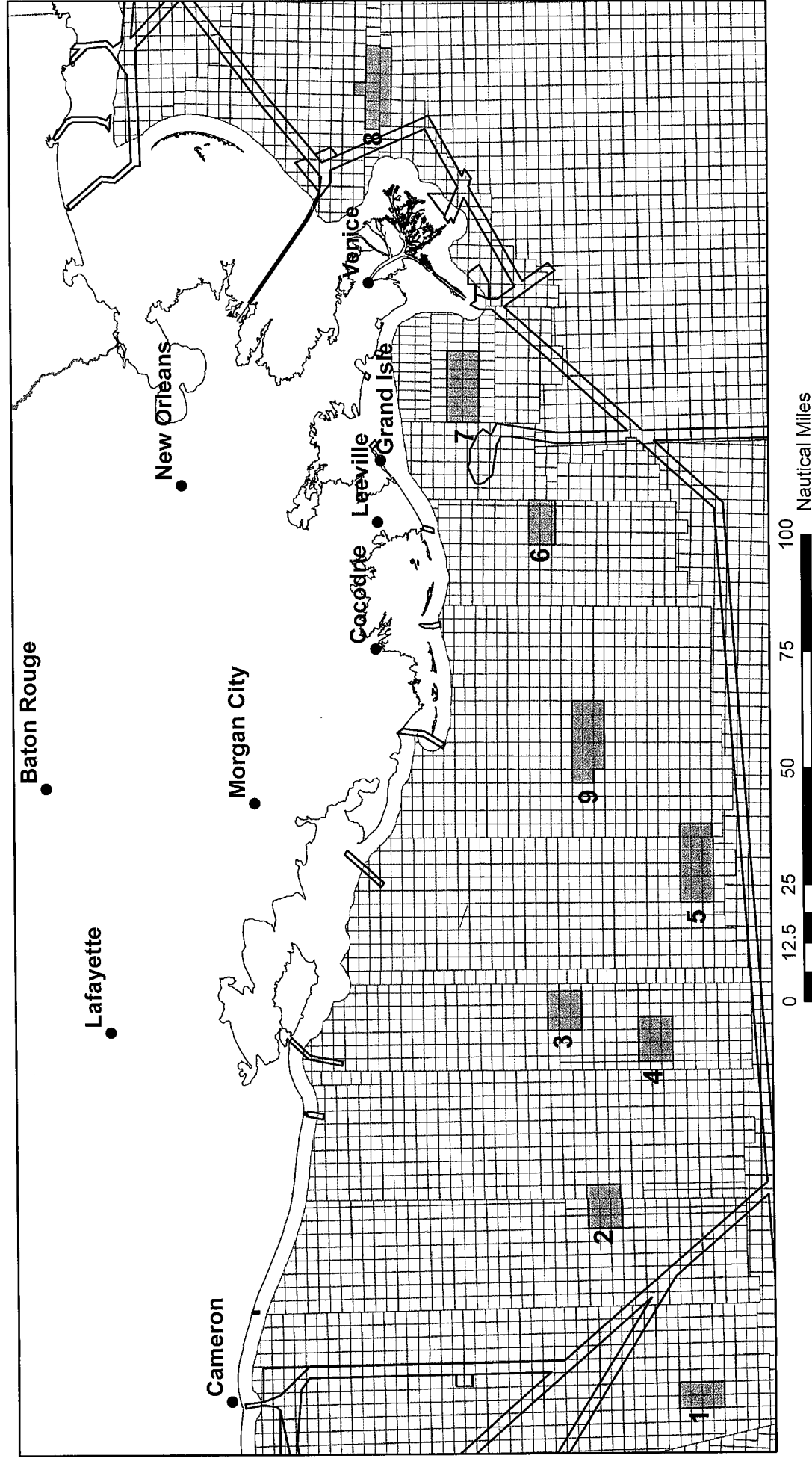


Louisiana Artificial Reef Planning Areas

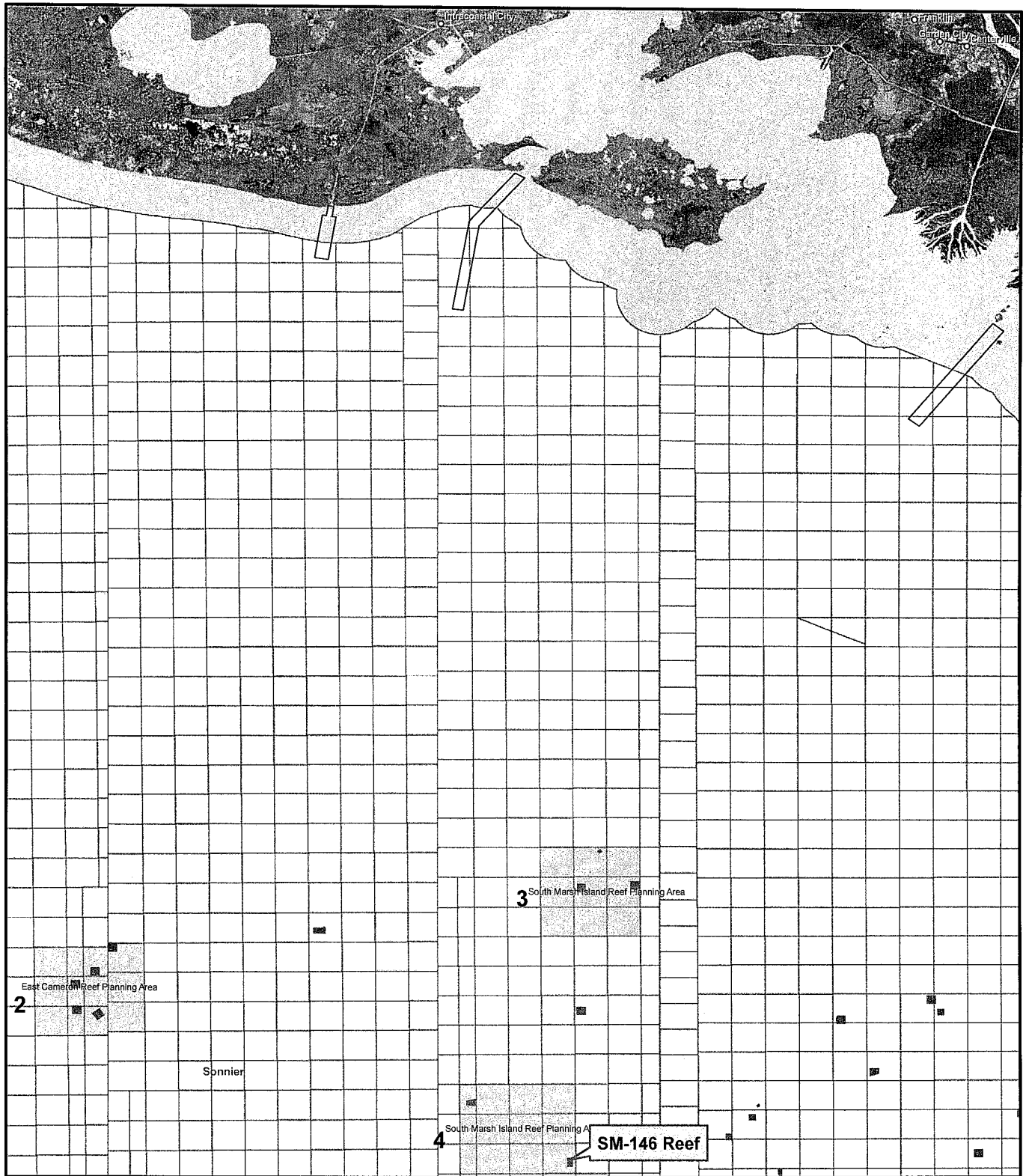


- Planning Areas**
- Planning Areas
 - Fairways
 - OCS Blocks

Planning Areas

1. West Cameron Planning Area
2. East Cameron Planning Area
3. South Marsh Island (76) Planning Area
4. South Marsh Island (146) Planning Area
5. Eugene Island Planning Area
6. South Timbalier Planning Area
7. West Delta Planning Area
8. Main Pass Planning Area
9. Ship Shoal Planning Area

Louisiana Artificial Reef Program



- Planning Area
- Permitted Reef Sites
- Fairways
- OCS Blocks

0 5 10 20 Nautical Miles

SM-146 Reef Vicinity Map



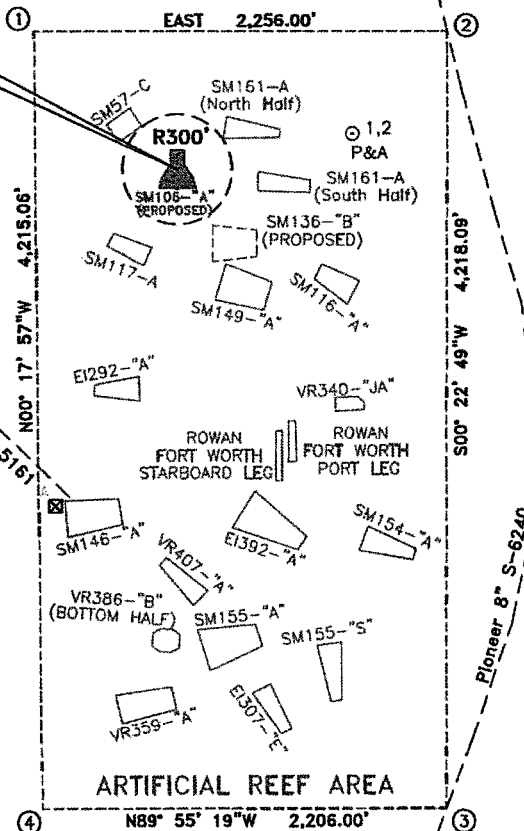
SM106-"A" Jacket in Prop
Reef Position (Orientation
to be Field Determined)

NAD27-LA SOUTH
X= 1,792,259'
Y= -160,381'
Lat. 28° 13' 26.703"N
Lon. 91° 58' 41.321"W

NAD83-LA SOUTH
X= 3,073,061.05'
Y= -99,680.62'
Lat. 28° 13' 27.601"N
Lon. 91° 58' 41.726"W

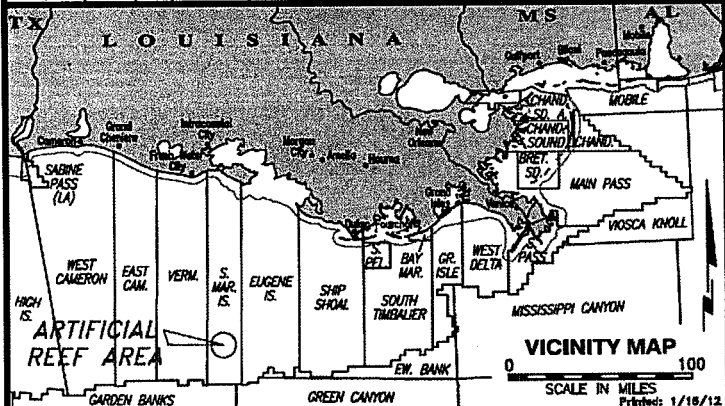
SM146
OCS-G-09546
McMoRan, XT0

SM145



ARTIFICIAL REEF BOUNDARIES

CORNER	X COORDINATE	Y COORDINATE	LATITUDE	LONGITUDE
1	1,791,479.00'	-159,633.00'	28° 13' 34.064"N	91° 58' 50.089"W
2	1,793,735.00'	-159,633.00'	28° 13' 34.189"N	91° 58' 24.880"W
3	1,793,707.00'	-163,851.00'	28° 12' 52.440"N	91° 58' 24.929"W
4	1,791,501.00'	-163,848.00'	28° 12' 52.347"N	91° 58' 49.577"W



Apache

SOUTH MARSH ISLAND 106 - "A"
PROPOSED REEF POSITION
BLOCK 146
SOUTH MARSH ISLAND AREA
GULF OF MEXICO

FUGRO CHANCE INC.
200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 232-1300

GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNITS: US SURVEY FEET

SCALE 0 1,000'
IN FEET

Job No.: 1200079 Date: 1/16/12 Drwn: SJL

Chart: 1 Of: 2

Dwgfile: H:\2012\1200079\CAD\1200079A

GRID NORTH

WATER LINE

Established Reef Clearance
85-ft as established and charted

APPROX. 189' CLEARANCE

APPROX. 122' CLEARANCE

Proposed Structure Clearance 122-ft

56'

123'

MUD LINE
(ELEV. -245')

208'

NOTES:

- 1) 21 MILES TO NEAREST SHIPPING FAIRWAY.
- 2) CLEARANCES BASED ON CONSTRUCTION DRAWINGS.

Apache

**SOUTH MARSH ISLAND 106 - "A"
IN PROPOSED REEF POSITION**

BLOCK 146
SOUTH MARSH ISLAND AREA
GULF OF MEXICO

FUGRO CHANCE INC.
200 Dulles Dr. Lafayette, Louisiana 70508-3001 (337) 237-1300



GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNITS: US SURVEY FEET

SCALE
IN FEET

0 60'

Job No.: 1200079

Date: 1/16/12

Drwn: SJL

Chart: Of:

Printed: 1/16/12

Dwgfile: H:\2012\1200079\CAD\1200079B

2 2