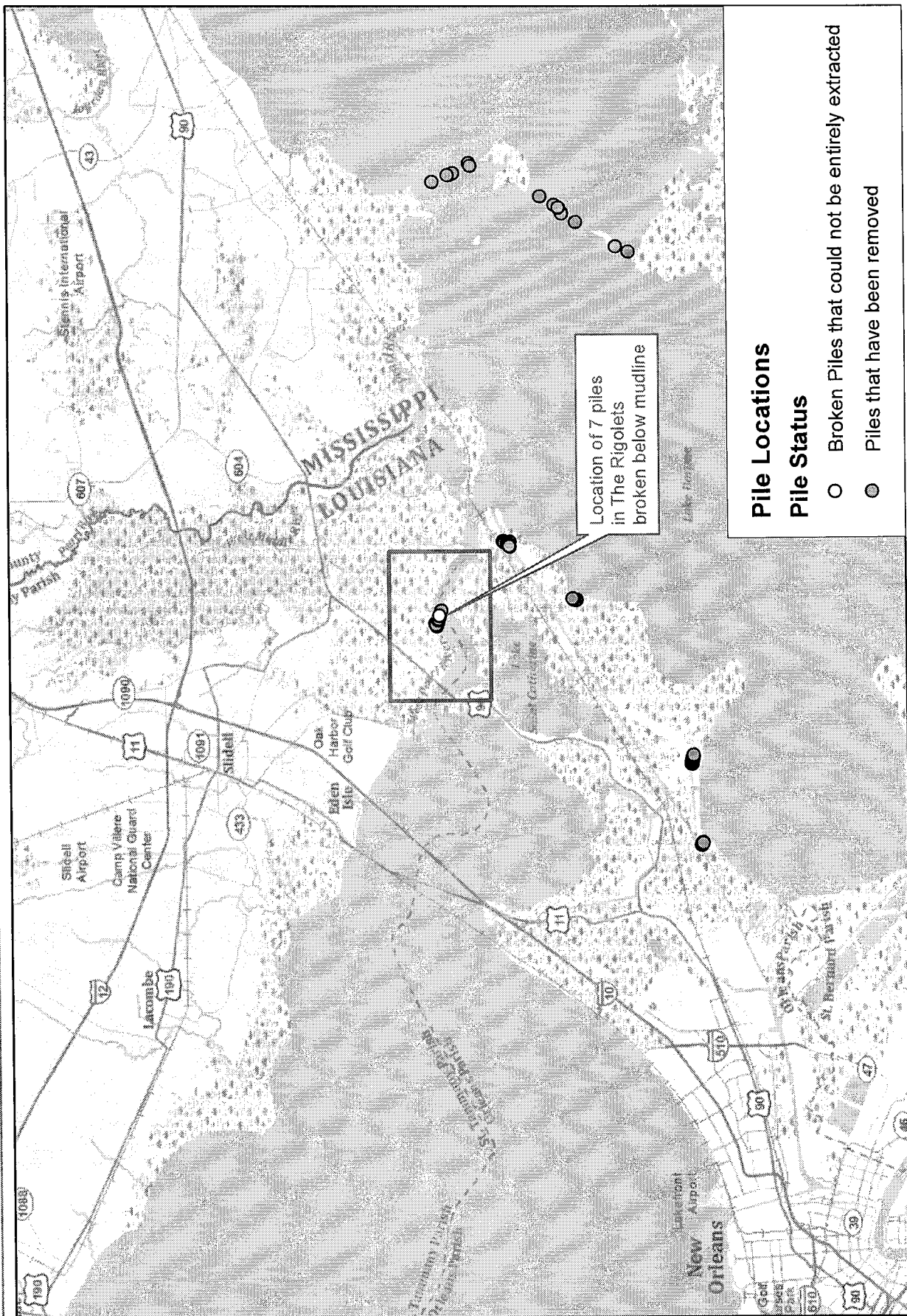
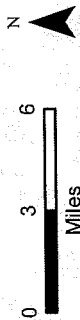


Request to leave broken piles
in place, P20101354

Deepwater Horizon - 3/12/2011



Pile Locations

Pile Status

- ☐ Broken Piles that could not be entirely extracted
- ☒ Piles that have been removed

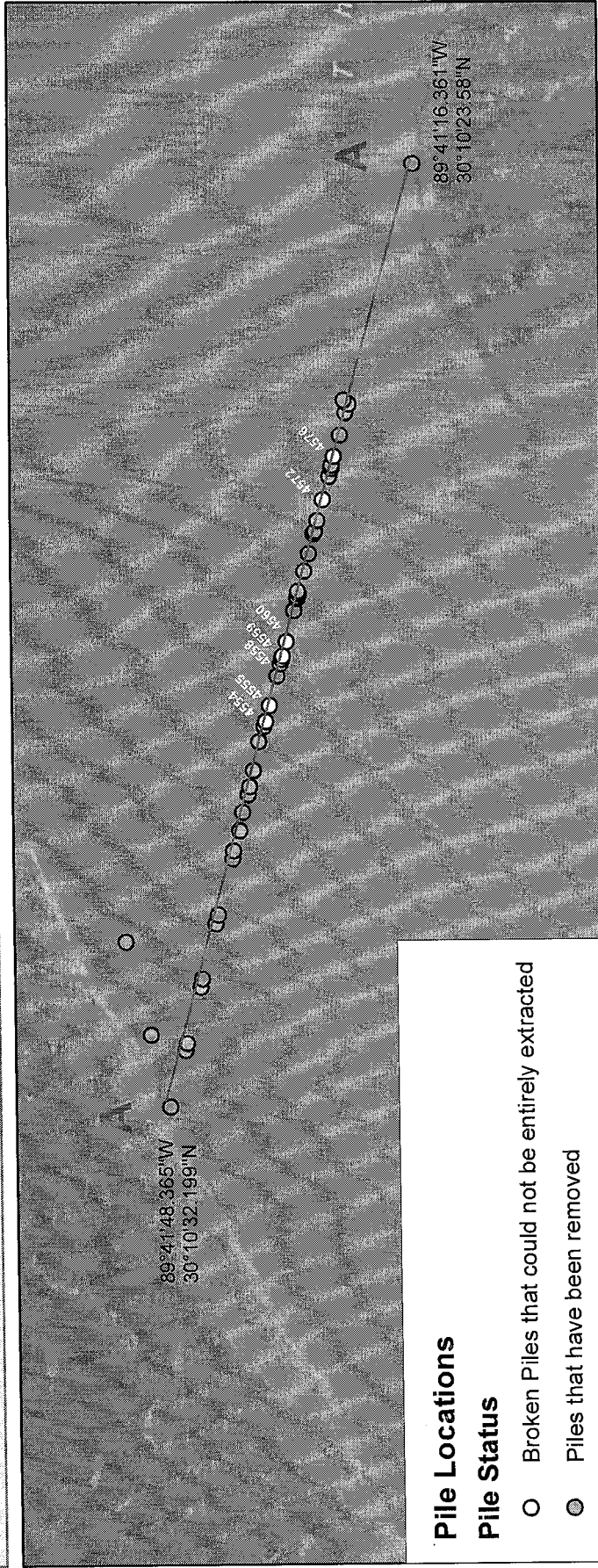


0 500 Feet

The Rigolets Detail

Deepwater Horizon - 3/12/2011

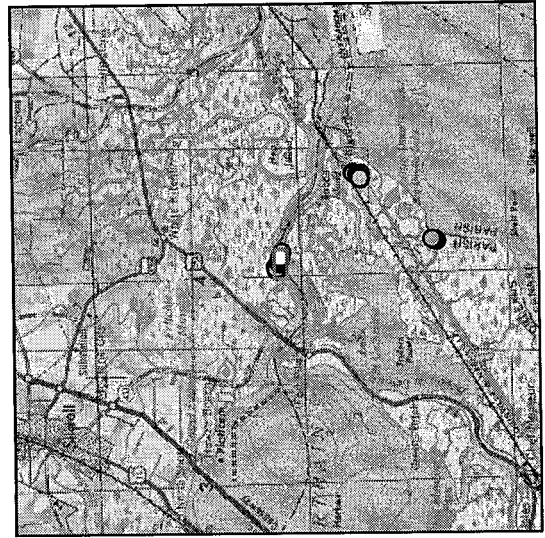
Request to leave broken piles
in place, P20101354



Pile Locations

Pile Status

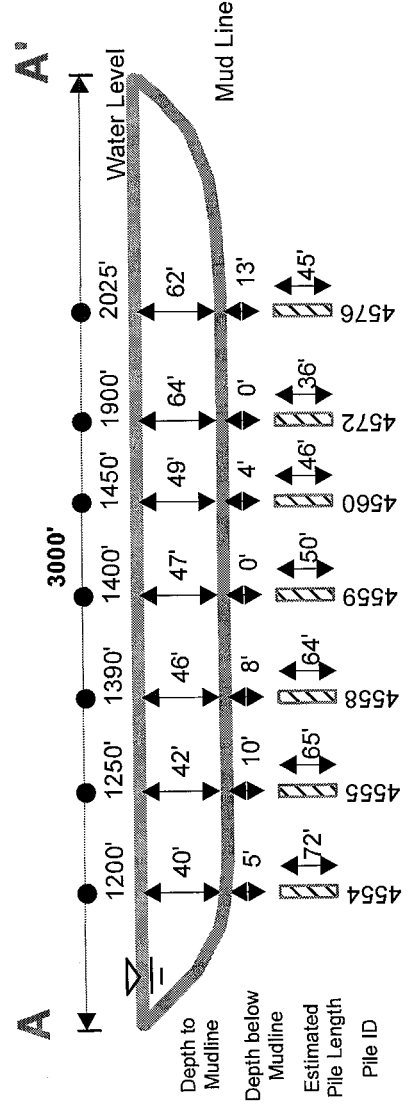
- Broken Piles that could not be entirely extracted
- Piles that have been removed



89°41'48.365\"W
30°10'32.199\"N

89°41'16.361\"W
30°10'23.58\"N

Drawing Not To Scale



3/13/2011 Request to leave-in-place Seven (7) Steel piles, 30" and 36" diameter in the Rigolets; five (5) broke below the mud line, two (2) were cut at the mud line

Coastal Use Permit Number P20101354

US Army Corps Permit: None (approval of work plan to remove these specific "unpermitted" piles received in November 2010 from Michael Farabee)

Location of submerged piles stubs to remain in place

Point Number	Diameter	Lat	Long	Date Broken	Date cut at mud line	Notes
4558	30"	30°10'28.02"	89°41'33.25"	2/13/2011	n/a	Depth of break (8') calculated
4559	30"	30°10'28.01"	89°41'33.16"	2/13/2011	2/17/2011	Cut at mud line; unable to extract or drive
4560	30"	30°10'27.86"	89°41'32.66"	2/13/2011	n/a	Depth of break (4') calculated
4555	30"	30°10'28.45"	89°41'34.84"	2/14/2011	n/a	Depth of break (10') calculated
4554	30"	30°10'28.59"	89°41'35.37"	2/14/2011	n/a	Depth of break (5') calculated
4576	36"	30°10'26.21"	89°41'26.42"	2/14/2011	n/a	Depth of break (13') calculated
4572	30"	30°10'26.58"	89°41'27.86"	2/14/2011	2/17/2011	Cut at mud line; unable to extract or drive

These 7 steel piles, originally ranging in length from 117 to 140 feet, broke during the extraction process on February 13 – 14. Five (5) broke 4 to 13 feet below the mud line. Two (2) others that broke above the mud line were cut at the mud line on February 17.

Reasons that these 7 steel piles stubs could not be removed and could not be driven deeper include the following:

- Currents during flood stage in this area of the Rigolets approach 3 knots which created serious safety exposures to the supporting dive team
- The lack of sufficient pipe wall thickness, poor welding and observed corrosion on all the piles that were removed from the Rigolets led us to believe that the broken, submerged steel would not survive additional mechanical (vibration) energy without disintegrating further; if they disintegrated during this process, it would pose additional and unacceptable safety hazards to our dive team

Because the mud line is relatively deep in this area (40 to 64 feet below the water surface at low water), because no portion of the remaining pile stubs penetrate the mud line, and given that this does not appear to be a dredge maintained waterway, we believe the buried piles pose no future threat to navigation or fisheries in the area.

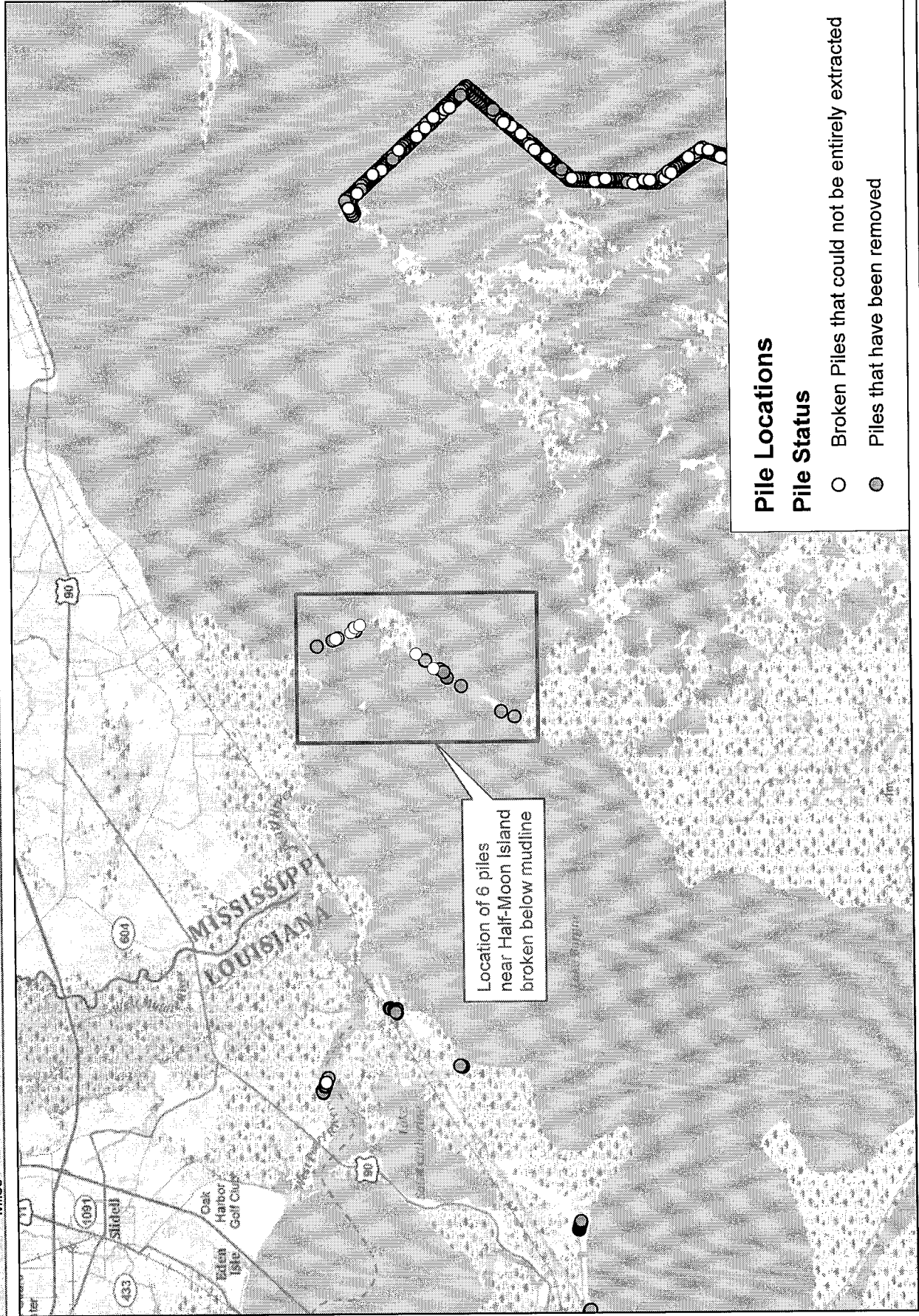
Attached plats:

1. The Rigolets Vicinity Map
2. The Rigolets Steel Pilings Plan View and Cross-sectional representation

As-built for broken piles
left in place, P20101354

Half Moon Island Vicinity Map

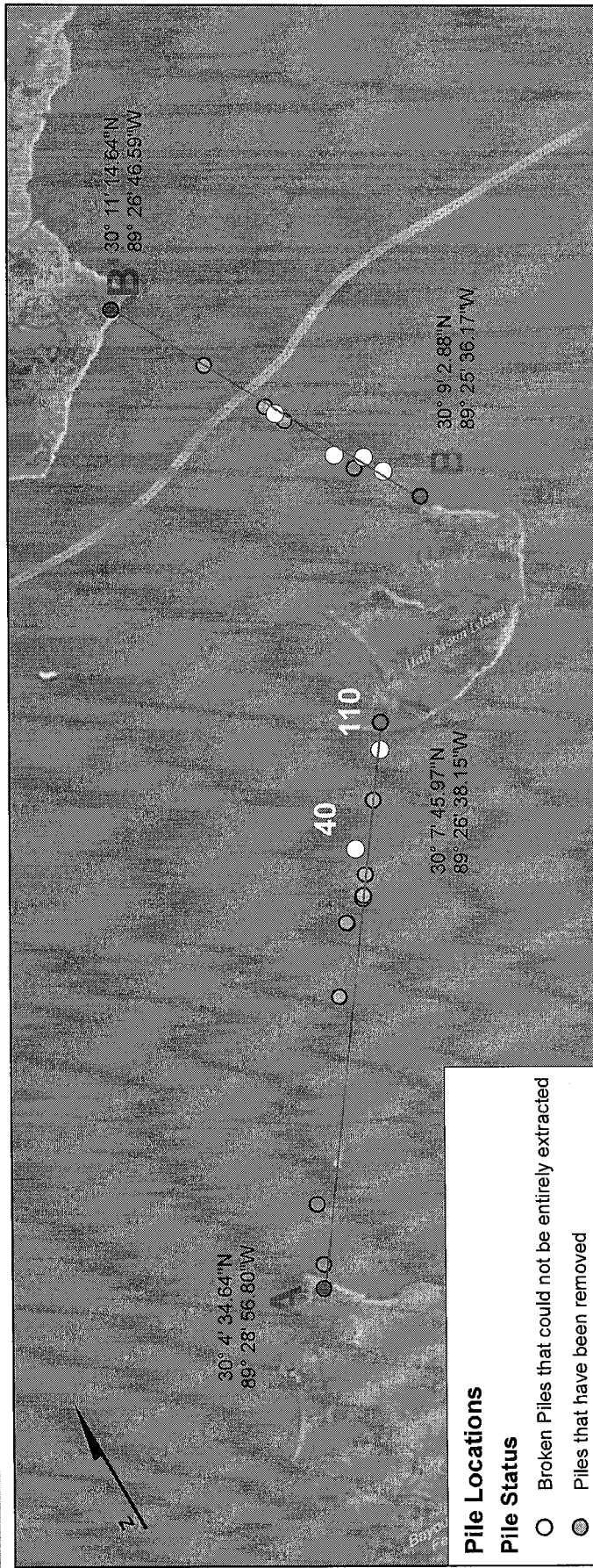
Deepwater Horizon - 3/18/2011



Half Moon Island Detail

Deepwater Horizon - 3/18/2011

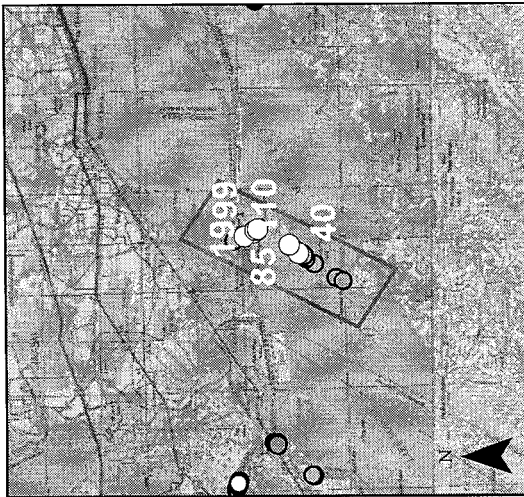
As-builts for broken piles
left in place, P20101354



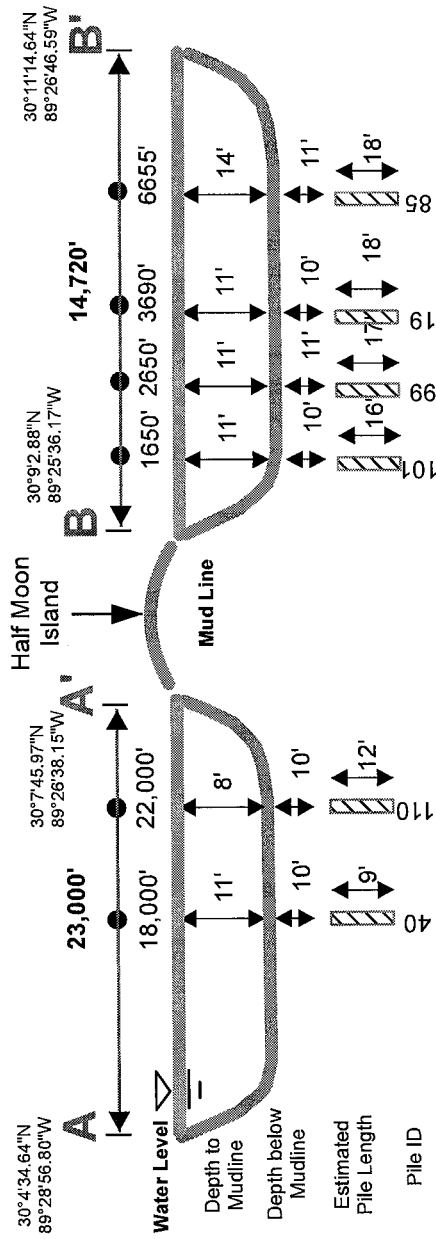
Pile Locations

Pile Status

- Broken Piles that could not be entirely extracted
- Piles that have been removed



Drawing Not To Scale



3/18/2011 Request to leave-in-place Six (6) Chromate-Copper-Arsenate (CCA)-treated wooden piles broken and driven below the mud line near Half Moon Island

Coastal Use Permit Number P20101354

US Army Corps Permit: None (approval of work plan to remove these specific “unpermitted” piles received in November 2010 from Michael Farabee)

Location of submerged piles stubs to remain in place

Point Number	Lat	Long	Date Broken	Date Driven deeper below mud line
101	30°09'18.09"	89°25'42.83"	2/25/2011	3/11/2011
99	30°09'27.27"	89°25'47.09"	2/25/2011	3/11/2011
19	30°09'34.34"	89°25'57.32"	2/25/2011	3/11/2011
85	30°10'01.70"	89°26'10.10"	2/25/2011	3/12/2011
110	30 07'38.05"	89 26'42.96"	n/a	3/10/2011
40	30 07'07.33"	89 27'12.79"	n/a	3/10/2011

These 6 CCA piles, originally 30 – 40 feet in length, broke during the extraction process and because of the location of the remaining stubs, all were then driven 10 feet or more below the mud line in March 2011.

Attached plats:

1. Half Moon Island Vicinity Map
2. Half Moon Island Remaining Piles Plan View and Cross-sectional representation