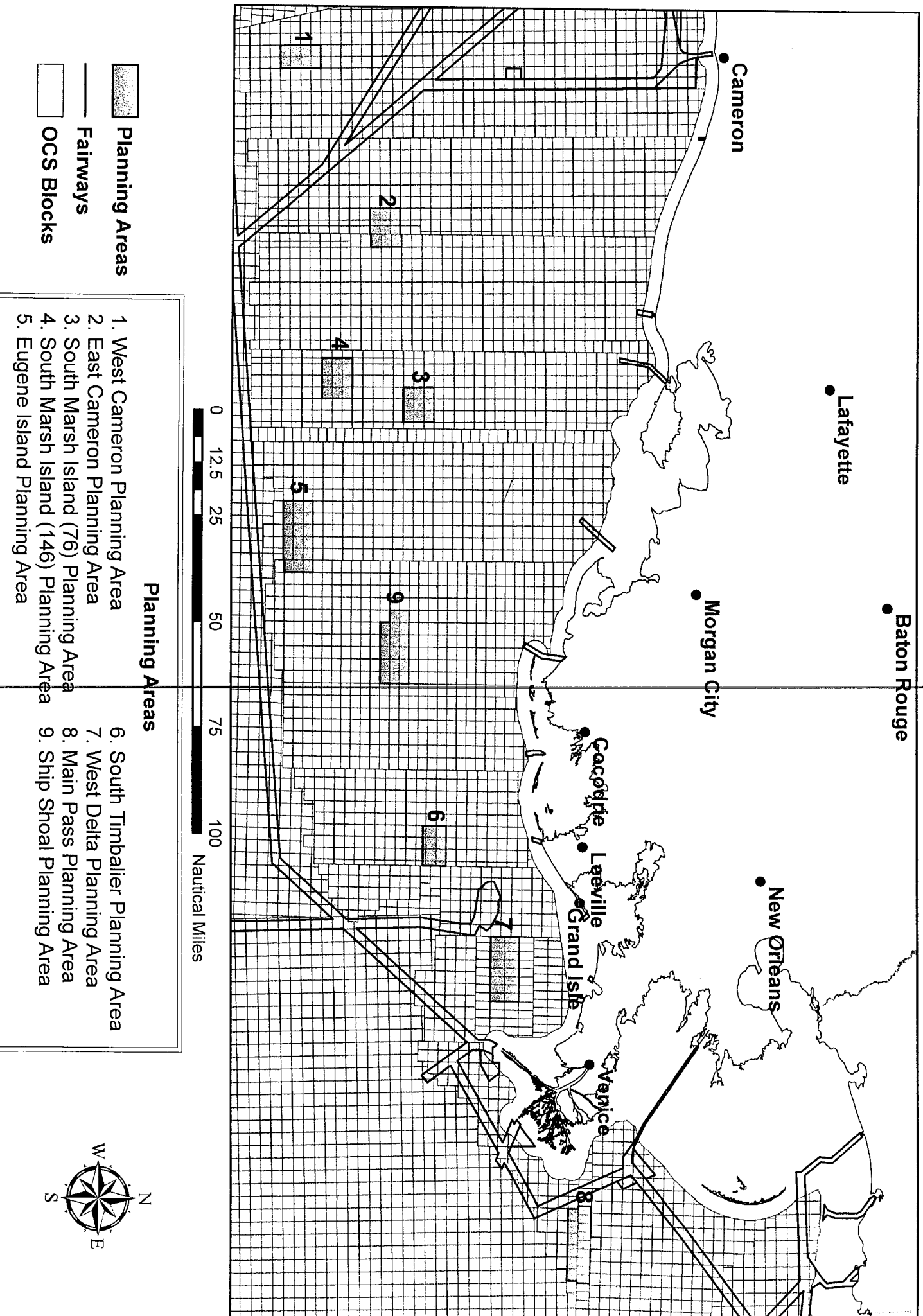
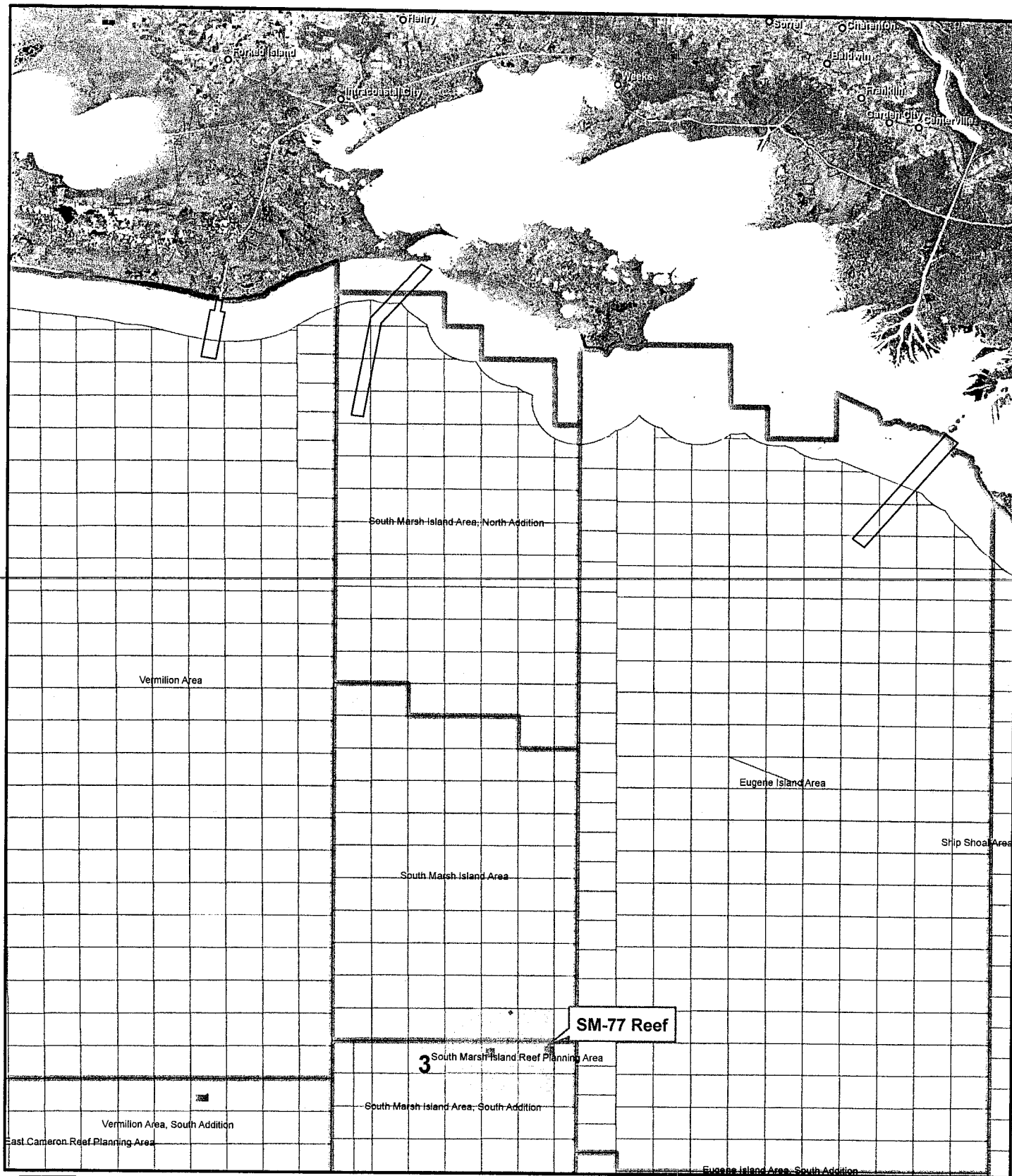


Louisiana Artificial Reef Planning Areas



Louisiana Artificial Reef Program



Planning Area

Permitted Reef Sites

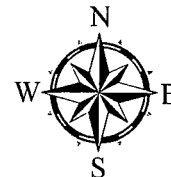
Fairways

OCS Blocks

0 5 10 20

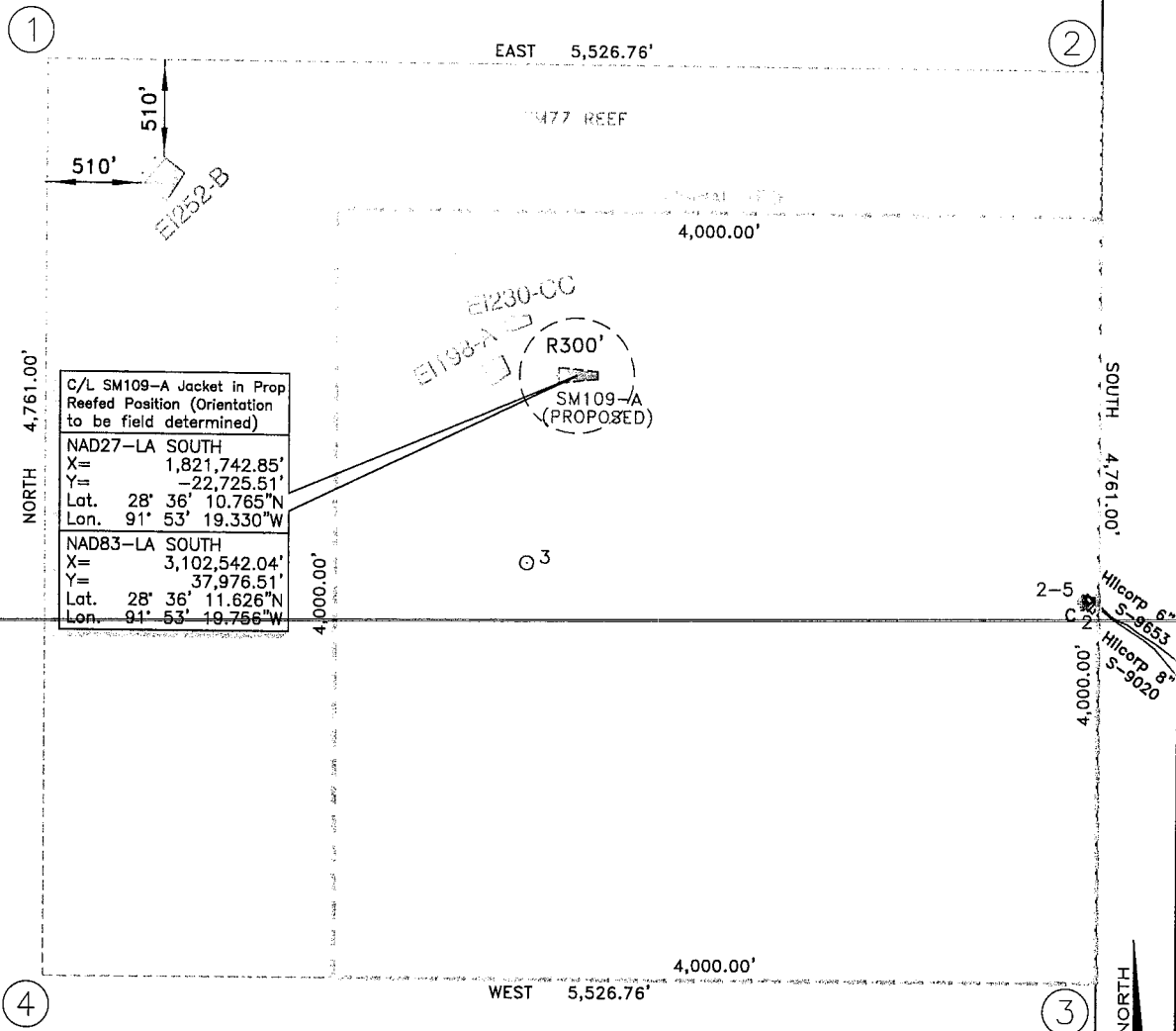
Nautical Miles

SM-77 Reef Vicinity Map

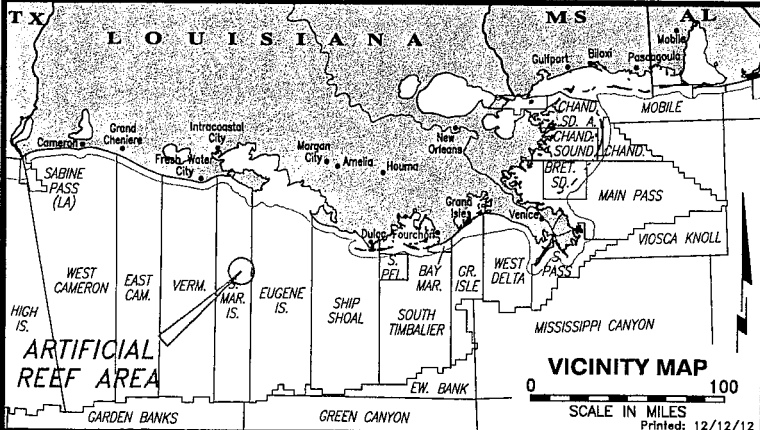


SM78

Hilcorp



LOCATION	X COORDINATE	Y COORDINATE	LATITUDE	LONGITUDE
1	1,818,952.00'	-21,115.00'	28° 36' 26.573"N	91° 53' 50.720"W
2	1,824,478.76'	-21,115.00'	28° 36' 26.838"N	91° 52' 48.731"W
3	1,824,478.76'	-25,876.00'	28° 35' 39.710"N	91° 52' 48.476"W
4	1,818,952.00'	-25,876.00'	28° 35' 39.445"N	91° 53' 50.458"W



BLOCK 77
SOUTH MARSH ISLAND AREA
GULF OF MEXICO

FUGRO CHANCE INC.
200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300

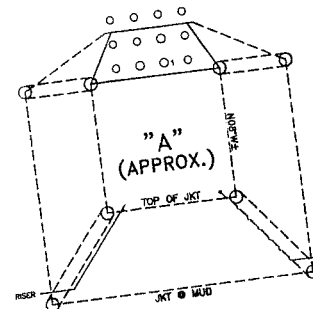
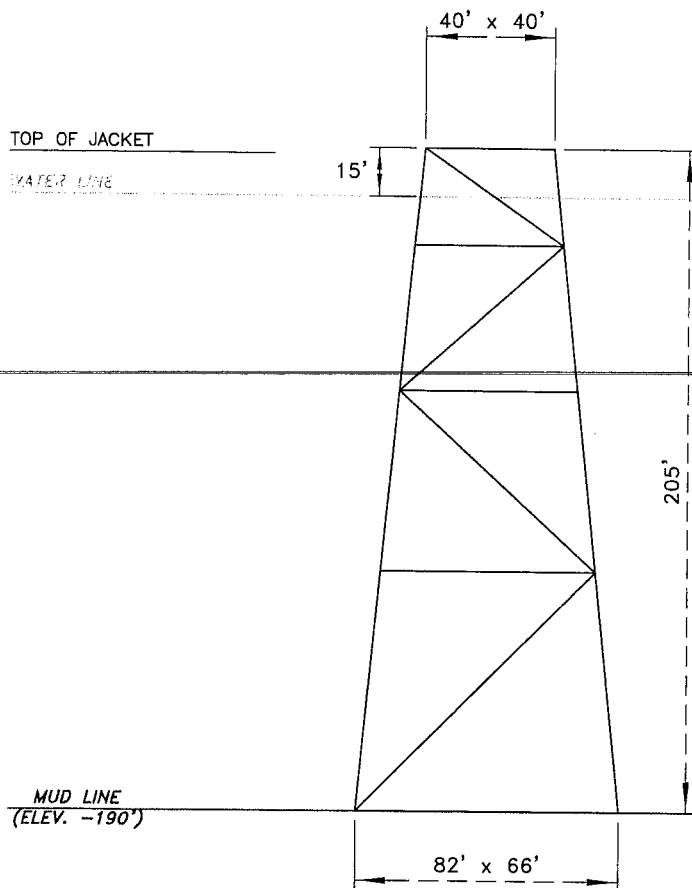
GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNITS: US SURVEY FEET

SCALE 0 1,000'

Job No.: 1202776	Date: 12/12/12
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Chart:	Of:
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Dwgfile: H:\2012\1202776\CAD\1202776A



PLAN

PROFILE



SOUTH MARSH ISLAND 109 - "A"
TO BE REEFED

BLOCK 77
SOUTH MARSH ISLAND AREA
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300

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

SCALE 0 60'
IN FEET

Job No.: 1202776 Date: 12/12/12

Drwn: SJL

Chart: Of:

Dwgfile: H:\2012\1202776\CAD\1202776B

2 3

Printed: 12/12/12

WATER LINE

Established and Charted
Reef Clearance: 51-ft

APPROX. 100'
CLEARANCE

Proposed Structure Clearance 74-ft

APPROX. 74'
CLEARANCE

40'

66'

MUD LINE
(ELEV. -140')

205'

PROFILE

NOTES:

- 1) 47 MILES TO NEAREST SHIPPING FAIRWAY.
- 2) CLEARANCES BASED ON CONSTRUCTION DRAWINGS.



Dynamic Offshore
RESOURCES

SOUTH MARSH ISLAND 109 - "A"
IN PROPOSED REEF POSITION

BLOCK 77
SOUTH MARSH ISLAND AREA
GULF OF MEXICO

FUGRO CHANCE INC.

200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1500



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

SCALE 0 60'
IN FEET

Job No.: 1202776 Date: 12/12/12

Drwn: SJL

Chart: Of:

Printed: 12/12/12

Dwgfile: H:\2012\1202776\CAD\1202776B

3 3