

SG-1

# ATLAS OF ARTIFICIAL REEFS IN FLORIDA

## FIFTH EDITION

*Donald W. Pybas*

FLORIDA SEA GRANT COLLEGE PROGRAM  
SGEP-11

Florida Sea Grant College Program

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**Note:** Neither the author nor the Florida Sea Grant College Program can accept responsibility for the complete accuracy of the data contained herein, nor are the maps in this publication to be used for navigational purposes.

# **Atlas of Artificial Reefs in Florida — Fifth Edition**

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SG-1

January 1997



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## INTRODUCTION

The *Atlas of Artificial Reefs in Florida -- Fifth Edition*, provides the public with information to locate artificial reefs constructed for fisheries enhancement, and for the enjoyment of fishing and diving by residents and visitors to Florida's coastal waters.

This edition expands on the information that was included in earlier versions by adding thirty-five new permitted sites and 250 additional components deployed on these and many pre-existing sites. A variety of sources of information have been utilized to acquire the most accurate and complete information in order to present the most up-to-date artificial reef listing possible for Florida. With the magnitude of reef construction over the last 30 years there are potential opportunities for inaccurate information, especially with nearly 900 component entries on approximately 364 permitted sites.

**Latitude and Longitude** coordinates are listed in Degrees/Minutes/Hundredths of Minutes. These numbers were provided, for the most part, by local sources. In some cases conversions to 'hundredths of a minute' were converted from reported Degrees/Minutes/Seconds as nautical charts depict Latitude/Longitude or 'hundredths of a second' format provided by local GPS users. Some artificial reef programs have not converted locations from **Loran-C** to GPS(Lat./Long.) as of yet, thus Loran continues to be the most reliable in these areas. An added feature in this edition is the **Local Contact** agency or organization and telephone number which can be found on each map for all counties listed. This provides the user with a source of continued up-to-date and more detailed information, such as compass bearings or line of sight 'line-ups' for sites relatively close to shore.

Users of the enclosed information in the maps are reminded that **THIS ATLAS IS NOT INTENDED FOR NAVIGATIONAL PURPOSES**. The maps and location symbols are for general point of reference to a inlet or pass in a given locale. In addition, the LORAN-C and latitude/longitude coordinates are uncorrected for plotting on navigational charts.

Due to the varying approach of local artificial reef programs on reporting location by LORAN coordinates, there is no guarantee of the complete accuracy of the 'numbers' being on the deployed material. Often coordinates are reported for a corner, geographic center, buoy, and/or end of a permitted site. The majority of listings are for actual component location. If, when trying to locate an artificial reef, a user is 'on site' and a depth finder does not indicate material on the bottom, a circular search pattern should be initiated and increased in diameter away from the center until the material is located. Maintaining the proper indicated depth will assist the user to locate the material when searching the area.

Confirmation of the existence of privately permitted artificial reefs has not been completed in many cases. These records do not indicate detailed information beyond location. Users are therefore forewarned that materials may not be located at these sites or may have been destroyed and/or moved off site by storms or other activity.

The survey leading to the creation of an artificial reef database for Florida and this publication was conducted during early 1996 with telephone follow-up validation through August, 1996.

## REEF TIPS

Your visit to Florida's artificial reefs can be a pleasurable and rewarding experience if some simple practices are carried out. Please practice the Three 'C' of the High Seas:

1. **Common Sense** - Use common sense when operating a boat around others in and on the water.
2. **Courtesy** - Be courteous to other fishermen and divers using an artificial reef site.
3. **Communication** - Communicate with other boats on a reef site to see how long they plan to stay. If their visit will be a lengthy one, try another site until they leave.

By using these simple rules the reef user can avoid frustration and unnecessary problems.

An additional "C" is that of **Conservation** of fishery resources. Increasing fishing pressure, habitat loss and other environmental causes are forcing fishery management agencies to create regulations that close or restrict fisheries. Typically, these regulations impose limits on size and number of fish that can be caught and place restrictions on the type of gear that can be used to catch the fish. If reef users take only what they can use and release other fish properly, they can help ensure that fish will be available for future fishing and diving experiences. (Information on catch and release techniques can be obtained from your local Sea Grant Extension agent located at the county Cooperative Extension Service office.)

Another important issue is that of marine debris, especially plastics. Federal law prohibits the disposal of plastics of any kind, especially monofilament fishing line, into the marine environment. Please bring marine debris back to port. Federal regulations also require that all vessels over 26 feet in length must have a marine debris placard affixed onboard with the regulations spelled out. Vessels over 40 feet in length must also have a waste management plan onboard at all times. Contact the Sea Grant Extension Program for a free placard and examples of a waste management plan. **Don't Splash Your Trash!**



## GLOSSARY OF TERMS

The following explains the terms that are used as column headings in this Atlas. Each line in the table accompanying a Map indicates a separate component in a permitted artificial reef site.

### Column Descriptions:

**MAP ID:** Numerical designation of each site by MAP area. May be numerous listings of the same ID number as there are many sites with a large number of components on them. The MAP ID number coincides with the MAP number only as the numerical listing starts over with each MAP number.

**YEAR BUILT:** The year that the artificial reef was reported constructed. If the year of construction is unknown the term "UNKN" is listed.

**NAME:** Denotes the name of a component or site name of a permitted site. An asterisk (\*) indicates that this component is a known wreck that may or may not be within a permitted site.

**LATITUDE/LONGITUDE:** Position information for the site of a permitted artificial reef. If followed by a "C" indicates coordinate is for the geographic center of the permitted site taken from permit application information and/or other sources. Otherwise, the coordinate is for the actual location of the component.

**LORAN-C:** Position of component in the permitted site or wreck site. Artificial reef sites in a bay or other inland water body does not allow reliable Loran TDs (Time Differences) and are indicated by stating "In The Bay", etc. If the TDs are not available or unknown they are list as "UNKN".

**COUNTY:** The county of record where the permitted site is located offshore or, in some cases, where the applicant resides.

**DEPTH:** Reported depth in feet where the component material is placed.

**RELIEF:** Reported maximum vertical profile in feet of the component material off the bottom.

**DISTANCE N. MILES:** Reported or estimated distance in nautical miles from the nearest main land mass or inlet.

**COMPOSITION AND SIZE:** Reported type of material the component is made up of (i.e., Steel, Concrete, Vessel), and length or estimated amount in cubic yards or tons. If a vessel, may list name and type.



## INTERESTING FACTS ABOUT ARTIFICIAL REEFS IN FLORIDA

Florida is the leading state in the number of active permitted artificial reefs, with 373 having been constructed. However, 364 are listed as confirmed or otherwise documented. This number is down from the 392 artificial reefs listed in the last edition.

The first reef permit on file is dated November 1918. The heaviest reef construction occurred from 1987 until early 1991 when 120 permits were issued. Although permits have been issued for very few new sites in the last five years, large amounts of material continue to be deployed on existing or re-permitted sites throughout the state. Over the years, some 409 artificial reefs have been permitted. Many early reefs have been destroyed or scattered by storms, corroded away, submerged into soft bottom areas, or may not have been constructed for various reasons, thus the discrepancy between permitted and active artificial reefs. An example of this is with hurricane activity in areas of the state with lightweight materials deployed, or severe storm destruction or movement of materials such as ships and barges. Other older reefs have been removed from the atlas because their existence can no longer be confirmed. On the basis of records in this publication, the trend in construction of components on artificial reefs has been:

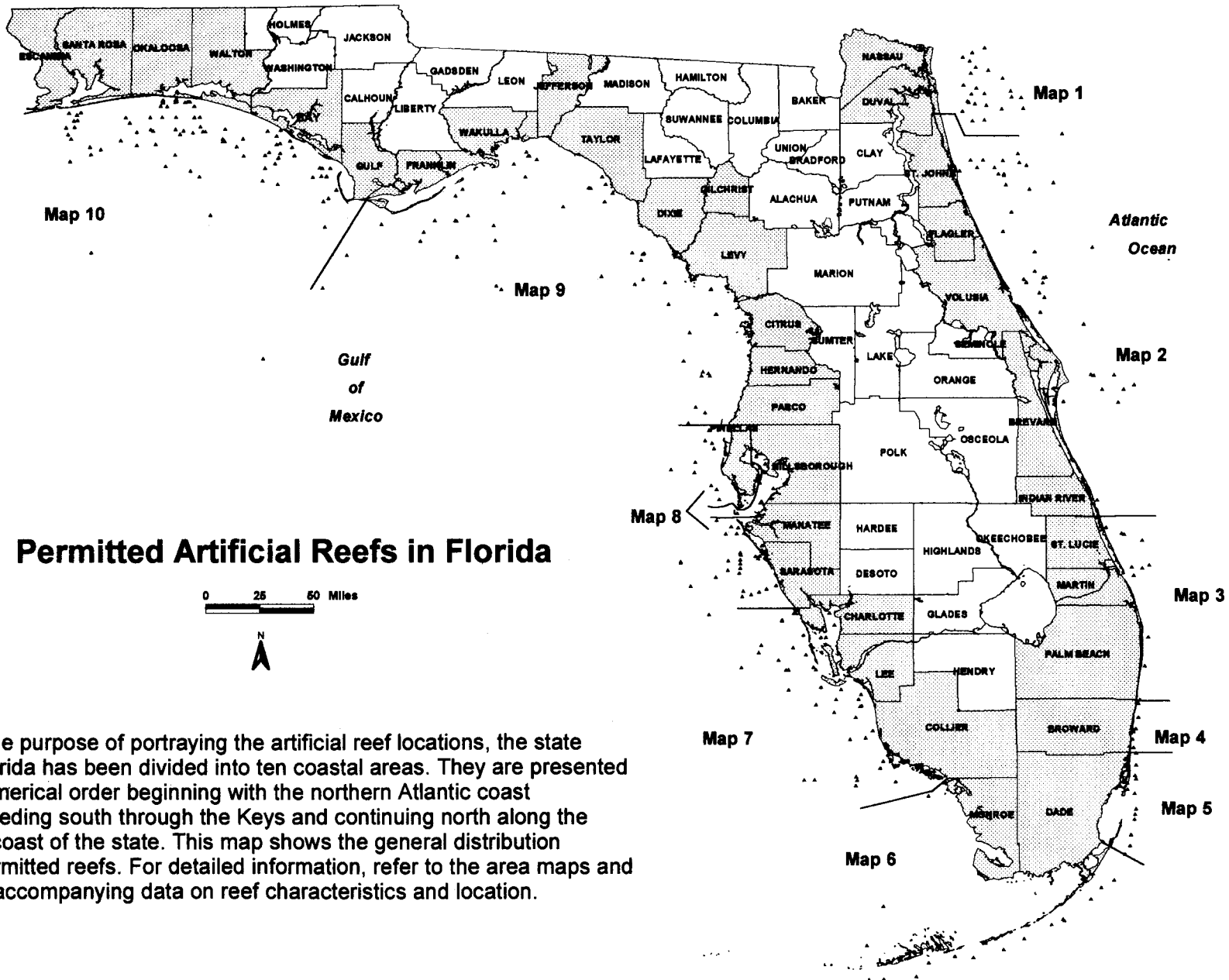
prior to 1950	8	1960-1970	17	1980-1990	125
1950-1960	4	1970-1980	60	1990-1996	78
				unknown	53

A marked change has occurred in the type of reef materials used. In earlier days, the availability and easy transport of surplus auto tires led to heavy use of these as convenient and inexpensive reef building materials. Surplus small craft and household plumbing, cooking and refrigerating appliances were also popular materials. However, corrosion, siltation, and storm-related turbulence often caused these reefs to deteriorate completely or to be dispersed to the point of ineffectiveness.

A recent trend has been to use more stable materials such as cast concrete, bridge rubble, culvert materials, large storage tanks, porcelain fixtures, decommissioned vessels, barges, and similar corrosion-resistant materials. Recent changes in allowable types of reef materials by state and federal permitting agencies have stressed the use of more environmentally stable types of material. Items such as, fuel storage tanks, dumpsters, tires (unless embedded in concrete), and automobile bodies (unless compressed and components containing oils removed), among other materials, are not allowed for artificial reef construction.

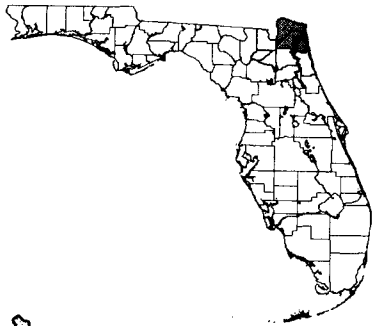
Several of the larger reefs have been constructed from Liberty ships, or similar large transport vessels. Several petroleum industry related platforms have been deployed in the Panhandle and Southeast Florida areas. Local reef building organizations are hopeful these contributions to Florida's fishing environment will lead to the deployment of more petroleum-production materials in the future.

In recent years, experimental and designed artificial reef modules have become more popular and have been built throughout Florida to evaluate the stability of certain materials in seawater and to assist in determining how artificial reefs function through colonization by marine organisms. As large materials, such as ships, become more scarce, other concerns about possible contaminants increase and designed modules will probably see increased use in Florida's waters.

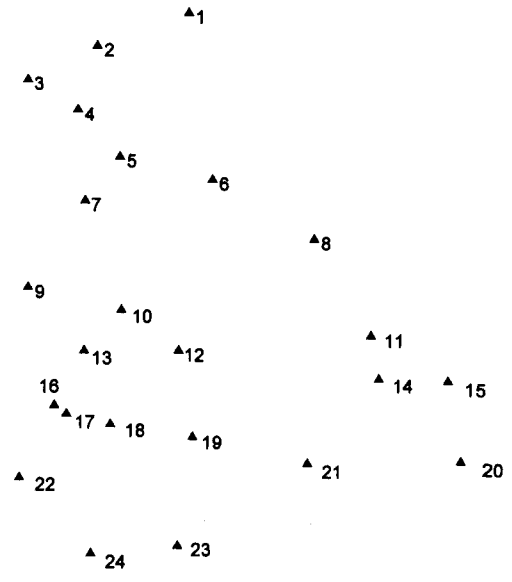
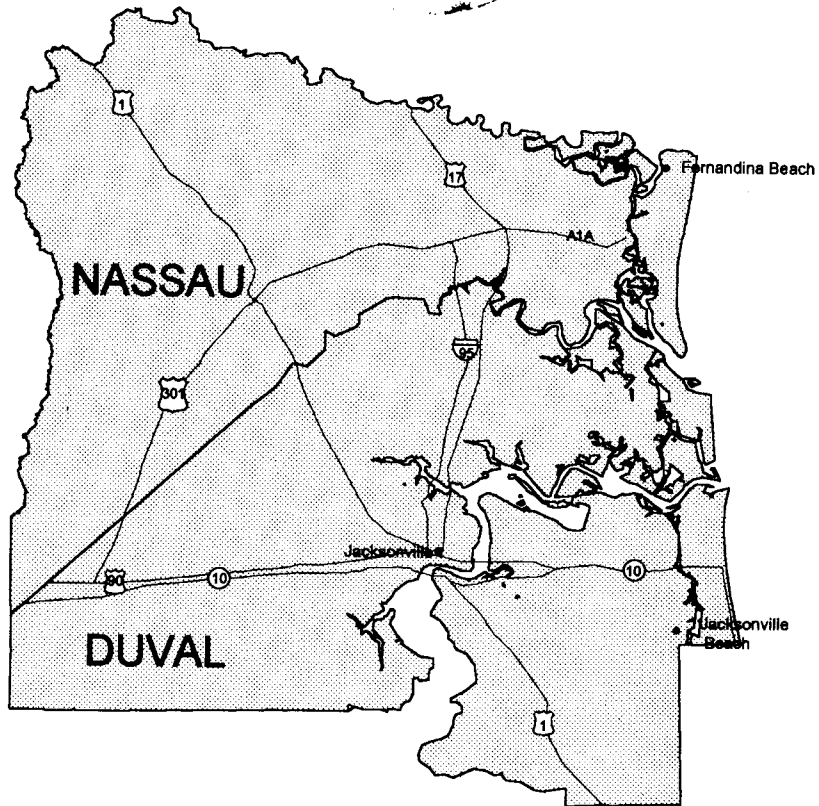


## Permitted Artificial Reefs in Florida

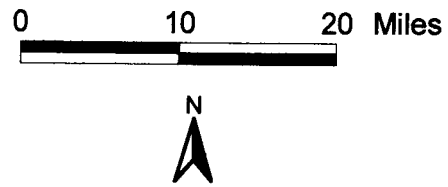
For the purpose of portraying the artificial reef locations, the state of Florida has been divided into ten coastal areas. They are presented in numerical order beginning with the northern Atlantic coast proceeding south through the Keys and continuing north along the Gulf coast of the state. This map shows the general distribution of permitted reefs. For detailed information, refer to the area maps and their accompanying data on reef characteristics and location.



# Map 1: Nassau and Duval Counties



Contact Persons	
Allen Mills	(904) 277-7320
Nassau County	
Daphne Schmidt	(904) 277-7326
Nassau County	
Tim Armstrong	(904) 399-2356
Duval County	



Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>NASSAU</b>										
1	1996	B.A. Reef	30/42.00 C	81/04.57 C	45282.8	61823.9	69	3-6		1000 Tons Concrete Culverts, Concrete Rubble
2	1973	Sahlmans Gulley - Barge	30/40.116 C	81/09.56 C	45308.1	61874.1	60		12.00	Barge
2	1993	Sahlmans Gulley - Culverts	30/40.116 C	81/09.56 C	45311.5	61888.2	60			450 Tons Concrete Culverts, Manholes and Junction Boxes
3	1973	Whittakers Snapper Hole Barge	30/38.216 C	81/13.36 C	45314.4	61907.1	65		12.90	Barge, Rubble, Misc Steel
3	1987	Whittaker's Snapper Hole - Tug	30/38.216 C	81/13.36 C	45326.8	61915.2	60		13.00	Steel Tug
4	1988	Fernandina Snapper Banks - '88 Culverts	30/36.58 C	81/10.58 C	45289.6	61906.5	70		12.00	1000 Tons Concrete Culverts
4	1990	Fernandina Snapper Banks - '90 Culverts	30/36.58 C	81/10.58 C	45293.0	61908.4	60		12	Concrete Culverts
4	1975	Fernandina Snapper Banks	30/36.58 C	81/10.58 C	45292.2	61898.9	70		12.00	Wood Boat 'BARBETT'
4	1991	Fernandina Snapper Banks - '91 Culverts	30/36.58 C	81/10.58 C	45305.0	61895.0	83		12	1000 Tons Concrete Culverts
4	1989	Fernandina Snapper Banks - '89 Culverts	30/36.58 C	81/10.58 C	45301.1	61900.3	65		12.00	Concrete Culverts
<b>DUVAL</b>										
5	1992	Haddock's Hideaway - Culverts	30/34.03 C	81/08.26 C	45259.3	61887.8	75		16	Concrete Culverts and Pillboxes
5	1994	Haddock's Hideaway	30/34.03 C	81/08.26 C	45252.5	61840.5	67		16.80	190' Barge, Rubble
5	1992	Haddock's Hideaway - Shark Barge	30/34.03 C	81/08.26 C	45264.8	61886.2	70		16	175' Barge, Concrete Rubble
6	1995	Amberjack Hole - Tug Monachan	30/32.816 C	81/03.16 C	45192.6	61879.5	80		17	Tugboat 'MONACHAN', Buckman guardrails
6	1995	Amberjack Hole - Pillboxes	30/32.816 C	81/03.16 C	45197.7	61890.0	80		17	Concrete Pillboxes
6	1986	Amberjack Hole - Culverts	30/32.816 C	81/03.16 C	45215.1	61844.5	80		18.80	Culverts
6	1978	Amberjack Hole - Barge	30/32.816 C	81/03.16 C	45210.2	61852.6	80		18.50	Barge
7	UNKN	Rabbit's Lair - Wood Wreck	30/31.58 C	81/10.15 C	45247.6	61916.2	68		13.10	Wood Wreck
7	UNKN	Rabbit's Lair - Barge	30/31.58 C	81/10.15 C	45247.8	61906.9	68		13.10	Steel Barge
8	1986	Tanzler's Waters - ANNA	30/29.616 C	80/57.50 C	45128.8	61808.8	110	30	22.40	225' Freighter, 'ANNA'
8	1972	Tanzler's Waters - Tug	30/29.616 C	80/57.50 C	45151.5	61815.1	86		22.20	150' Tug
8	1984	Tanzler's Waters - Barge	30/29.616 C	80/57.50 C	45151.4	61800.0	90		22.20	200' Barge
9		Montgomery Reef - Tug	30/26.78 C	81/13.20 C	45234.6	61958.7	65		8.40	Steel Tug
9	1975	Montgomery Reef - Bill's Barge	30/26.78 C	81/13.20 C	45248.8	61962.8	61		8.50	Barge
9	1985	Montgomery Reef - E. Barge	30/26.78 C	81/13.20 C	45234.5	61958.0	65		8.40	East Barge
9	UNKN	Montgomery Reef - Barge	30/26.78 C	81/13.20 C	45237.0	61958.0	65		8.40	120' Steel Barge
9	1985	Montgomery Reef - Reliance	30/26.78 C	81/13.20 C	45232.7	61958.9	68		8.50	63' Tug 'RELIANCE'
9	UNKN	Montgomery Reef - Old Tug	30/26.78 C	81/13.20 C	45231.1	61959.7	66		8.50	Tug
9	1977	Montgomery Reef - Culverts	30/26.78 C	81/13.20 C	45236.9	61961.9	65	3-5	8.00	Culverts, Tanks +37.4/61.7
9	UNKN	Montgomery Reef - North Wreck	30/26.78 C	81/13.20 C	45249.5	61948.6	63		9.60	North Wreck (barge)
9	UNKN	Montgomery Reef - Maxie's Barge	30/26.78 C	81/13.20 C	45218.9	61956.4	62			Steel Barge
9	1959	Montgomery Reef - Upside-Down Barge	30/26.78 C	81/13.20 C	45229.0	61962.2	65		8.40	Gavin's Upside Down Barge
10	UNKN	Busey's Bonanza - Wood Wreck	30/25.59 C	81/08.10 C	45194.6	61917.7	54		12.50	Wood Wreck
10	1986	Busey's Bonanza - Sanctuary Reef	30/25.59 C	81/08.10 C	45195.2	61920.6	52		12.50	Culverts

Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>DUVAL</b>										
10	UNKN	Busey's Bonanza - Old Gibbs Drydock	30/25.59 C	81/08.10 C	45195.5	61919.6	54		12.50	Drydock, Rubble
10	1988	Busey's Bonanza - Culverts	30/25.59 C	81/08.10 C	45194.4	61920.5	54		12.50	Culverts
10	UNKN	Busey's Bonanza - Carpet Barge	30/25.59 C	81/08.10 C	45210.8	61937.0	48		10.00	2 Wrecks, Reported Sand Covered
10	1988	Busey's Bonanza - Culverts	30/25.59 C	81/08.10 C	45195.3	61915.9	52		12.50	Standard Precast Culverts
10	1992	Busey's Bonanza - Acosta Bridge Rubble	30/25.59 C	81/08.10 C	45194.9	61922.1	65		11.00	Concrete Bridge Rubble
10	1992	Busey's Bonanza - Margaret's Reef	30/25.59 C	81/08.10 C	45195.4	61923.3	65		11.00	Acosta Bridge Rubble
10	1992	Busey's Bonanza - Robert's Reef	30/25.59 C	81/08.10 C	45195.5	61924.2	65		11.00	Acosta Bridge Rubble
10	1995	Busey's Bonanza - Pilings	30/25.59 C	81/08.10 C	45193.0	61925.0	65		11.00	Concrete Pilings
10	1994	Busey's Bonanza - Bus Stop Barge	30/25.59 C	81/08.10 C	45200.6	61925.7	65		11.00	Barge
10	1994	Busey's Bonanza - Morantz Barge	30/25.59 C	81/08.10 C	45198.3	61925.0	65		11.00	Morantz Barge
11	1991	N. Harm's Ledge - Culverts	30/24.38 C	80/54.34 C	45097.6	61809.9	90		24.00	Concrete Culverts
11	1992	N. Harm's Ledge - Tug Powerful	30/24.38 C	80/54.34 C	45093.1	61804.7	90		24.00	Tug 'POWERFUL'
12	1995	East 14 & 15 - Buckman Rubble	30/23.40 C	81/04.91 C	45155.2	61902.3	68		16.40	Buckman Rubble thru 55.2/01.2
12	1995	East 14 & 15 - Raccoon Reef	30/23.40 C	81/04.91 C	45151.9	61901.5	68		16.40	Buckman Pilings
12	1983	East 14 & 15 - Culverts/Tanks	30/23.40 C	81/04.91 C	45143.9	61876.3	71		17.40	Moody Culverts, Tanks
12	1983	East 14 & 15 - Culverts	30/23.40 C	81/04.91 C	45149.4	61886.9	68		16.40	Culverts E. of Pressbox
12	1983	East 14 & 15 - Pressboxes	30/23.40 C	81/04.91 C	45149.3	61888.6	68		16.40	Gator Bowl Pressbox, 2 Sections
12	1983	East 14 & 15 - Press Boxes	30/23.40 C	81/04.91 C	45149.9	61887.5	68		16.40	Gator Bowl Pressbox, 4 Sections
13	1980	Nine Mile Reef - '80 Barge	30/23.32 C	81/10.11 C	45191.7	61947.9	58		10.50	Barge
13	1983	Nine Mile Reef - Culverts & Pillboxes	30/23.32 C	81/10.11 C	45192.2	61949.9	72		10.40	Culverts & Pillboxes
13	1980	Nine Mile Reef - Tug	30/23.32 C	81/10.11 C	45192.1	61946.6	70		10.40	Tug
13	UNKN	Nine Mile Reef - Tar Barge	30/23.32 C	81/10.11 C	45192.0	61944.8	58		10.50	Tar Barge
13	1984	Nine Mile Reef - Steel Tanks	30/23.32 C	81/10.11 C	45194.3	61946.8	63		10.20	Tanks, Deteriorated
13	UNKN	Nine Mile Reef - Barge	30/23.32 C	81/10.11 C	45198.6	61945.2	58		10.50	Barge
13	UNKN	Nine Mile Reef - NM Barge	30/23.32 C	81/10.11 C	45192.9	61948.6	68		10.40	Nine Mile Barge
13	1984	Nine Mile Reef -Tugboat	30/23.32 C	81/10.11 C	45193.2	61944.5	63		10.40	52' Tug
13	1985	Nine Mile Reef - Vic's Barge	30/23.32 C	81/10.11 C	45191.5	61947.6	58		10.50	Vic's 150' Barge
13	1988	Nine Mile Reef - Fishing Boat	30/23.32 C	81/10.11 C	45194.6	61937.2			11.00	Fishing Boat
14	UNKN	Harm's Ledge - Little Wreck	30/22/20 C	80/53.86 C	45073.9	61847.9	90		22.70	Barge
14	1986	Harm's Ledge - Huggins	30/22/20 C	80/53.86 C	45077.3	61814.0	90		24.50	150' Freighter 'HUGGINS'
14	1990	EEF - Culverts	30/22.59 C	80/57.34 C	45100.4	61840.6	95			2000 Tons of Concrete Culverts
15	UNKN	Blackmar's Reef - N. Barge	30/21.916 C	80/50.083 C	45050.1	61785.2	105		27.80	North Barge
15	UNKN	Blackmar's Reef - Tug #1	30/21.916 C	80/50.083 C	45050.7	61786.7	105		27.80	Ocean Going Tug #1
15	UNKN	Blackmar's Reef - Airplane Wreck*	30/21.916 C	80/50.083 C	45040.1	61779.2	106		27.60	Airplane Wreck
15	UNKN	Blackmar's Reef - Ferry	30/21.916 C	80/50.083 C	45047.5	61783.7	106		28.20	Ferry 'WARWICK'
15	UNKN	Blackmar's Reef - Barge #1	30/21.916 C	80/50.083 C	45050.1	61785.8	104		27.60	Steel Barge
15	UNKN	Blackmar's Reef - Tug #2	30/21.916 C	80/50.083 C	45050.1	61786.8	104		27.50	Tug Boat
16	1982	Pablo Grounds - '82 Culverts	30/20.30 C	81/11.68 C	45177.2	61970.2	67		10.00	Culverts

16	UNKN	Pablo Grounds - Moody Culverts/Barge	30/20.30 C	81/11.68 C	45189.9	61976.6	65	9.00	Moody Tanks & Culverts
16	1982	Pablo Grounds - Pillboxes/Culverts	30/20.30 C	81/11.68 C	45179.2	61970.0	73	10.00	Pillboxes & Culverts
16	1982	Pablo Grounds - Mattox Culverts	30/20.30 C	81/11.68 C	45176.2	61970.3	67	10.10	Mattox Culverts
16	1985	Pablo Grounds - '85 Barge	30/20.30 C	81/11.68 C	45179.2	61969.5	73	9.90	90' Barge
17	1967	Paul Mains Reef - N. Tug	30/19.86 C	81/11.016 C	45174.7	61964.7	72	10.60	North Tug
17	UNKN	Paul Mains Reef - Navy Barge	30/19.86 C	81/11.016 C	45170.6	61965.8	72	10.60	Navy Barge
17	UNKN	Paul Mains Reef - Linden's Mystery Car Bodies	30/19.86 C	81/11.016 C	45171.4	61966.0	72	10.60	Linden's Mystery Car Bodies
17	UNKN	Paul Mains Reef - Tug South	30/19.86 C	81/11.016 C	45170.0	61964.9	72	10.60	Tug Number One South
17	UNKN	Paul Mains Reef - Banana/Pogey Boats	30/19.86 C	81/11.016 C	45174.0	61964.9	72	10.60	Banana & Pogey Boats
18	1981	Middle Ground - Japanese FRP Reef	30/19.33 C	81/08.616 C	45141.4	61946.1	85	13.60	2 Japanese FRP Reef Modules
18	1960	Middle Ground -Tug	30/19.33 C	81/08.616 C	45130.7	61937.2	75	14.70	Steel Tug, Pilothouse Alongside
18	1981	Middle Ground - Culverts	30/19.33 C	81/08.616 C	45140.4	61946.1	85	13.60	Concrete Culverts
19	1979	Clayton's Holler - South Tug	30/18.68 C	81/04.116 C	45116.5	61914.7	82	16.70	South Tug
19	1980	Clayton's Holler - N. Tug	30/18.68 C	81/04.116 C	45117.0	61914.3	80	16.70	North Tug
20	1972	Casablanca	30/17.51 C	80/49.32 C	45012.7	61795.2	105	28.30	365' LST, 'CASABLANCA'
21	1988	Coppedge Tug	30/17.30 C	80/57.76 C	45065.7	61866.0	80	25	22.00 98' Tug 'W.T. COPPEDGE, JR.'
21	1989	Coppedge Reef	30/17.30 C	80/57.76 C	45065.3	61865.4	75	21.50	2000 Tons Concrete Culverts
22	1942	Jacksonville Beach Wreck*	30/16.316 C	81/13.56 C	45166.0	62001.0	60	10.50	Wreck, 'GULF AMERICA'
22	1991	MTC-120 Barge	30/16.316 C	81/13.56 C	45165.9	62000.7	60	7.5	10.50 138' Moran Barge
22	1988	Jacksonville Beach Wreck - Culverts	30/16.316 C	81/13.56 C	45169.0	62001.5	60	10.50	Culverts
23	1986	EPV - Culverts	30/12.68 C	81/04.86 C	45077.7	61941.1	85	16.10	Culverts
23	1987	EPV - Barge	30/12.68 C	81/04.86 C	45079.5	61941.3	75	16.10	Barge
24	1977	Ponte Vedra Grounds - Navy Scaffolding	30/12.18 C	81/09.60 C	45108.0	61982.4	75	14.30	Navy Scaffolding
24	1977	Ponte Vedra Grounds (Site PV-103)	30/12.18 C	81/09.60 C	45107.0	61982.0	75	14.30	Steel plates

# Map 2: St. Johns through Indian River Counties

**Contact Persons**

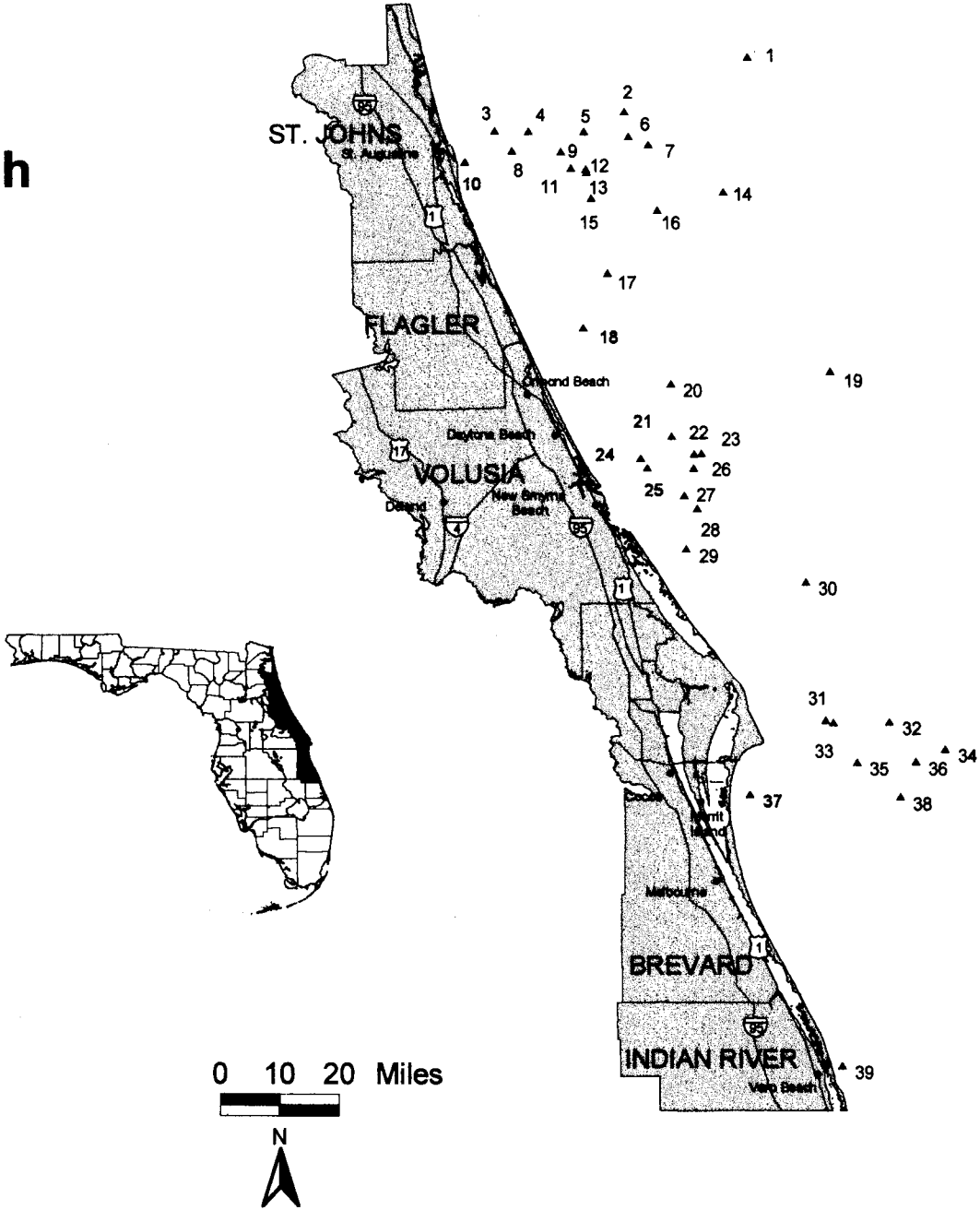
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Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>ST. JOHNS</b>										
1	1989	Navy Drydock	30/07.06 C	80/33.57 C	44839.4	61710.9	125	57	42.00	615' Navy Drydock
2	1995	Moody Culverts	29/59.12 C	80/51.51 C	44888.3	61881.8	102	8	23.00	1000 Tons Precast Concrete, to 886./82.0
3	1974	Four Mile Reef	29/56.43 C	81/10.45 C	44986.0	62091.2	60			Inshore Wreck
3	UNKN	Four Mile Reef	29/56.43 C	81/10.45 C	44997.5	62045.6	60			Natural Bottom and Dumpsters
4	1976	Pop Warner Reef	29/56.39 C	81/05.51 C	44960.0	62008.3	65		7.60	Tires, Fiberglass Boat
4	1990	Pop Warner Reef	29/56.39 C	81/05.51 C	44961.0	62005.1	66	8	12.00	2000 Tons Concrete Culverts, Other Precast Concrete
5	UNKN	Dorothy Louise - Tug	29/56.30 C	80/57.40 C	44902.9	61938.0	70		19.50	Tug Boat 'DOROTHY LOUISE'
5	1988	Dorothy Louise - Barge	29/56.30 C	80/57.40 C	44904.8	61939.0	70		19.50	175' Barge
6	1994	Taylor Reef - Culverts	29/55.49 C	80/50.89 C	44856.1	61889.8	100	6	21.00	2500 Tons Precast Concrete
7	1995	Intruder Reef 2	29/54.28 C	80/48.09 C	44829.0	61872.1	92	8	24.00	17 A6 Intruder Aircraft
8	1983	Nine Mile North Reef - Culverts	29/53.50 C	81/07.90 C	44957.5	62022.3	56		8.90	Concrete Culverts
8	1982	Nine Mile North Reef - Dumpsters	29/53.50 C	81/07.90 C	44952.2	62026.2	56		8.90	Dumpsters, Scattered Steel
8	1982	Nine Mile North Reef - Dumpsters	29/53.50 C	81/07.90 C	44952.6	62025.0	56		8.90	Dumpsters
8	1983	Nine Mile North Reef Culverts	29/53.50 C	81/07.90 C	44959.4	62025.3	56		8.90	Concrete Culverts
8	1973	Nine Mile - Leon Roddy Tug	29/53.50 C	81/07.90 C	44964.6	62038.3	63		7.00	Wreck, Small Tug 'LEON RODDY'
8	1989	Nine Mile South Reef -2500 Tons Concrete Culvert/Precast Material	29/53.50 C	81/07.90 C	44942.7	62035.8	70	6	8.00	2500 Tons Concrete Culverts, Precast Material
9	1992	Desco Boat -'92 Culvert	29/53.36 C	81/00.81 C	44942.7	62035.8	78	8	14.00	2000 Tons Concrete Culverts, Other Precast Concrete
9	UNKN	Desco Boat - Barge	29/53.36 C	81/00.81 C	44889.6	61956.3	65		15.00	60' Barge
9	UNKN	Desco Boat	29/53.36 C	81/00.81 C	44903.1	61975.5	70		12.80	Desco Shrimp Boat (debris)
9	1987	Desco Boat - '87 Culverts & Barge	29/53.36 C	81/00.81 C	44903.2	61976.9	85	6	12.80	2000 Tons Concrete Culverts, Barge to North
10	UNKN	Fishing Pier Barge	29/51.97 C	81/14.76 C	44986.0	62091.2			.4	Barge
11	1974	Inner Plane Wreck	29/50.87 C	80/59.30 C	44873.6	61971.9	70		15.10	Pieces of plane
11	1988	Inner Plane Wreck	29/50.87 C	80/59.30 C	44873.4	61969.8	84	8	15.10	2000 Tons Concrete Culverts, 35' LST Boat
12	UNKN	McCormick Reef - Vernica Express	29/50.76 C	80/57.12 C	44858.8	61954.9				65' Steel Yacht 'VERONICA EXPRESS'
13	UNKN	Outer Plane Wreck	29/50.28 C	80/57.05 C	44858.3	61963.4	72		16.40	WW II Corsair Wreck
13	1996	Outer Plane - Culverts	29/50.28 C	80/57.05 C	44856.1	61958.0	82	6	18.00	2500 Tons Precast Concrete
14	UNKN	Bear Wreck*	29/47.317 C	80/37.167 C	44708.5	61814.5				OSG Bear Wreck
15	1993	South Pinnacle - Culvert	29/46.48 C	80/56.32 C	44818.2	61962.5	70	6	19.30	2500 Tons Concrete Culverts
15	UNKN	South Pinnacle - Shipwreck	29/46.48 C	80/56.32 C	44821.4	61962.4	70		19.90	WW II Freighter Shipwreck
15	UNKN	South Pinnacle - Middle Box	29/46.48 C	80/56.32 C	44820.4	61962.6	70		19.30	Middle Box Scattered Wreckage
16	UNKN	Gordon's Wreck*	29/44.67 C	80/46.76 C	44744.0	61895.2				Gordon's Wreck-Sailboat

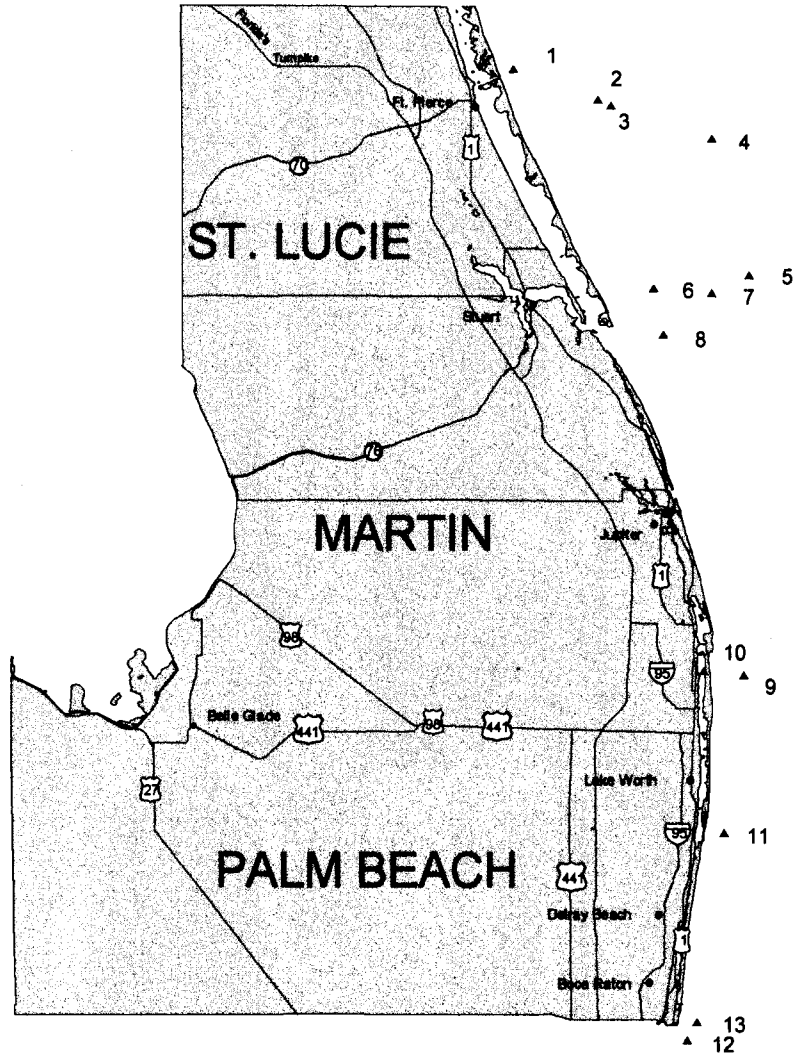
Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>FLAGLER</b>										
17	1995	Big George's Reef	29/35.51 C	80/54.02 C	44717.42	61977.78	60		10 13.00	1200 Tons Concrete Culverts, Junction Boxes
18	1996	Hunters Reef	29/27.594	80/57.539	44673.1	62030.7	74		4	126 "Reef Balls"
<b>VOLUSIA</b>										
19	1996	Port Authority Reef Site 9	29/21.18 C	80/21.64 C	44400.0	61785.0	120		33.00	26 Intruders Airplanes
20	1994	Port Authority Reef Site 4 -165' Ship	29/19.38	80/44.90	44521.6	61960.2			16.7	165' Ship 'MAXINE D'
20	1989	Port Authority Reef Site 4 Houseboat	29/19.27 C	80/44.71 C	44519.4	61959.1	85	20	16.73	150 Concrete Culverts, 40' Derelict Houseboat
20	1992	Port Authority Reef Site 4 Barge	29/19.15	80/44.52	44517.9	61958.5	80		16.7	31' Barge, Concrete Culverts
21	1980	Port Authority Reef Site 3 - 440' Liberty Ship	29/12.00	80/44.88	44458.2	61982.1	80	30	10.5	440' Liberty Ship 'MINDANAO'
21	1995	Port Authority Reef Site 3 - 81' Tug	29/11.73	80/44.93	44455.8	61982.5			10.5	81' Tug 'THOMAS H'
21	1995	Port Authority Reef Site 3 - 217' Ship	29/11.71	80/44.78	44455.2	61982.1			10.5	217' Ship 'RIO YUNA'
21	1995	Port Authority Reef Site 3 - 100' Tug	29/11.62	80/44.80	44454.2	61982.0			10.5	100' Tug 'ALEXANDRA McALLISTER'
21	1992	Port Authority Reef Site 3 - Culverts	29/11.58 C	80/44.81 C	44453.8	61982.3	70		10.5	Concrete Culverts
21	1995	Port Authority Reef Site 3 - 100' Barge	29/11.58 C	80/44.81 C	44453.0	61983.5			10.5	100' Barge 'ATLAS'
22	1989	Port Authority Reef Site 2	29/10.12	80/41.64	44422.1	61963.8	75		12.4	Car Transport Trailers
22	1985	Port Authority Reef Site 2	29/09.36	80/41.40	44413.5	61963.8	75		12.4	100' Steel Barge, Dumpsters
22	1993	Port Authority Reef Site 2	29/09.34 C	80/40.36 C	44406.6	61956.6	75		12.4	Concrete Culverts
22	1994	Port Authority Reef Site 2	29/09.22	80/40.49	44407.3	61959.4			12.4	76' Steel Ship 'SEMARCA'
23	1991	Port Authority Reef Site 7 Culverts	29/09.15 C	80/41.46 C	44341.6	61987.1	70	16	11.40	Concrete Culverts
24	1971	County Reef	29/09.03 C	80/53.20 C	44486.4	62055.8	60		4.40	Concrete Rubble
24	1972	Nine Mile Reef	29/08.58 C	80/49.20 C	44463.6	62023.1	70	15	6.00	Barge, Concrete Beams
25	1970	Wharton Tire Reef	29/08.53 C	80/49.26 C	44460.0	62045.0	70		7.40	Concrete Beams, Culverts, Rubble, Tires
25	1990	Port Authority Reef Site 5 - Culverts	29/07.18	80/48.32	44437.8	62020.0	60	15	5.32	Concrete Rubble, Bridge Spans, Steel
26	1990	Port Authority Reef Site 1 - Culverts	29/07.15	80/41.50	44397.0	61973.7	80	18	10.73	Concrete Culverts
26	1994	Port Authority Reef Site 1 - Barge Argoil	29/07.07 C	80/41.59 C	44394.7	61972.1	70		10.91	195' Barge 'ARGOIL 105'
27	1990/91	Port Authority Reef Site 6	29/03.06 C	80/42.99 C	44370.2	61995.6	75	12	9.30	4500 Tons Concrete Culverts, Poles
28	1994	Port Authority Reef Site 7 - Barge	29/01.19	80/41.10	44339.8	61984.1			11.40	Barge
29	1989/90	Port Authority Reef Site 8	28/55.27 C	80/42.67 C	44296.5	62011.0	65	8	11.5	1000 Concrete Culverts
30	1986	Barge Wreck*	28/50.47	80/25.27	44156.7	61907.4	73		29.00	350' Barge/crane, 150 yds West of buoy/ Unconfirmed
<b>BREVARD</b>										
31	1995	Concrete Sailboat	28/30.30 C	80/22.40 C	43954.5	61938.5	85			Concrete Sailboat, 1.25 Miles NW of Unnamed 1970 Site
32	1995	CFOA Reef (CPA Site 2)	28/30.11	80/13.11	43895.0	61877.7	126	18	22	35' Steel Hull Sailboat
33	1970	Unnamed 1970 Site	28/30.00 C	80/21.30 C	14486.0	43940.0	80		10.00	Concrete Rubble, Tires
34	UNKN	Lois Dubois Reef	28/26.08	80/05.00	43835.9	61842.0	±170		17.00	Concrete Rubble, Small Barges, Unconfirmed
35	1988	Hummingbird Reef	28/25.10	80/14.08	43866.2	61898.8	110		18.00	Concrete & Steel Rubble, Launch Pad Materials
35	1987	Damocles	28/24.427	80/16.713	43866.0	61920.0	60		17.00	148' Vessel 'DAMOCLES', Culverts, Dumpsters, Scrap Metal

35	1988	Tiger Red	28/24.22 C	80/17.83 C	43842.0	61926.0	85		12.00	Cut Up Tug Boat 'TIGER RED'
35	1988	Brevard Co. Concrete Pile	28/24.22 C	80/17.83 C	43858.5	61930.5	85		12.00	Clean Concrete Block
35	1995	Reef Balls	28/23.833	80/17.833	43865.1	61926.7	60	7		140 Reef Balls
36	1995	CPA Site - Storage Tanks	28/24.250	80/09.250	43812.5	61887.5	70			30' Diameter Storage Tank, 4 Other Tanks
37	1964	Unnamed	28/19.58 C	80/33.42 C	14460.9	43912.7	43	3	2.30	Concrete Blocks
38	1994	CPA Site - Titan Barge	28/19.159	80/11.502	43799.0	61900.2	125	20	21	4 55' Steel Tanks Attached to 100' Barge

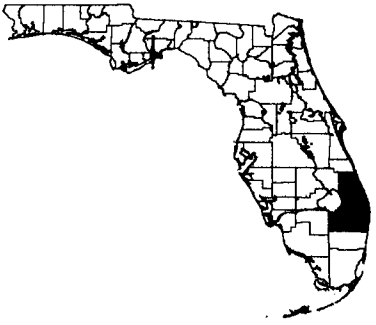
**INDIAN RIVER**

39	1987	FP&L/FIT Experimental Reef	27/40.00 C	80/20.00 C	43462.0	62038.0	38		1.20	Oil Ash/Concrete Blocks
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# Map 3: St. Lucie, Martin and Palm Beach Counties



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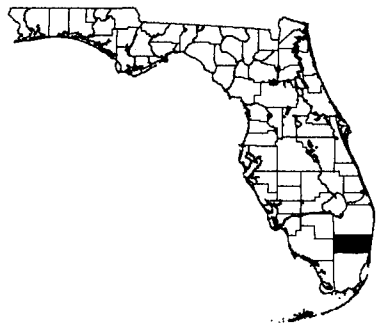


Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>ST. LUCIE</b>										
1	1982	Ft. Pierce Fish Haven	27/30.60	80/16.97	43340.0	62037.5	34	5	1.00	Concrete Culverts, Bridge Rubble, Tires In Concrete, Scrap Metal
1	1985	Ft. Pierce Art. Reef - 110' Tug	27/29.033	80/16.240	14390.0	62039.0	55	20		155' Tug, Tanks, Culverts, 15 Mixers
1	1988	Hutchinson Island Reef	27/28.859	80/16.461	14389.5	62040.6	33			Steel Tanks and Fiberglass Boat Hulls
2	1988	Fishing Club Reef	27/26.80 C	80/10.40 C	43262.0	62005.0	55		6.50	Concrete Rubble
2	1995	Two Bridges Reef	27/26.65 C	80/10.30 C	14392.7	62009.2	51	12	6.25	81' x 31' x 12' Steel Barge
2	1995	Two Bridges Reef	27/26.65	80/10.24			51	8	6.25	100' Steel Barge
2	1994	Two Bridges Reef	27/26.62	80/10.31	43340.0	62038.2	53		6.25	Prima Vista & Merril Barber Bridges Rubble
3	1991	50' Inshore Reef	27/26.200	80/09.364	43259.3	62005.1	53	7	6.50	50' Ferro Cement Hulled Sailboat
3	1991	50' Inshore Reef	27/26.185	80/09.376	43259.2	62005.2	53	7	6.50	110' x 28' x 7' Steel Barge, Concrete Culverts
4	1987	Stan's Reef #1	27/23.80 C	80/02.00 C	43204.5	61954.2	190		13.00	150' Oceangoing tug, FADs
4	1992	Tug Boat "Ken M"	27/23.80 C	80/02.00 C	43210.02	61963.0	124	25	14	71' Harbor Tug 'KEN M'
4	1988	Stan's Reef #2, Tug Beverly M	27/23.552	80/00.589	43200.0	61960.7	150		16.00	65' Steel Tug 'BEVERLY M', FADs
4	1989	Muliphen	27/23.04	80/04.05	43207.4	61958.4	168		16.50	460' C2 Cargo Vessel, 'MULIPHEN'
<b>MARTIN</b>										
5	1984	FAD Trolling Alley Reef	27/13.80 C	79/59.28 C	43100.0	61970.0	250			FADs, Line out to 43099.9/61965.4
6	1993	Guardian Reef	27/12.924	80/06.324	43110.7	62013.4	58	8	3.20	Barge 75' x 25' x 6', Steel Tanks, 1360 Tons Concrete Culverts
6	1993	Donaldson Reef	27/12.887	80/06.240	43110.0	62013.0	60		3.20	Concrete Culverts
6	1987	Donaldson Reef	27/12.70	80/06.087	43107.5	62012.5	57	6	3.20	110' Barge 'OWL'
6	1989	Donaldson Reef	27/12.601	80/06.089	43106.5	62012.7	60	10	3.20	170' Barge, Culverts, Mixer Drums
6	1992	Donaldson Reef	27/12.50	80/06.72	43109.5	62013.1	58-60		3.5	11 Loads Bridge Spans, Culverts, Steel
6	UNKN	Donaldson Reef	27/12.3 C	80/06.2 C	43120.5	62011.1	57		3.20	Steel Barge #2
6	UNKN	Donaldson Reef	27/12.3	80/06.2	43106.5	62012.7	57		3.20	100 Cast Iron Bathtubs
6	UNKN	Donaldson Reef	27/12.3	80/06.2	43107.9	62013.3	57		3.20	150 Cast Iron Washbowls
6	UNKN	Donaldson Reef	27/12.3	80/06.2	43107.3	62013.8	57		3.20	100 Porcelain Toilets & Tanks, Scrap Steel
6	1980	Donaldson Reef	27/12.3	80/06.2	43107.3	62013.8	57		3.20	24 Concrete Mixing Bowls
6	1987	Donaldson Reef	27/12.3	80/06.2	43107.5	62012.5	57		3.20	100 Dumpsters, Scrap Steel, Tanks, Boats, Culverts, Rinker Barrels
6	UNKN	Donaldson Reef	27/12.3	80/06.2	43107.6	62012.4	57		3.20	Steel Barge #1
6	1985	Donaldson Reef	27/12.149	80/05.25	43098.9	62008.9	80	17	3.20	Steel Barges
7	1995	Sirotkin Reef	27/13.300	80/01.880	43099.4	61985.4	100		6.10	3000 Tons Concrete Slabs, Piling, Rubble
7	1995	Sirotkin Site - Night Barge	27/13.05	80/01.98	43096.0	61982.3	117		6.10	60' Steel Barge
7	1995	FP&L Reef	27/12.83	80/02.03	43095.0	61987.0	100	6		2086 Tons Concrete Rubble, Modules
7	UNKN	Sirotkin Reef	27/12.5 C	80/02.0 C	43080.2	61993.3	100		6.10	Tug Boat, 'TITAN'
7	1982	Sirotkin Reef	27/12.5	80/02.0	43090.8	61993.1	100		6.10	200' Landing Craft Repair Ship, 'DAVID T'
7	1988	Sirotkin Reef	27/12.5	80/02.0	43091.1	61993.0	100		6.10	188' Dega DeArea-Sand Dredge-Mercedes II

Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>M ARTIN</b>										
7	UNKN	Sirotkin Reef	27/12.5	80/02.0	43079.7	61986.8	100		6.10	459' USS Rankin-Stern
7	UNKN	Sirotkin Reef	27/09.00	80/02.09	43079.0	61986.8	100		6.10	459' USS Rankin-Bow
8	1972	Ernst Reef	27/09.5 C	80/03.5 C	43063.7	62000.4	60		4.70	2 School Bus Bodies
8	1972	Ernst Reef	27/09.5	80/03.5	43062.8	62000.8	60		4.70	Steel Barge #2
8	1972	Ernst Reef	27/09.5	80/03.5	43062.8	62000.8	60		4.70	Steel Barge #3
8	1972	Ernst Reef	27/09.5	80/03.5	43058.6	62001.6	60		4.70	75000 Concrete Weighted Tires
8	UNKN	Ernst Reef	27/09.5	80/05.5	43063.7	62000.8	60		4.70	Steel Barge #1
<b>PALM BEACH</b>										
9	1995	Barge MG 111(Jupiter Inlet Reef #1)	26/58.67	80/01.49	14351.7	62010.3	60			195' Hopper Barge, 900 Tons Concrete
9	1989	Eso Bonaire (Jupiter Inlet Reef #1)	26/57.85	80/00.48	14351.3	62006.5	90		3.40	147' Tanker, 'ESSO BONAIRE III'
9	1990	Miss Jenny (Jupiter Inlet Reef #1)	26/57.83	80/00.44	14351.2	62006.4	90			55' x 50' x 25' Dredge Barge
9	1990	Jupiter Concrete	26/57.79	80/00.45	14351.2	62006.3	90		3.20	250 Tons Concrete
9	1994	Murphy's Barge II	26/48.13	80/01.10	14334.4	62026.8	75			100' Deck Barge
9	1993	Princess Anne	26/47.59	80/00.22	14334.4	62022.3	98			340' x 58' x 52' Car Ferry
9	1989	Classic Barge P1	26/47.42	79/59.10	14335.2	62017.4	275	45	2.40	195' Hopper Barge (P1)
9	1986	Playground	26/47.37	79/59.79	14334.4	62021.1	130-15			1500 Tons Concrete
9	1968	Research Team Reef	26/47.36	80/01.00	14333.1	62027.6	70			Barges and Concrete
9	1989	Classic Barges P6	26/47.30	79/59.38	14334.7	62019.1	235		2.50	195' Hopper Barge
9	1968	Amaryllis	26/47.30	80/00.96	14333.0	62027.5	80		1.00	440' Freighter 'AMARYLLIS'
9	1968	Mizpah/PC 1174	26/47.18	80/00.96	14332.9	62027.6	80			185' Yacht, 165' Patrol Craft
9	1985	EIDSVAG, Rolls Royce, Barge	26/46.02	80/00.15	14331.1	62028.7	80		1.20	150' Freighter, 'EIDSVAG', 120' Barge, Rolls Royce Auto
9	1989	Tri-County Concrete Reef	26/45.78	80/01.29	14330.2	62031.8	60		0.70	6200 Tons Concrete
9	1994	Habitat Corridor Reef	26/44.725	79/59.683	14331.1	62027.8	80			300' Long Limestone 'Corridors' Connecting 3 Ships
9	UNKN	Neptune Statue	26/43.37 C	80/01.07 C	14327.3	62035.4	60			Neptune Statue 9' with Turtles
9	1995	PEP Reef	26/40.72	80/01.73	14321.0	62042.8	25-27			240 Modules
9	1994	Kreusler Park Reef	26/37.00	80/02.00			10-12	3		350' x 25' x 23' Snorkel Reef of Concrete and Rock 250' Off Beach of Park
10	1991	Sugar Sands Reef	26/47.61	80/02.69	14331.9	62036.2	20-25			Modules and Rock
10	1978	Spearmen's Barge	26/47.59	80/00.35	14334.2	62023.7	70			100' Deck Barge
10	1991	Rybovich Reef	26/45.03	80/02.59	14327.6	62040.0	20-25			Modules and Rock
10	1994	Boynton Inlet Reef - Rock	26/32.65	80/02.78			12-15			900 Tons Rock
11	1991	Boynton Kiwanis-Miller Lite Reef	26/33.24	80/01.06	14309.5	62051.2	200	65	1.20	'SKYCLIFFE' 317' Freighter
11	1987	Budweiser Bar	26/28.70	80/02.31	14300.5	62065.0	85			150' Freighter "BUD BAR"
11	1992	Swordfish	26/28.70	80/02.33	14300.5	62065.0	80			70' Treasure Hunter 'SWORDFISH'
11	1989	Genesis Reef - Culverts	26/28.65	80/02.40	14301.2	62066.0	80	12	1.00	2300 Ton Concrete Culverts

12	1992	CSA Modules	26/21.97	80/03.30	14288.1	62080.6	60			12 Concrete Modules
12	1991	Sea Emperor, Barge, Concrete	26/19.32	80/03.54	14283.3	62085.8	65			171' Hopper Barge 'SEA EMPEROR', 1600 Tons Concrete
12	1988	Noula Express	26/19.28	80/03.46	14283.3	62085.7	70	0.70		120' Freighter 'NOULA EXPRESS'
12	1991	Ancient Mariner	26/18.11	80/03.74	14281.0	62088.6	70			165' CG Cutter
13	1987	Hydro-Atlantic Dredge*	26/19.49	80/03.04	14284.2	62085.8	65	1.0		325' Dredge
13	1965	Boca Raton Reef #1	26/19.35C	80/03.35 C	14283.0	62085.5	60	6	0.70	19 Concrete Erojacks

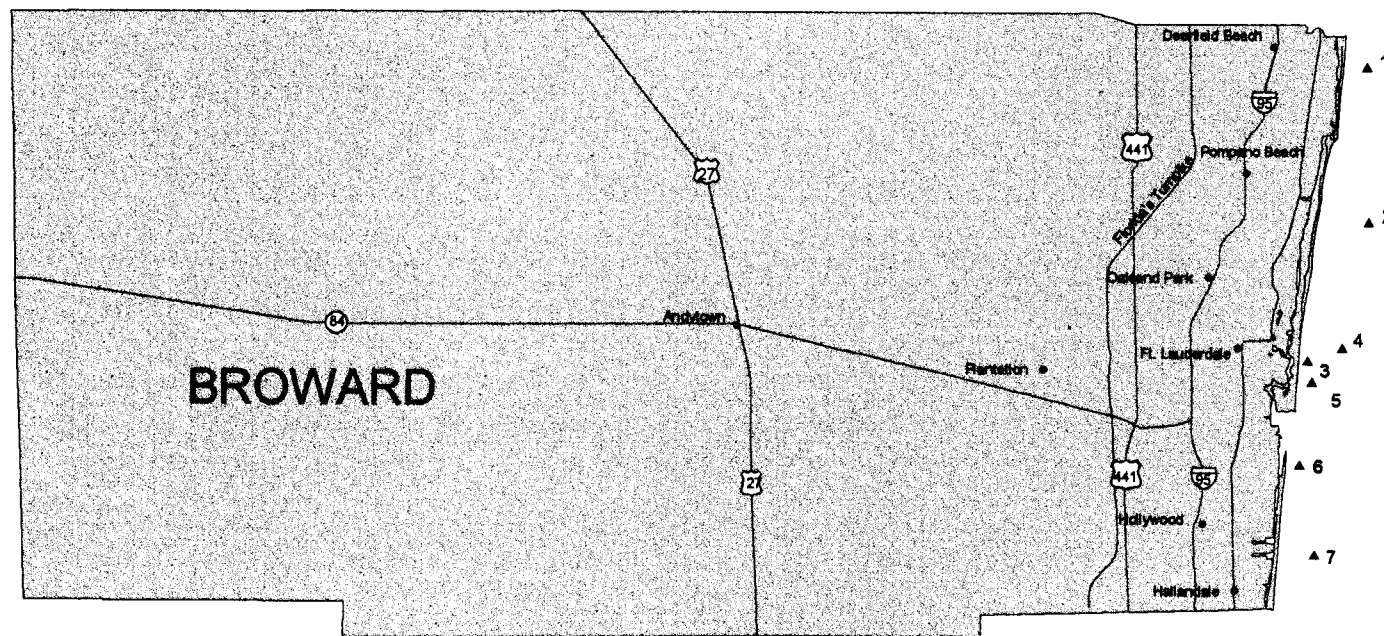




## Map 4: Broward County

### Contact Person

Ken Banks  
(954) 519-1207  
Broward County



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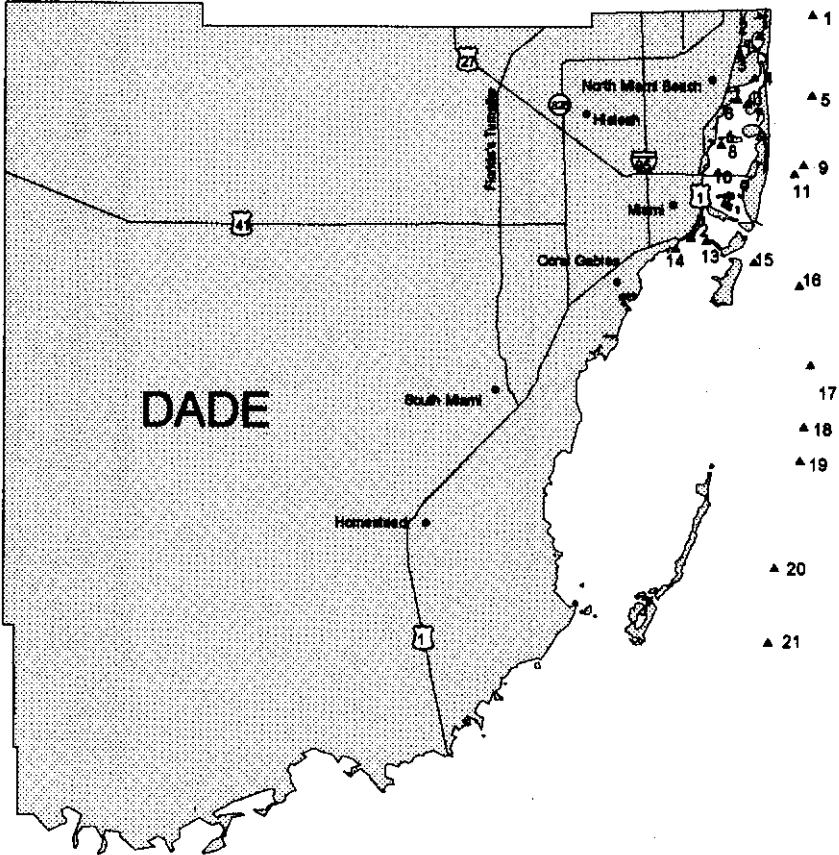


Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>BROWARD</b>										
1	1993	Pennel's Reef - Site A	26/19.180	80/04.080			30	4	.50	Dredge Pontoon
1	1991	Ancient Mariner - Site A	26/18.117	80/03.745	14281.0	62088.6	65	35	1.00	USCG 65' Cutter 'NEMESIS'
1	1987	Berry Patch - Site A	26/18.117	80/03.745	14281.1	62088.5	65	15	0.70	65' Tug & 3 Other Vessels
1	1989	Chuck-A-Luck	26/18.117	80/03.745			70			50' Steel House Boat 'CHUCK A LUCK'
2	1992	Mariner 1 - Site B	26/14.42	80/03.51	14274.2	62095.3	108			170' German Freighter 'UNION EXPRESS'
2	1987	Miller Light - Site B	26/14.207	80/03.677	14274.5	62094.1	155	50	1.40	186' German Freighter 'PRINCIPE MAYA'
2	1987	Buddy Merritt Site B	26/14.15	80/03.36	14275.5	62089.8	414	20	2.30	70' Barge w/Steel Yacht Cradles
2	1993	Mariner 2 - Site B	26/14.11	80/03.807	14274.3	62094.9	110			110' Steel Tug & 130' Barge
2	1989	Papa's Reef - Site B	26/14.102	80/03.383	14274.8	62092.6	260	40	1.70	170' Dutch Freighter 'EBTIDE'
2	1995	Boating Mag/Wildlife Forever Reef	26/14.056	80/03.666			156	60		150' Steel Dredge 'DEWIT CLINTON'
2	1988	Ronald B. Jonsson (Rodeo) - Site B	26/13.880	80/03.445	14274.3	62093.3	230	60	1.60	226' Dutch Bulk Carrier 'OTTO'
2	1990	Rodeo 25 - Site B	26/13.878	80/03.813	14273.8	62095.3	122	72	1.30	215' Dutch Freighter 'WINDWARD TRADER'
2	1986	Corey & Chris	26/13.863	80/03.432	14274.2	62093.4	244	60	1.60	130' Dredge 'TRIDENT'
2	1988	Alpha (Rodeo Divers' Reef)	26/13.857	80/04.027	14273.6	62096.3	78	15	1.20	130' Schooner 'JAY DORMAN', 85' Riveted Schooner
2	1990	Capt. Dan Garnsey - SITE B	26/13.857	80/03.960	14272.3	62096.9	109	40	1.20	'MISSION SHIP' & 175' USCG Buoy Tender 'HOLLY HOCK'
2	1983	Qualmann Tugs - Site B	26/13.857	80/04.027	14264.8	62104.6	145		1.40	100' Tug
2	1986	Tote Machines	26/13.75 C	80/03.383 C	14271.6	62096.4	200			160 Pieces Of Steel
2	1983	Chevron (Rodeo) - Site B	26/13.75 C	80/03.383 C	14271.3	62097.1	170	5	1.50	39 Fuel Storage Tanks
2	1986	Mako Reef - Site B	26/13.75 C	80/03.383 C	14272.0	62096.2	240		1.60	Numerous Boat Molds
2	1994	Fishamerica/Jim Torgerson Reef	26/13.642	80/03.896	14273.4	62095.9	115	40		160' US Naval Support Vessel 'RSB 1'
2	1985	Renegade	26/13.360	80/03.620	14273.4	62094.6	190	30	1.50	150' Dutch Freighter
2	1984	Lowrance - Site B	26/13.202	80/03.640	14272.8	62096.4	200	70	1.50	435' Canadian Freighter
2	1991	Imor - Site B	26/13.048	80/03.760	14272.6	62096.3	165			84' Polish Trawler
2	1985	Caicos Express (Rodeo)	26/12.502	80/03.663	14271.8	62096.2	240	40	1.60	188' Dutch Freighter 'CAICOS EXPRESS'
2	1990	Kornahrens - Site B	26/12.48	80/03.19			140			1800 Tons Of Navy Subnetting
3	1985	Rebel - Site C	26/10.253	80/04.332	14267.1	62103.0	110	35	1.30	150' Norwegian Freighter
3	1986	FL League of Anglers - Site C	26/10.15	80/03.36	14269.2	62097.5	388	25	2.30	144' Navy Minesweeper
3	1996	Ft. Laud. Billfish Tourn./Bruce Mueller Memorial	26/10.116	80/04.7057			65	8		45' Steel Chris Craft (1955) Hull
3	1987	Atria (Jim) - Site C	26/09.870	80/04.225	14266.5	62103.5	112	34	1.30	240' Dutch Freighter
3	1986	Jay Scutti - Site C	26/09.520	80/04.760	14265.2	62106.3	64	30	1.10	97' Tug 'JAY SCUTTI'
3	1985	Mercedes - Site C	26/09.370	80/04.513	14265.2	62105.2	97	47	1.00	190' German Freighter, 'MERCEDES'
3	1989	Robert Edmister - Site C	26/09.193	80/04.837	14265.0	62107.0	70	30	1.10	95' USCG Cutter 'CAPE GULL'
3	1991	Paul Sherman - Site C	26/09.190 C	80/04.83 C	14264.8	62106.6	70			56' Treasure Hunter 'SALVAGER 3'
3	1991	Wendy Rossheim - Site C	26/09.183	80/04.8205	14264.4	62106.5	65			118' DeFoe Christmaster
3	1991	Wendy Rossheim Memorial	26/09.183	80/04.820	14264.4	62106.5	65			118' Steel Yacht 'OUR HOUSE III'

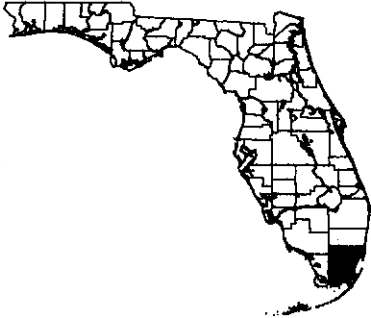
Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>BROWARD</b>										
3	1972	Spaghetti Barge - Site C	26/08.81 C	80/05.00 C	14263.7	62106.7	105			Barge, Small Vessels
3	1983	River Bend - Site	26/08.81 C	80/05.00 C	14263.8	62106.4	98	10	1.20	Barge, LCVP, small vessels
3	1986	Reuben Reef	26/08.81 C	80/05.00 C	14262.5	62109.0	70			PVC Structure, Tote Machines
3	1974	Houseboat 1 - Site C	26/08.81 C	80/05.00 C	14263.7	62107.0	95	12	1.00	70' Steel Houseboat
3	1985	Marriott Reef - Site D	26/08.81 C	80/05.00 C	14261.4	62109.8	71	5	1.00	94' DC-4 Airplane
3	1972	Osborne - Site C	26/08.81 C	80/05.00 C	14263.1	62108.2	65	8	1.10	60' Barge, Erojacks, Tires, Concrete Culverts
3	1983	Great Lakes	26/08.81 C	80/05.00 C	14263.9	62105.1	170			Pontoons & Pipe
3	1983	Chevron 3 - Site C	26/08.81 C	80/05.00 C	14264.4	62103.5	190			Fuel Storage Tanks
3	1989	Bud Krohn - Site C	26/08.81 C	80/05.00 C	14269.8	62095.4	440	35	2.50	183' Spanish Freighter 'ARGO TRADER'
3	1982	Trio Bravo	26/08.727	80/04.293	14264.6	62105.0	145	20	1.40	140' Army Steel Tugboat
3	1982	DNR. Barge Pieces - Site C	26/08.557	80/04.637			70			Barge Pieces
3	1983	Chevron 2 - Site C	26/08.382	80/04.328			150			12 Fuel Storage Tanks
3	1983	Grouper Grotto - Site C	26/08.382	80/04.328	14263.6	62104.5	146	6	1.40	60' Barge, Fuel Tanks, Concrete Culvert, Dredge Pipes
3	1986	Hog Heaven - Site C	26/08.102	80/04.786	14262.7	62108.8	70	20	1.10	180' Barge, Pacific Reef Lighthouse, Dredge Pipe
3	1986	Powell Barge - Site C	26/07.888	80/03.445	14263.5	62104.6	314	12	1.90	100' Barge, Concrete Mixer Drums, Pilings
3	1995	Reef Balls (Deep) - Site C	26/07.807	80/04.390			144	3		5 Bayballs & 1 Palletball Concrete
3	1994	Rinker (Deep) - Site C	26/07.71	80/04.40			75	3		20 Engineered Concrete Modules
3	1995	Reef Balls (Shallow) - Site C	26/07.53	80/04.40			23	3		Prefabricated Concrete
3	1993	Rubber Reef - Site C	26/07.520	80/05.851			22			Tires, Concrete Tetrahedrons
3	1995	Eagle Scout Reef - Site C	26/07.496	80/05.889			22			6+ Reef Balls
3	1995	Reef Balls (Midwater)	26/07.494	80/04.9123			65	3	1.0	Prefabricated, Reef Balls, Concrete
3	1983	Chevron 1 - Site C	26/07.40	80/04.55			73			12 Fuel Storage Tanks
3	1994	Rinker (Shallow) - Site C	26/07.325	80/05.478			22	3		40 Engineered Concrete Modules
4	1970	Monomy - Site D	26/08.266	80/04.833	14263.2	62107.5	60			82' Yacht
4	1991	NSWC Cable Spools - Site D	26/07.95	80/04.63			150	6		Cable Spools
4	1982	Tracor Drydock - Site D	26/06.765	80/04.233	14261.2	62107.4	220	60	1.60	200' Steel Drydock
4	1982	F.A.D. - Site D	26/06.75 C	80/04.166 C	14262.0	62107.2	110			Nova Midwater Kites
4	1978	Christ Craft Molds - Site D	26/06.75 C	80/04.166 C	14261.2	62107.4	210	60	1.60	Hull Molds, Small Vessels, 200' Drydock
4	1985	TE AMO - Site D	26/06.75 C	80/04.166 C	14261.8	62106.6	215		1.50	105' Sail Boat 'TE AMO'
4	1982	Powell Barges - Site D	26/06.487	80/03.947	14261.4	62109.8	270		1.80	Two 100' Barges
5	1967	Erojacks (Ft. Lauderdale)	26/06.716 C	80/05.716 C	14259.8	62116.7	25	8	0.30	Several Hundred Concrete Erojacks
6	1967	Erojacks (Dania)	26/03.716 C	80/06.166 C	14254.2	62123.0	15	8	0.10	Several Hundred Concrete Erojacks
7	1994	Curry Reef - Site E	26/00.648	80/05.606			75	8		30' x 20' Steel Barge w/Crane Boom Pieces
7	1995	Emmi Boggs - Site E	26/00.606	80/05.617			75	5		14'/15' LCM 'EMMI 2'
7	1993	NSWC Sea Con Reef - Site E	26/00.601	80/05.624	14249.0	62122.5	74			2 Steel Acoustic Arrays & Concrete
7	1993	Capt. DeDe - Site E	26/00.575	80/05.591			74			50' Concrete Sailboat
7	1995	Hollywood Reef	26/00.459	80/05.62			73	6		30 Reef Balls, Concrete Pipe, 2 Barges (12'/24')

7	1985	Tenneco Decks (Shallow)	25/58.952	80/05.100	14246.9	62122.7	105	55	1.60	Three Oil Rig Decks
7	1985	Tenneco Towers (Deep)	25/58.890	80/04.798	14247.3	62121.0	190	80	2.10	Two Oil Rigs Legs

# Map 5: Dade County



**Contact Person**  
 Brian Flynn  
 (305)372-6850  
 Dade County



Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>DADE</b>										
1	1985	Platform Structure	25/58.951	80/05.10	14246.9	62122.3	90-110	40		3 Platform Structures, Steel
1	1985	Jacket Structure	25/58.89	80/04.798	14247.2	62120.8	185-190	75		2 Jacket Structures, Steel
1	1986	Cruz Del Sur	25/58.166	80/04.636	14246.1	62121.0	240	95	2.30	287' Steel freighter, 'CRUZ DEL SUR'
2	1985	Dumfoundling Bay Reef	25/56.90 C	80/07.766 C	In the	Bay	14-38		0.10	Tanks, Drums, Concrete, 4 Vessels, 2889 Tons Boulders
3	1987	Greynolds Park Reef	25/55.75 C	80/09.00 C	In the	Bay	9-10	3-4	0.01	382 Tons Limerock Boulders, 16' X 32' area
4	1991	Oleta State Park Reef	25/54.433 C	80/08.033 C	In the	Bay	8	2	0.10	2900 Tons Limerock Boulders
5	1991	Conception	25/54.133 C	80/04.716 C	14239.0	62129.4	68	20		150' Steel Ship "CONCEPTION"
5	1985	Andro	25/54.133 C	80/04.716 C	14237.7	62129.4	103	25	2.00	165' Steel Freighter 'ANDRO'
5	1986	Narwal	25/54.133 C	80/04.716 C	14239.7	62129.4	115	18	2.10	137' Steel Freighter 'NARWAL'
5	1989	Haulover Reef	25/54.133 C	80/04.716 C	14238.6	62126.2	338	4	2.50	Concrete Pipe (50 tons)
5	1985	Rossmerry	25/54.133 C	80/04.716 C	14239.6	62126.1	240	20	2.25	195' Steel Freighter, 'ROSSMERRY'
5	1986	African Queen	25/54.133 C	80/04.716 C	14229.3	62137.5	44	5	1.60	'AFRICAN QUEEN' 57' Steel Hull
5	1976	Liberty Ship	25/54.133 C	80/04.716 C	14239.4	43104.5	372	20	2.50	420' Liberty Ship 'L. BODENHAMER'
5	1990	C-One	25/54.133 C	80/04.716 C	14239.0	62129.4	68	33	1.50	120' Steel Tug "C-ONE"
5	1947	Crane Boom*	25/54.133 C	80/04.716 C	14236.1	62133.0	85		2.75	100' Crane Boom
5	1987	Haulover Reef	25/54.133 C	80/04.716 C	14237.6	62129.4	120	8	2.10	Concrete Pipe (360 tons)
5	1995	White Coast	25/54.133 C	80/04.716 C	14239.0	62129.4	68	10		38' Steel Tug "WHITE COAST"
5	1991	Concrete Pipes	25/53.448	80/04.636	14239.0	62129.4	68	12		320 Tons of Concrete Pipe
5	1993	Limerock Boulders	25/53.373	80/04.616	14238.9	62129.4	68	5		1500 Tons Limerock Boulders
5	1993	DERM Concrete Modules	25/53.373	80/04.616	14238.9	62129.4	68	5		50 Concrete Modules Surrounded By Limerock
5	1989	Haulover Reef	25/52.474	80/04.370	14237.7	62129.4	120	10	2.10	Concrete Pipe (650 tons), Culverts
6	1982	North Bayshore Park Reef	25/53.15 C	80/09.033 C	In the	Bay	7		0.10	Concrete Rubble, Pipe
7	1991	San Souci Reef	25/52.866 C	80/08.45 C	In the	Bay	25	10	0.10	3611 Tons Limerock Boulders
8	1979	Pelican Harbor Reef	25/50.45 C	80/10.00 C	In the	Bay	7	3	0.10	Concrete Culvert
9	1971	Lotus	25/50.043	80/03.916	14233.0	43110.1	218	15	2.25	110' Coast Guard Tender 'LOTUS'
9	1980	San Rapael	25/49.812	80/04.084	14233.2	43110.5	282		2.50	200' Steel Freighter, 'SAN RAPAE'
9	1973	West End	25/49.566 C	80/04.90 C	14232.4	43111.3	228		2.25	110' LCI, 'WEST END'
9	1969	LCI	25/49.566 C	80/04.90 C	14231.7	43112.0	202	5	2.00	150' Landing Craft
9	1989	Ostwind	25/49.566 C	80/04.90 C	14230.7	62132.2	275	14	2.10	'Ostwind' 80' Steel Hull
9	1970	Dredge Pipes	25/49.566 C	80/04.90 C	14231.5	43112.1	204	3	2.00	Scrap Steel, Rubble
9	1971	Minesweeper	25/49.566 C	80/04.90 C	14233.7	43110.7	180		2.00	177' Minesweeper
9	1973	Fireboat	25/49.566 C	80/04.90 C	14232.8	43109.3	222	12	2.25	110' Steel tug
9	1978	Drydock	25/49.566 C	80/04.90 C	14231.5	43111.4	330		2.50	Pontoon Dock
9	1980	Walka Q	25/49.566 C	80/04.90 C	14233.1	43110.3	282		2.50	200' Steel freighter 'WALKA Q'
9	1971	Pimellous	25/49.301	80/04.948	14232.3	43112.4	135		1.75	120' Steel Ferry 'PIMELLOUS'
9	1995	Tortuga	25/49.246	80/05.108			110	40		"Tortuga" 165' Steel Ship

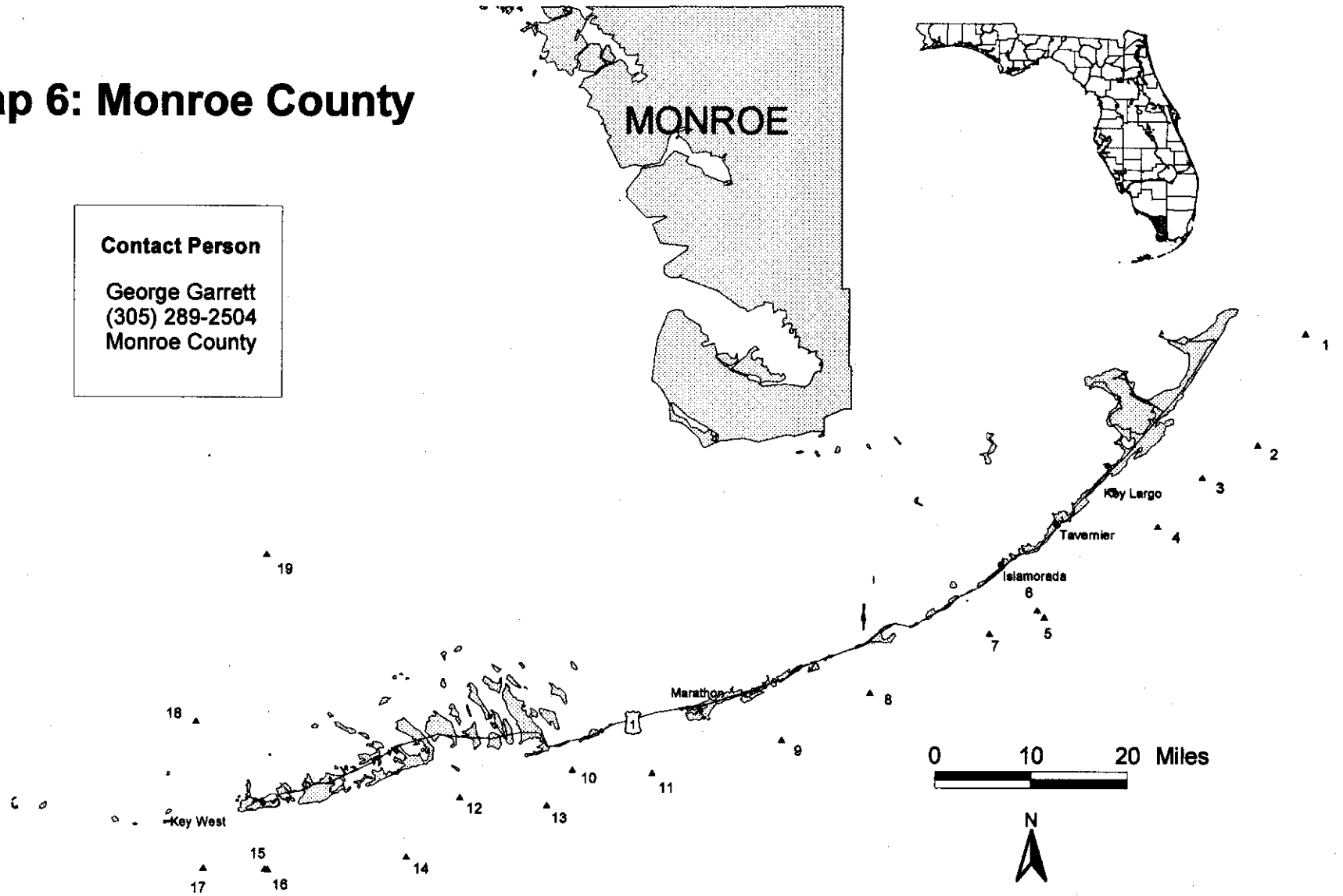
Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>DADE</b>										
10	1982	Julia Tuttle Artificial Reef	25/48/50 C	80/10/12 C	in the bay		28	11	.10	133 Autos, 12 Vessels, 27 Tanks, 2540 Tons Concrete
11	1986	John Koppin Memorial Reef	25/48.82	80/05.47	14229.3	62137.5	45	7	1.50	75' Steel Barge, Concrete Pipe & Girders
11	1987	Coquina	25/48.70 C	80/05.66 C	14228.8	62137.4	44	5	1.60	'COQUINA' 55' Steel Cargo Ship
11	1984	Lands End & Mary Ann I	25/48.70 C	80/05.66 C	14229.0	62137.4	46	15	1.50	2 Vessels 'LANDS END' and 'MARY ANN I'
11	1986	Anchorage Reef - Culverts	25/48.70 C	80/05.66 C	14229.3	62137.5	45	8	1.60	60 Tons Concrete Pipe
11	1987	Anchorage Reef - Culverts	25/48.70 C	80/05.66 C	14229.3	62137.1	51	8	1.60	Concrete Pipe (400 tons)
11	1985	Shamrock	25/48.70 C	80/05.66 C	14229.0	62137.4	44	15	1.50	120' Steel LCT 'SHAMROCK'
11	1988	Leon's Barge	25/48.70 C	80/05.66 C	14229.3	62136.9	50	12	1.60	100' Barge 'LEON'S BARGE'
11	1986	Anchorage Reef - Culverts	25/48.70 C	80/05.66 C	14229.3	62137.5	45	8	1.60	Concrete Pipe (60 Tons)
11	1987	Anchorage Reef - Culverts	25/48.70 C	80/05.66 C	14228.9	62137.3	51	8	1.60	Concrete Pipe (360 Tons)
11	1989	Miss Karlina	25/48.70 C	80/05.66 C	14229.5	62136.6	51	15	1.60	85' Steel Ship 'MISS KARLINE'
11	1990	Patricia	25/48.70 C	80/05.66 C	14229.5	62136.6	53	15	1.60	65' Steel Tug 'PATRICIA'
11	1987	Esjoo	25/48.70 C	80/05.66 C	14229.3	62136.7	51	15	1.60	'ESJOO' 70' Steel Cargo Ship
11	1987	Billy's Barge	25/48.70 C	80/05.66 C	14228.9	62137.2	48	10	1.60	'BILLY'S BARGE' 100' Steel Barge
11	1994	M60 Army Tanks	25/48.68	80/05.48	14229.3	62137.4	48	10		2 Army Tanks, Boulders
11	1996	Matthew Lawrence Memorial Reef	25/48.66	80/05.39	14229.1	62137.0	50	15		110' Steel Ship/Barge 'MATTHEW LAWRENCE'
11	1987	Anchorage Reef - Girders	25/47.781	80/04.794	14229.3	62137.5	45	9	1.60	6 90' Concrete Girders
11	1994	Limerock Boulders	25/47.761	80/04.768	14229.3	62137.4	48	10		1060 Tons Limerock Boulders
11	1995	Limerock Boulders	25/47.761	80/04.768	14229.5	62136.6	50	12		1024 Tons Limerock Boulder
11	1988	Pyramid Reef	25/47.701	80/04.689	14229.3	62137.1	50	20	1.60	19 Radio Antenna Pyramids, Concrete Pipe, Steel
11	UNKN	Anchorage Reef - Modules	25/47.666	80/04.722	14229.2	62137.3	45			Prefab Concrete Units & Rock Modular Units
11	1990	Cote Reef	25/47.542	80/04.793	14228.9	62137.8	45	16	1.60	Concrete Modules, Tanks, Concrete
12	1991	Brickell Area Reef	25/44.916 C	80/11.783 C	In the	Bay	12	6	0.10	3370 Tons Limerock Boulders
13	1986	Rickenbacker Cswy Reef	25/44.75 C	80/10.883 C	In the	Bay	10		0.25	Concrete Piles, Limestone Boulders
14	1984	Mercy Hospital Reef	25/44.283 C	80/12.70 C	In the	Bay	10	4	0.10	Concrete Rubble, Bicycle Racks, Vessels, Habitats
15	1926	Half Moon Wreck*	25/43.50 C	80/08.05 C	14217.3	62156.2	16	2-3	1.25	100' Steel Yacht 'HALF MOON'
16	1982	Star Trek	25/42.066 C	80/05.35 C	14219.0	62142.2	210	32	4.75	203' Steel Ship 'STAR TREK', FADs
16	1982	Arída	25/42.066 C	80/05.35 C	14219.7	62143.7	88	12	4.00	165' Steel LCT 'ARIDA'
16	1985	Belcher Barge	25/42.066 C	80/05.35 C	14217.8	62142.2	58	10	3.50	195' Steel Barge
16	1982	Cement Mixers	25/42.066 C	80/05.35 C	14218.4	62144.6	83	8	4.00	20 Steel Cement Mixer Drums
16	1982	Lakeland	25/42.066 C	80/05.35 C	14218.6	62143.8	135	25	4.25	200' Steel Ship 'LAKELAND', FADs
16	1981	Orion	25/42.066 C	80/05.35 C	14217.4	62145.0	88	15	4.00	118' Steel Tug 'ORION'
16	1974	Biscayne Wreck	25/42.066 C	80/05.35 C	14218.5	62145.0	55	15	3.50	120' Steel Freighter 'BISCAYNE'
16	1991	Belzona Barge	25/42.066 C	80/05.35 C	14217.8	62146.6	40	10		215' Steel Barge 'BELZONA BARGE'
16	1986	Key Biscayne Reef	25/42.066 C	80/05.35 C	14218.6	62143.8	135	15		500 Tons of Bridge Girders
16	1986	Key Biscayne Reef	25/42.066 C	80/05.35 C	14218.6	62143.8	135	15		350 Tons of Bridge Girders



16	1981	Sarah Jane, Drift Boats	25/42.066 C	80/05.35 C	14218.6	62144.4	100	8	4.00	6 Vessels (4 Wood, 2 Steel) Including 100' Barge
16	1992	John Maydak Memorial Reef	25/42.066 C	80/05.35 C	14218.2	62144.7	66	10		50/75' Steel Tugs
16	1983	Chevron Steel Tanks	25/42.066 C	80/05.35 C	14218.4	62144.6	84	8		50 Steel Storage Tanks
16	1982	Steel House Boat	25/42.066 C	80/05.35 C	14218.6	62144.4	95			40' Steel Houseboat
16	1991	Belzona Two	25/42.066 C	80/05.35 C	14217.8	62145.1	60	15		90' Steel Tug 'BELZONA TWO'
16	1977	Dade County Reef	25/42.066 C	80/05.35 C	14220.3	62142.8	220		5.00	Concrete Rubble
16	1985	Proteus	25/42.066 C	80/05.35 C	14218.7	62144.3	72	18	3.75	220' Steel Freighter 'PROTEUS'
16	1987	Sheri-Lyn	25/42.066 C	80/05.35 C	14218.5	62144.5	100	15	3.80	235' Steel Ship 'SHERI-LYN'
16	1989	Big Lou	25/42.066 C	80/05.35 C	14217.9	62145.2	55	7	3.50	36' Steel Hull 'BIG LOU'
16	1983	South Seas	25/42.066 C	80/05.35 C	14218.2	62144.7	73	15	3.75	175' Steel Hull, 'SOUTH SEAS'
16	1987	Miracles-Express	25/42.066 C	80/05.35 C	14218.5	62145.0	55	8	3.50	'MIRACLES-EXPRESS' 100' Steel Freighter
16	1989	Rio Miami	25/42.066 C	80/05.35 C	14218.4	62144.6	67	30	3.70	'RIO MIAMI' 105' Steel Tug
16	1990	Belzona One	25/42.066 C	80/05.35 C	14217.8	62144.9	38	10	3.70	85' Steel Tug 'BELZONA ONE'
16	1991	Belzona Three	25/42.066 C	80/05.35 C	14217.8	62145.0	65	15		100' Steel Tug 'BELZONA THREE'
16	1993	Spirit of Miami	25/41.88	80/05.22	14218.1	62144.6	82	12		'SPIRIT OF MIAMI' 727 Jet, Broken Up
16	1986	Mystic Isle	25/41.276	80/04.048	14219.4	62142.2	185	28	4.50	103' Steel Ferry 'MYSTIC ISLE'
17	1984	Ultra Freeze	25/37.40 C	80/04.90 C	14211.1	62150.0	120	45	5.00	195' Steel Freighter 'ULTRA FREEZE'
17	1983	Moby One	25/37.40 C	80/04.90 C	14210.2	62151.1	97	10	5.00	75' Wood Shrimper 'MOBY I'
17	1988	Tarpoon	25/37.40 C	80/04.90 C	14210.1	62151.5	65	5	4.50	165' Steel Ship, Broken up
17	1981	Hopper Barge	25/37.066 C	80/04.90 C	14210.3	62149.9	163	12	5.25	150' Steel Hopper Barge
17	1986	Steane D'Auray	25/35.869	80/04.675	14209.6	62151.8	68	28	4.00	110' Steel Trawler, 'STEANE D'AURAY'
18	1983	Blue Fire	25/33.70 C	80/05.033 C	14204.6	62155.5	110	20	6.50	175' Steel Freighter 'BLUE FIRE'
18	1980	Railroad Barge	25/33.70 C	80/05.033 C	14206.9	62152.8	163	11	6.50	100' Steel Barge
18	1983	Pioneer 1	25/33.70 C	80/05.033 C	14205.2	62153.6	215	30	7.00	195' Steel Freighter 'PIONEER I', 26 Fuel Tanks
19	1985	Sir Scott	25/31.683 C	80/05.266 C	14201.2	62157.5	220	65	4.75	267' Steel Freighter, 'SIR SCOTT', FADs
19	1983	FPL Stacks South	25/31.683 C	80/05.266 C	14199.9	62159.1	190	20	4.50	43 Steel Exhaust Stacks 8' X 13' X 21'
19	1983	FPL Stacks North	25/31.683 C	80/05.266 C	14200.2	62158.7	190	20	4.50	40 Steel Exhaust Stacks 8' x 13' x 21'
20	1975	Belcher Barge	25/25.35 C	80/06.75 C	14187.5	62174.4	120	10	4.75	85' Steel Fuel Barge
20	1976	Santa Rita	25/25.35 C	80/06.75 C	14188.9	62170.7	245	25	5.00	200' Steel Ship, 'SANTA RITA'
20	1975	Almirante	25/24.98	80/07.05	14187.5	62137.8	125	20	4.75	200' Steel Ship 'ALMIRANTE'
21	1988	Hugo's April Fool	25/22.05 C	80/07.616 C	14181.7	62180.5	145	20	5.00	'DANBO' 115' Steel Freighter
21	1988	F4 Reef	25/22.05 C	80/07.616 C	14181.4	62181.7	80	9	4.80	Two F4 jet Fuselages
21	1988	Berry Patch	25/22.05 C	80/07.616 C	14181.8	62180.4	150	24	5.00	155' Steel Freighter 'ST. JOSEPH'
21	1988	Doc De Milly	25/20.946	80/07.094	14181.7	62180.4	140	70	5.00	287' Steel Freighter 'DOC DE MILLY', 2 FADs

# Map 6: Monroe County

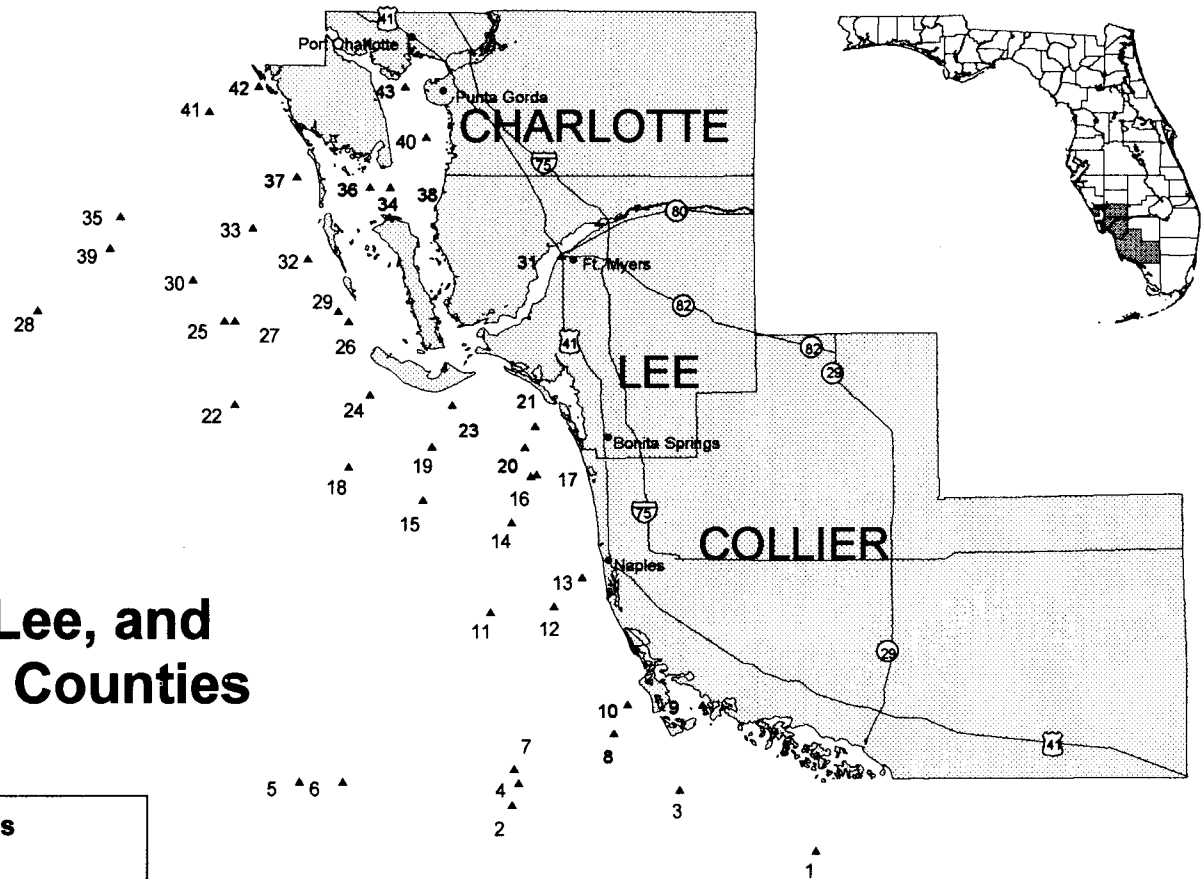
**Contact Person**  
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Monroe County



Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>MONROE</b>										
1	1978	Alva Chapman Reef	25/17.667 C	80/09.10 C	14160.4	43185.8	220		8.00	Two Concrete Hulls, Dredge Pipe
2	UNKN	Elbow Wreck*	25/07.2 C	80/13.55 C	14149.4	62224.3	180		7.50	Large Vessel
3	UNKN	Spiegel Grove	25/04.18 C	80/18.72 C			110-25	75	5.00	510' Surplus Navy Vessel To Be Deployed 96/97
4	1987	CG Cutter Bibb	24/59.59 C	80/22.86 C	14123.0	62270.0	130	40	5.87	327' US Coast Guard Cutter 'BIBB'
4	1987	CG Cutter Duane	24/59.59 C	80/22.86 C	14122.2	62270.9	122	67	5.87	327' US Coast Guard Cutter 'DUANE'
5	UNKN	Nimrod*	24/51.05 C	80/33.45 C	14092.6	43292.0	210		5.50	Vessel, Unconfirmed
6	1986	Islamorada Art. Reef	24/51.70 C	80/34.10 C	14094.0	43291.1	115	15	4.53	Old Teatable Channel bridge
6	1985	Eagle	24/51.70 C	80/34.10 C	14093.2	43292.9	120	50	4.53	287' Freighter 'EAGLE'
6	1981	Islamorada Art. Reef	24/51.70 C	80/34.10 C	14093.2	43292.6	110	10	4.50	Concrete & Steel, Snake Creek Bridge
6	1984	Islamorada Art. Reef	24/51.70 C	80/34.10 C	14093.0	43293.2	110	14	4.53	120' Steel barge, Old Whale Harbor bridge
6	1987	Islamorada Art. Reef	24/51.70 C	80/34.10 C	14094.0	43291.1	115	10-15	4.50	Lignum Vitae Ch. Bridge Rubble
6	1986	Islamorada Art. Reef	24/51.70 C	80/34.10 C	14094.1	43291.0	115	15	4.53	Indian Key Ch. Bridge Rubble
7	1979	Cannabis Cruiser Reef	24/49.504 C	80/38.554 C	14081.8-9	43313.1-2	110		3.75	Scuttled 65' Drug Freighter
8	1986	Long Key Art. Reef	24/43.9 C	80/49.667 C	14054.9	43364.7	26	10-15	4.25	5 Patch Reefs Bridge Rubble, Ch. 5 Bridge
8	1986	Long Key Art. Reef	24/43.9 C	80/49.667 C	14055.0	43364.3	26	10-15	4.25	5 Patch Reefs Bridge Rubble, Ch. 5 Bridge
8	1986	Long Key Art. Reef	24/43.9 C	80/49.667 C	14055.5	43364.9	26	10-15	4.25	9 Patch Reefs Bridge Rubble, Ch. 5 Bridge
8	1986	Long Key Art. Reef	24/43.9 C	80/49.667 C	14054.4	43365.5	26	10-15	4.25	5 Patch Reefs Bridge Rubble, Ch. 5 Bridge
8	1994	Long Key Art. Reef	24/43.9 C	80/49.667 C			24-28		5.00	478 Tons of Bridge Material (Concrete & Steel)
8	1987	Long Key Art. Reef	24/43.9 C	80/49.667 C	14054.3	43365.0	26	10-15	4.27	4 Patch Reefs Bridge Rubble, Ch. 2 Bridge
8	1986	Long Key Art. Reef	24/43.9 C	80/49.667 C	14054.3	43366.3	26	10-15	4.25	5 Patch Reefs Bridge Rubble, Ch. 5 Bridge
8	1996	Long Key Art. Reef	24/43.9 C	80/49.667 C			24-28		5.00	3942 Tons of Bridge Material (Concrete & Steel)
8	1994	Long Key Art. Reef	24/43.9 C	80/49.667 C			24-28		5.00	3746 Tons of Bridge Material (Concrete & Steel)
9	1986	Thunderbolt	24/39.48 C	80/57.90 C	14034.0	43403.4	115	50	4.00	189' Freighter 'THUNDERBOLT'
9	1982	Marathon Reef	24/39.48 C	80/57.90 C	14033.7	43403.9	115	10	4.00	Concrete & Bridge Rubble, Vaca Cut Bridge
9	1987	Marathon Reef	24/39.48 C	80/57.90 C	14034.0	43403.4	115		4.00	Concrete Slabs, Around Thunderbolt
10	1987	Bahia Honda Art. Reef	24/36.633 C	81/17.467 C	13993.8	43497.5	32	6-12	2.30	3600 Tons Concrete Slabs, Spanish Harbor Bridge
10	1985	Bahia Honda Art. Reef	24/36.633 C	81/17.467 C	13993.9	43497.2	30	6-12	2.30	3000 Tons Concrete Rubble-Bridge Decks, Pipe, Steel
11	1984	Seven Mile Bridge Reef	24/36.333 C	81/10.00 C	14007.3	43459.3	115	10	6.58	Steel Barge, Concrete Rubble
11	1982	Seven Mile Bridge Reef	24/36.333 C	81/10.00 C	14006.8	43460.4	115	30	2.00	Concrete & Steel Bridge Rubble, 7 Mile Bridge
11	1987	Seven Mile Bridge Reef	24/36.333 C	81/10.00 C	14007.0	43459.9	115	15	6.58	Concrete Slabs & Spans, 7 Mile Bridge
12	1985	American Shoal Reef	24/34.00 C	81/28.00 C	13968.2	43548.6	40	10	6.00	Concrete & Steel From Niles Channel Bridge
13	1988	Big Pine Art. Reef	24/33.35 C	81/19.90 C	13984.8	43508.1	45	16		Fabricated Concrete Units
13	1988	Big Pine Art. Reef	24/33.35 C	81/19.90 C	13984.7	43507.6	80	16		Fabricated Concrete Units
13	1983	Big Pine Art. Reef - Papa Joe	24/33.35 C	81/19.90 C	13984.6	43506.8	123	20		72' Wood Shrimp Boat 'Papa Joe'
13	1988	Big Pine Art. Reef	24/33.35 C	81/19.90 C	13985.0	43509.1	25	16		Fabricated Concrete Units

Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>MONROE</b>										
14	1972	Wilkes Barre	24/28.466 C	81/33.00 C	13951.8	43570.2	300		9.00	Cruiser, 'WILKES BARRE'
15	1987	KW Fish. Tourn. Reef	24/27.25 C	80/46.25 C	13922.4	43636.8	205	6	7.50	Heavy Steel & Barge
15	1983	KW Fish. Tourn. Reef	24/27.25 C	81/46.25 C	13923.0	43637.8	184	14	7.30	100' Steel Barge 'LOLA'
15	1983	KW Fish. Tourn. Reef	24/27.25 C	81/46.25 C	13923.7	43636.4	180	21	7.50	260' Ship L.S.M.R.
15	1982	KW Fish. Tourn. Reef	23/27.25 C	80/46.25 C	13922.2	43639.7	180	60	7.00	213' Navy Cable Layer Vessel 'CURB'
16	1985	Cayman Salv. Master Reef	24/27.21 C	81/45.98 C	13923.4	43638.7	86	32	5.60	187' Freighter Hull, 'CAYMAN SALVAGE MASTER'
17	1992	Stargazer Reef	24/27.30 C	81/52.00 C	13910.7	43669.8	13		4.20	Sculpture
18	1983	Key West Gulfside Reef	24/41.13 C	81/52.73 C	13933.8	43678.8	32	4	9.75	Small Boats, 1 Ton
18	1983	Key West Gulfside Reef	24/41.13 C	81/52.73 C	13933.5	43679.1	32	8	9.75	Steel I-Beams and Rubble
18	1986	Key West Gulfside Reef	24/41.13 C	81/52.73 C	13933.4	43679.1	32		9.75	3000 Tons Concrete & Steel
18	1987	Key West Gulfside Reef	24/41.13 C	81/52.73 C	13933.3	43679.8	32		9.75	100 Tons Concrete Rubble
18	1983	Key West Gulfside Reef	24/41.13 C	81/52.73 C	13932.3	43679.1	32	10	9.75	120' Steel Barge
19	1985	Gunbor Art. Reef	24/56.80 C	81/46.2 C	13974.1	43651.0	52	26	19.55	Superstructure from 'CAYMAN SALVAGE MASTER'





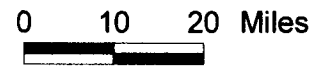
## Map 7: Collier, Lee, and Charlotte Counties

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Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>COLLIER</b>										
1	1989	Pavilion Key 6 Mi. Reef	25/41.18 C	81/28.00 C	14090.5	43566.0	16		6.00	Concrete Materials
2	UNKN	Steinauer Reef #2	25/45.50 C	81/57.20 C	14043.0	43770.0	45			Unconfirmed, Concrete Pilings, Dumpsters, Commodes, Blocks
3	1988	Naftal Reef #2	25/47.00 C	81/41.133 C	14076.7	43660.1	14		4.00	Unconfirmed, Concrete Pilings
4	1991	Caxambas Pass 14 Mi. Reef	25/47.60 C	81/56.60 C	14048.0	43770.0	46	8	14.00	Concrete Culverts
5	1987	Robinson Reef #1	25/47.73 C	82/17.783 C	14005.0	43920.0				Unconfirmed, Automobiles, Buses
6	1987	Robinson Reef #2	25/47.75 C	82/13.60 C	14002.0	43878.0				Unconfirmed, Automobiles, Buses
7	UNKN	Steinauer Reef #1	25/49.00 C	81/57.00 C	14050.0	43775.0	40		12.00	Unconfirmed, Concrete Pilings Proposed
8	1986	Marco Is. 5 Mi. Reef	25/52.42	81/47.48	14073.7	43714.9	30		5.00	Dredge Pipe, Pontoon Material
8	1972	Marco Is. 5 Mi. Reef	25/52.42	81/47.48	14074.0	43714.0	30		4.40	Concrete Rubble, Dredge Pipe, Pontoon Material
8	1986	Marco Is. 5 Mi. Reef	25/52.42	81/47.48	14074.2	43713.0	30		4.40	Dredge Pipe, Pontoon Material
8	1986	Marco Is. 5 Mi. Reef	25/52.42	81/47.48	14074.0	43714.0	30		4.40	Dredge Pipe, Pontoon Material
8	1986	Marco Is. 5 Mi. Reef	25/52.42	81/47.48	14073.7	43714.5	30		4.40	Dredge Pipe, Pontoon Material
8	1986	Marco Is. 5 Mi. Reef	25/52.42	81/47.48	14073.7	43714.9	30		5.00	Dredge Pipe, Pontoon Material
8	1986	Marco Is. 5 Mi. Reef	25/52.42	81/47.48	14073.7	43714.5	30		4.40	Dredge Pipe, Pontoon Material
8	1986	Marco Is. 5 Mi. Reef	25/52.42	81/47.48	14074.2	43713.0	30		5.00	Dredge Pipe, Pontoon Material
8	1986	Marco Is. 5 Mi. Reef	25/52.42 C	81/47.48 C	14074.0	43714.5	30		5.00	Concrete Rubble, Steel Barge, Trucks, Dredge Pipe
9	1987	Naftal Reef #1	25/55.216 C	81/38.93 C	14040.1	43750.1	45			Unconfirmed, Concrete Pilings
10	1972	Marco Is. 2 Mi. Reef	25/55.24 C	81/46.15 C	14085.0	43705.1	23		2.00	Concrete Filled Tires & Rubble
11	1992	Gordon Pass 9 Mi. Reef	26/04.04 C	81/59.32 C	14076.5	43834.0	36		9.0	92 Concrete Modules
12	1989	Gordon Pass 5 Mi. Reef	26/04.59	81/53.170	14089.8	43777.3	25		5.0	Concrete Culverts
12	1987	Gordon Pass 5 Mi. Reef	26/05.21 C	81/53.44 C	14089.8	43777.3	28		5.00	4 Airplane Fuselages, Concrete Culverts
13	1973	Naples Pier Reef	26/07.42 C	81/50.48 C	14101.1	43765.4	20		2.00	Concrete Rubble, Concrete Filled Tires
13	1995	Naples Pier Reef	26/07.770	81/51.026	14100.4	43768.0				300 Tons Concrete
14	1987	Doctors Pass 5 Mi. Reef	26/10.22 C	81/54.34 C	14098.5	43818.6	28		5.00	Concrete Culverts
14	1994	Doctors Pass 5 Mi. Reef	26/12.681	81/57.271	14098.5	43827.6	30			800 Tons Concrete Culverts
15	1993	Wiggins Pass 14 Mi. Reef	26/14.010	82/07.736	14080.5	43912.2	42		14.50	800 Tons Concrete Culverts
15	1991	Wiggins Pass 14 Mi. Reef	26/14.86 C	82/05.83 C	14085.0	43900.0	48	8	14.50	Concrete Culverts
16	1986	Wiggins Pass 5 Mi. Reef	26/17.16 C	81/55.43 C	14110.6	43828.0	30		5.00	School Buses, Coke Trucks, Derelict Crane, Concrete Culverts
17	1987	Wiggins Pass 4.6 Mi. Reef	26/17.30 C	81/54.85 C	14111.1	43824.0	28		4.80	Barge & Crane Sunk On Way to 5 Mi. Site
<b>LEE</b>										
18	1993	Edison Bridge Reef	26/18.45	82/13.36	14078.3	43968.7	42			1400 Cubic Yards Bridge Rubble
19	1988	Jaycees Reef	26/20.24	82/05.25	14097.9	43912.0	33		8.50	Barge Filled With Ruble, Tires
19		Jaycees Reef	26/20.24	82/05.25	14098.5	43912.0	31			225 Tons Concrete Culverts
19	1993	Jaycees Reef	26/20.24	82/05.25	14097.9	43913.4	31			300 Tons of Precast Concrete



Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>LEE</b>										
19	UNKN	Jaycees Reef	26/20.24	82/05.25	14097.2	43912.9	31			310 Tons Concrete Culverts
20	1995	G - H (D.J.H.) Reef	26/20.73	81/57.12	14133.8	43850.6	25		4.50	450 Tons Culverts
20	1984	G - H Reef - Fish America	26/20.70	81/56.85	14115.1	43848.9	30		4.50	110' Barge, Tug, Dumpsters
21	1977	'MAY' Reef	26/22.53	81/55.73	14122.1	43838.3	20		2.50	Bridge Rubble
22	UNKN	A.R.C. Barge Reef	26/25.15	82/24.60	14067.9	44080.0	60			Unconfirmed, 110' Steel Barge
23	1979	Sanibel Reef	26/24.77	82/02.60	14113.1	43900.9	20	10	2.90	Concrete Rubble, Tires
23	1978	Sanibel Reef	26/24.77	82/02.60	14111.3	43906.2	20	10	2.90	Concrete Rubble, Tires
24		Belton Johnson Reef	26/25.48	82/11.88			30			500 Tons Culverts
25	1993	ARCOA	26/32.48	82/25.08	14083.9	44111.4	57			ARCOA BIOreef Prefab. Units
26	UNKN	Redfish Pass Reef	26/32.60	82/13.79			23		1.5	Concrete Rubble, Tires
27	UNKN	12 Mile Reef - Culverts	26/32.74	82/24.62						Culverts
27	UNKN	12 Mile Reef - Barge	26/32.88	82/24.75	14085.3	44111.4	60			Barge, Concrete Culverts
28	1994	Deep Reef	26/33.27	82/43.47	14045.2	44260.0	90	24		Two Piles of Hopper Cars (One With 16 Cars Other With 24 )
29	1989	Redfish Barges Reef	26/33.653	82/14.196			24			Two Steel Barges
30	UNKN	School Bus Reef 2	26/36.22	82/28.29	14086.0	44152.4	70			School Bus; Concrete Culvert
31	1985	Ft. Myers Wharf Reef	26/38.429 C	81/52.482 C	14161.9	43868.1				4800 Tons Concrete Rubble & Rip Rap In River
32	1989	Helen's Reef	26/38.10	82/17.30	14112.4	44072.5	32		3.40	Barge, Concrete Rubble, Power Poles
33		Power Pole - Searun*	26/40.88	82/22.25						Wreck
33	1989	Power Pole - BARCRN	26/41.87	82/22.47	14108.6	44124.5	46		6.40	Concrete Rubble, Power Poles, 65' steel ship, Cement Mixers
34	1984	Bokeelia Reef	26/42.15 C	82/09.083 C	In The	Bay	10	4	0.50	400 cu. yds. Concrete Culvert, Rubble
35	1987	Boxcar Reef	26/42.00	82/36.00	14082.6	44239.6	72	10	18.00	48 Steel Boxcars, Concrete Culvert
36		Danger Reef*	26/45.55	82/11.18						Wreck
37	1989	Mary's Reef	26/46.10	82/18.30	14128.4	44115.0	32		2.90	Concrete Rubble

### CHARLOTTE

38	1995	Cape Haze Reef	25/45.63	82/09.72	14144.7	44039.7	20	9		21 Steel and Concrete Modules
39	UNKN	Aaron Hendry Reef	26/39.00 C	82/36.00 C	UNKN					Unconfirmed, Unknown if Built
40	1987	Charlotte Harbor Reef	26/49.887	82/05.543	14162.8	44024.7	12		1.50	Concrete Culvert, Catch Basins, Slab Material, Sewer Boxes
40	1983	Charlotte Harbor Reef	26/49.887	82/05.543	14162.8	44024.7	12		1.50	1100 Tons Concrete Bridge Rubble, Beams
40	1987	Charlotte Harbor Reef	26/49.887 C	82/05.543 C	14166.6-8	44031.4-7	8-11		1.50	1027 Tons Concrete Culvert, Slab Material
41	1992	Stump Pass 7 Mi. Reef	26/52.102	82/26.484	14126.3	44209.7	43		7.10	Concrete Culverts, Concrete Boxes
41	1992	Stump Pass 7 Mi. Reef	26/52.102 C	82/26.484 C	14126.3	44209.7	43		7.10	Concrete Culverts
41	1992	Stump Pass 7 Mi. Reef	26/52.210	82/26.510	14126.3	44209.7	43		7.10	Concrete Culverts
42	1987	Desmond Reef Site	26/53.70 C	82/29.50 C	14119.1	44228.0	50		8.00	Fiberglass Boat Molds, Concrete Beams
42	1960	Englewood Fish Haven	26/54.70 C	82/21.75 C	14141.4	44183.2	22		0.40	Bridge Rubble
42	1960	Englewood Fish Haven	26/54.70 C	82/21.75 C	14122.1	44183.2	22		0.40	Bridge Rubble

43 1970 Hog Is. Fish Haven

26/54.75 C

82/07.617 C

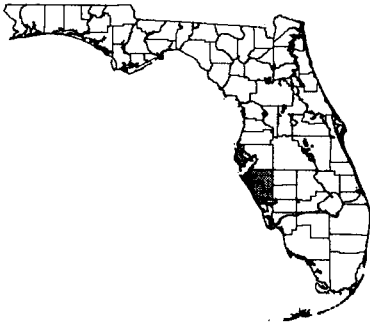
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44064.9

6-8

1.25

Tires



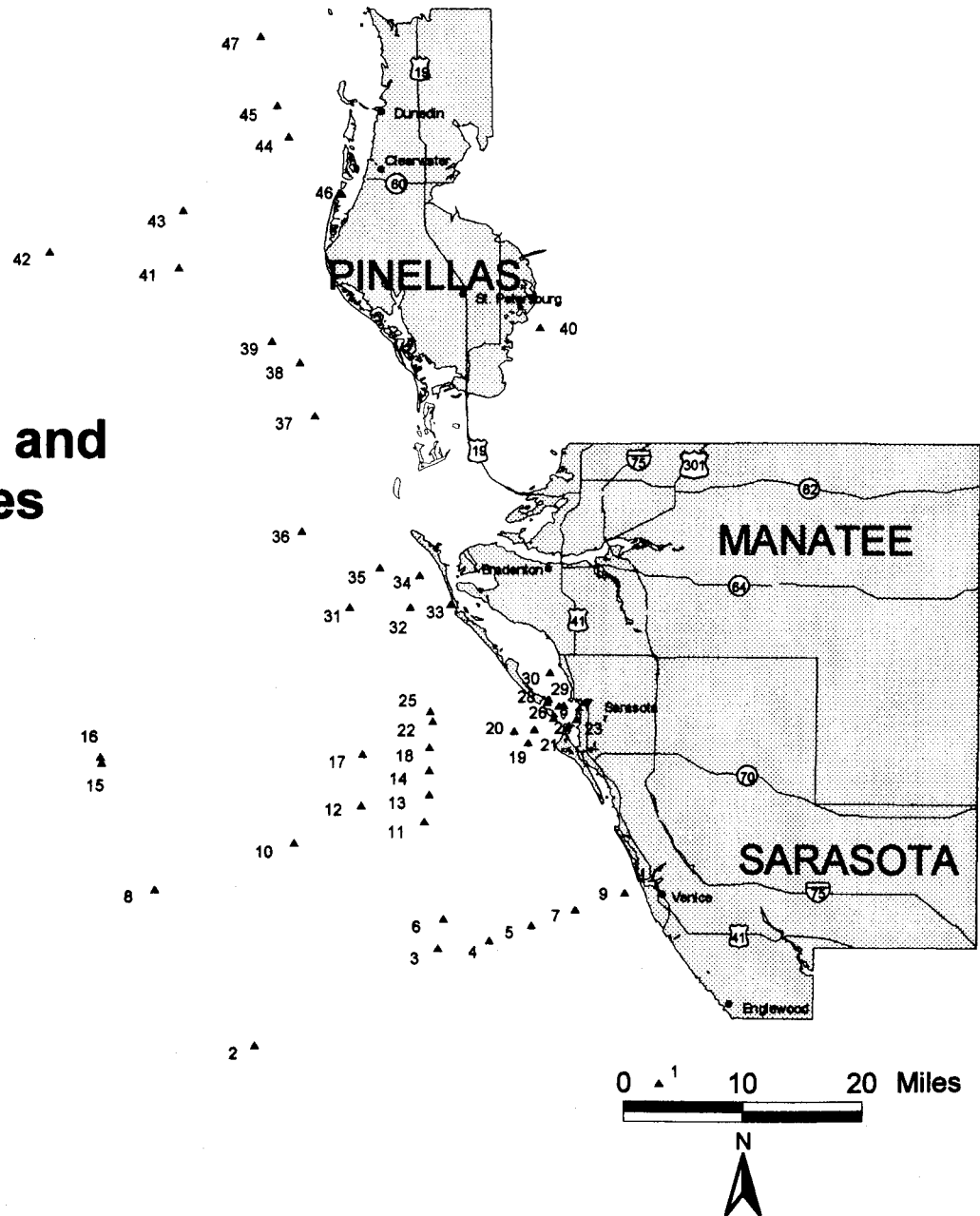
## Map 8: Sarasota, Manatee and Pinellas Counties

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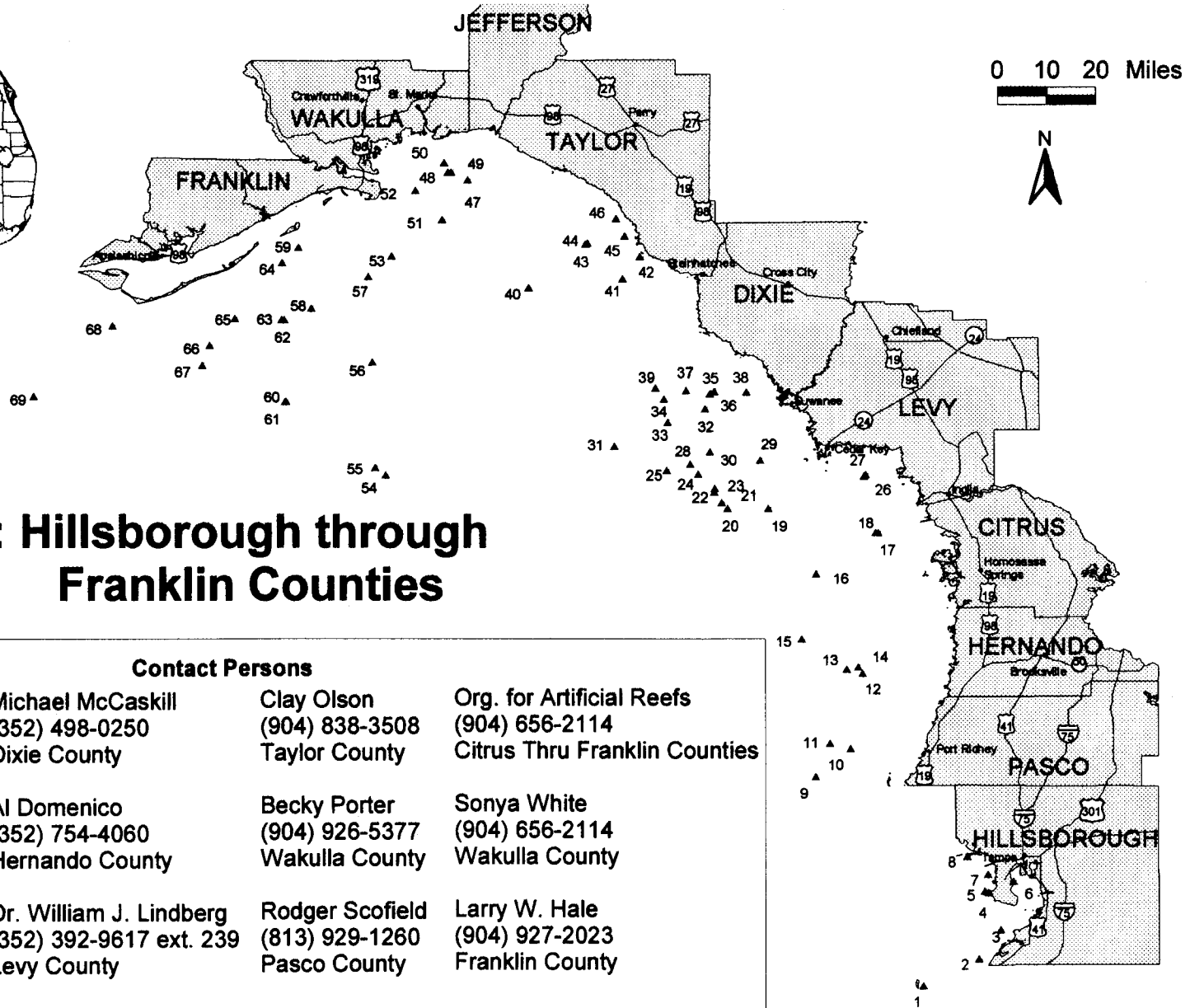
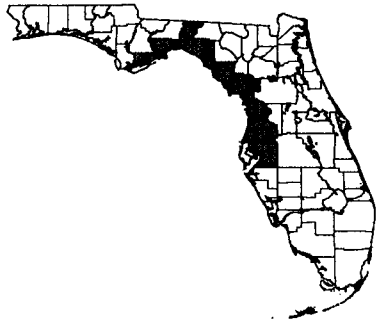
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Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>SARASOTA</b>										
1	1992	M14 Reef	26/51.86 C	82/26.54 C	14126.3	44209.7	43		5.7	Concrete Rubble
2	1988	D9 Reef	26/54.33 C	82/56.02 C	14066.1	44459.5	100	20	28.2	Steel Crane Barge, Fiberglass Boats
3	1988	M10 Reef	27/01.65	82/42.68	14114.7	44390.9	65		13.8	100' Steel Barge
3	1988	M10 Reef	27/01.65 C	82/42.68 C	14114.8	44391.5	65	20	17	Sailboat, Fiberglass Boats & Molds
4	1995	M17 Reef	27/02.27 C	82/38.96 C	14124.5	44364.6	63		10.5	200 Reef Balls
5	1994	M16 Reef	27/03.44 C	82/35.88 C	14134.1	44345.1	49	15	7.4	Concrete Culverts & Catch Basins
6	1995	M9 Reef	27/03.83 C	82/42.27 C	14121.0	44400.0	61	11	12.9	5 M60 Army Tanks
6	1991	M9 Reef	27/04.046	82/42.198	14121.0	44399.9	61		12.9	Concrete Rubble and Rock
7	1991	M15 Reef	27/04.63 C	82/32.69 C	14143.6	44325.8	38		4.4	Concrete Culverts, Mixing Drums, Steel Drying Racks
8	1990	D6 Reef	27/05.84 C	83/03.36 C	14076.8	44579.7	110	25	25.2	Fiberglass Boats & Boat Molds
9	1987	I4 Reef	27/05.91 C	82/29.06 C	14154.2	44302.6	25	10	0.8	Concrete Rubble, Venice Bridge & Fishing Pier
10	1938	MD1 Reef	27/09.35 C	82/53.20 C	14108.9	44518.8	80		21.6	Barge & Concrete Hopper
11	1988	M6 Reef	27/10.98 C	82/43.71 C	14135.4	44451.7	55	20	10.2	Fiberglass Boats, Concrete Culverts & Mixer Drums
12	1988	M8 Reef	27/12.13	82/48.28	14128.2	44495.6	65	20	12.8	10 Steel Boxcars
12	1985	M8 Reef	27/12.13	82/48.28	14128.1	44495.5	65		12.8	Steel Landing Craft
12	1995	M8 Reef	27/12.13 C	82/48.28 C	14128.2	44495.6	65		12.8	Steel Landing Craft
13	1994	M5 Reef	27/12.98 C	82/43.37 C	14141.4	44460.5	43		8.9	Concrete Culverts
14	1991	M4 Reef	27/14.79 C	82/43.33 C	14145.7	44470.7	42		7.6	Concrete Rubble
15	1988	D4 Reef	27/15.12 C	83/07.27 C	14090.9	44664.6	103	25	28	10 Steel CSX Boxcars
16	1988	D3 Reef	27/15.59	83/07.36	14091.9	44668.1	105	20	27.5	Steel CSX Boxcars
16	1988	D3 Reef	27/15.59 C	83/07.36 C	14091.7	44668.4	105	20	35	Steel CSX Boxcars
17	1988	M7 (Senator Bob Johnson) Reef	27/15.92 C	82/48.20 C	14137.8	44517.1	50	20	11.25	Boxcars, Concrete Culverts
18	1990	M3 Reef	27/16.44 C	82/43.33 C	14149.8	44480.5	43	15	6.9	Concrete Culverts, Boxes & Mixer Drums
19	1980	Lynn Silvertooth (I1)	27/16.84 C	82/36.14 C	14166.1	44423.6	30	12	2.70	Concrete Piles, Boxes & Rubble
20	1982	Alan E. Fisher (I2)	27/17.72 C	82/37.17 C	14166.1	44437.4	30	10	2.00	New Pass Bridge Material, Concrete Rubble & Piles
21	1982	Donald Roehr (I3)	27/17.84 C	82/35.68 C	14169.5	44425.8	22	10	2.00	Orange Ave. Bridge, Concrete Pilings & Abutments
22	1990	M2 Reef	27/18.38 C	82/43.13 C	14155.1	44490.4	42	12	6.3	Concrete Culverts, Boxes & Mixer Drums
23	1989	Rose Coker (Site 8)	27/18.61 C	82/32.61 C	14176.9	44404.0	7		.50	Concrete, FPL Insulators
24	1989	Bully Powers (Site 7)	27/18.686 C	82/34.318 C	14173.7	44418.8	12	4	.01	Concrete Blocks
25	1993	M1 Reef	27/19.043	82/43.295	14155.7	44495.1	42	5	6.6	Concrete Culverts & Catch Basins
25	1987	M1 Reef	27/19.073 C	82/43.284 C	14155.8	44495.2	42	15	6.6	120' Steel Barge, Fiberglass Boats (20'-25')
26	1989	Pop Jantzen (Site 5)	27/19.584 C	82/33.934 C	14176.7	44421.0	7		.01	861 Cu. Yards Concrete Block
27	1989	Jim Evans (Site 6)	27/19.626 C	82/33.543 C	14177.6	44418.0	10	4	.01	Concrete Blocks, FPL Insulators
28	1989	Site 4 (L.D.'Dan' Byrd Site)	27/19.816 C	82/34.783 C	14175.4	44429.5	7		.01	Concrete, FPL Insulators

Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>SARASOTA</b>										
29	1989	O.D. Miller (Site 3)	27/20.075 C	82/34.671 C	14176.5	44430.0	9-21	4	.01	Concrete, FPL Insulators
30	1989	Deamus Hart (Site 2)	27/22.015 C	82/34.574 C	14181.4	44441.1	10	4	0.50	Concrete Blocks, FPL Insulators
<b>MANATEE</b>										
31	1976	Reef 'C' 7 Mile	27/26.703 C	82/49.165 C	14162.4	44590.5	40		7.00	Tires, Concrete Culverts, Rubble, Tiles
32	1976	Reef 'D' 3 Mile	27/26.753 C	82/44.785 C	14172.0	44555.0	25		3.00	525 Tons Concrete Culverts & Rubble, Tiles
33	1993	Near Shore Reef	27/26.94 C	82/41.85 C	14178.0	44533.2	16	1-8	.50	Skyway Bridge Material
34	1976	One Mile Reef	27/29.059 C	82/44.119 C	14179.3	44564.2	21-22	1-12	1.00	Skyway Bridge Material, Barge, Tires, Metal Pipe
34	1992	One Mile Reef	27/29.390	82/44.050	14179.3	44564.2	27		3.0	1000 Tons Concrete Culvert
35	1976	Reef 'B' 3 Mile	27/29.57 C	82/47.00 C	14175.8	44594.0	30		3.50	Tires, Concrete Rubble, Tiles
36	1976	Reef 'A' 7 Mile	27/32.216 C	82/52.70 C	14169.0	44655.0	40		7.00	Tires, Concrete Rubble
<b>PINELLAS</b>										
37	1975	St. Petersburg Beach Reef	27/40.60 C	82/51.75 C	14192.9	44694.1	34-36	15	6.30	Concrete Bridge Rubble, 200' Barge, 10 M60 Army Tanks
38	1975	Treasure Island Reef	27/44.50 C	82/52.85 C	14200.8	44738.7	29-33	15	5.80	Concrete Pyramids, Walls, Culvert
39	1975	Madeira Beach Reef	27/46.03 C	82/54.90 C	14201.0	44768.0	30-33	13	5.70	Concrete Pyramids, Culverts, Rubble
40	1975	St. Petersburg Reef	27/47.10 C	82/35.366 C	14242.6	44615.6	34-36		1.00	Bridge Rubble, Concrete Dolphins, Boat
41	1975	Indian Shores Reef	27/51.40 C	83/01.75 C	14200.0	44859.7	44-46	20	9.30	Two LSM's, Salt Hopper Barge
42	1975	Pinellas II Reef	27/52.56 C	83/11.18 C	14181.6	44943.3	80		12.80	Tires, 250' Steel Barge, Tug 'D.T. SHERIDAN'
42	1982	Pinellas II Reef	27/52.57	83/11.28	14181.6	44943.3	80	30	20	180' Coast Guard Cutter 'BLACKTHORN', Tug 'SHERIDAN'
43	1988	Rube Allyn Reef (Pinellas 1)	27/55.194	83/01.586	14211.2	44884.6	50		9.20	Concrete Culverts and Concrete Pilings
43	1990	Rube Allyn Reef	27/55.540	83/01.450	14212.4	44885.9	50		9.20	Concrete Culverts
43	1990	Rube Allyn Reef	27/55.550 C	83/01.440 C	14512.4	44885.8	50		9.20	Concrete Culverts
43	1990	Rube Allyn Reef (Pinellas 1)	27/55.560	83/01.450	14212.4	44885.9	50		9.20	Concrete Culverts
43	1990	Rube Allyn Reef (Pinellas 1)	27/55.560	83/01.450	14212.4	44886.0	50		9.20	Concrete Culverts
43	1975	Rube Allyn Reef (Pinellas 1)	27/55.60 C	83/01.40 C	14212.3	44886.6	50	23	9.20	Barge, 2 Steel Vessels, Japanese Fish Attractor
44	1974	Clearwater Reef	28/00.95 C	82/53.70 C	14243.5	44859.4	27-29	13	3.30	Concrete Pyramids, Airplane, Concrete Ledge
45	1975	Dunedin Reef	28/03.20 C	82/54.55 C	14248.1	44887.6	25-30	12	4.40	Concrete Pyramids, Culverts
45	1990	Dunedin Reef	28/03.420	82/54.650	14248.4	44888.8	25-30		4.40	Concrete Rubble
45	1990	Dunedin Reef	28/03.420	82/54.670	14248.4	44888.8	25-30		4.40	Concrete Rubble
46	1986	Pier 60 Fishing Reef	27/58.38 C	82/49.50 C	14245.0	44916.0	5-12		0.01	481 Tons Concrete Pipe Around Pier
47	1987	Tarpon Springs Reef	28/08.25 C	82/55.81 C	14259.3	44935.6	26-28	10	7.20	Cement Pyramids, Culverts





**Map 9: Hillsborough through Franklin Counties**

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Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>HILLSBOROUGH</b>										
1	UNKN	Egmont Key Reef	27/35.00	82/44.60	14193.5	44608	17-23		0.8	No Material as of Press Time
2	1990	Port Manatee Reef	27/39.68	82/34.87	14225	44557.4	19-21	13	0.7	400 yds. x 400 yds. - Concrete Bridge Decking, Pilings, Rubble
3	1987	Bahia Beach Reef	27/44.85	82/31.00	14245.4	44560.2	18-24	14	1.8	200 yds. x 400 yds. - Concrete Pilings, Rubble, Slabs & Culverts
4	1991	Picnic Island Pier Reef	27/51.390	82/33.200	14257.9	44648.5	16-18	8	0.09	Concrete, Pyramid Modules, Silted Over
5	1987	Port Tampa Reef	27/51.65	82/33.84	14257.5	44632.3	24	10-12	0.6	Four Steel Barges, Concrete Pilings, Bridge Beams, Slabs
6	1987	Ballast Point Pier Reef	27/53.36 C	82/28.80 C	In Tampa	Bay	8	8	0.01	Concrete Pilings, Slabs & Pipe, Benches
7	1991	Howard Frankland Reef	27/54.63	82/33.23	14266.2	44648.5	16	8	1	400 yds. x 200 yds. - Concrete Pilings, Bridge Supports, Rubble
8	1991	Courtney Campbell Reef	27/57.75	82/36.86	14267.6	44701.9	16	8	0.4	400 yds. x 200 yds. - Concrete Pilings
<b>PASCO</b>										
9	1994	Pasco Reef No. 3	28/11.5	83/03.56	14249.4	45022.6	40	8	15	2 PVC Modules
10	1980	Pasco Reef No. 1	28/16.75	82/57.45	14275.5	44999.8	25	8	9	Concrete Rubble, 4 Barges, 4 Hulls, Steel Tank
11	1980	Pasco Reef No. 2	28/17.63	83/01.09	14274.9	45048.6	40	18	13.2	200' Barge, Concrete Pipes, 10 M60 Tanks
<b>HERNANDO</b>										
12	1995	Reef Ball Reef	28/30.016 C	82/58.70 C	14327	45131	25		14	Concrete Reef Balls
13	1989	Richardson Reef	28/30.75 C	82/55.33 C	14325.8	45109.5	15-20		10.25	Concrete Rubble From Sunshine Skyway Bridge
14	1995	Bendickson Reef	28/31.118 C	82/58.115 C	14319	45140	26	10	14	10 M60 Army Tanks
15	1990	Champion Reef	28/36.07	82/56.06	14337	45160	20		15.2	Concrete Culverts and Steel Barge
15	1991	Champion Reef	28/36.07 C	82/56.06 C	14336.9	45160.4	20		15.2	956 Cu. Yards Concrete Culverts
<b>CITRUS</b>										
16	1985-9	Citrus Fish Haven 1	28/47.477	83/03.480	14356.2	45305.5	30			Boat Molds, Bridge Rubble and Concrete Pipes
17	1995	Citrus Fish Haven 2 - Big Bend Reef	28/54.9	82/52.3	14396.2	45278.1	23	3	6.59	96 Concrete Modules
18	1995	Citrus Co. Big Bend Reef #3	28/55.3	82/52.5	14395.6	45281.5	26	3		96 Prefab Cubes
<b>LEVY</b>										
19	1989	Cedar Key Reef #2 (Patch 1)	28/59.013	83/11.817	14375.2	45466.9	26			Four patches of
19	1988	Cedar Key Reef #2 (Patch 2)	28/58.973	83/11.852	14375.1	45467	26			concrete culverts,
19	1988	Cedar Key Reef #2 (Patch 3)	28/58.950	83/11.880	14375.3	45467.4	26			concrete rubble, man hole covers,
19	1988	Cedar Key Reef #2 (Patch 4)	28/58.93	83/11.910	14375.4	45466.4	26			boulders, and slabs
20	1993	Suwannee Regional Reef A	28/59.062	83/19.063	14362.7	45525.4	40	3		Center of 6 patches, 16 cement cubes per patch



Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>LEVY</b>										
21	1990	Suwannee Regional Reef B	28/59.997	83/20.060	14363.8	45539.9	40	3		Center of 6 patches, 4 cement cubes per patch
22	1990	Suwannee Regional Reef C	29/01.897	83/21.419	14367.25	45566.2	40	3		Center of 6 patches, 16 cement cubes per patch
23	1992	Suwannee Regional Reef D	29/02.558	83/21.245	14369.6	45570.4	40	3		Center of 6 patches, 4 cement cubes per patch
24	1990	Suwannee Regional Reef E	29/05.073	83/24.188	14372	45614.4	40	3		Center of 6 patches, 4 cement cubes per patch
25	1992	Suwannee Regional Reef F	29/05.763	83/29.774	14373.15	45624.6	40	3		Center of 6 patches, 16 cement cubes per patch
26	1995	Levy Co. Big Bend Reef #2	29/04.629 C	82/54.977 C	14417.6	45378.2	18	3		Center of 6 patches, 16 concrete cubes per patch
27	1995	Levy Co. Big Bend Reef #1	29/04.930 C	82/54.681 C	14418.8	45378.6	21	3		Center of 6 patches, 4 concrete cubes per patch
28	1989	Cedar Key Reef #3 (Patch 1)	29/06.852	83/25.656	14374.9	45640.7	40	3		Concrete Culverts
28	1989	Cedar Key Reef #3 (Patch 2)	29/06.862	83/25.735	14374.8	45641.2	40	3		Concrete Culverts
28	1989	Cedar Key Reef #3 (Patch 3)	29/06.852	83/25.682	14375	45641.3	40	3		Concrete Culverts
28	1989	Cedar Key Reef #3 (Line 1, NE end)	29/06.687	83/25.57	14375.1	45639.9	40	3		Concrete Culverts
28	1989	Cedar Key Reef #3 (Line 1, SW end)	29/06.820	83/25.59	14374.9	45639.6	40	3		Line runs 20 - 200 degrees
28	1989	Cedar Key Reef #3 (Line 2, NE end)	29/06.920	83/25.50	14375.4	45639.8	40	3		Concrete Culverts
28	1989	Cedar Key Reef #3 (Line 2, SW end)	29/06.850	83/25.53	14375.1	45639.4	40	3		Line runs 20 - 200 degrees
28	1989	Cedar Key Reef #3 (Line 3, NE end)	29/06.940	83/25.46	14375.6	45639.6	40	3		Concrete Culverts
28	1989	Cedar Key Reef #3 (Line 3, SW end)	29/06.870	83/25.50	14375.3	45639.4	40	3		Line runs 20 - 200 degrees
29	1985	Coal Ash Reef(FL Power Co.)	29/07.266 C	83/12.30 C	14401	45535.1	25	3	9.3	Coal Ash Concrete Blocks
29	1985	Cedar Key Reef #1 (Patch 1)	29/07.637	83/13.236	14398.3	45548.2	23	3	9	Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 2)	29/07.594	83/13.327	14398.5	45550	23	3		Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 3)	29/07.57	83/13.38	14398.4	45549.5	23	3		Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 4)	29/07.64	83/13.36	14398.6	45549.9	23	3		Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 5)	29/07.64	83/13.38	14398.6	45550.1	23	3		Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 6)	29/07.65	83/13.26	14398.8	45549.2	23	3		Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 7)	29/07.60	83/13.24	14398.7	45548.7	23	3		Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 8)	29/07.61	83/13.19	14398.8	45548.3	23	3		Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 9)	29/07.63	83/13.18	14398.9	45548.4	23	3		Concrete Culverts,
29	1985	Cedar Key Reef #1 (Patch 10)	29/07.66	83/13.22	14398.9	45548.9	23	3		Concrete Culverts,
30	UNKN	Cedar Key Reef #4	29/08.966 C	83/22.083 C	14388	45630	26		6.9	No Material at Press Time
31	1991	White City Bridge Reef	29/09.998 C	83/38.995 C	14359.1	45770.2	55	9		Steel & Concrete Bridge Rubble
32	1989	Betty Castor Reef	29/16.50 C	83/23.00 C	14410.4	45699.9	22	4		High School Project, Modules of Concrete/Poly Drums, Unconfirmed

**DIXIE**

33	1991	Suwannee Regional Reef G	29/15.149	83/29.604	14393.95	45740.7	40	3		Center of 6 patches, 4 cement cubes per patch
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34	1992	Suwannee Regional Reef H	29/18.313	83/30.162	14403.2	45771.7	40	3		Center of 6 patches, 16 cement cubes per patch
35	1995	Dixie Co. Big Bend Reefs	29/19.78	83/21.28	14422	45714	18		10	120 Prefab Cubes
36	1995	Horseshoe Reef - Reef Balls	29/19.87	83/26.15	14414.9	45752.5	23			Concrete Reef Balls
37	1993	Horseshoe Reef	29/19.90	83/26.08	14414.2	45753.1	25		12	Concrete Culverts, Modules, Reef Balls, Rubble
38	1964	Fish Haven, NW Red Banks Reef	29/19.46 C	83/15.70 C	14428.3	45668.1	13		5	Car Bodies, Refrigerators, Scrap Metal
39	1991	Suwannee Regional Reef I	29/20.867	83/31.703	14408.65	45805.15	40	3		Center of 6 patches, 16 cement cubes per patch

### TAYLOR

40	1996	Buckeye Reef	29/38.76	83/54.44 C	14429.1	46133.2	48	12	17.6	106,870 lbs. Culverts, Boiler Parts - To Be Deployed in 6/96
41	1965	Steinhatchee Reef	29/39.48	83/37.49	14460.6	46011.6	20		11	Metal & Concrete
41	1992	Steinhatchee Reef	29/40.005	83/37.602	14459.9	46011.2	22	5	9	Concrete Culverts, Mixed Metal & Boiler Parts
41	1993	Steinhatchee Reef	29/40.017	83/37.426	14460.2	46009.9	22	5	9	Concrete Culverts & Mixed Metal
41	1990	Steinhatchee Reef	29/40.018	83/37.564	14460	46011	22	5	9	Steel Scrap and Steel Boiler Parts
42	1993	Birdrack #3	29/43.438 C	83/34.373 C	14475.1	63249.9	5			Culverts Around Birdrack
43	1995	Scott Andree Artificial Reef #1	29/45.89	83/43.64	14469.3	46109.2	28	3	8.1	Prefab Concrete Cubes
44	1995	Scott Andree Artificial Reef #2	29/45.66	83/43.96	14470.3	46108.9	28	3	8.1	Prefab Concrete Cubes
45	1993	Birdrack #2	29/47.076 C	83/37.129 C	14482.5	63271.5	5			Culverts Around Birdrack
46	1993	Birdrack #1	29/50.091 C	83/38.642 C	14489.7	63283.4	4			Culverts Around Birdrack

### WAKULLA

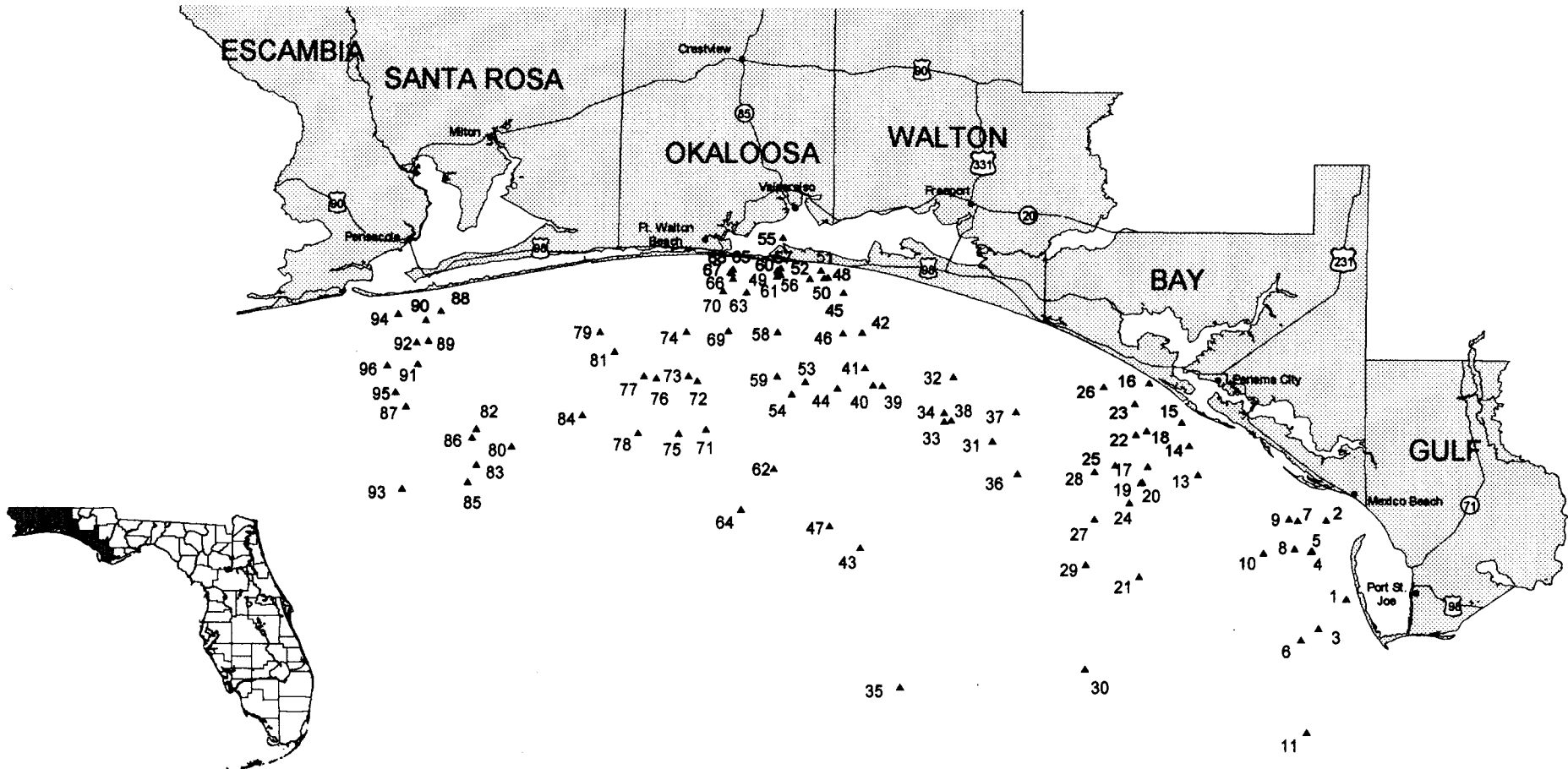
47	1996	Dog Ballard Reef	29/57.018 C	84/04.785 C	14475	46368.1	23			108 Concrete Cubes
47	1994	Dog Ballard Reef	29/57.518	84/04.440	14476.3	46369.1	27			253 Tons Concrete Culverts
48	1995	Wakulla Co. Big Bend Reef #2	29/58.419 C	84/08.164 C	14473.1	46405.6	22	3		16 Prefab Cubes
49	1995	Wakulla Co. Big Bend Reef #1	29/58.406 C	84/07.686 C	14473.9	46401.8	22	3		96 Prefab Cubes
50	1982	St. Marks Reef	30/00.120	84/08.89	14478.1	46426.3	20		5	Concrete culverts
50	1988	St. Marks Reef	30/00.120	84/08.89	14478	46426	20		5	Concrete Culverts
50	1964	St. Marks Reef	30/00.120	84/08.89	14478.3	46426.5	20		5	Concrete Rubble, Concrete filled Tires
50	1988	St. Marks Reef	30/00.120 C	84/08.89 C	14478.1	46426.1	20		5	Concrete Culverts
51	1986	Marker 24 Barge	29/50.056	84/09.269	14441.3	46346.1	35			60' Barge
52	1988	Ochlockonee Reef(Rotary)	29/55.090	84/13.954	14449.3	46421	21-30		9	Concrete Culverts
52	1964	Ochlockonee Reef(Rotary)	29/55.167	84/13.906	14449.7	46421.3	21-30		9	Concrete, Tires
52	1988	Ochlockonee Reef(Rotary)	29/55.177 C	84/13.827 C	14449.9	46420.8	25	10	9	DC-3 Fuselage(10' x 60') With Concrete Culverts & Rubble
52	1988	Ochlockonee Reef(Rotary)	29/55.201	84/13.826	14450.3	46421	21-30		9	Concrete Culverts
52	1988	Ochlockonee Reef(Rotary)	29/55.201	84/13.826	14449.2	46421	30		9	Concrete Culverts
52	1988	Ochlockonee Reef(Rotary)	29/55.205	84/13.928	14449.8	46421.8	21-30		9	Concrete Culverts
53	1989	Wakulla-OAR Reef	29/43.609 C	84/18.031 C	14394.6	46350	65	7	12	Concrete Culverts, Steel Mixing Drums
53	1990	Wakulla-OAR Reef	29/43.679	84/18.492	14393.6	46353.8	65	10	11	Bridge Rubble, 34 Fiberglass Boat Molds

53	1990	Wakulla-OAR Reef	29/43.926	84/17.142	14397.5	46346.4	65			417 Cubic Yards Concrete Culverts and Cement Mixers
53	1993	Wakulla-OAR Reef	29/44.043	84/17.333	14397.5	46348.8	56			Concrete Culverts and Tanks, Misc. Concrete
54	1994	SM1 Tower	29/04.951	84/19.160	14235.8	46017.8	96			Navigation Tower
55	1977	Pirate's Lady*	29/06.308	84/21.064	14234.9	46042.3	95			72' Aluminum Yacht

### FRANKLIN

56	UNKN	V Tower	29/24.93	84/20.06	14310.4	46202.9	70		15	Barge, Concrete
57	1981	K Tower	29/39.96	84/22.15	14368	46346.6	60		13	Barge, Concrete
58	1993	Yamaha Reef	29/34.425 C	84/32.237 C	14313.7	46364.7	85	10		195' Steel Barge
58	1995	Yamaha Reef	29/34.450	84/32.260	14313.6	46364.8	85	12		306 Tons Concrete Pilings, Culverts
59	1992-9	Carrabelle 3 Mi. Reef	29/45.102 C	84/34.416 C	14353.4	46475.7	39	10	5	618 Tons Concrete Culverts, Slab
60	1980	S Tower	29/17.960 C	84/36.665 C	14227.8	46245.3	105		35	Barge, Concrete
61	1979	Exxon Reef	29/17.953 C	84/36.899 C	14226.9	46246.7	105		35	Obsolete Oil Rig (dismantled)
62	1981	O Tower	29/32.351 C	84/36.945 C	14288.5	46376.1	70		13	Barge, Concrete
63	1985	Miss Jem	29/32.003 C	84/37.192 C	14286.1	46374.5	70		13	50' Steel vessel 'MISS JEM'
63	1982	Carrabelle Reef	29/32.116 C	84/37.077 C	14287	46374.8	70		13	Barge, Metal
63	1982	Carrabelle Reef	29/32.387 C	84/37.466 C	14286.8	46379.7	70		13	Concrete Rubble, Gas Storage Tanks
64	1992	One More Time Wreck*	29/42.383	84/37.388	14331.4	46470.1	36			75' Steel Shrimper
65	1988	Franklin Co. Reef	29/32.496 C	84/45.761 C	14256	46431.3	75		10	Apalachicola Bay Bridge Material
66	1988	Apalachicola Reef	29/27.784	84/50.143	14217	46414	78		10	Apalachicola River Bridge Material
67	1973	C Tower	29/24.23 C	84/51.46 C	14198.2	46393.7	85			Barge, Concrete
68	1965	L Buoy Reef	29/31.116 C	85/07.35 C	14153.9	46536.3	45		6.5	Concrete Rubble
69	1942	Empire Mica*	29/18.727 C	85/21.189 C	14023.4	46489.6	110	60	28	465' British tanker sunk in WW II, 'EMPIRE MICA'





**Map 10: Gulf through Escambia Counties**

**Contact Persons**

Mark Thornton (904) 479-0923 Escambia County	David Kessler (813) 378-6113 Santa Rosa County	Malcolm Patterson (904) 267-1216 Walton County	Charles Gonzalez (904) 784-4024 Bay County
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Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>GULF</b>										
1	1989	Barrier Dune Barge	29/45.058 C	85/25.544 C	14114.2	46741.8	35	8	1.00	200' Barge
2	1942	Lumber Ship*	29/53.939 C	85/27.808 C	14142.9	46830.5	25	14	1.50	Metal Ship, Framework
3	1968	Capt. Kato*	29/41.670	85/28.673	14080.0	46723.0	65			65' Fiberglass Shrimp Boat
4	1964	Port St. Joe C of C Reef	29/50.40 C	85/29.5 C	14111.6	46802.0	40		4.40	Concrete Rubble, Prefab Concrete
5	1987	Jaycee Reef	29/50.431 C	85/29.420 C	14115.7	46804.1	45	10	4.5	Concrete Rubble, Auto Frames, Steel Containers
6	1963	LST-Port St. Joe	29/40.422	85/30.631	14601.9	46719.0	90			75' Steel LST Ship
7	1932	Kaiser*	29/53.866 C	85/31.022 C	14121.4	46840.6	42	10	3.00	Wood Tug 'KAISER', Steel Remains
8	1993	Virginia Reef	29/50.702 C	85/31.392 C	14104.1	46813.4	70			Bridge Rubble, Steel Hoppers Concrete Boxes
8	1991	Virginia Reef	29/50.839	85/31.504	14104.0	46815.0	65			4 Boat Hulls, Metal Crates, Concrete Rubble
9	1988	Mexico Beach Site - Bridge Trusses	29/54.066 C	85/32.00 C	14003.8	46790.3	103	36		Concrete Bridge Trusses
9	1988	Mexico Beach Site	29/54/066 C	85/32.00 C	14112.6	46841.1	60			Concrete Bridge Decks, 3 Spans
9	1979	Mexico Beach Site	29/54.066 C	85/32.00 C	14116.6	46845.5	54		3.00	Scrap Metal, Tires
9	1988	Mexico Beach Site - Boxcars	29/54.066 C	85/32.00 C	14116.6	46845.5	55	10	3.00	Railroad Cars
9	1988	Mexico Beach Site - Boxcars	29/54.066 C	85/32.00 C	14116.5	46845.6	55	10	3.00	Boxcars
10	1988	Gatewood Barge Reef	29/50.23 C	85/34.86 C	14071.0	46823.0	80	8	12.00	70' Barge, Steel Tanks, Tires, Railroad Car
<b>BAY</b>										
11	UNKN	Brahier Site	29/30.00 C	85/30.00 C	13918.2	46909.1	120		22.00	Fiberglass Boat Hulls, Tires, Unconfirmed
12	UNKN	Wright Site	29/05.50 C	85/31/30 C	13910.0	46421.0				Autos, Tires, Unconfirmed
13	1977	Liberty Ship	29/59.05	85/42.32	14065.1	46918.6	72	15	8.00	Liberty ship, 'BENJAMIN H. GRIERSON'
14	1988	Midway Site	30/02.38 C	85/43.30 C	14070.6	46953.1	72	36	4.50	Concrete Bridge Trusses
14	1988	Strength	30/02.38 C	85/43.30 C	14076.5	46944.3	75		4.50	Minesweeper Tender 'STRENGTH', Boxcars
14	1988	Midway Site	30/02.38 C	85/43.30 C	14072.4	46949.6	72	10	4.50	Boxcars
14	1988	Midway Site	30/02.38 C	85/43.30 C	14068.8	46949.0	70	36	4.50	Concrete Bridge Trusses
14	1979	Midway Site	30/02.38 C	85/43.30 C	14072.6	46949.6	71		5.00	Scrap Steel, Tires, Concrete Rubble
14	1988	Midway Site	30/02.38 C	85/43.30 C	14074.5	46946.5	72	36	4.50	Concrete Bridge Trusses
15	1978	LOSS Pontoon Site	30/05.00 C	85/44.116 C	14078.5	46973.8	65		2.00	Tires, Scrap Steel, Concrete Rubble
15	1988	LOSS Pontoon Site	30/05.23	85/44.116 C	14078.5	46973.8	45	6	2.00	Concrete Bridge Deck Spans (4)
15	1990	B & B Barge	30/05.00 C	85/44.116 C	14087.3	46970.7	42	6	2.50	Barge

Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>BAY</b>										
16	1950s	Longbeach Barge*	30/09.43 C	85/47.816 C	14067.4	47018.3	45			Barge Wreck
17	1988	Stage I West	30/00.00 C	85/48.00 C	13952.7	46969.6	115	36	9.00	Concrete Bridge Trusses
17	1988	Stage I West	30/00.00 C	85/48.00 C	13949.8	46950.0	115	36	9.00	Concrete Bridge Trusses
17	1988	Stage I West	30/00.00 C	85/48.00 C	13955.4	46961.0	115	36	9.00	Concrete Bridge Trusses
17	1990	Chippewa	30/00.00 C	85/48.00 C	14012.3	46921.2	96		9.00	210 ft. Tugboat 'CHIPPEWA'
17	1979	Stage I Site	30/00.00 C	85/48.00 C	14011.3	46925.5	100		9.00	Concrete Rubble
17	1987	Raffield's Reef	30/00.00 C	85/48.00 C	14000.0	46900.0	110			Fiberglass Boat Parts, Tires, Steel
17	1988	Stage I East	30/00.00 C	85/48.00 C	14011.5	46925.5	95	10	9.00	Boxcars
17	1988	Stage I East	30/00.00 C	85/48.00 C	13995.2	46923.3	105	36	9.00	Concrete Bridge Trusses
18	1988	Warsaw Site	30/04.00 C	85/48.116 C	14031.8	46977.0	75	6	4.50	Concrete Bridge Deck Spans (3)
18	1978	Warsaw Site	30/04.00 C	85/48.116 C	14036.8	46977.2	80		4.50	Concrete Rubble
18	1988	Warsaw Site	30/04.00 C	85/48.116 C	14037.2	46977.4	75	36	4.50	Concrete Bridge Trusses
19	UNKN	William Dicks Site	29/58.216 C	85/48.65 C	14013.0	46926.0	100			Fiberglass Boat Hulls, Scrap Steel
20	1988	Stage I West	29/58.116 C	85/48.81 C	13953.8	46955.8	115	36	9.00	Concrete Bridge Trusses
20	UNKN	Pitts Site	29/58.116 C	85/48.81 C	14011.3	46925.5	90		12.00	Tire Grids
20	1988	Stage I East	29/58.116 C	85/48.81 C	14002.1	46910.2	96	6	9.00	Concrete Bridge Deck Spans
20	1988	Stage I East	29/58.116 C	85/48.81 C	14002.4	46914.3	105	36	9.00	Concrete Bridge Trusses
20	1988	Stage I East	29/58.116 C	85/48.81 C	13997.9	46915.8	105	36	9.00	Concrete Bridge Trusses
21	UNKN	J.R. Fuller Site	29/47.50 C	85/49.00 C	13961.0	46842.0	110		20.00	Autos, Tires, Appliances, Concrete Rubble
22	1993	Highway 79 Bridge	30/03.718	85/49.306	14031.0	46973.4	74	15		400 Cubic Yards of Concrete Bridge Spans
22	1993	Black Bart	30/03.607	85/49.372	14030.0	46972.6	79	25		180' Oil Supply Ship
22	1993	Highway 79 Bridge	30/03.567	85/49.388	14029.7	46977.3	74	15		400 Cubic Yards of Concrete Bridge Spans
23	1980	PCMI Barge Site	30/07.083 C	85/49.48 C	14043.3	47000.0	75		4.50	Barge, Steel Objects
24	1993	BJ Putnam Barge	29/55.828	85/50.093	13991.6	46909.1	103	25		174' Steel Ship 'BJ PUTMAN'
25	1994	Reef EX East Site	29/59.663	85/50.822	13999.6	46940.1	95	12		3 M60 Army Tanks
25	1994	Reef EX Center Site	30/00.105 C	85/51.701 C	13994.4	46945.5	95	12		5 M60 Army Tanks
25	1994	Reef EX West Site	30/00.533	85/52.416	13990.4	46950.4	95	12		5 M60 Army Tanks
26	1988	Fountainbleau Site	30/09.00 C	85/53.00 C	14019.3	47031.1	73	36		Concrete Bridge Trusses
26	1979	Fountainbleau Site	30/09.00 C	85/53.00 C	14019.8	47028.2	72			Concrete Rubble
26	1988	Fountainbleau Site	30/09.00 C	85/53.00 C	14020.1	47022.8	73	36		Concrete Bridge Trusses

26	1988	Fountainbleau Site	30/09.00 C	85/53.00 C	14019.8	47028.2	75	10		Boxcars
26	1988	Fountainbleau Site	30/09.00 C	85/53.00 C	14025.2	47030.3	68	6		Concrete Bridge Deck Spans (3)
27	UNKN	Charles Scott Site 2	29/54.00 C	85/54.00 C	13950.0	46910.0	110			Tire Modules
28	1993	Bay Co. Area A Reef	29/59.34 C	85/54.01 C	13975.0	46946.0	96	48	12.5	Misc. Scrap Metal Scatter Placement by Private Individuals
29	1993	Bay Co. Area B Reef	29/48.87	85/54.99	13925.0	46900.0	120	60	17.5	Misc. Scrap Metal Scatter Placement by Private Individuals
30	1987	T-Square Reef	29/37.083 C	85/55.083 C	13875.0	46770.3	132		23.00	Bundles of Tires
31	1978	Grey Ghost	30/02.81 C	86/05.53 C	13891.1	46991.7	105		21.00	Steel Tug, Tires
31	1987	Grey Ghost (Archer Reef)	30/02.81 C	86/05.53 C	13891.1	46991.7	105		19.00	Bundled Tires
31	1987	Grey Ghost (Blount Reef)	30/02.81 C	86/05.53 C	13890.0	46990.0	105		19.00	Fiberglass Boat Parts, Tires, Steel
32	UNKN	Defelix Site	30/10.00 C	86/10.00 C	13877.0	47050.0	110			10 Fiberglass Boat Hulls
33	UNKN	Lang Site	30/05.00 C	86/11.00 C	13891.1	46926.0	106			Washers & Dryers to Existing Wreck
34	UNKN	Charles Scott Site 1	30/06.00 C	86/11.00 C	13853.5	47022.0				Unknown Material
35	1987	Parnell Reef	29/35.00 C	86/16.00 C	13700.0	46800.0	384		15.00	Tires Bundles

### OKALOOSA

36	UNKN	Hilpert's Site 1	29/59.083 C	86/02.716 C	13902.5	46959.2	99			Unknown Material
37	UNKN	Hilpert's Site 2	30/06.083 C	86/02.91 C	13900.0	47017.0	97			Unknown Material
38	UNKN	Siedow's Site	30/05.116 C	86/10.216 C	13858.5	47014.0	106			Unknown Material
39	UNKN	Sublette Site 3	30/09.00 C	86/18.00 C	13800.0	47050.0	100		12.00	Tire Modules
40	UNKN	Landing Craft	30/09.066 C	86/19.066 C	13786.4	47054.6	102		12.40	LCM
41	UNKN	Harris Site	30/11.00 C	86/20.00 C	13785.0	47058.0				Boat Hulls, Appliances, Concrete, Fencing, Pipe
42	UNKN	Barnes Site 2	30/15.00 C	86/20.30 C	13800.0	47090.0				Unknown Material
43	UNKN	Pruett's Site	29/50.70 C	86/20.50 C						Unknown Materials
44	1994	Reef EX Site	30/08.525	86/21.465	13765.1	47048.0	110			1 M60 Army Tank
44	1994	Reef EX Site	30/08.417	86/22.335	13756.6	47047.8	110			1 M60 Army Tank
44	1994	Reef EX Site	30/08.688	86/23.097	13750.2	47050.1	110			1 M60 Army Tank
44	1994	Reef Ex Site	30/09.022	86/24.033	13742.3	47052.9	110			2 M60 Army Tank
45	1989	Shansky's Site 2	30/19.50 C	86/22.46 C	13783.4	47123.3				3 Steel Cages Filled with Tires, Concrete
46	UNKN	Seckman Site	30/14.90 C	86/22.48 C	13771.9	47089.4	90		8.00	19' Boat filled with Scrap Metal
47	UNKN	Hilpert's Site 3	29/53.15 C	86/24.03 C	UNKN					Unknown Material
48	1988	CSX Reef	30/21.174	86/24.201	13773.1	47131.9	69			4 Surplus Boxcars
49	1993	"C" Leg Reef	30/21.638	86/24.439	13771.9	47134.8	60			SE/NW Chain of Concrete Pyramids (13 Sites - 200' Apart)



Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>OKALOOSA</b>										
49	1993	"B" Leg Reef	30/21.314	86/24.600	13769.5	47132.8	60			East/West Chain of Concrete Pyramids (24 Sites - 200' Apart)
49	1993	"A" Leg Reef	30/21.801	86/29.897	13718.0	47136.0	60			East/West Chain of Concrete Pyramids (28 Sites - 200' Apart)
50	1990	Fish Haven #3	30/21.136	86/24.657	13768.5	47131.7	70			4 Steel Fuel Tanks
50	1990	Fish Haven #3	30/21.232	86/24.681	13768.5	47132.3	71			2 Fuel Steel Tanks
50	1990	Fish Haven #3	30/21.488	86/24.805	13767.9	47133.9	67			4 Steel Fuel Tanks
50	1990	Fish Haven #3	30/20.957	86/24.824	13766.4	47130.6	68			Steel Fuel Tanks
50	1990	Fish Haven #3	30/20.988	86/24.883	13765.9	47130.8	73			6 Steel Fuel Tanks
50	1990	Fish Haven #3	30/21.325	86/24.916	13766.4	47132.9	68			7 Steel Fuel Tanks
50	1990	Fish Haven #3	30/21.422	86/24.930	13766.5	47133.5	65			1 Steel Fuel Tank
50	1990	Fish Haven #3	30/21.277	86/24.935	13766.1	47132.6	69			6 Steel Fuel Tanks
50	1990	Fish Haven #3	30/21.406	86/24.946	13766.3	47134.4	66		1.50	4 Steel Fuel Tanks
50	1977	Fish Haven #3	30/22.00 C	86/25.00 C	13766.0	47135.0	65		1.20	Concrete Rubble, Tires, Appliances PVC Pipe Trees
51	1994	Reef Ex 3	30/21.321	86/25.299	13762.6	47132.9	66			2 M60 Army Tanks
52	UNKN	Dunbar Reef	30/21.016 C	86/26.28 C	13753.0	47131.9			3.00	Auto Bodies, Scrap Metal, Tires, Rubble
53	UNKN	Stelter's Site	30/09.40 C	86/26.80 C	13719.1	47058.3	105		13.00	Unknown Material
54	UNKN	Sublette Site 2	30/08.00 C	86/28.33 C	13700.0	45050.0	100		18.00	Tire Modules
55	1987	Chootawhatchee Bay Art. Reef	30/25.65 C	86/29.35 C	13717.4	47152.7	25	11	0.50	12 Prefab Plastic Resin Cones
56	1994	Reef Ex 4	30/21.502	86/29.608	13720.2	47134.2	65			1 M60 Army Tank
57	1995	Ten Fathom Reef	30/22.219 C	86/29.623 C	13723.0	47139.1	60	5	1.00	80 Concrete Pyramids
58	UNKN	Barnes Site 3	30/15.00 C	86/29.90 C	13720.0	477				Unknown Material
59	UNKN	Trammell Site 2	30/10.00 C	86/30.00 C	13688.5	47063.0	110		12.50	Unknown Material
60	1977	Site 2 (Bridge Rubble Reef)	30/22.00 C	86/30.00 C	13720.4	47131.0	73		1.90	Several Piles of Concrete Rubble
60	1977	Site 2 (Eglin Barge)	30/21.00 C	86/30.00 C	13720.9	47132.8	72		1.50	100' Barge
61	1988	CSX Reef	30/21.268	86/30.045	13715.3	47132.8	100			4 Surplus Boxcars
62	UNKN	Steyerman's Site	29/59.60 C	86/30.33 C	UNKN					Unknown Materials
63	1989	Shansky's Site 1	30/19.50 C	86/33.46 C	13665.0	47124.3			7.20	Steel Cages Filled with Tires, Concrete
64	1982	Ozark	29/55.00 C	86/34.083 C	13602.3	46967.1	180		27.80	Target Ship
65	1994	Reef EX 5	30/22.095	86/34.991	13667.6	47137.6	60			2 M60 Army Tanks
66	1976	Site 1 (Pole Spot)	30/22.00 C	86/35.00 C	13664.7	47137.7	75		1.50	Pier Rubble
66	1976	Site 1 (Pole Spot)	30/22.00 C	86/35.00 C	13664.9	47138.0	75		1.50	Pier Rubble

66	1977	Site 1A (Ft. Walton Barge)	30/21.00 C	86/35.00 C	13660.7	47134.1	80	11	3.00	200' Barge, Rubble, Also Called 'BROWN BARGE'
66	1976	Site 1 (Pole Spot)	30/22.00 C	86/35.00 C	13665.6	47138.2	75		1.50	Pier Rubble
67	1988	CSX Reef	30/21.649	86/35.155	13665.0	47135.0	80			4 Surplus Boxcars
68	1994	Reef EX Site	30/21.753	86/35.296	13663.8	47135.6	70			4 M60 Army Tanks
69	UNKN	Barnes Site 4	30/15.10 C	86/35.50 C	13650.0	47090.0				Unknown Material
70	1977	Site 4 (Liberty Ship Reef)	30/19.60 C	86/36.10 C	13648.1	47115.7	87		13.00	Liberty Ship 'THOMAS HAYWARD'
71	UNKN	Rhode's Site 1	30/04.00 C	86/38.00 C	13597.0	47028.0	172			Unknown Material
72	UNKN	Sublette Site 1	30/09.50 C	86/39.00 C	13600.0	47062.0	100		20.00	Tire Modules
73	UNKN	Trammell Site 1	30/10.00 C	86/40.00 C	13592.0	47066.0	98		15.00	Unknown Material
74	UNKN	Barnes Site 5	30/15.00 C	86/40.20 C	13600.2	47094.0	78		11.00	Unknown Material
75	UNKN	Dixon Site	30/03.53 C	86/41.083 C	13565.2	47024.5	200		20.00	Boat Hulls, Tires, PVC Pipe
76	1988	CSX Reef	30/09.781	86/43.621	13555.0	47065.4	105			4 Surplus Boxcars
77	1979	Site 8 (Burgess Barge)	30/10.00 C	86/45.00 C	13544.0	47062.3	118		14.20	Barge, 'Teens Reef'
77	1991	Site 8	30/08.921	86/45.498	13534.7	47060.7	111			3 Steel Storage Tanks
77	1991	Site 8	30/09.505	86/45.504	13535.9	47064.2	108			1 Steel Storage Tank
77	1991	Site 8	30/09.052	86/45.557	13534.4	47061.5	110			5 Steel Storage Tanks
77	1991	Site 8	30/09.263	86/45.705	13533.4	47062.8	109			1 Steel Storage Tank
77	1991	Site 8	30/09.595	86/45.777	13533.4	47064.8	106			7 Steel Storage Tanks
77	1991	Site 8	30/09.405	86/45.909	13531.7	47063.7	106			3 Steel Storage Tanks
77	1991	Site 8	30/09.118	86/45.968	13530.5	47062.0	111			4 Steel Storage Tanks
77	1991	Site 8	30/09.537	86/45.968	13531.4	47064.5	106			3 Steel Storage Tanks
77	1991	Site 8	30/09.469	86/45.984	13531.1	47064.1	108			2 Steel Storage Tanks
77	1991	Site 8	30/09.183	86/46.013	13530.2	47062.4	110			4 Steel Storage Tanks
78	1983	Site 5	30/03.60 C	86/45.70 C	13536.0	47042.0	130	20		Bundles of Tires, Unconfirmed
79	UNKN	Barnes Site 6	30/15.00 C	86/50.00 C	13500.0	47090.0				Unknown Material
80	UNKN	Hilpert's Site 4	30/02.03 C	87/00.016 C	UNKN					Unknown Material

Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>SANTA ROSA</b>										
81	1980	Liberty Ship Reef	30/12.78 C	86/48.35 C	13515.2	47083.9	85	15	10.75	440' Liberty Ship 'JOSEPH E. BROWN'
82	1987	McKay Reef	30/04.00 C	87/04.00 C	13348.2	47028.0	156		15.50	Tires, Appliances, Shopping Carts
82	1987	Woodburn Reef	29/20.00 C	87/04.00 C	13300.4	47010.1	138		15.00	Truck Cabs
83	1987	Bodenstein Reef	29/58.00"C	87/05.00 C	30485.5	47024.5	144		16.50	Tires, Appliances
<b>ESCAMBIA</b>										
84	1994	Site # 21-01 Pyramids	30/05.60 C	86/52.00 C	13366.0	47038.0	18	7		20 Concrete Pyramids
84	1993	Chevron Oil Rig - Site 21-X1	30/05.60 C	86/52.00 C	13361.9	47037.2	134			Chevron Oil Rig
85	1982	Tenneco Reef	30/00.00 C	87/04.00 C	13324.5	47012.7	156	71	15.00	Dismantled Oil Platform, Jacket Portion
86	1987	Jones Reef	30/03.05 C	87/04.50 C	13330.0	47020.0	150		10.50	Unknown Material, Unconfirmed
87	1995	Antares - DEP East	30/03.50	87/06.25	13299.8	47018.2	130	40		387' Freighter 'ANTARES', Broken Up but Together
87	1994	DEP East Site - Reef Ex	30/06.508	87/11.977	13268.5	47052.3	105	10		5 M60 Army Tanks Around Center Coord.
88	1978	Casino Fishing Reef	30/17.33 C	87/08.00 C	13333.3	47115.0	60		3.45	Concrete Rubble, Unconfirmed
89	1982	1982 Barge	30/13.98 C	87/09.43 C	13306.9	47102.8	75			Barge, Unconfirmed
90	1976	Liberty Ship Reef	30/16.30 C	87/09.70 C	13306.8	47102.5	82	15	3.00	Liberty ship 'JOSEPH L. MEEK'
91	1943	San Pablo*	30/11.33 C	87/10.63 C	13263.8	47077.1	84	27	9.00	Navy target ship, also Known as 'RUSSIAN FREIGHTER'
92	UNKN	Bridge Rubble	30/13.80 C	87/10.75 C	13278.0	47091.8	80			Concrete Rubble, 1/10 sq. mi., Unconfirmed
93	1994	Site # 20-6	29/57.18 C	87/12.40 C	13251.0	47008.0	120	7		50 Concrete Pyramids
93	1990	Site # 20-1 Fiberglass Tanks-The Silos	29/57.18 C	87/12.40 C	13248.9	47004.4	117	12	22.50	4 Tanks, 16 Plastic/Metal containers, 2 Culverts
93	1990	Site # 20-2 Fiberglass Tanks-The Silos	29/57.18 C	87/12.40 C	13250.3	47005.5	124	12	22.50	2 Tanks, 13 Plastic/Metal Containers 6 Culverts
93	1990	Site # 20-3 Miss Jenny	29/57.18 C	87/12.40 C	13248.8	47006.5	115	15	19.30	53' Steel Tugboat 'MISS JENNY'
93	1993	Site # 20-5 Plastic Modules	29/57.18 C	87/12.40 C	13248.6	47001.2	139	10		4 Plastic Wood Modules
93	1991	Site # 20-4 Avocet	29/58.369	87/12.603	13248.4	47007.2	115	55		247' Dredge 'AVOCET'
94	1976	Three Barges	30/16.95 C	87/12.83 C	13270.6	47107.6	54	8-10	6.90	Three Coal Barges, Concrete Bubble
95	1989	Site # 7-L Culverts	30/08.15 C	87/13.15 C	13248.7	47068.8	81	8	11.00	Concrete Culverts
95	1988	Site # 7-QQ#3	30/08.15 C	87/13.15 C	13255.5	47065.7	90		11.00	10' Concrete Bridge Section

95	1988	Site # 7-QQ#5	30/08.15 C	87/13.15 C	13255.7	47065.6	90		11.00	Large Concrete Bridge Span
95	1990	Site # 7-II Tug Heron	30/08.15 C	87/13.15 C	13253.0	47060.6	91	14	15.00	53' Tugboat 'HERON'
95	1988	Site # 7-J	30/08.15 C	87/13.15 C	13248.0	47062.4	78	3	11.25	Steel Scrap Structures, 10 Cars Each
95	1988	Site # 7-G	30/08.15 C	87/13.15 C	13247.5	47068.1	78	3	11.00	Scrap Steel Structures, 10 Cars Each
95	1988	Site # 7- QQ#2	30/08.15 C	87/13.15 C	13255.1	47065.8	90		10.75	Small Concrete Bridge Span
95	1989	Site # 7-JJ Culverts	30/08.15 C	87/13.15 C	13254.7	47069.2	87	8	10.50	Concrete Culverts
95	1991	Site # 7-K Tug Born Again-FAA Pipes	30/08.15 C	87/13.15 C	13247.6	47060.8	95	25	8.50	65' Tug 'BORN AGAIN', 21 Steel Pipes
95	1988	Site # 7-QQ -1	30/08.15 C	87/13.15 C	13255.1	47065.9	90		11.00	8' Concrete Bridge Section
95	1988	Site # 7-QQ	30/08.15 C	87/13.15 C	13255.6	47065.6	90		11.00	Concrete, Barge pieces
95	1990	Site # 7-II LCM	30/08.15 C	87/13.15 C	13253.0	47060.6	91	14	15.00	56' LCM Steel Vessel 'ELSIE'
95	1988	Site # 7QQ -4	30/08.15 C	87/13.15 C	13255.5	47065.6	90		11.00	Concrete Bridge Sections On a Barge
95	1994	Site # 7-GG	30/08.15 C	87/13.15 C	13253.6	47064.3	100	7		5 Concrete Pyramids
95	1990	Site # 7-ZZ Tug Philip	30/08.15 C	87/13.15 C	13256.2	47059.4	95	20	8.50	60' Steel Tugboat 'PHILIP'
95	1989	Site # 7 ARCOA Reef	30/08.15 C	87/13.15 C	13251.5	47068.8	89		9.00	30 Prefab PVC Pipe Modules, Unconfirmed
95	1993	Site # 7EE Kingry Barge	30/08.15 C	87/13.15 C	13252.8	47068.0	84			Kingry Barge With Tanks
95	1993	Site # 7-4 Pete Tide II	30/08.654	87/13.982	13250.5	47063.4	100	43		180' Steel Ship 'PETE TIDE II' Concrete and Plastic Modules
95	1993	Site # 7-3 Plastic Modules	30/09.241	87/14.266	13248.5	47066.4	88	8		4 Plastic Wood Modules
95	1994	Site # 7-M60 Army Tanks	30/09.607	87/14.415	13247.3	47067.1	81	10		9 M60 Army Tanks Around Center Coor.
96	1990	Site # 15-W Tug Sylvia	30/11.005	87/13.718	13252.5	47075.5	82	25	8.33	48' Tugboat 'SYLVIA'
96	1990	Site # 15-V PC Barge	30/11.116 C	87/14.083 C	13253.6	47076.3	75	8	8.33	110' Steel Barge 'PC BARGE'
96	1989	Pipe Ends 15-PE FRB	30/11.116 C	87/14.083 C	13250.1	47078.4	75		8.33	Steel Water Tower Pipe Ends, Near 'TESSIE'
96	1989	Site # 15-PE FRB	30/11.116 C	87/14.083 C	13250.1	47078.5	75	3-5	8.33	100 Concrete Culverts Surround 'TESSIE' Hull
96	1988	Site # 15-J	30/11.116 C	87/14.083 C	13247.6	47076.5	77	4	8.33	10 Car bodies
96	1988	Site # 15-A	30/11.116 C	87/14.083 C	13254.3	47082.8	66	4	8.33	Scrap Steel 10 Car Bodies
96	1989	Site # 15-T	30/11.116 C	87/14.083 C	13246.7	47079.7	69	25	8.33	Cluster of Steel Modules
96	1990	Site # 15-C ECUA Culverts	30/11.116 C	87/14.083 C	13252.0	47082.0	81	6	6.50	Concrete Culverts
96	1989	Site # 15-S	30/11.116 C	87/14.083 C	13248.7	47081.3	67	25	8.00	117 Steel Boxes
96	1988	Site # 15-PE FRB Tessie	30/11.116 C	87/14.083 C	13250.0	47078.5	75	10	8.33	40' Steel Hull 'TESSIE' Filled With 4 Car Bodies, Concrete Culverts
96	1989	Site # 15-L Deliverance	30/11.116 C	87/14.083 C	13247.7	47074.7	79	22	8.33	65' Steel Tugboat 'DELIVERANCE'
96	1988	Site # 15-R Scrap Steel	30/11.116 C	87/14.083 C	13247.0	47081.6	65	3	8.00	30 Car Bodies
96	1989	Site # 15-S	30/11.116 C	87/14.083 C	13248.6-.7	47081.2-.4	67	25	8.00	117 Steel Boxes
96	1993	Site # 15-IV	30/11.116 C	87/14.083 C	13249.8	47074.4	90	10		4 Plastic Wood Modules
96	1994	Site # 15-K Camel Barge	30/11.116 C	87/14.083 C	13246.6	47076.4	82			Navy Camel Barge
96	1993	Site # 15-K Navy Barge	30/11.116 C	87/14.083 C	13246.7	47076.3	80			Navy Barge

Map ID	Year Built	Name	Latitude	Longitude	Loran-C	Loran-C	Depth	Relief	Distance N. Miles	Composition
<b>ESCAMBIA</b>										
96	1991	Site 15-V FAA Tower	30/12.358	87/14.246	13253.2	47082.6	77	8	8.60	Steel Radio Towers
96	1993	Site # 15 Concrete Modules	30/11.989	87/14.253	13252.6	47080.7	85	8		24 Concrete Modules Surrounding Center Coor.
96	1992	Site # 15-L Soule Barge	30/10.696	87/14.633	13248.0	47074.6	82	10		140' 'SOULE' Barge With Towers Attached
96	1989	Site # 15	30/12.146	87/14.659	13248.8	47081.4	67	25		104 Steel Boxes

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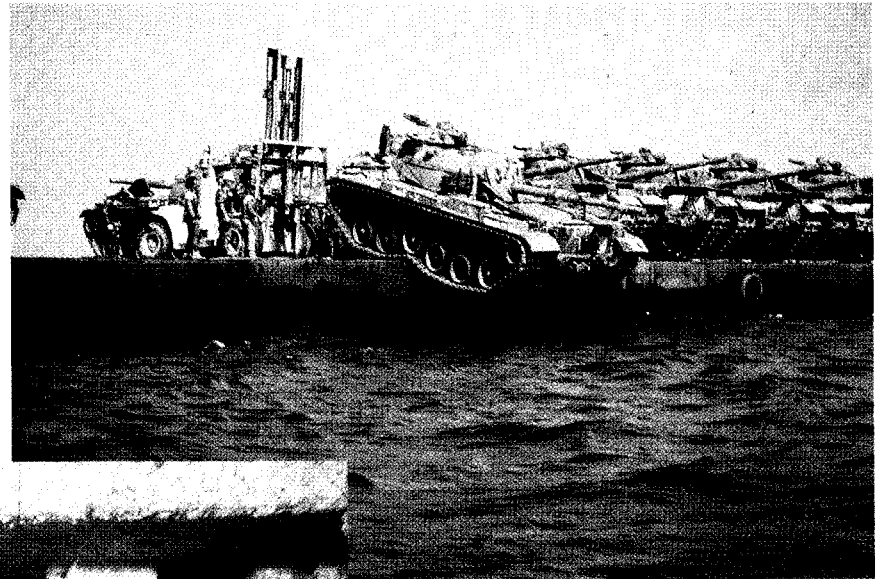
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