

NOT SUITABLE FOR NAVIGATION

SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: Lighthouse Point, LA - 54
Map Produced: Feb 12, 2009
Survey Dates: Apr 7, 2008

Items identified by side-scan sonar for this project are symbolized by estimated volume and clearance depth, or the distance between the top of the debris item and the water surface at Mean Lower Low Water (MLLW).

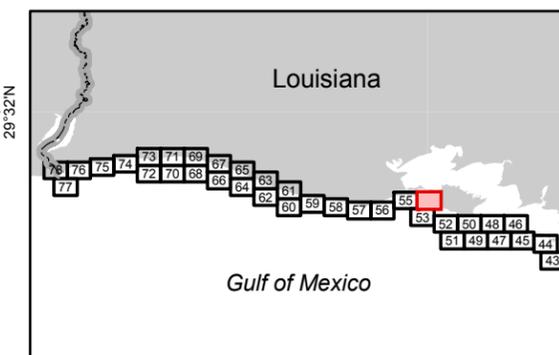
Identified items:

- | | | | |
|--|---|---|---|
| S | M | L | (S: < 10 cu. ft. M: 10 to 100 cu. ft. L: > 100 cu. ft.) |
| ● | ● | ● | < 5 ft. or unknown est. clearance depth |
| ■ | ■ | ■ | > 5 ft. est. clearance depth |
| [Red dotted area] Proposed survey area | | | |
| [Yellow area] Project survey completed | | | |
| [Green area] Removal area | | | |

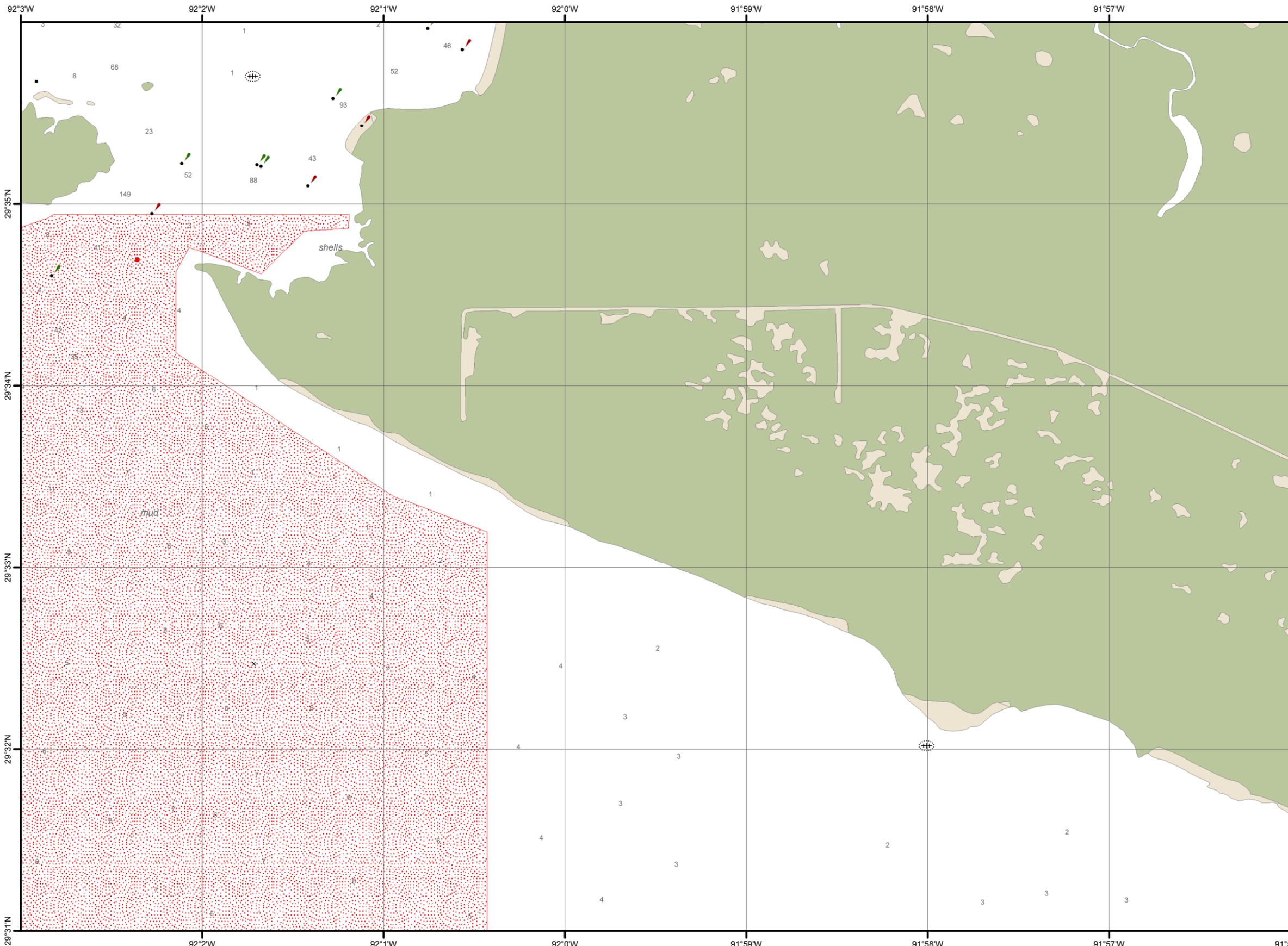
Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

- [Red buoy symbol] Buoy (red, green, other)
 - [Lighted buoy symbol] Lighted buoy (red, green, other)
 - [Day marker symbol] Day marker (red, green, other)
 - [Lighted marker symbol] Lighted marker (red, green, other)
 - [Pile symbol] Pile / Structure
 - [Obstruction symbol] Obstruction
 - [Wreck symbol] Wreck
 - [Fed. / State Bnd. symbol] Fed. / State Bnd.
- All soundings in feet below MLLW.

The data presented on these maps identify positions of marine objects located by contractors to NOAA and removal areas where marine debris removal has taken place after the survey had been conducted. The data were accurate as of the time they were obtained. It is possible that not all marine debris items have been removed. Due to the dynamic nature of ocean currents and weather items may shift locations. As such, this information should not be used for navigational purposes. Mariners should take extreme caution navigating in waters where debris has been identified. Additionally, there are still many areas not yet surveyed where the locations of hazards are not known.

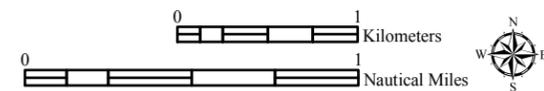


For additional or updated survey results maps, contact:	For questions about the use of these maps, contact:
NOAA Marine Debris Program Gulf of Mexico Marine Debris Project 1315 East West Highway Silver Spring, MD 20910-3282 301-713-2989 http://marinedebris.noaa.gov gomdebris@noaa.gov	NOAA Office of Coast Survey Eastern Gulf of Mexico 646 Cajundome Blvd Lafayette, LA 70506 337-291-2111 http://chartmaker.ncd.noaa.gov/ Tim.Osborn@noaa.gov



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Data displayed using a geographic coordinate system and the WGS84 datum in an equidistant cylindrical projection.



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National Oceanic and Atmospheric Administration

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SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: Tete Butte Reef, LA - 55
Map Produced: Feb 12, 2009
Survey Dates: Dec 21, 2007 to Feb 12, 2008

Items identified by side-scan sonar for this project are symbolized by estimated volume and clearance depth, or the distance between the top of the debris item and the water surface at Mean Lower Low Water (MLLW).

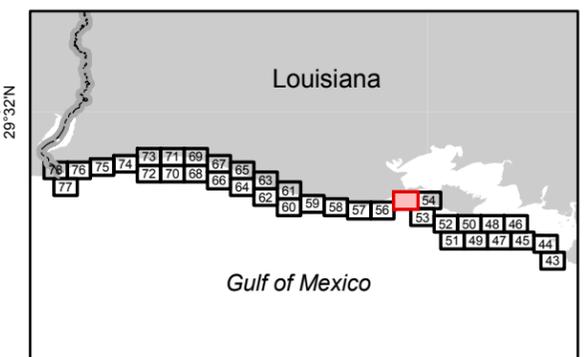
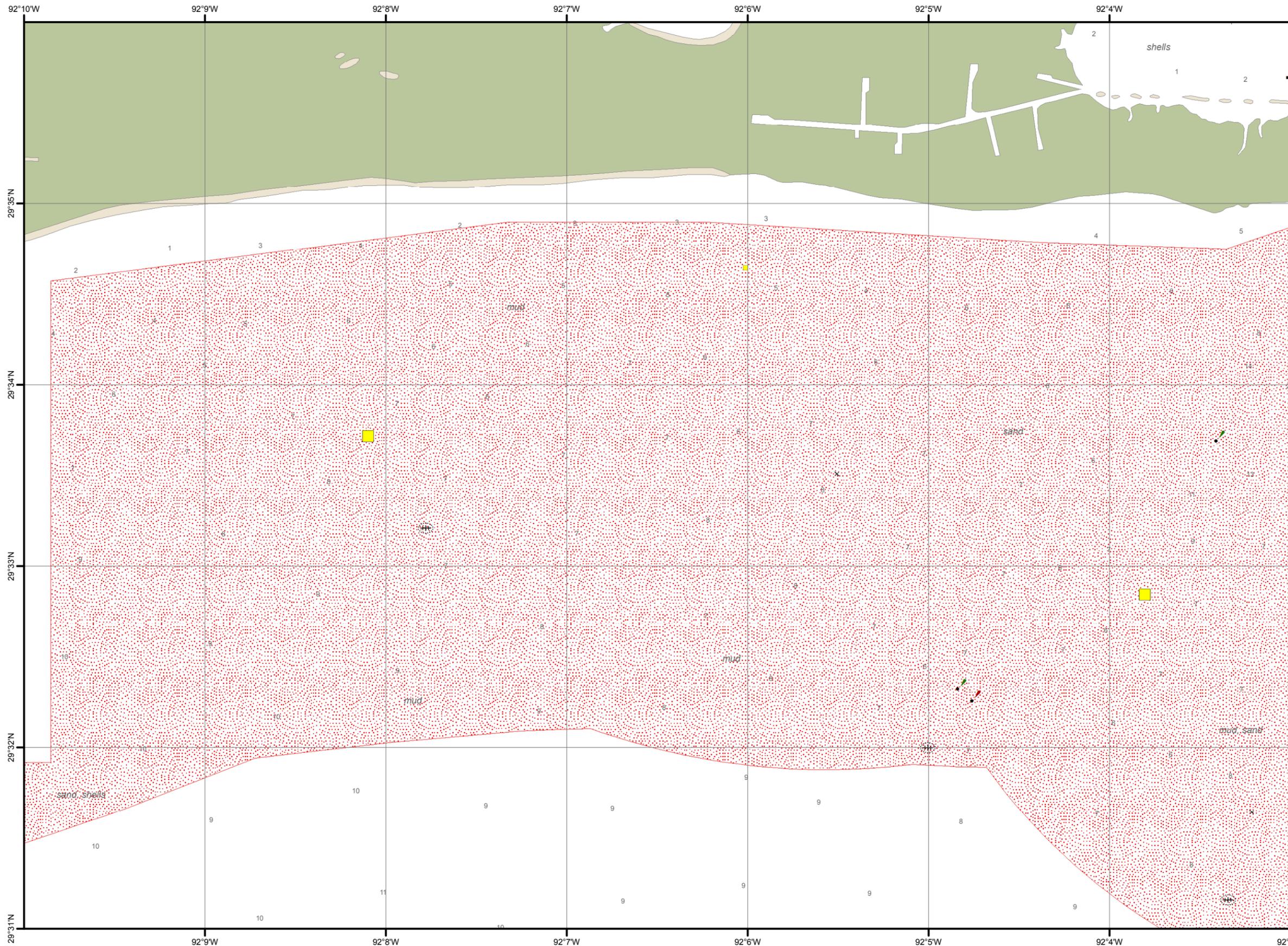
Identified items:

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- ● ● < 5 ft. or unknown est. clearance depth
- ■ ■ > 5 ft. est. clearance depth
- ▨ Proposed survey area
- ▩ Project survey completed
- Removal area

Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

- ⚓ Buoy (red, green, other)
 - ⚓ Lighted buoy (red, green, other)
 - ⚓ Day marker (red, green, other)
 - ⚓ Lighted marker (red, green, other)
 - Pile / Structure
 - × Obstruction
 - ⚓ Wreck
 - ⚓ Fed. / State Bnd.
- All soundings in feet below MLLW.

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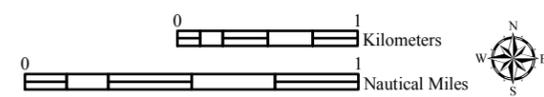
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SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: Flat Lake, LA - 59
Map Produced: Jan 06, 2009
Survey Dates: Aug 14, 2008

Items identified by side-scan sonar for this project are symbolized by estimated volume and clearance depth, or the distance between the top of the debris item and the water surface at Mean Lower Low Water (MLLW).

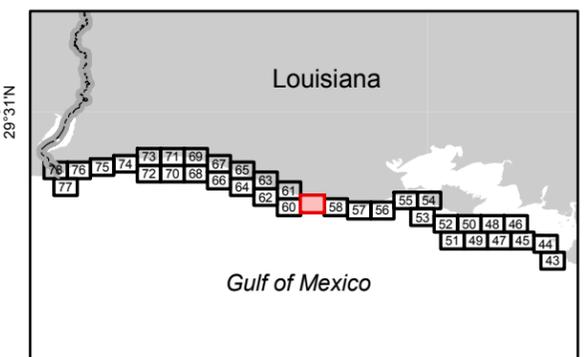
Identified items:

- S M L (S: < 10 cu. ft. M: 10 to 100 cu. ft. L: > 100 cu. ft.)
- • • < 5 ft. or unknown est. clearance depth
- ■ ■ > 5 ft. est. clearance depth
- ▨ Proposed survey area
- Project survey completed
- Removal area

Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

- ⚓ Buoy (red, green, other)
 - ⚓ Lighted buoy (red, green, other)
 - ▲ △ □ ○ Day marker (red, green, other)
 - ⚓ Lighted marker (red, green, other)
 - Pile / Structure
 - × Obstruction
 - ⊕ Wreck
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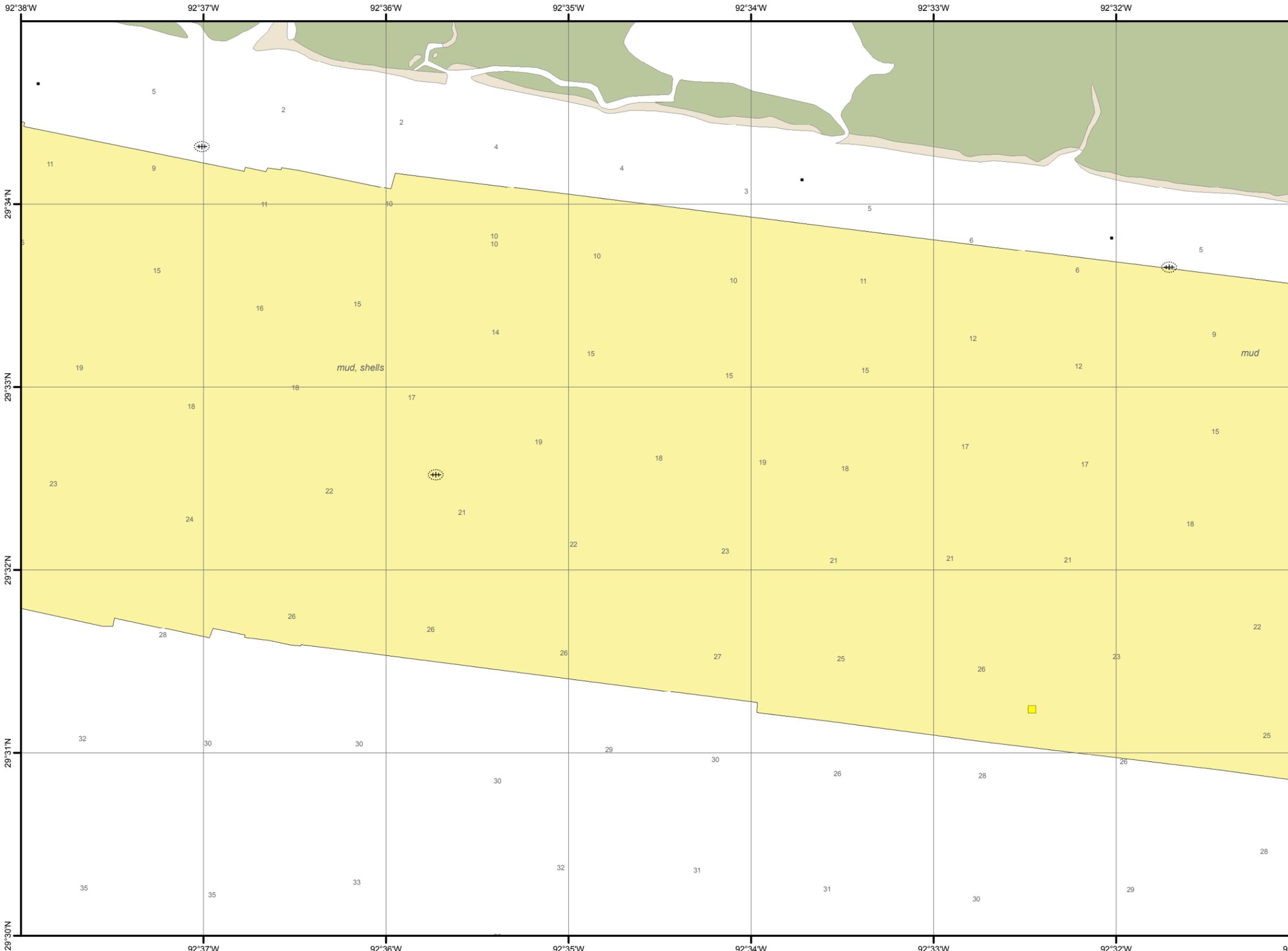


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SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: South Rockefeller WR, LA - 60

Map Produced: Jan 06, 2009

Survey Dates: Aug 9, 2008 to Aug 20, 2008

Items identified by side-scan sonar for this project are symbolized by estimated volume and clearance depth, or the distance between the top of the debris item and the water surface at Mean Lower Low Water (MLLW).

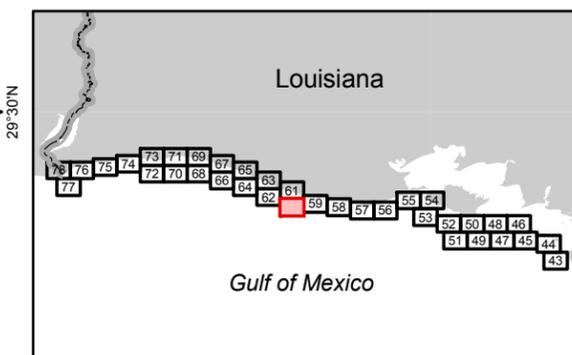
Identified items:

- | | | | |
|--|----------|----------|---|
| S | M | L | (S: < 10 cu. ft. M: 10 to 100 cu. ft. L: > 100 cu. ft.) |
| ● | ● | ● | < 5 ft. or unknown est. clearance depth |
| ■ | ■ | ■ | > 5 ft. est. clearance depth |
|  Proposed survey area | | | |
|  Project survey completed | | | |
|  Removal area | | | |

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-  Buoy (red, green, other)
 -  Lighted buoy (red, green, other)
 -  Day marker (red, green, other)
 -  Lighted marker (red, green, other)
 -  Pile / Structure
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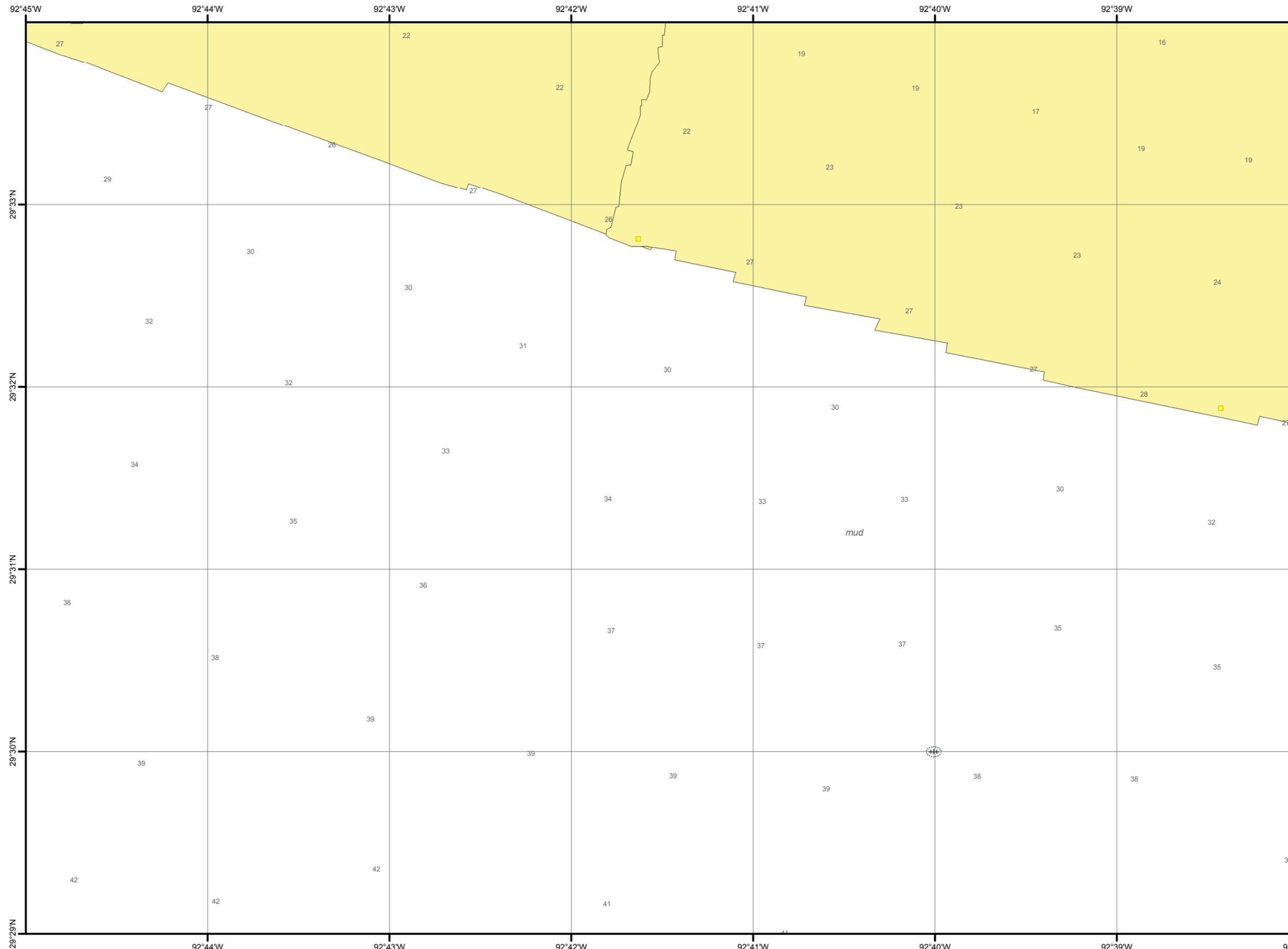


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SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: Rockefeller Wildlife Refuge, LA - 61

Map Produced: Jan 06, 2009

Survey Dates: Aug 9, 2008 to Aug 29, 2008

Items identified by side-scan sonar for this project are symbolized by estimated volume and clearance depth, or the distance between the top of the debris item and the water surface at Mean Lower Low Water (MLLW).

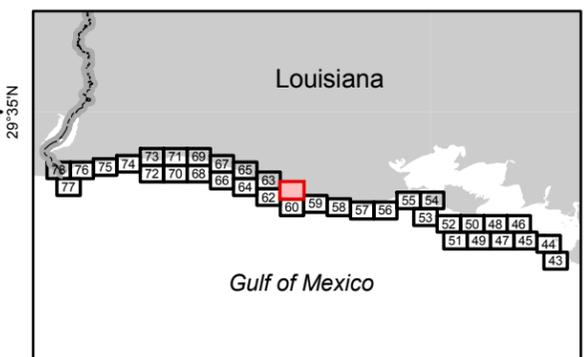
Identified items:

- | | | | |
|---------------------------------------|---|---|---|
| S | M | L | (S: < 10 cu. ft. M: 10 to 100 cu. ft. L: > 100 cu. ft.) |
| ● | ● | ● | < 5 ft. or unknown est. clearance depth |
| ■ | ■ | ■ | > 5 ft. est. clearance depth |
| [Red Dotted Box] Proposed survey area | | | |
| [Yellow Box] Project survey completed | | | |
| [Green Box] Removal area | | | |

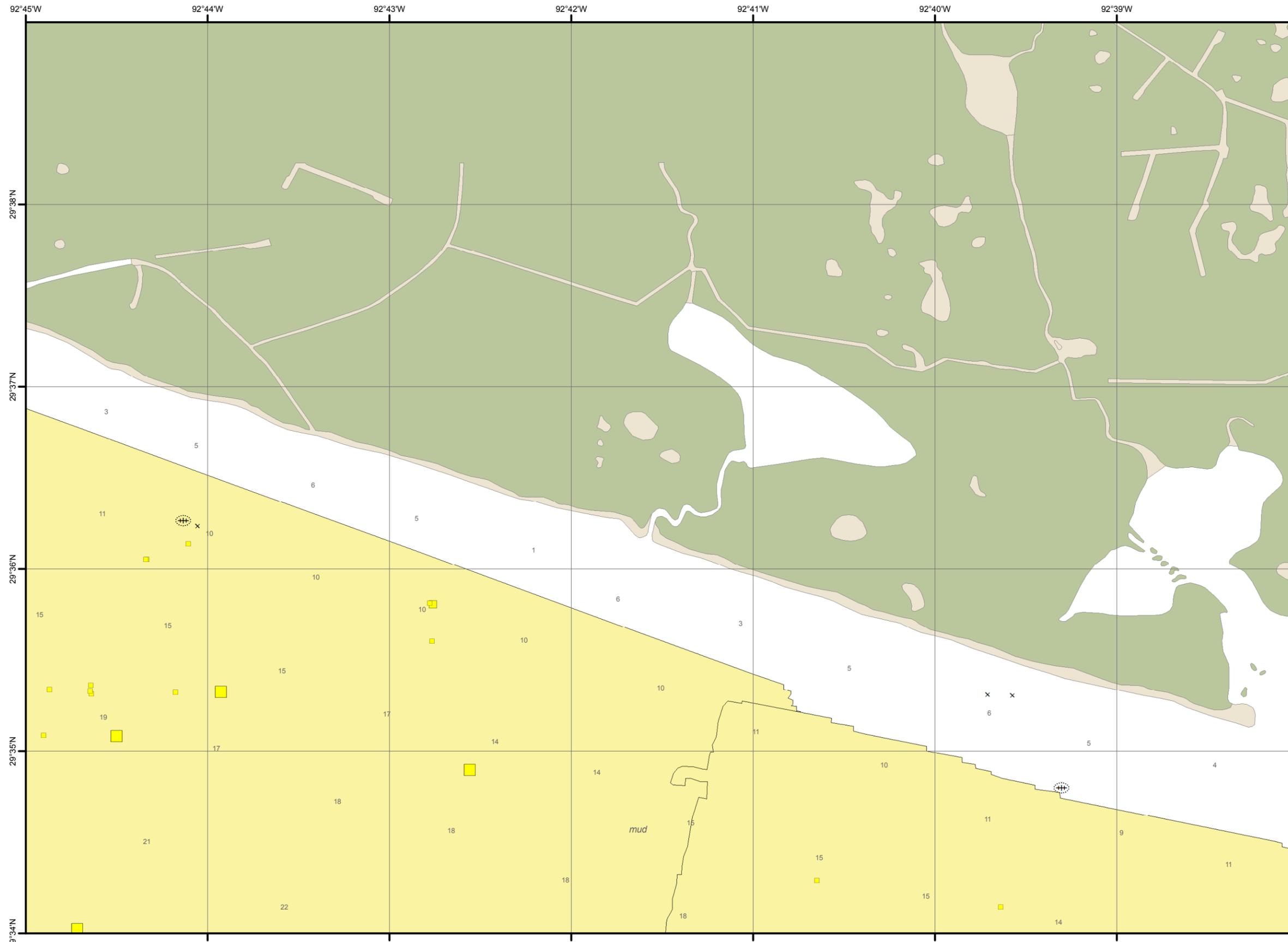
Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

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 - [Lighted Buoy] Lighted buoy (red, green, other)
 - [Day Marker] Day marker (red, green, other)
 - [Lighted Marker] Lighted marker (red, green, other)
 - [Pile/Structure] Pile / Structure
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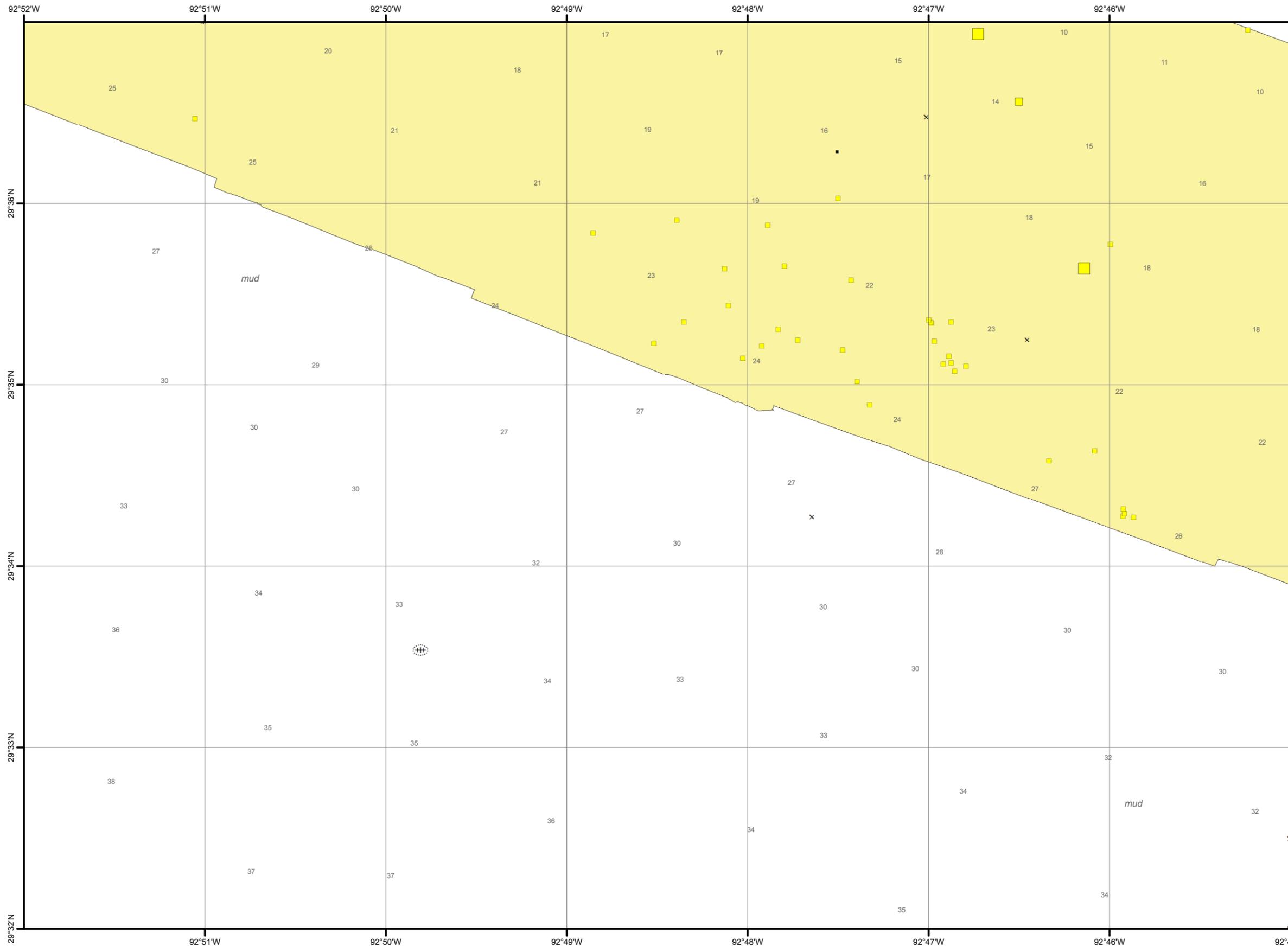
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SURVEY RESULTS MAP
Gulf Of Mexico Marine Debris Project



Map: South Miller Lake, LA - 62
 Map Produced: Jan 06, 2009
 Survey Dates: Aug 17, 2008 to Aug 29, 2008

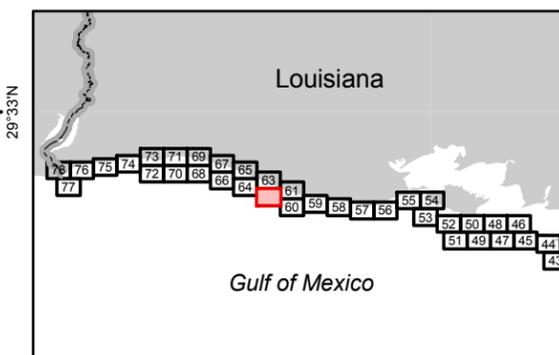
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 - Project survey completed
 - Removal area

Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

- ⚓ Buoy (red, green, other)
 - ⚓ Lighted buoy (red, green, other)
 - ▲ △ □ ○ Day marker (red, green, other)
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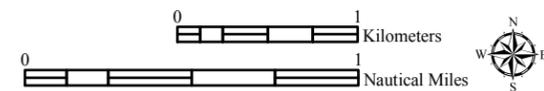


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SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: South Crab Lake, LA - 64
Map Produced: Jan 06, 2009
Survey Dates: Oct 20, 2008 to Nov 4, 2008

Items identified by side-scan sonar for this project are symbolized by estimated volume and clearance depth, or the distance between the top of the debris item and the water surface at Mean Lower Low Water (MLLW).

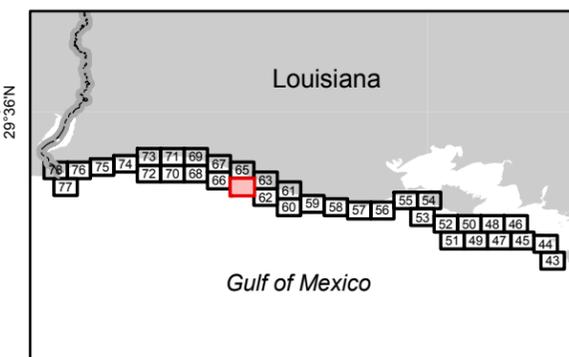
Identified items:

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- ▨ Proposed survey area
- Project survey completed
- Removal area

Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

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 - ▲ △ □ ○ Day marker (red, green, other)
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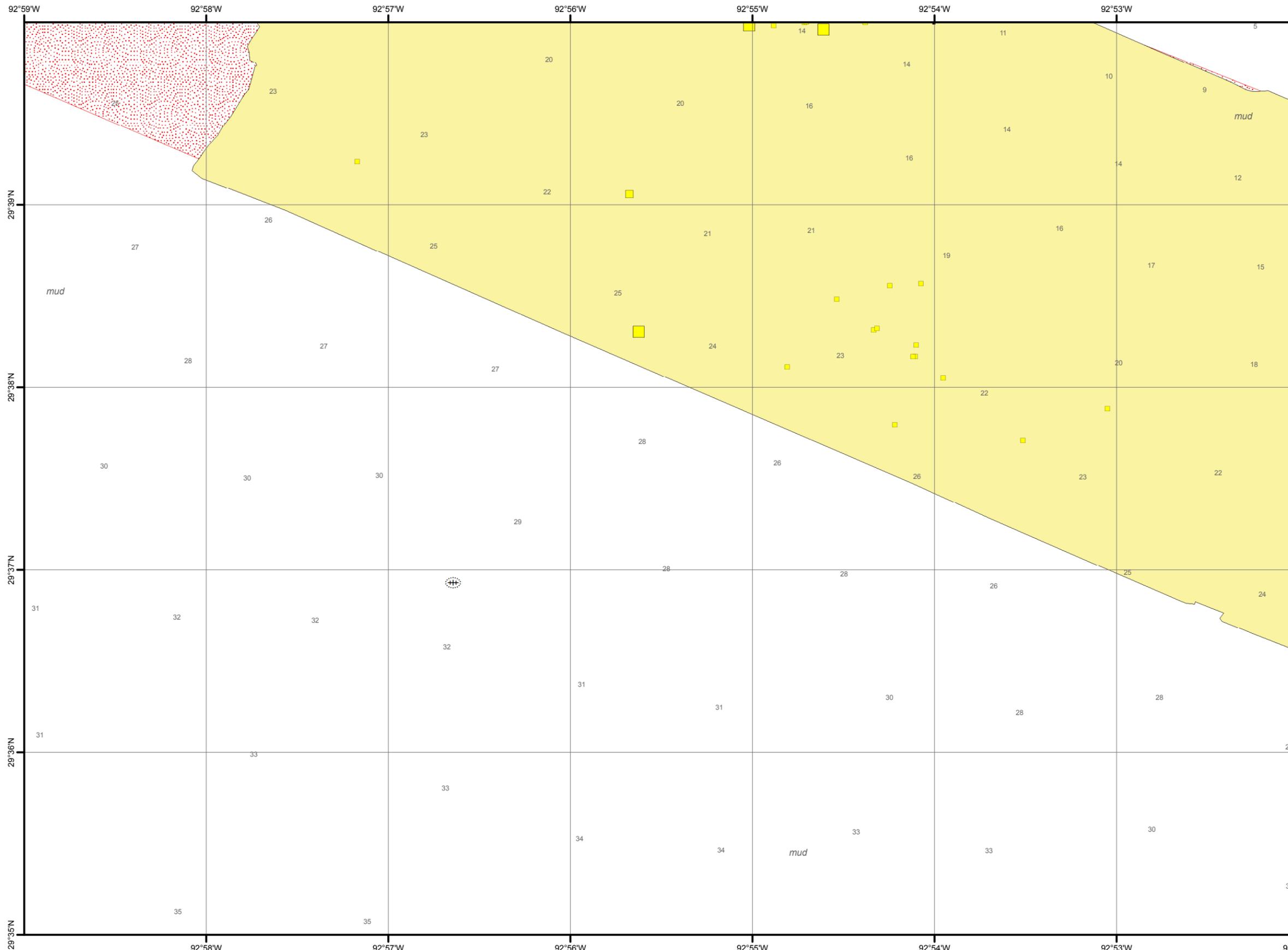


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SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: Crab Lake, LA - 65
Map Produced: Jan 06, 2009
Survey Dates: Nov 1, 2008 to Nov 3, 2008

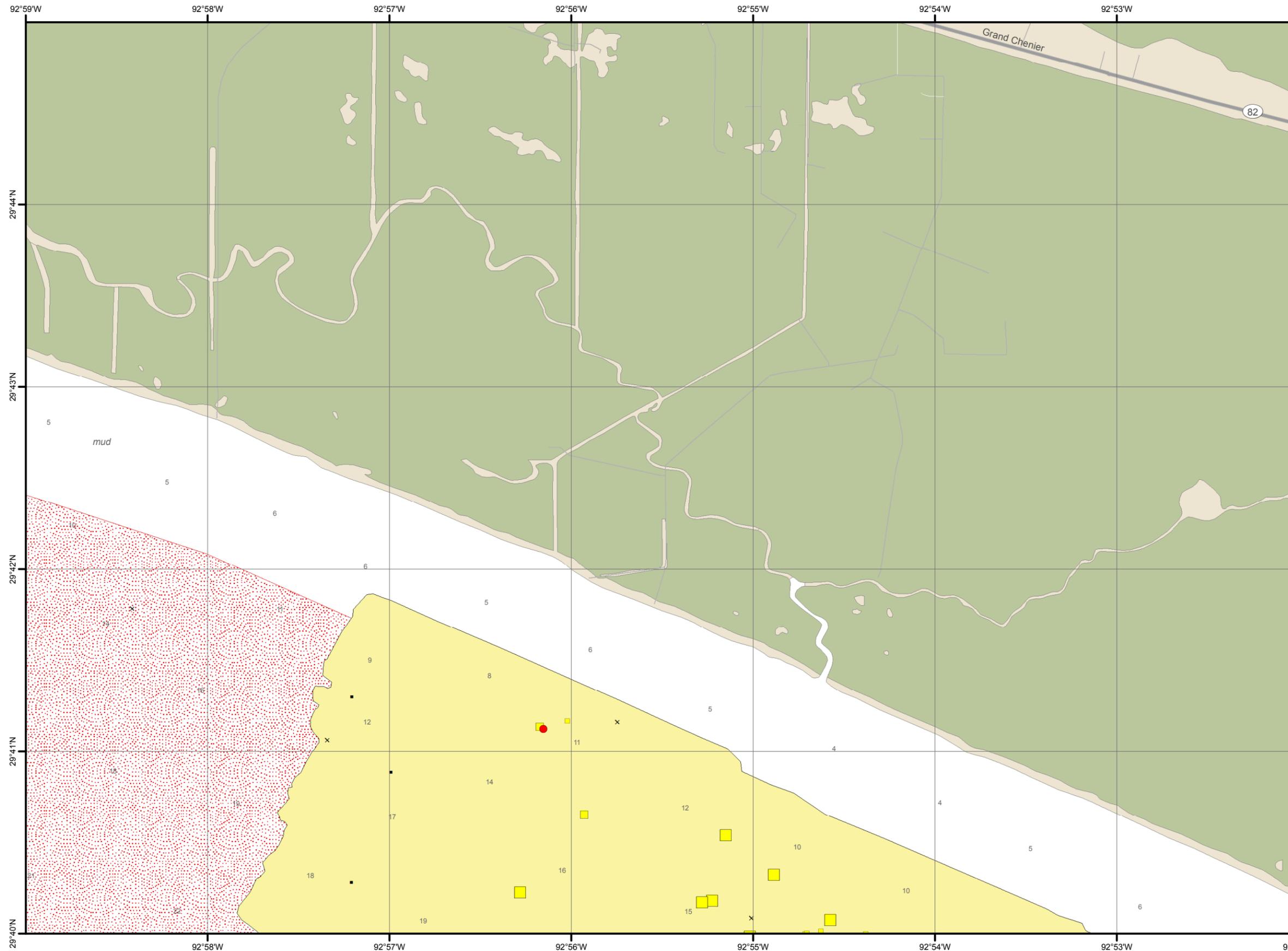
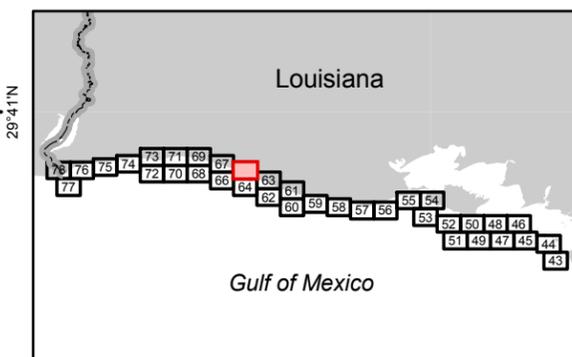
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 - [Red/Green/Other Lighted Buoy] Lighted buoy (red, green, other)
 - [Red/Green/Other Day Marker] Day marker (red, green, other)
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SURVEY RESULTS MAP
Gulf Of Mexico Marine Debris Project

Map: South Hackberry Beach, LA - 66
 Map Produced: Feb 12, 2009
 Survey Dates: Nov 20, 2008

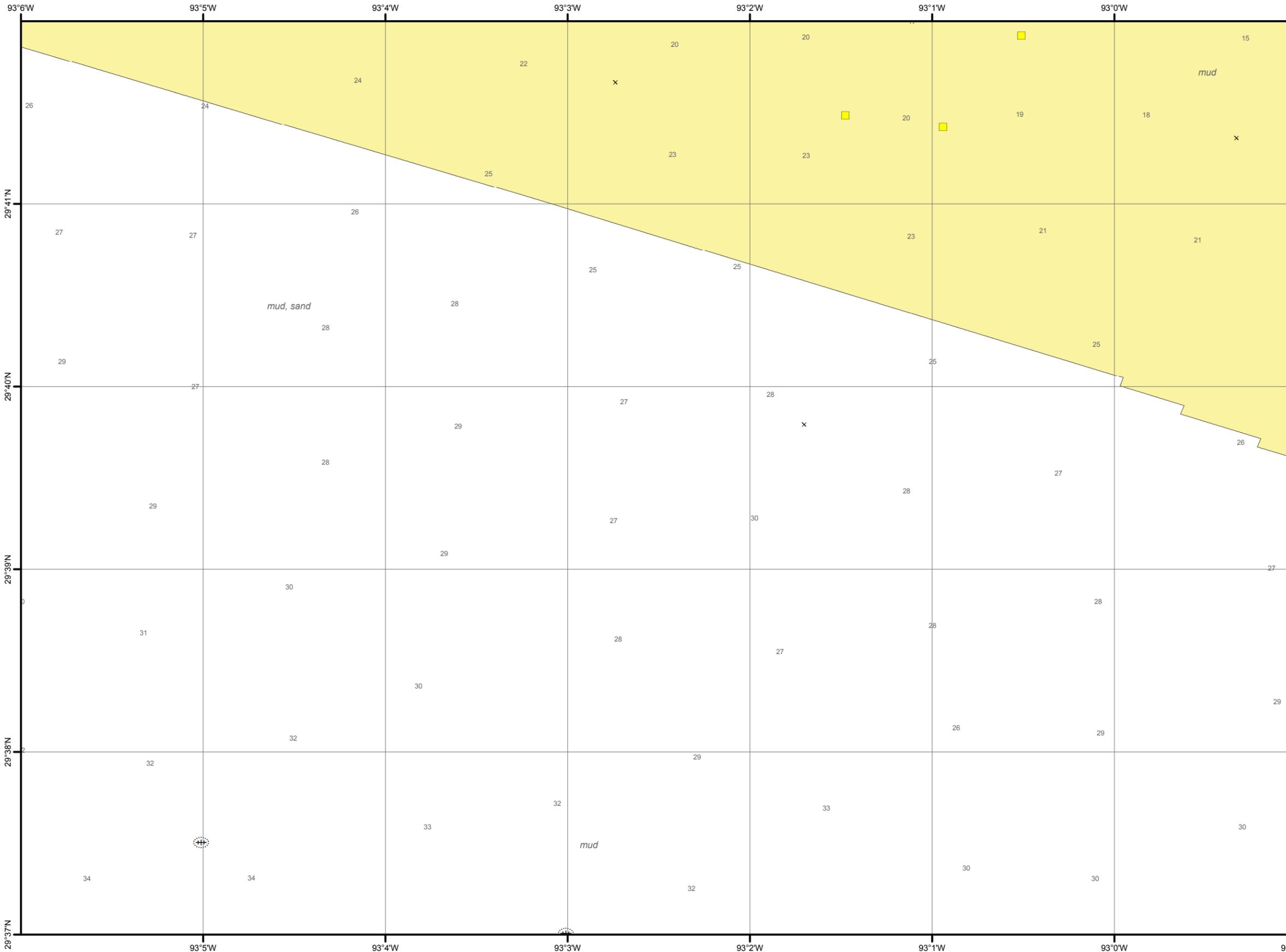
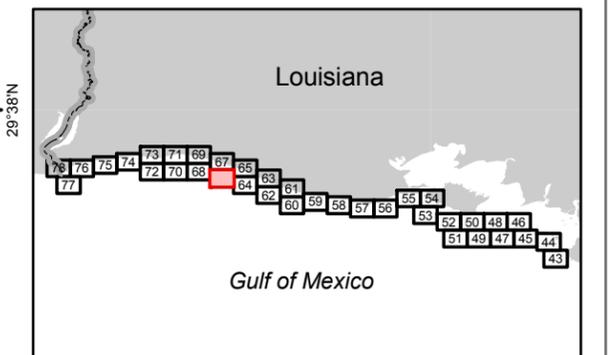
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- | | | | |
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- | | | | |
|----------------------------|------------------------|------------------------|------------------------------------|
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| [Red Lighted Buoy] | [Green Lighted Buoy] | [Other Lighted Buoy] | Lighted buoy (red, green, other) |
| [Red Day Marker] | [Green Day Marker] | [Other Day Marker] | Day marker (red, green, other) |
| [Red Lighted Marker] | [Green Lighted Marker] | [Other Lighted Marker] | Lighted marker (red, green, other) |
| [Black Square] | | | Pile / Structure |
| [Black X] | | | Obstruction |
| [Wreck Symbol] | | | Wreck |
| [Fed. / State Bnd. Symbol] | | | Fed. / State Bnd. |
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 National Ocean Service
 National Oceanic and Atmospheric Administration

For additional or updated survey results maps, contact:
 NOAA Marine Debris Program
 Gulf of Mexico Marine Debris Project
 1315 East West Highway
 Silver Spring, MD 20910-3282
 301-713-2989
<http://marinedebris.noaa.gov>
gomdebris@noaa.gov

For questions about the use of these maps, contact:
 NOAA Office of Coast Survey
 Eastern Gulf of Mexico
 646 Cajundome Blvd
 Lafayette, LA 70506
 337-291-2111
<http://chartmaker.nco.noaa.gov/>
Tim.Osborn@noaa.gov

NOT SUITABLE FOR NAVIGATION

SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: Hackberry Beach, LA - 67
Map Produced: Feb 12, 2009
Survey Dates: Jan 4, 2009

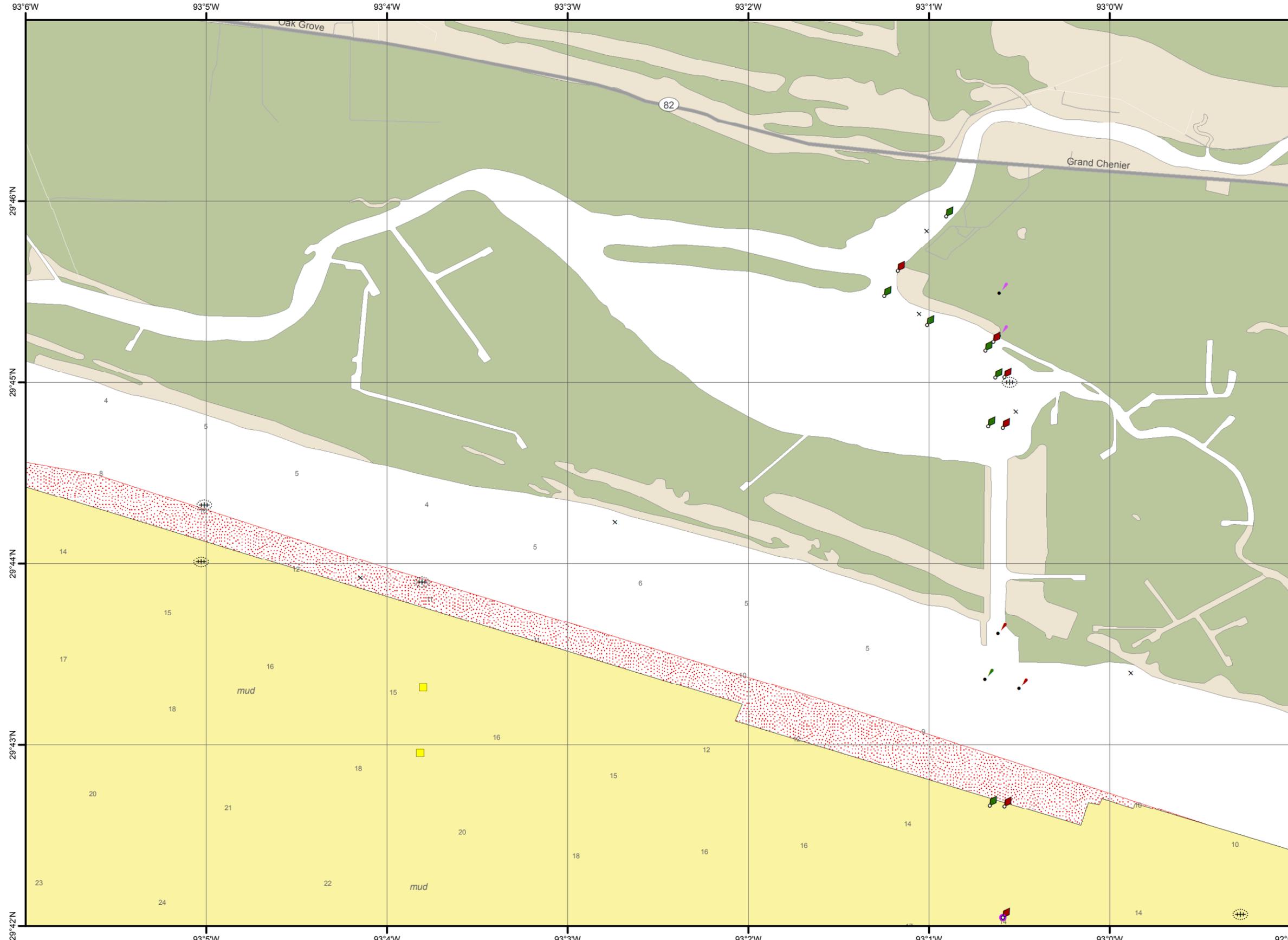
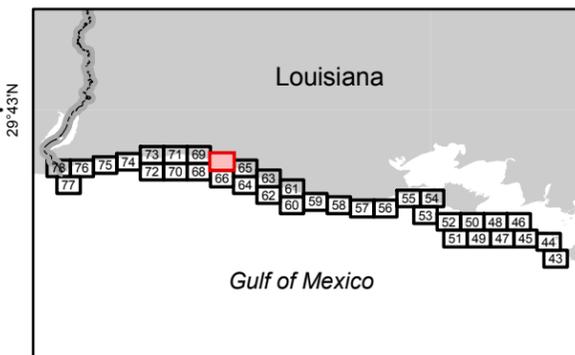
Items identified by side-scan sonar for this project are symbolized by estimated volume and clearance depth, or the distance between the top of the debris item and the water surface at Mean Lower Low Water (MLLW).

- Identified items:**
- | | | | |
|---|---|---|---|
| S | M | L | (S: < 10 cu. ft. M: 10 to 100 cu. ft. L: > 100 cu. ft.) |
| ● | ● | ● | < 5 ft. or unknown est. clearance depth |
| ■ | ■ | ■ | > 5 ft. est. clearance depth |
| [Red dotted pattern] Proposed survey area | | | |
| [Yellow solid] Project survey completed | | | |
| [Green solid] Removal area | | | |

Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

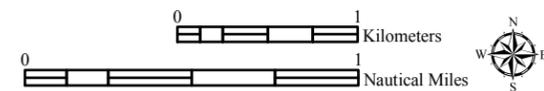
- [Red/Green Buoy] Buoy (red, green, other)
 - [Red/Green Buoy with Light] Lighted buoy (red, green, other)
 - [Red/Green Triangle] Day marker (red, green, other)
 - [Red/Green Marker] Lighted marker (red, green, other)
 - [Black Square] Pile / Structure
 - [Black X] Obstruction
 - [Black Circle with X] Wreck
 - [Black Line with X] Fed. / State Bnd.
- All soundings in feet below MLLW.

The data presented on these maps identify positions of marine objects located by contractors to NOAA and removal areas where marine debris removal has taken place after the survey had been conducted. The data were accurate as of the time they were obtained. It is possible that not all marine debris items have been removed. Due to the dynamic nature of ocean currents and weather items may shift locations. As such, this information should not be used for navigational purposes. Mariners should take extreme caution navigating in waters where debris has been identified. Additionally, there are still many areas not yet surveyed where the locations of hazards are not known.



NOT SUITABLE FOR NAVIGATION

Data displayed using a geographic coordinate system and the WGS84 datum in an equidistant cylindrical projection.



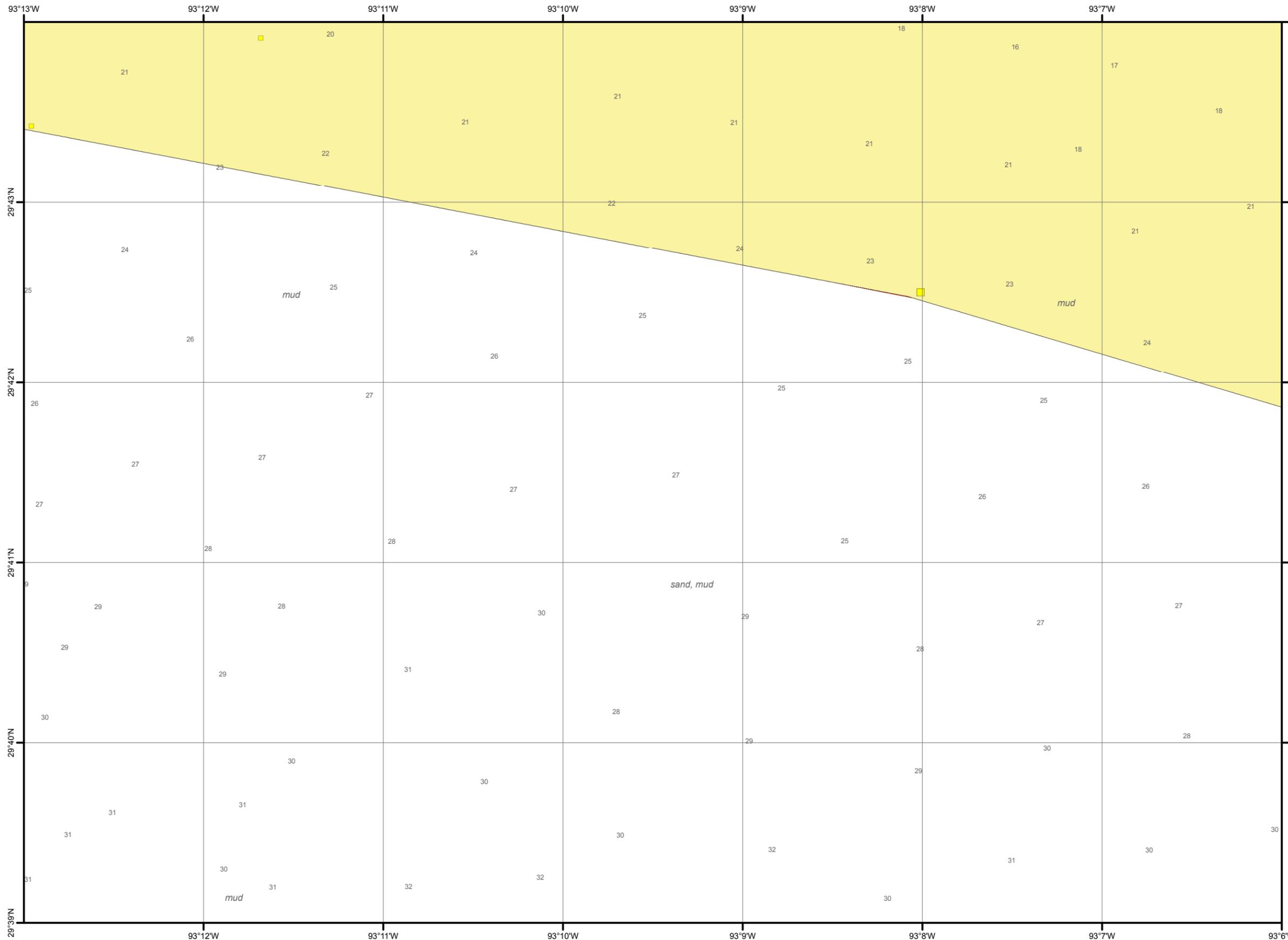
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SURVEY RESULTS MAP
Gulf Of Mexico Marine Debris Project



Map: South Oak Grove, LA - 68
 Map Produced: Feb 12, 2009
 Survey Dates: Dec 6, 2008 to Dec 20, 2008

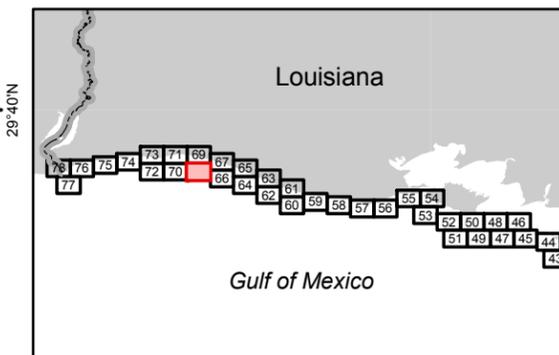
Items identified by side-scan sonar for this project are symbolized by estimated volume and clearance depth, or the distance between the top of the debris item and the water surface at Mean Lower Low Water (MLLW).

- Identified items:**
- S M L (S: < 10 cu. ft. M: 10 to 100 cu. ft. L: > 100 cu. ft.)
 - • • < 5 ft. or unknown est. clearance depth
 - ■ ■ > 5 ft. est. clearance depth
 - ▨ Proposed survey area
 - Project survey completed
 - Removal area

Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

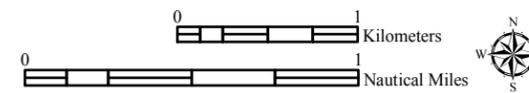
- ⚓ Buoy (red, green, other)
 - ⚓ Lighted buoy (red, green, other)
 - ▲ △ □ Day marker (red, green, other)
 - ⚓ Lighted marker (red, green, other)
 - Pile / Structure
 - × Obstruction
 - ⚓ Wreck
 - ⚓ Fed. / State Bnd.
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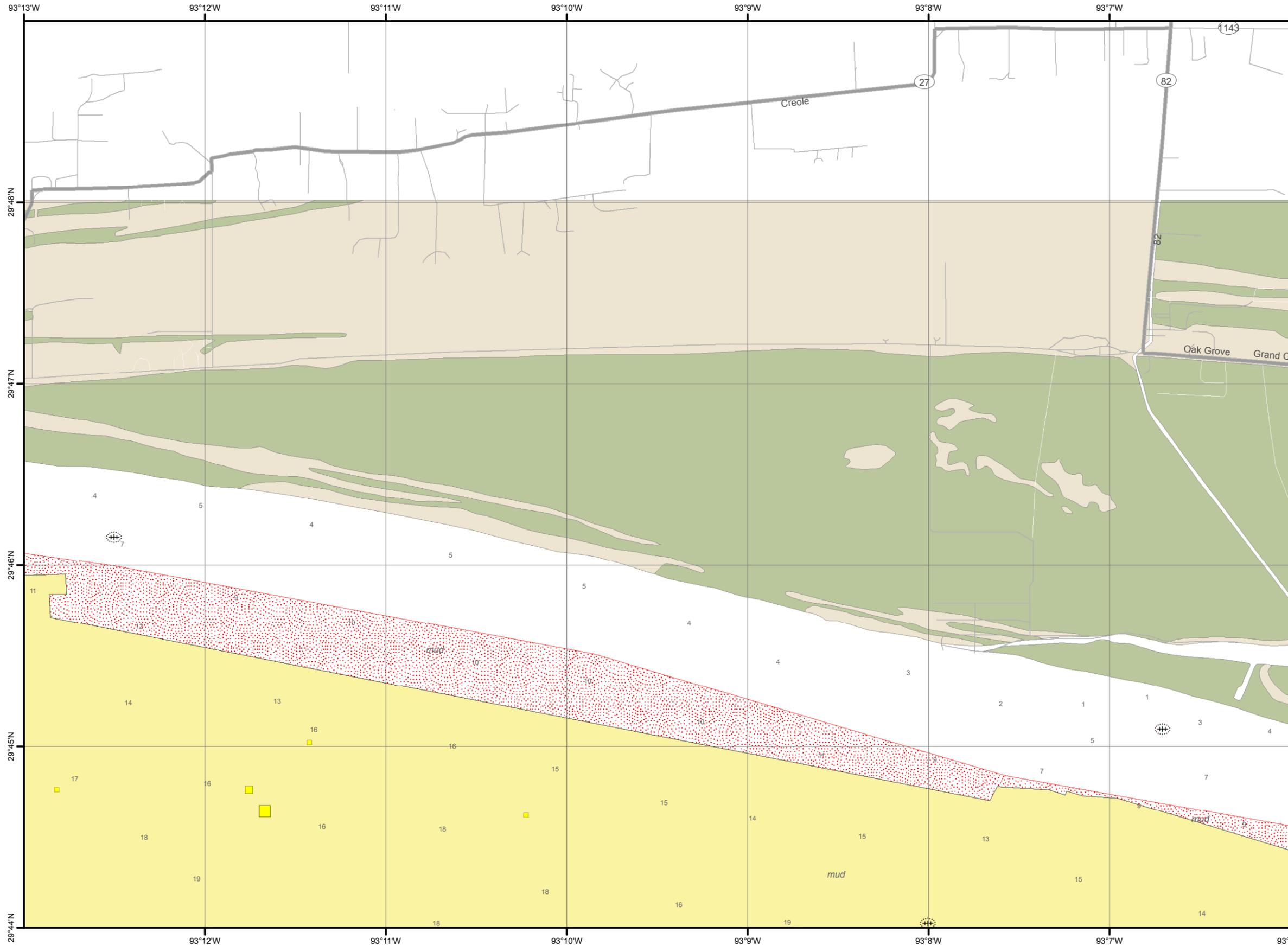
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NOT SUITABLE FOR NAVIGATION

SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project



Map: Oak Grove, LA - 69
Map Produced: Feb 12, 2009
Survey Dates: Dec 6, 2008

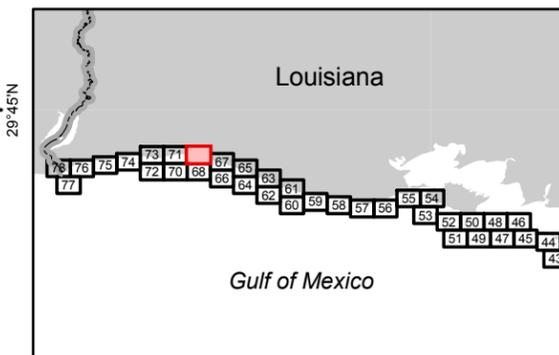
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- Identified items:
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 - ■ ■ > 5 ft. est. clearance depth
 - ▨ Proposed survey area
 - Project survey completed
 - Removal area

Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

- ⚓ Buoy (red, green, other)
 - ⚓ Lighted buoy (red, green, other)
 - ▲ △ □ ○ Day marker (red, green, other)
 - ⚓ Lighted marker (red, green, other)
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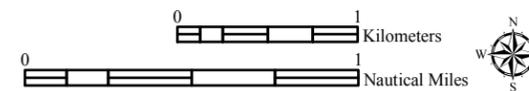


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SURVEY RESULTS MAP

Gulf Of Mexico Marine Debris Project

Map: Cameron, LA - 71
Map Produced: Feb 12, 2009
Survey Dates: Nov 18, 2008 to Dec 7, 2008

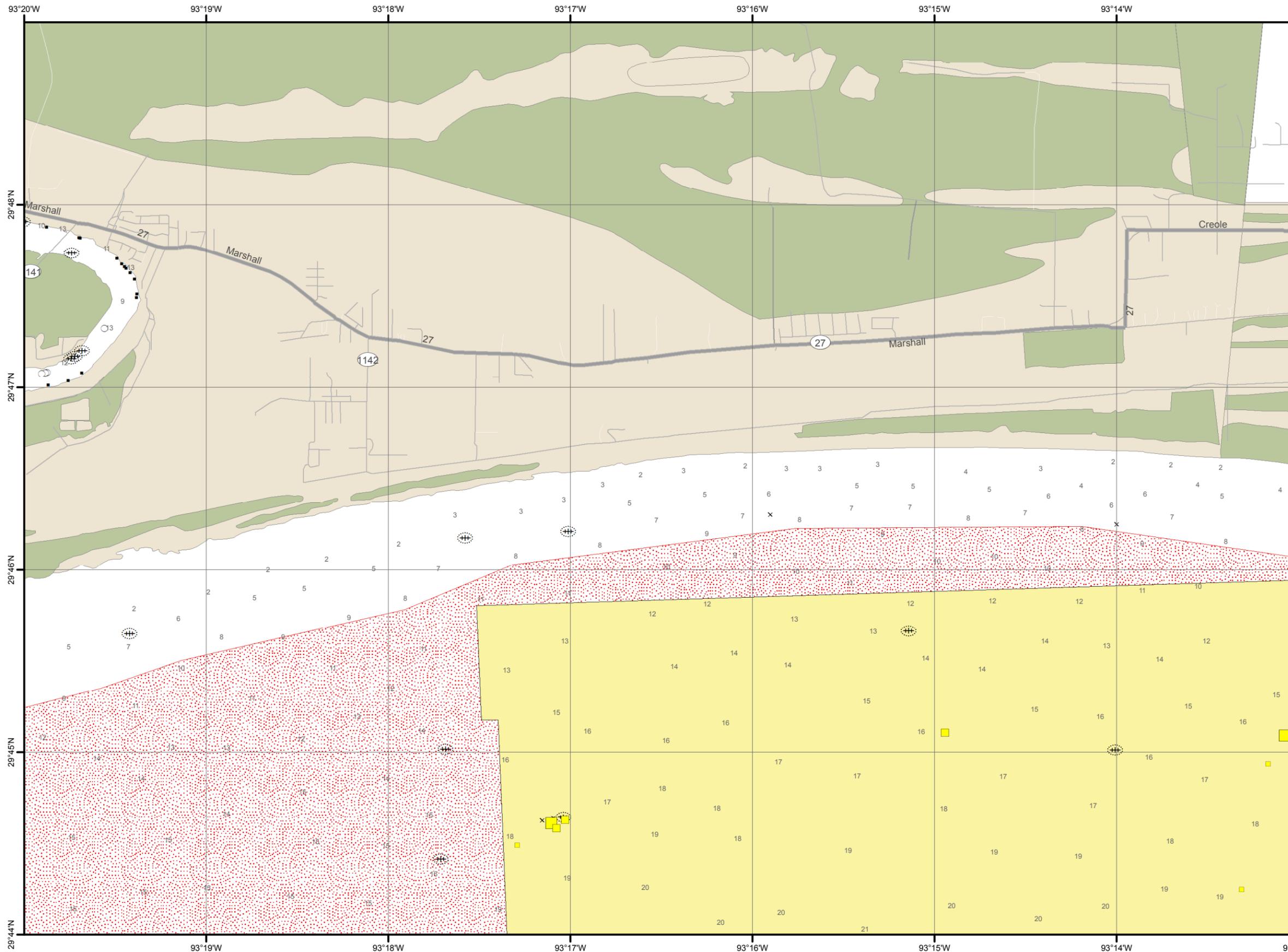
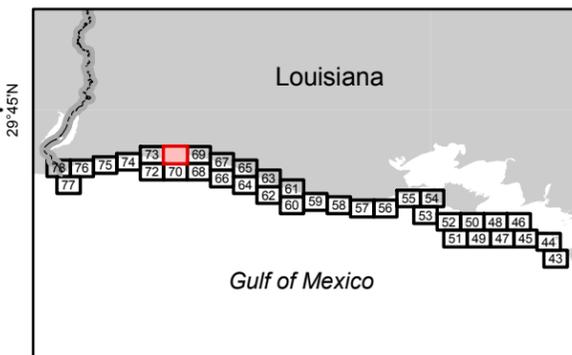
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 - ■ ■ > 5 ft. est. clearance depth
 - ▨ Proposed survey area
 - ▩ Project survey completed
 - Removal area

Some background features extracted from applicable NOAA Electronic Nautical Charts (ENC) using the most recent issue date available as of January 14, 2008.

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 - ⚓ Lighted buoy (red, green, other)
 - ▲ △ □ Day marker (red, green, other)
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