

MARINE ADVISORY BULLETIN
FISHERIES

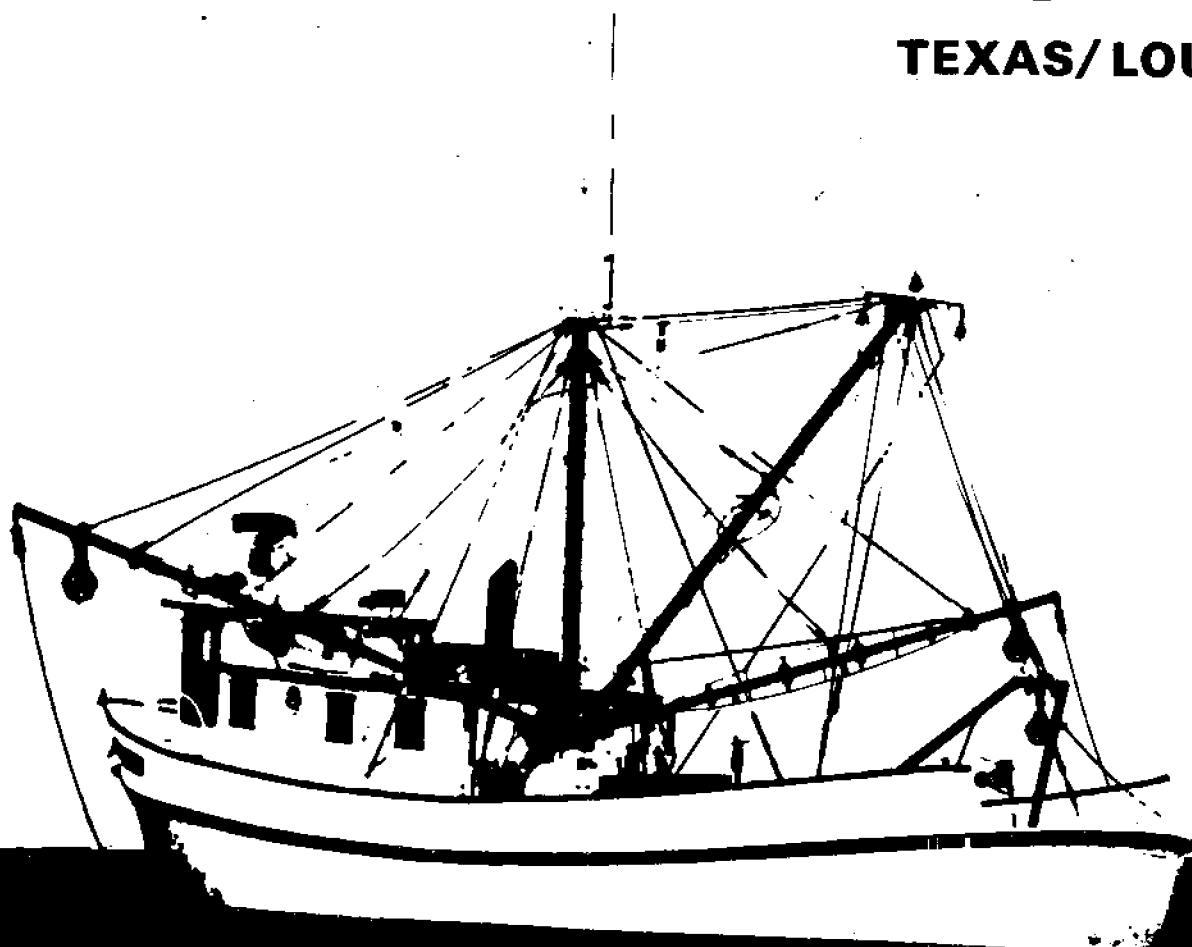
Texas A&M University - Sea Grant Program
Texas Agricultural Extension Service

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BOTTOM FISHING OBSTRUCTIONS:

TEXAS/LOUISIANA
GULF

September 1975
TAMU-SG-76-502



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by
Gary L. Graham*
Texas Agricultural Extension Service

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PREFACE

This book is dedicated to my friends, the fishermen of the Gulf of Mexico, without whose cooperation its production would not have been possible. This collection of information is made available from Texas A&M University through the Texas Agricultural Extension Service and Sea Grant Program.

This book is not complete, for the accumulation, deletion and revision of bad bottom information is a continuing process. It is almost as important for an incorrect reading to be removed as it is for a correct reading to be added. With the continued cooperation of the fishing industry it will be possible for this book to be progressively updated. Many readings that were not confirmed were verified by fishermen who knew of their existence. If a fisherman feels that a hang is questionable, it will be subject to removal. This was done during the new revision; however, more readings will certainly be eliminated as this work progresses.

This information was gathered by fishermen while often under stress due to weather, strenuous work, and anticipation of lost fishing gear. It is remarkable that the readings are as accurate and dependable as they seem to be.

THE BOOK AND ITS ACCURACY

When working from this book, readings should be compared on the chart due to necessary distortions that this cataloging technique may impose. Due to ridges and irregular depth curvatures in the Gulf, it is possible for a shallower reading to be found farther offshore than a deeper reading.

Ordinarily, visible obstructions and a very large percentage of announced oil company caps and completions are not included.

Several factors concerning the accuracy should be noted. It is extremely difficult to know when a hang has been moved. Also important is the possibility that some readings are mud hangs instead of obstructions. It is sometimes quite difficult to differentiate between the two. Every attempt was made in the accumulation of this information to omit mud hangs, unless a number of vessels could be affected by them. Some erroneous readings due to mudding have been removed from this book after they were brought to my attention by observant fishermen. Most mud readings that are intentionally included are so designated.

A hang may have several different, but close, readings. One fisherman may have reported an obstruction with one Loran fix and another the same obstruction with a slightly different reading. The variation of these readings is very valuable for confirmation purposes. If the total differences in readings equals 8-microseconds or less, the readings will be considered the same. A 4-microsecond berth should be given all hangs.

In large areas of bad bottom, such as the Westerly 27's or the 30 Fathom Rock south of Freeport, many digits are required to define an area. This information encompasses the general areas of bad bottom and often does not give exact boundaries.

Often, only one station and a single depth of water are used in the location of a hang. Because of differences in many fathometers and individual preferences in taking soundings from the "0 line" or a certain distance down on the recording paper, depths commonly will vary. Errors also may be incurred due to differences in tidal fluctuations. An attempt was made to record readings in actual depths. When differences in water depth of the same hang are reported, the different depths appear. It is suggested that extreme caution be used when depending upon a single reading and a single depth of water. It is believed that much accuracy is lost due to these factors.

TECHNICAL INFORMATION ON LAYOUT

Each page in this book represents 100 microseconds of either the 3H3 or 3H2 Loran stations. The book begins with the 1000 line of 3H3 Loran station in the offshore waters of Brownsville and progresses up the Texas Coast to the 4000 line of 3H3 in the Galveston area. To proceed eastward from Galveston, the 4000 line of 3H2 will be the first page to be used. Each page descends in order of the 3H2 Loran station until the 1000 line of 3H2 is reached in the fishing areas off the Southwest Pass of the Mississippi River.

All readings are equal on the line dividing the 3H3 and 3H2 stations, which extends from Gilchrist through Heald Bank to east of the Claypile. Every reading is catalogued by its lower station and is sometimes placed on the other station for usage.

Each page is divided into ten columns. Each column represents ten microseconds of the number which is listed at the top right corner of the page. Located vertically along the outer margins of each page are numbers representing the depth of water in fathoms.

The Loran reading of an underwater obstruction is found on the page which represents the area in which it is located, under the proper column in accordance to its last two digits, and arranged vertically on the page in relation to its depth.

TECHNICAL ASPECTS OF THE LORAN A

The first principle that should be understood in the use of Loran A is that of the base line extension. The base line extension is an imaginary line adjoining the two transmitting stations and extending outward. A Loran reading that is taken in the adjacent areas of the base line extensions might be considered questionable.

Another matter of importance is the method of taking a Loran reading. There appear to be different methods along the coast for matching of the master and slave pulses in function 3. For maximum accuracy, the LEADING LEFT EDGES of the pulses should be exactly imposed. Failure to do this may result in an error of several microseconds.

THIS CATALOGING SYSTEM IS NOT PERFECT: IT IS SIMPLY THE BEST METHOD THAT HAS BEEN FOUND TO WORK.

Gary Graham
County Extension Office
Angleton, Texas 77515

Gratitude is expressed to the following fishermen for donating their time and information for this publication.

Capt. Wes Albright	O. S. Miss Universe
Capt. Charles Allan	O. S. Rebel Flag
Capt. Manuel E. Almandariz	O. S. Midway
Capt. Earl Authur	O. S. Maecella
Capt. Ned Barron	O. S. Galeb
Capt. Ted Bates	O. S. Lady Muriel
Capt. Tinsy Bell	O. S. Robin Lee
Capt. Jerry Bentley	O. S. Dianne G.
Capt. Jean Boykin	O. S. Regina Gay
Capt. Tommy Boykin	O. S. Mary Jane
Capt. Joe Brazeale	O. S. Little Hornet
Capt. Donald Brummel	O. S. Lady Brenda
Capt. Loyd Buckite	O. S. Blue Fox
Capt. Earl Buie	O. S. Trixie
Capt. Lee Buie	O. S. Kamron K.
Capt. Charles Burnell	O. S. Candy Man
Capt. Phillip Cantrell	O. S. Southern Bell
Capt. F. G. Christ	O. S. Shady Lady
Capt. Floyd Condit	O. S. Proud Rebel
Capt. E. L. Cooper	O. S. Seminole
Capt. Nick Costello	O. S. Helen G.
Capt. Douglas Cox	O. S. Mar Del Norte
Capt. Clarence Culp	O. S. Miss Yo Yo
Capt. Paul Daniels	O. S. Golden Dawn
Capt. Arnold Davila	O. S. Joker
Capt. Larry Derooven	O. S. George C.
Capt. Martin DeRick	O. S. East Bank
Capt. Marvin Dickey	O. S. Mashelyn
Capt. Bob Doyle	O. S. Blood and Guts
Capt. Hilliry Duval	O. S. Roselle
Capt. Hollis Forrester	O. S. Dorothy F.
Capt. Jack Forrester	O. S. Carleen F. II
Capt. Michael Forrester	O. S. Michael F.
Capt. Lolo Flores	O. S. Capt. Lolo
Capt. Robert Flores	O. S. Mister Charlie
Capt. David Hawes	O. S. Honey O.
Capt. Henderson	O. S. Arsco
Capt. Larry Henson	O. S. Lady Corine
Capt. Lindbergh Holden	O. S. Three Sisters
Capt. Bob Holloman	O. S. Lisa Arleen
Capt. John Holm	O. S. Sea Hawk
Capt. Bob Huss	O. S. Pride of Freeport
Capt. David Jentry	O. S. Holy Cross
Capt. Doc Jones	O. S. Dor-Jon I
Capt. E. J. Jones, Jr.	O. S. Katherine H.
Capt. Everett Jones	O. S. Valley Tide
Capt. Leroy Kiffe	O. S. Debbie Ellane
Capt. Manuel Mello	O. S. Gulf Seas
Capt. Tom McGuinn	O. S. Barbara McGuinn
Capt. Manuel Miller	O. S. Manuel M.
Capt. Joe Milstead	O. S. Miss Mary Ann
Capt. Bill Mistich	O. S. Owner's Pride
Capt. Robert Montiel	O. S. Kismet
Capt. Wesley Moore, Jr.	O. S. Dr. Jean B.
Capt. Jim McMurrey	O. S. Gus III
Capt. Raymond "High Pockets" Nead	O. S. Golden West

Capt. Vonnie Odom
Capt. Alan Pace
Capt. Joe Pack
Capt. Bill Patterson
Capt. Clifford Riggs
Capt. Pete Rodriguez
Capt. Gus Rumpf
Capt. Tom Rusoe
Capt. Mike Smirtz
Capt. George Sniedell
Capt. Tucker
Capt. Red Turner
Capt. Kinney Vandergrift
Capt. James Via
Capt. Ben Watson
Capt. Terry Whitworth
Capt. Lewis Williams
Capt. Franklin Wiseman
Capt. Jerry Wylie
Capt. Pee Wee Young
Capt. George Zac

O. S. Capt. Earl
O. S. Mary M.
O. S. Lady Cyleen
O. S. Robin Lee
O. S. Captain Mary
O. S. Lillian R.
O. S. Caravelle
O. S. Raymond
O. S. Spartan
O. S. Coral Mist
O. S. Mary M.
O. S. Sister Francis
O. S. Iris Ann
O. S. Capt. John
O. S. San Padre
O. S. Cutlass
O. S. La Soy Como Soy
O. S. Lil Franklin
O. S. LaFourche
O. S. Athene
O. S. Tobacco Road

Special thanks to Cap and Capt. Mam of the Gus III for the countless hours they spent with me in the development of this bottom information.

READING OF CHARTS

ex - READING THOUGHT TO BE EXACT

 - BROKEN BOTTOM

H - HOLE

T H - TOE HEAD

Wr - WRECK

R - ROCK

Cor - CORAL

 - FATHOM

 - FEET

C - CAPPED WELL

App - APPROXIMATE

3373²₇ - EXTENSION OF BAD BOTTOM 3373 THROUGH 3383

3373⁶₂ - DIFFERENT READINGS OF THE SAME HANG (Conformation)

 - ?

FATHOMS

3H3 1000

0 - 9

10 - 19

20 - 29

30 - 39

40 - 49

1

2

3

4

5

6

7

8

9

10

11

12

13

14

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43

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48

49

50

- 4 9

1000 3H3

5 0 - 5 9	6 0 - 6 9	7 0 - 7 9	8 0 - 8 9	9 0 - 9 9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
					14
1050 (15) 36808				1097 (15½) 3677	15
	1074 (16½) 3660			Poco Lontas	16
				1096 (162) 3674	17
		1084 (18)		1096 (18) 3689	18
					19
					20
1055 (22½) 3555					21
					22
					23
					24
					25
					26
					27
					28
					29
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					31
					32
					33
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					44
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					46
					47
					48
					49
					50

FATHOMS	3 H 3 1100				
	0 - 9	1 0 - 1 9	2 0 - 2 9	3 0 - 3 9	4 0 - 4 9
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19		21, (118)			1143 (110)
20	Mustang	1119 (120)		South Side E.B.	
21				1130 (21) 3695	1147 (21) 3714
22	1100 (130)	9 138		1130 (23)	
23		1113 (23) 3678			
24		1118 (42) 40	1125 (24)		1142 (24) 3680
25		1110 (150) 3667	4 (146)		1140 (25) 7
26					
27					
28					
29					
30					
31					
32					
33					
34					
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36					
37					
38					
39					
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41					
42					
43					
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46					
47					
48					
49					
50					

1100 3H3					FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
1159 (69) We.					11
					12
					13
					14
					15
					16
					17
					18
North Side East Bank					19
1150 (20) 3120	1163 (20)				20
	1167 (26) Fast				21
	1165 (132)	1173 (25) 3716	1180 (130)		22
1150 (136) 3703	1161 (23)	3710 top	(223)		23
		1175 (29)			24
					25
					26
					27
					28
					29
					30
					31
					32
					33
					34
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					41
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					43
					44
					45
					46
					47
					48
					49
					50

FATHOMS	3 H 3 1200				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12			1220 (70)	1230 (70) ←	
13					
14		1210 (84)			
15			S. 21 (92)	1237 (15 3/4)	
16			S 1223 (16)	1235 (16) →	(16)
17			P 1224 (17) (16 1/2) R	(17) →	1246 (17)
18					
19	1200 (19)				
20					
21					
22	1200 (22) 3671				
23	1208 (140)				
24	S. End		1220 (144)		
25	1203 (25) 3694				
26					
27	1205 (27) 3675	1215 (27) 3675	1225 (165)		
28		1217 (168)			
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
			1285 (64)	1292 (62)	10
		S. Side Little Seabree			11
Scattered Rocks		1275 (70)	1288 (70)		12
			1285 (70) N. Side Little Seabree		13
			1283 (96)		14
			1285 (100-102)		15
5 1250 (16) Rocks					16
8 (10)					17
1257 (19) 3776		1276 (18+19)			18
6		1276 (116)	1280 (19)		19
	4 (21) Ice Head	7 (10)			20
	1260 (21)		1285 (123)		21
			1284 (22) Miss North Carolina		22
			5 (30)		23
					24
					25
1254 (27) 3684					26
(26)					27
					28
					29
					30
Toe Heads					31
1255 (32) 3662					32
					33
					34
					35
					36
					37
				1295 (38) 3654	38
				0	39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

FATHOMS	3 H 3	1300	PORT	MANSFIELD	
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	1301 (66)				
12					1347 (70)
13					
14					
15					
16	Part Seabree				
17	1305 (17)				
18	1304 (10)				
19			1325 (114) (112) (18)	1336 (19 1/2)	
20		1316 (20)			
21		15 (122)			
22					
23			143'	1337 (134)	
24			1321 (148)	1330 (142)	
25				3 (148)	
26		1313 (154)	1324 (26) 13758		
27		1313 (164) (160)	1320 (164) 3695		
28			1323 (164) 3693		
29					
30					
31					1340 (31) 3689
32					36 (32)
33					
34					
35				1333 (35) 3665	
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
					14
				(94')	15
			1380 (16)	1390 (16) wr.	16
1352 (17)			(107)		17
	(116)		1387 (109)	2 (108) (107)	18
	1369 (118)			1393 (19) 3813	19
(126)				(110)	20
1350 (128)	1362 (21)	(134)		1394 (124)	21
	1361 (22)	1371 (22)			22
	23				23
	1365 (24) 3763				24
				149'	25
				1393 (153)	26
			(160)		27
			1386 (27)		28
			5		29
	1362 (180)				30
	(181)				31
					32
					33
					34
					35
					36
					37
1350 (38) 3662					38
					39
					40
	1364 (41) 3660				41
			1383 (42) 3661		42
					43
					44
					45
					46
					47
					48
					49
					50

FATHOMS	3 H 3 1400				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5					
6				"Little Henry"	
7				K431 (40)	
8					K440 (16)
9					
10					K440 (60) Fish Haven Bay
11					
12					
13					
14					
15	1404 (15)				
16					
17				7 T.H.	
18				1434 (18) 3824	1440 (14) R
19				9 (18 1/2)	
20			1427 (116) (118) (120)		1444 (120)
21		1416 (21)	1420 (20 1/2) (21)		1441 (21)
22			1 (180)		1440 (22)
23					1441 (170) (138)
24					3 5
25			K421 (25 1/2) 3759		1443 (25) 3770
26					1441 (26) (161)
27					0 (16)
28					
29					1447 (29)
30					1
31					
32					
33					
34					
35					K442 (35 1/2)
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

49

1400 3H3

50 - 59

60 - 69

70 - 79

80 - 89

90 - 99

FATHOMS

1467 (37)

1490 (46)
348

1466 (11) 3861

1483 (84)

Steamer

1493 (13) 3864³

1490 (85)

1492 (92) S. Side

1471 (88)
(94)

1480

1482 (18) 183 T.H.
(19)→ 5 (14) (12)
1450 (19) 3831 R
3

1497 (123)

1461 (23)

1450 (25) Bat
1450 (60) Bottom

1462 (27) 3782 W.R.

1454 (28) 3772

Miss Ginger
1477 (29)

1495 (263) W.R.

1485 (31)

1495 (178)

1488 (41) 3700

1494 (42) 3700

Fish
Haven Bay

R

(138)

3770

(61)

FATHOMS	3 H 3 1500				
	0 - 9	1 0 - 1 9	2 0 - 2 9	3 0 - 3 9	4 0 - 4 9
1					
2					
3					
4					
5					
6					
7			1525 (7)		
8				1533 (8) Hole	
9					
10					
11				1539 (69) (70) (71)	
12					
13					
14			1523 (14)		
15	1500 (85) (96)			98' 1536 (16)	1542 (88)
16					
17					
18					
19		1513 (14)			
20					
21	1505 (21) (22)			1530 (21) (22) (23)	
22			4' 1' 134' 1522 (138) (142)	6' 3' 138' 1539 (136) (140) (142) (144) (146)	
23	1503 (34)				
24					
25					
26		158' 1515 (21)			
27					
28				1536 (28) 3819	282
29					1546 (29) 292
30					
31					
32					
33					
34					
35					
36					
37					
38			Hole		
39			1522 (39) 3765		
40	1502 (40) 3729		SMALL 1520 (41) 3721		
41					
42	1500 (39) 3800				
43					
44		1514 (44) 3724	1527 (44) 3689		
45					
46					
47					
48					
49					
50					

50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	FATHOMS
					1
					2
					3
					4
					5
			1584 ⁵ (6)		6
					7
1558 (52)	⁴ 9 fathom	² Rock	⁹		8
1551 ₃ (9) 3889	1560 ⁴ (9)	1570 ² 3894	1588 ⁹ (9)		9
					10
	1561 ¹ (69) R		1587 (66)		11
					12
					13
			79'		14
			1581 (81)		15
			1581 (15)		16
				94'	17
				1590 (16)	18
					19
					20
					21
					22
					23
					24
					25
1550 (158)		1571 ^{157'} (158')	1583 ⁽¹⁵⁰⁾ (154')	1590 ² (152') 159'	26
		1570 ^{156'} (28)		1597 (26)	27
				1595 (28) Soft	28
					29
					30
					31
1554 (32)					32
					33
		Little Adam Rock			34
		1573 (35)			35
					36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
		South End Blackfish			50
		1574 (53)	1582 ^{ex.} (54) (56)		

FATHOMS	3H3 1600				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16			1620 (16)		
17					
18					
19				40 116	
20	1600 (20)		1628 (118)	1636 (118) 00' Wt.	
21			1620 (20) 3871	1630 (22)	1644 (21) 3868
22					0 2 130
23					
24			1625 (25)		
25					
26					
27					
28					1649 3868
29					1642 (29) 3848
30	1605 (180)				
31					
32					
33					
34					
35					
36					5, 9
37					1646 (37) 3830
38					
39					Blackfish Ridge
40					1646 (239) 382
41					
42					
43	44 1/2 4				
44	1600 (33) 3805				
45					
46					
47					
48					
49					
50					

1600 3H3

50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	FATHOMS
					1
					2
					3
					4
			1687 (5)		5
			2		6
					7
					8
					9
					10
					11
					12
					13
					14
					15
					16
					17
				1699 (18)	18
					19
					20
			130'		21
			1680 (22)	130'	22
				1690 (23)	23
			1681 (42'-5) W.R.		24
				158'	25
				1690 (26)	26
	1661 (27)			1693 (27)	27
					28
1656 (30)					29
					30
					31
					32
		Small Adam			33
	1665 (34) R	1671 (34) 3845	1682 (34)		34
1653 (35)			1684 (35) Big Adam		35
			8 (35) 42' 0" 1st		36
			1681 (37) 3841' 5"		37
					38
					39
					40
					41
					42
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					44
					45
					46
					47
					48
					49
					50

FATHOMS	3 H 3 1700				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3			1721 (21)		
4	1708 (24)				
5					
6					1740 (7 1/2)
7					
8				1734 (9 1/2)	
9					
10					
11			1722 (6 3/4)		
12	1700 (30) 4'	1711 (73)	1723 (80) 3' 82'	1730 (80)	
13					
14	"Four Leaf Clover"				
15	1702 (15) 3904				
16					
17				1735 (17 1/2)	
18					
19	1700 (19 1/2) 20				
20	1702 (20) 2				
21			1721 (21)		
22					
23					
24	1708 (24) 3 14 1/2'				
25	1703 (25 1/2) 150'		1721 (25) 3818 Wr.		
26	(26 1/2)				
27					
28					
29					
30					
31					
32					
33					
34				1735 (34 1/2)	
35					
36					
37					1745 (37-38)
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

1700 3H3

FATHOMS

50 - 59

60 - 69

70 - 79

80 - 89

90 - 99

1

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1714 (12) 28'

1790 (6)

1794 (87)

1778 (17) 100'

1795 (100) 1800

1764 (19) 112'

1796 (19)

1750 (136)

1773 (21)

1766 (25)

1774 (28) 5'

71 R
1775 (35) 3845'
RAUZEIL'S ROCK

FATHOMS	3 H 3 1800				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					1843 (8)
2					
3					
4					
5					
6	1806 (40)	1817 (6) ³² 33	1826 (7)		
7					
8				1831 (55)	
9					
10					1843 (68) ⁷⁰
11				1831 (70) ⁷⁴	
12			Little Mitch Bank		
13			1820 (36)		
14	5 1804 (14)		1828 (86) 3925		1840 (14) ¹ 3
15					
16					
17	WR 1805 (102) 3913 ⁷		1820 (17)	1830 (17 1/2)	
18	C 48				
19			31 118 1829 (303)		
20			23 (21)	128 (20)	
21				1833 (21) ¹²	
22			136 1828 (138)		
23					
24					
25				1833 (26 1/2)	
26					
27	1800 (160)				
28					
29					
30				1835 (31)	1840 (31)
31					
32					
33	6 1801 (33 1/2)				
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

1800 3H3					FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
		1872 (14)		1894 (14)	13
	98'				14
	1865 (16)				15
				1894 (106)	16
	112'				17
	1865 (14)				18
	1865 (20)			118'	19
	3 (2)			1892 (20)	20
			1885 (22) 3908		21
			8		22
			1881 (41)		23
			9		24
			1883 (154)		25
	162'				26
	1863 (27)				27
					28
					29
	181'				30
	1865 (184)		1886 (31)		31
					32
					33
					34
					35
					36
					37
					38
					39
			9		40
			1881 (41)		41
					42
					43
					44
					45
					46
					47
					48
					49
					50

FATHOMS

3 H 3 1900

0 - 9

10 - 19

20 - 29

30 - 39

40 - 49

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1920 (14)

1938 (41)

1903 (8)

1943 (61)

1940 (76)

43 (80)
1900 (88)

1903 (15) Chris. F

1936 (15)

1900 (102)

1900 (110) 110'

1907 (110)

1900 (116) 116'

1920 (118) 118'

1930 (232) 3910

1908 (29) 3896

1908 (33) 3893

1910 (32) 390'

1900 3H3

50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	FATHOMS
					1
					2
	1960 (37)				3
					4
					5
1951 (44)					6
1956 (56)					7
					8
					9
					10
					11
					12
					13
	1966 (15)				14
	1960 (99'-100') Barge	1971 (99'-102')			15
1951 (18)					16
1953 (120)		1975 (202)			17
					18
					19
					20
					21
					22
					23
					24
					25
					26
					27
					28
			1982 (170)		29
					30
					31
				1990 (33)	32
					33
					34
					35
					36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

FATHOMS	3H3 2000				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					2040 (20')
4					
5					
6					
7					
8					
9	2010 (9) 3965		2026 (10) ^{56'}		
10					
11					
12					
13					
14					
15					
16			2025 (16)		
17			2027 (17)		
18					
19			2020 (20) 3936		
20					
21					
22					
23					
24					2047 (24)
25					2042 (25) 3911
26					
27				2036 (27) Wm.	
28				P (28) (29)	
29					
30				2030 (30) 3910	
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

2000 3H3

FATHOMS

50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	
					1
					2
					3
					4
					5
					6
² Wr. 2050' (8) 3970		2070 (7) 3975			7
					8
2052' (10)	2060 (10)			2098 (10)	9
					10
				2092 (12) 3965	11
					12
		¹²⁶ 2072 (14)	2083 (93)		13
					14
					15
					16
^{102'} 2050' (18)	⁴ Wr. ⁴ 2060' (18) 3940	2070 (17)		^{102-104'} 2096' (17) ₁₁₃	17
					18
2055 (20)					19
2055 (34)					20
2055 (24) 3920					21
					22
					23
					24
					25
					26
					27
					28
					29
		2070 (31)			30
					31
					32
	2060 (34) 3910				33
					34
					35
					36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
2050 (56) 3864					50

BIG SOUTHERN

^{4,9}
⁹⁰
 2080 (30) 3888
⁹⁰

235'

265'

FATHOMS	3 H 3 2100				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5					
6		2113 (6)			
7		²⁰ 2115 (8) 3978		2230 (8)	
8					
9					
10			2126 (10)		
11	^{4, 11} 2100 (10)			2134 (11)	
12		2113 (10)			
13					
14		⁸ 2115 (5)			
15		¹⁶			2145, (15 1/2) 395
16	2107, (16)				⁴⁰
17	⁴				
18		2118 (18)	2129 (12)		
19					
20					
21		2115 (21)			
22					
23	¹⁸ 2100 (24)				^{147'} 2147, (24 1/2)
24					²
25	2105, (25)				
26	⁰⁰				
27		2115, (27)		^{5, 27 1/2} 2130 (28)	
28		^{0, 16 1/2}			
29					
30			2120 (30)		
31					
32		2110 (32)			
33					
34					
35					
36					
37					
38	2105 (38) 3905				
39					
40					
41					
42					
43					
44					
45					2149 (45) 328
46					
47					
48					
49					
50					

ARANSAS PASS

2100 3H3

9	50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	FATHOMS
						1
						2
						3
						4
						5
						6
	2162 (40)					7
		2178 (46-49)				8
						9
						10
	Corpus Lady					11
	2150 (279)				2196 (71)	12
						13
3955	90' 2155 (41) 3960					14
						15
						16
	2150 (108)					17
	18/2-19					18
						19
						20
					2190 (21) 3942	21
						22
						23
						24
						25
					2190 (26)	26
	43 2150 (28)	2165 (27)				27
	2159 (29)		2173 (29)			28
	60					29
	2150 (31)			2185 (31) 3909		30
						31
						32
						33
						34
						35
						36
						37
						38
						39
	Aransas Bank		Hospital			40
	2154 (40) 3889	2160 (40) 3900	2170 (35) 3910			41
		5845	2170 (30) 3900			42
						43
						44
						45
						46
				2180 (47) 3888		47
						48
						49
						50

FATHOMS	3 H 3 2200				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5		Hole			
6		2213(38) 3993			
7			2220(7 1/2)		
8					
9	2200(9)	2210(9)			
10					
11					
12					
13				40 2235(14)	
14					
15					2249(15)
16					
17			2220(17)		
18	2205(18-19)				
19					
20	2200(20)				2240(20)
21					
22					
23					
24					
25					
26					
27	2200(27-28)				
28					
29		2210(29) 3929			
30					
31					
32	2200(32) 3908				
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50			2220(50) Approx.		

2200 3H3

50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
			2281 ⁹⁰ (10)		10
2250 (11)					11
					12
	2265 (13)				13
					14
					15
2250 (16)					16
					17
					18
	"American Beauty"				19
	2260 (20)				20
					21
					22
					23
					24
					25
					26
					27
					28
					29
2250 (30)					30
					31
					32
					33
					34
					35
					36
					37
					38
	2260 (39) 3908				39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

FATHOMS	3 H 3 2300				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					2340 (22')
4		2315 (27')			
5					
6					
7			2320 (41')	2320 (46')	
8					
9		2310 (9) 3990			
10					
11					
12					
13					
14					
15		2310 (15)	2320 (15) ^{86'}		
16					
17		2311 (17)			
18					
19					
20				2330 (116) ^{41'} 3960	2340 (20')
21		2313 (128) ^{126' 132'}			
22					2340 (22)
23					
24	2300 (24) 3947	2313 (24) 3947			
25					
26					
27					2340 (27)
28		2315 (28)			
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42		2315 (31) 3905 ^{20'}			
43					
44					
45					
46					
47					
48					
49					
50					

2300 3H3

4 9	5 0 - 5 9	6 0 - 6 9	7 0 - 7 9	8 0 - 8 9	9 0 - 9 9	FATHOMS
						1
						2
		2368 (14 ¹ / ₂)				3
						4
						5
						6
		2362 (7)				7
						8
						9
						10
	2350 (11)		2379 (74)			11
						12
						13
			4 88'			14
	2362 (92)	2375 (15)	(16)		2393 (92)	15
						16
						17
						18
			2370 (19) 3960			19
	2365 (20)					20
						21
						22
						23
						24
				90 160'		25
				2385 (26)		26
		2374 (166)				27
						28
						29
		5	←	→ 3	Top of Rock	30
		2370 (184) 3915		2380 (31) 3912 R		31
						32
						33
						34
						35
						36
			R 240'			37
		2373 (38)				38
						39
				3 1/2		40
				2380 (40) 3912		41
						42
						43
					2315 (43) 3905	44
						45
						46
						47
						48
						49
						50

FATHOMS	3 H 3 2400				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13	10 2408 (13)				
14		5 (15)			
15		2410 (13) 3975	2420 (15)		
16	5	2412 (16)			
17	2400 (13)	2 (11)	2420 (17)		
18	(18)				
19		4			
20		2410 (20) 3962	2420 (20)		
21	2400 (21)	HOLES ?	2423 (21)		
22	5	2417 (21)			2440 (22)
23					
24					
25					
26					
27					
28					40 100' - 102' 2439 (28)
29					
30					
31					
32					
33		2411 (33)			Big DUNN B
34					6
35					2442 (35) 39
36					0 (37)
37					
38					
39					
40					
41					
42					
43					
44					
45					2445 (45)
46					
47					
48					
49					
50					

					2400	3H3	FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99			
							1
							2
							3
							4
							5
			2485	(6)			6
							7
							8
							9
							10
							11
							12
							13
		2470	(15)				14
2462	(16 ³ / ₄)						15
			2483	(17)			16
							17
							18
							19
							20
							21
							22
		2479	(24)				23
							24
							25
							26
							27
							28
		2479	(29)				29
							30
Little Dunn Bar		2470	(31)		2493	(31 ³ / ₄) 3923	31
Bar 2456	(33) 3915	2460	(33) 3917			BAD MUD	32
3910	2453	(35 ¹ / ₂)		2482	(33) 3910		33
							34
							35
							36
							37
							38
							39
							40
							41
							42
							43
							44
							45
							46
							47
							48
							49
							50

FATHOMS	3 H 3 2500	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1						
2						
3						
4				2525 (28 3/4)		
5				2525 (31)		
6				18		
7						
8						
9						
10						
11						
12						
13						
14	2503 (17) 3986					
15						
16						
17						
18						
19						
20						
21		2510 (21) 3957				
22						
23						
24		2518 (24)				
25		2513 (25) 3944				
26					2530 (154)	
27						
28						
29						
30	5 184					
31	2500 (190) R					2540 (189)
32						
33						
34				2526 (34 3/4)		
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48					2535 (18) 3840	
49						
50						

4 9

2500 3H3

FATHOMS

50 - 59

60 - 69

70 - 79

80 - 89

90 - 99

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2566 (26)

2560 (12) 3990

2585 (11)

2550 (13)

2590 (76)

2565 (21)

2560 (29) 3920

2588 (29) 3912

2597 (29)

2590 (31)

2563 (43)

Hard Bottom of N.E.
Corner of E. Breaks

2550 (47) 3840

2597 (48)

2585 (50) 3834

FATHOMS	3H3 2600				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5					
6	2600 (29)				
7					
8				2630 (9 ¹ / ₂)	
9					
10					
11					
12		^{6 80'} 2610 (13) 3986			
13					
14					
15					
16					
17			2624 (17 ¹ / ₂)		2641 (17)
18					
19				2634 (9 ¹ / ₂) 3954	
20	2605 (20)				
21					
22			2623 (13 ¹ / ₂)		
23			2623 (23) 3932		
24			^{0 1} 2624 (25) 3920		
25	2600 (25)		^{8 1} 2624 (25) 3920		
26		2617 (26) 3917	^{8 1} 2638 (26) 3920		
27	2605 (27) 3923				
28			2625 (28)		
29				⁶⁸ 2630 (29)	
30	2605 (30)				
31					
32		⁸ 2610 (32) 3894		¹ 2630 (33) 3890	¹ 2640 (32)
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

4 9	5 0 - 5 9	6 0 - 6 9	7 0 - 7 9	8 0 - 8 9	2600 3H3 9 0 - 9 9	FATHOMS
						1
						2
				2685 (6) 4025		3
		2665 (26)		2685 (6) 323		4
						5
						6
						7
2650 (9)	2662 (58)					8
						9
						10
						11
			2 (13)			12
2650 (14)		2670 (132)				13
						14
2653 (16) Wt.						15
						16
2651 (18) 3964						17
						18
						19
						20
		2670 (212)		2687 (202)		21
				2687 (212)		22
					2695 (21)	23
						24
	2660 (24) 3930					25
2650 (26) 3915					2690 (25) 3925	26
2650 (164)	2665 (165)					27
						28
		2670 (170)		2680 (27) 3909		29
		2675 (29)				30
					2692 (29) 3886	31
2655 (32) 3875	2665 (32) 3875					32
						33
						34
						35
						36
						37
						38
						39
						40
						41
						42
						43
						44
						45
						46
						47
						48
						49
						50

FATHOMS	3 H 3 2700				
	0 - 9	1 0 - 1 9	2 0 - 2 9	3 0 - 3 9	4 0 - 4 9
1					
2					
3					
4					
5					
6					
7					
8		2716 ¹ (51)	2722(46)		2747(47)
9		(53)	(48)		
10			2758(58)		
11					
12					
13					
14					
15					2743(80) 3990
16	2700(100)				
17	2709(108)			2738(17) 3959	2747(17) 3959
18					2746(18) 3959
19		2713 ^C (19) 3950	2720(19)		
20					2747(20)
21	2708 ¹⁰ (21) 3945	2716 ^{CAP 5.9} (21) 3942	2725(21) 3941		
22	67	8 8 1/2		2733 ^{130' PIPE} (22) LINE	
23		2716(24) 3923			
24					
25	2700(25) 3919	2713(47)(44) C			
26		2713(54)			
27					
28					
29					
30					
31					
32					
33					
34					
35			2723 ^{ex.} (35) 3854		
36					
37		2715(31) 3845			
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

2700 3H3					FATHOMS	
49	50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	
						1
						2
						3
						4
	2760 (5 $\frac{1}{2}$)					5
			8			6
	ex.		2776 (7)			7
	2768 (8) 4021		4030	R 5W		8
			9 $\frac{1}{2}$	2783 (8)		9
			2775 (10)			10
			0			11
			2772 (12)			12
			3990			13
				2780 (13)		14
3990				2780 (15)	3978	15
						16
395						17
393						18
						19
						20
						21
	2750 (23)					22
	3920					23
					2790 (24)	24
						25
	9 "CHEROKEE"					26
	2767 (28)			2780 (27)		27
	3890					28
						29
						30
			2750 (31)			31
			3850			32
			2775 (32)			33
PLANG						34
2750 (34)						35
3850						36
						37
			2770 (37)			38
			SLAB			39
						40
						41
						42
						43
						44
						45
						46
						47
						48
						49
						50

FATHOMS	3 H 3 2800				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2			2824 (11)		2840 (14)
3					
4			2820 (20)		
5		2814 (23)	³⁰ 2826 (6)	2838 (6)	2840 (5)
6		2820 (30)	2826 (6)	⁵ 2838 (6)	
7			2826 (6)	⁵	
8			⁵		
9					
10			2820 (10) 4013		
11			(13)		
12					
13				2831 (13) 3985	
14		2817 (14) 3975			
15					
16					
17					
18					
19					
20					
21			2824 (21) 3934		2841 (21) 392
22					
23					
24		2810 (24) 3902			
25				2830 (25) 3893	2845 (25) 389
26				2835 (26)	
27					2840 (27) 38
28					
29					2840 (29) 38
30		2815 (30) 3839			
31		↓ ↓	30 Fathom Rock		
32					
33		2850 (33) 3852			
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

					2800	3H3	FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99			
							1
							2
2850 (4)				2893 (35) 9 4			3
							4
			3				5
		2870 (43) (8)	2880' (6) 4028 20				6
				2892 (46)			7
		(2875 (10))					8
							9
							10
2857 (13) 3983 2							11
		2870 (14)	2889 (13)				12
							13
		2870 (17) 3950					14
							15
							16
							17
							18
							19
3929			2870 (16) 3950				20
							21
							22
							23
3898				SLAB ?			24
			2875 (25) 3900	2900 3900			25
3851 (27) 3865 2 58	2865 (27) 3881 Hang						26
2386							27
							28
							29
							30
							31
							32
							33
	2865 (35-36) SLAB						34
							35
							36
							37
							38
	2867 (40) 3816						39
							40
							41
							42
							43
							44
							45
							46
							47
							48
							49
							50

FATHOMS	3 H 3 2900				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14		2915 (14) 3975 C			
15		2917 (15)			
16		H			
17					
18					2947 (18) 394
19			2922 (19) 3932		
20			18		
21				2937 (21) 3921	
22					
23					
24					
25					
26					2945 (26) 380
27	2902 (27) 3865				2940 (27) Hol
28					
29					
30					
31					
32					
33		2914 (33) 3830			Cable
34					2941 (34) 384
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

					2900	3H3	FATHOMS
4 9	50 - 59	60 - 69	70 - 79	80 - 89	90 - 99		
							1
							2
			2975 (26)				3
	2950 (34) South of Ccheato R.						4
							5
							6
							7
							8
							9
	2960 (10)						10
							11
					2995 (10)		12
							13
	Plat. 533 5, 3 Area		2974 (5) 3965				14
	2957 (16) 3954 C						15
	50 m						16
3940							17
				2985 (18) 3940	2993 (19) 3933		18
							19
		2966 (20) 3924		2990 (21) 3912			20
			2970 (22) 3900	85 ft			21
		2960 (23) 3890	2975 (23) 3890	W. 24'S			22
	2950 (24) 3890			2982 (24) 3884			23
				2993 (25) 3872	W. 27'S		24
			2970 (26) 3876		3010 (25) 3838		25
3860		2960 (27) 3853			2997	3843	26
Hole					2995	3846	27
					2985 95	3845	28
				E. 30 F. Rock	2991 (27) 3841		29
	2965 (31)			2980 (30) 3818		3853	30
	2965 (32) 3815	5 Hole	2970 (32) 3809	2985 (31)	2995 (30) 3826		31
						3	32
3800							33
							34
							35
							36
							37
							38
							39
							40
							41
							42
							43
							44
							45
							46
			3 "Little Campeche"				47
			2977 (48) →	2980 (48) 3730			48
	2950 (51) 3719						49
							50

FATHOMS	3 H3 3000				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					
2					
3					
4	3009 (4) 4036				
5			3027 (5) 4042		
6					
7				3034 (7) 4024	
8					
9	3000 (9)				
10					
11					
12	3000 (14)	3010 (10)			
13					
14					
15					
16					3047 (16) 394
17			3020 (17) 3940 C		
18					
19			Coral - Hole		
20			3027 (20) 3913		
21		3010 (21) 3911	3020 (21) 3905		
22		3011 (22) 3902			
23					
24	Snake Pit				
25	3000 (25) 3855				
26					
27		3011 (27) 3849			
28		3012 (28) 3840			
29		3015 (29) 3825			
30					3042 (30)
31					
32			Coral		
33			3020 (32) 3710		
34					
35				Coral	
36				3038 (35) 3744	
37					
38		3017 (38) 3754			
39					
40					
41				3030 (41) 3710	
42					
43					
44					
45	3003 (45) 3725				
46					
47					
48					
49					
50					

4 9	5 0 - 5 9	6 0 - 6 9	7 0 - 7 9	8 0 - 8 9	3000 3H3 9 0 - 9 9	FATHOMS
						1
						2
						3
						4
	3050 (32)					5
	3059 (6) 4029					6
		3065 (8)				7
			3070 (9) 4017		3090 (8) 4020	8
						9
						10
						11
						12
						13
						14
			W.?			15
3947	Hole	3077 (16) 3947				16
	3065 (17) 3940					17
						18
						19
						20
						21
						22
						23
						24
						25
						26
						27
						28
						29
						30
						31
						32
						33
						34
						35
						36
						37
						38
						39
						40
						41
						42
						43
						44
						45
						46
						47
						48
						49
						50

3050 (32)

3059 (6) 4029

3065 (8)

3070 (9) 4017

3090 (8) 4020

W.?

3077 (16) 3947

Hole

3065 (17) 3940

5.7

3

3070 (19) 3920-19

3078 (14) 3915

3080 (18) 3909

3084 (19) 3887

LADY ANN 95

3050 (21) 3900

3059 (27) 3839

Salvador Ridge

3080 (28) 3749

3090 (27) 3758

SALVADOR RIDGE

3060 (30) 3745

2

3

3050 (32) 3725

3061 (40)?

IN SHORE

3086 (42) 3577

FATHOMS	3 H 3	3100	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1					3126(10)		
2							
3							
4							
5				3110 (5) 4034			
6		3100(31) Slab			3120(43)		
7							
8							
9							
10							
11							
12							
13				COVERED?			
14				3111 (81) 3976			
15				3118 (14) 3980			
16							
17				3111 ² (18) 3928	3125 (18) 3896		
18				3115 (8) 3934 W. GERMAN Charlie			
19				3110 ¹⁰ (9) 3899	3121 ¹⁰ (19) 3882	3135 ⁹ (19) 3888	3140 ⁴ (19) 3900
20						INSIDE CHARLIE HOLE 3137 3907	3145 (19) 3881
21					22 1/2's	22 1/2's	3140 (20) 387
22					3120 ¹¹ (22) 3850	3133 ² (22) 3862	
23		3105 (23) 3860					
24							
25				3117 (25)	MIDDLE 25's	MUD	2 E-27's
26				MUD 3110 (27) 3825	3129 (26) 3829	3138 (26) 3815	3147 (26) 378
27		3105 (27) 3780		3118 (27) 3760	3125 (27) 3770	3135 (27) 3760	3141 (27) 376
28				3110 (28) 3790	3120 (28) 3790	3132 (28) 3770	
29				3110 (29) 3730	3125 (29) 3810 MUD		
30		3105 (30) 3705		3110 (30) 3710			
31						3138 (31) 3667	3145 (31) 370
32				3116 (32) 3675	3122 (32) 3648	3140 (32) 3657	3145 (32) 369
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

					3100	3H3	FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99			
							1
							2
							3
							4
							5
							6
	3160 ¹ 4030						7
		3170 ⁸ 4022					8
							9
							10
							11
							12
398		3175 ¹³					13
		3175 ¹⁴ ship			WE.		14
					3193 ¹⁴ 3971		15
							16
							17
390	3156 ¹⁹ 3900 ¹⁰						18
388	3155 ²⁰ 3850				3182 ¹⁹ 3920	3197 ²⁰ 3899 ⁰²	19
387					3184 ¹⁹ 3903 R	3191 ²⁰ 3883	20
					3182 ²¹ 3854	3195 ²¹ 3868	21
	3165 ²² 3845				HOLE	3195 ²² 3826	22
							23
					3180 ²⁴		24
378	3150 ²⁶ 3800	3165 ²⁶ 3705 ¹			3185 ²⁶ 3786		25
376	3153 ²⁶ 3715 ¹	3165 ²⁷ 3710 ¹	3177 ²⁷ 3727 ¹	3180 ²⁷ 3700			26
			3170 ²⁷ 3711 ¹				27
			3178 ²⁸ 3710 ¹	3180 ²⁸ 3670			28
	3155 ³⁰ 3700		3170 ²⁹ 3680	3180 ²⁹ 3661 ¹			29
370	3150 ³⁰ 3685	3165 ³¹ 3657	3175 ³¹ 3650	3185 ³¹ 3615 ¹ HOLE			30
369	3157 ³² 3642		3175 ³² 3606	3188 ³² 3600	3194 ³² 3520		31
	SLAB		3179 ³³ 3597 ⁰⁰				32
							33
							34
							35
							36
							37
							38
							39
							40
							41
							42
							43
							44
							45
							46
							47
							48
							49
							50

FATHOMS	3 H 3 3 2 0 0				
	0 - 9	1 0 - 1 9	2 0 - 2 9	3 0 - 3 9	4 0 - 4 9
1					
2					
3		3210 (18'-19')	3225 (3)		
4		3213 (4)			
5					
6			3220 (34) Barge		
7		3215 (1) 4029	3225 (1) 4042		
8	3204 (8) 4205		3223 (8) 4022		
9			3223 (8) 4030		
10	3200 (10) 4015				
11					WR.
12					3240 (12) 398
13					
14					
15		3210 (15) 3962			
16				50 18's	3246 (16) 389
17				3235 (17 1/2) 3930	
18				3926	
19	3210 (19) 3893	3219 (19) 3902	3220 (19) 3890		
20	3205 (20) 3888	3215 (20) 3875 Mud	3220 (20) 3866	3230 (20) 3877	3247 (20) 381
21	3202 (21) 3871	3214 (21) 3855	3220 (21) 3862	3230 (21) 3855	3248 (21) 382
22	3210 (22) 3794	3214 (22) 3842	3220 (22) 3840		3245 (22) 384
23		3214 (23) 3820	3220 (23) 3815		3240 (23) 37
24		3215 (24) 3807		3230 (24) 3714	3248 (24) 372
25		3215 (25) 3732			
26		3210 (26) 3715			
27		3212 (27) 3705			
28		3215 (28) 3715			
29		3210 (29) 3677			
30	3210 (30) 3631	3218 (30) 3620			
31	3210 (31) 3620 WR.	3218 (31) 3567 R		3230 (32) 3540	
32	3189			3230 (32) 3570	
33		3214 (33) 3550		3230 (33) 3418	
34		3215 (34) 3492			
35					
36				Coral + Rock	
37				3230 (37) 3410	
38					
39	3209 (39) 3404				
40					
41					
42		3215 (42) 3295			
43					
44					
45					
46					
47					
48					
49		Jean's Hole			
50	3210 (50) 3225	3210 (50) 3210			

3200 3H3					FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	
					1
					2
					3
					4
					5
					6
					7
		3215 ⁸ (8) 4027 ₅			8
					9
					10
3980					11
			3285(12)		12
					13
					14
3890		3277(15)			15
		(3210 (16) 3940)			16
		MUD HOLE			17
					18
					19
3816	3251(19) 3900	3268(19) 3868		3280(19) 3902	20
3826	3254(21) 3850	Easterly 21's			21
3844	3255(21) 3832	3265(21) 3827	3275(21) 3835	3280(21) 3827	22
374	3250(21) 3816 ²⁰		3275(21) 3820 ²¹		23
3728	3248(21) 3826			3299(22) 3725 ²⁴	24
	DOC'S HOLE				25
	3263(25) 3765	3278(25) 3674		3296 hole 3666 ²	26
	3252(26) 3670 ⁵	3268(25) 3700			27
	3252(26) 3689	3268(27) 3597	3279(27) 3619		28
				3290(28) 3570	29
					30
					31
					32
					33
					34
	3250(33) 3454				35
		3263(36) 3450		3287(35) 3455	36
					37
					38
	3250(39) 3340				39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

FATHOMS	3 H 3 3300				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
1				<i>B. River</i>	
2		3319 (14) 4049		Gulf Wind	
3		(16)		3332 (28) 4050-49	3340 40
4		(22)		<i>B. River</i>	3340 (4) 40
5		3213 (24)	3329 (5) 4045	M. BANK	3348 (4) 40
6	WEST BANK			3332 (62) 4030	
7	3309 ex. 4026-TH				
8	3300 (8) 4026				
9			Middle Bank		
10			3325 (10) 4020		
11					
12					
13					
14					
15				3337 (15) 3952	
16			3327 (16) h		
17		3311 (17) 3907			
18		3310 (18) 3895	3326 (18) 3875	3330 (18) 3870	
19		3316 (19)	3324 (19) 3826		
20	3300 (20) 3842				
21			3325 (21) 3785		
22		Wr		3330 (22) 3710	
23	3302 (23) 3735 ₂₉	3315 (23) 3730 ₁₀		3330 (23) 3700	
24					
25					
26					
27			C	3330 (27) 3510	
28			3324 (28) 3542		
29		3312 (29) 3525	3326 (28) 3531		
30	3305 (30) 3496			3330 (30) 3486	
31		3316 (31) 3483			
32					
33		3315 (33) 3420 h	3322 (33) 3392		
34	3305 (34) 3417 ₃₀				
35		3313 (35) 3353 ₁₀			
36	3305 (36) 3352				
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

3300 3H3					FATHOMS
4 9	50 - 59	60 - 69	70 - 79	80 - 89	90 - 99
			BRAZOS		1
			BAR		2
4050	3350 (3) 4046	3365 (3)	1 Mi from beach		3
4040			3374 ⁸⁰ 4045		4
4048					5
					6
	3352 (7) OLD S.W. Buoy				7
	Emt. ⁸⁰ 3358				8
	3358 (3) 4022 ²⁸				9
			3377 ⁸¹ (10) 4022 ⁵¹		10
				3394 (10) 4017	11
				3392 (11) 3991	12
					13
					14
	3357 ⁴⁹ (13) 3950		3370 (16) 3910	3380 (15) 3930	15
	Jack Dropper		3372 (16) 3888 ²	3383 (16 1/2) ^{V.R. FOG} 3878	16
	3353 (17) 3880			110'	17
				3385 (18) 3804	18
	3350 (114)				19
		3367 (20) 3780			20
			3376 (21) 3719		21
		3367 (22) 3647			22
	3350 (23) 3670		3370 (23) 3620	3380 (22) 3750	23
	3350 (24) 3635			3385 ⁷⁰ (22) 3645 ⁶	24
				3380 (24) 3560	25
	3, 3350 (26) 3553			005	26
				3385 (26) 3496	27
		3368 (28) 3459			28
			7, R	3385 (28) 3446	29
			3374 (29) 3443 ⁶⁸		30
		3364 (31) 3395 ⁶⁹			31
					32
					33
					34
					35
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					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

FATHOMS	3H3 3400		FREEPORT			
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59
1						
2						
3				Jetties FREEPORT		
4		3418 (4)		3434, 38	4046, 55	
5						3446, (5) 405
6						
7						
8						
9						
10						
11			3420 (11) 3993			
12						
13						
14						
15	3405 (15) 3932		3422 (15) 3929			
16						
17						
18		3419 (18) 3783	3425 (18) 3765	3433 (18) 3771	3444 (18) 3771	
19		3419 (19) 3736	3425 (18 1/2) 3742-45	3438 (19) 3700, 45	3448 (18) 375	
20					3444 (20) 36	
21					3443 (20) 36	
22						
23	3404 (23) 3535	3410 (23) 3596		3436 (23) 3494		
24	3404 (24) 3524		3420 (24) 3496			
25		3418 (25 1/2) 3419				
26		3414 (25) 3382				
27						
28						
29						
30						
31						
32						
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37						
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39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						

					3400	3H3	FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99			
	3464 (6) 4055	3470 4055 ^p					1
		DIFFERENT HANGS					2
		3475 (4) 4057					3
5) 405							4
							5
							6
3453 (9) 4026		3471 (8) 4042					7
Southeast Lump	CLIPPER WR. 5						8
3450 (10) 4017- ²⁰	3465 (10 1/2) 4000 ²						9
							10
							11
			3480 (12) 3922				12
							13
			3485 (14) 3875				14
2453 (15) 3862	3465 (15) 3855 ⁶⁵		3485 (15) 3835	3500 (15) 3741			15
	3465 (16) 3818		3485 (16) 3818				16
3450 (17) 3750			3471 (17) 3703				17
3459 (18) 3694		3478 (18) 3692	3483 ⁵ (17 1/2) 3712 ⁵	TUG 4			18
3450 (19) 3625	3465 (18 1/2) 3690	3470 (18 1/2) 3475		3491 (18) 3670			19
3450 (20) 3648		3472 (19) 3555 ⁴		3498 (19) 3398			20
3457 (21) 3469							21
3450 (22) 3450 whole							22
3452 (22) 3542							23
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FATHOMS	3 H3 3500				
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6					3540 (40)
7					3545, (7) 4
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10	3504 (10) 4028	20,			
11		3518 (11) 3957			
12		3510 (12) 3910			
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14	13 3505 (14) 3761				
15	3500 (15) 3741				
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18	3500 (18) 3630				
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CORAL
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3540 (13) 3

3500 3H3					FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	
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				ex.	5
				3590 (30) 4063	6
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				3592 (7½) 4047	8
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				3596 (11) 3955	12
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			Picayune Hole		14
		3572 (14) 3720	3585 (14) 3719 ²⁰		15
			3580 (15) 3730		16
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FATHOMS	3 H 3 3600				
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
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9		3610 (9) 4037			
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13	3605 (13) 3800				
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3600 3H3					FATHOMS
50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	
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		3673 (7) 4062			7
	3660 (8) 3835		3685 (8) 3947		8
	3666 (7) 3970	3678 (9) 3932		3695 (9) 3980	9
	3660 (10) 3856			3692 (10) 3731	10
3650 (12) 3784					11
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FATHOMS	3 H 3 3700		10 - 19	20 - 29	30 - 39	40 - 49
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7	3706 (10) 4011	3712 (9) 4018				
8	high sand ridge	3712 (9) 3985				3740 (8) 4000
9	3700 (9) 3825	3712 (9) 3945			3737 (9) 3844	
10	3700 (9) 3800 ¹⁵					
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3700 3H3					FATHOMS
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				3793 (8) 3805	6
				3790 (8) 3834	7
8 405	3769 (52) 3976	3779 (2) 3822	3787 (2) 3872	NW SHELL PLAT FORM	8
3761 (9) 3985				3799 (9) 4023	9
3761 (9) 3255					10
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FATHOMS	3 H 3 3 8 0 0				
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4			3823 (27) 4084	3835 (4) 4082	
5	10, 12 3808 (6) 4078-4			9, 5, 1, 79	
6	3808 (6) 4067-3				
7	3808 (12) 4055		3 GAS WELL: E. GALL		
8	3805 (9) 4005		3820 (8) 3842	3835 (8) 4033	
9	3800 (9) 3950		15, 40		
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3800 3H3					FATHOMS
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		3872 (4) 3725		3898 (3) 4073	3
	3860 (4) 4020	3872 (4) 3742	3880 (4) 4022		4
3850 (5) 4035	3866 (6) 3962	3870 (6) 4045	3880 (5) 4040		5
3850 (5) 4060	3868 (6 1/2) 3931	E. GALV. S. B.	3882 (5 1/2) 3975		6
3852 (7) 3850	3860 (7) 3976-5	3870 (6) 3962	3884 (5 1/2) 3960		7
3852 (4) 3976	3862 (7) 3862-3	3876 (6) 3936			8
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FATHOMS

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FATHOMS

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NE P1450 3992

FATHOMS	3H3 4000				
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50 - 59	60 - 69	70 - 79	80 - 89	90 - 99	FATHOMS
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4004 (6) 3870

4018 (10) 3714

FATHOMS	3 H 2 3 9 0 0				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
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3				3960 (3) 3895	
4				3960 (5 1/2) 3884	
5			3975 (5 1/2) 3882	3966 (5 1/2) 3847 56	
6					
7	cx. 3990 (48) 3265				
8	3992 (50) 2 1/2 M NE PLAT.	55,		3967 (8) 3864	
9		3985 (9) 3750			3950 (9) 380
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FATHOMS	3 H2 3800				
	99 - 90	89 - 80	79 - 70	69 - 60	59 - 50
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3		(3290 3950)		(3260 4020)	
4		(3280 4020)			
5			SLAB		
6		3886 (6) 3870	3870 (6) 3872	3862 (6 1/2) 3862	2
7			3876 (7) 3852		3850 (7 1/2) 38
8			3872 (8) 3787		3854 (7 1/2) 38
9					
10					3856 (10) 36
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FATHOMS

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3742 (2) 3526	3835 (2) 3660	3822 (8) 3779
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FATHOMS	3 H2 3700		7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
	9 9 - 9 0	8 9 - 8 0			
1			1/4 M. Beach - 3761 3876		
2			1/2 M. Beach - 3764 3875	3755 (2 1/2)	
3			3768 (14) 3879	3750 (3)	
4			3767 3868		
5		96 3782 (32) 3885			
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7	5, 5,		3760 (7) 3850		
8	3790 (8) 3834				
9	3790 (8) 3805-1				
10	3798 (2) 3826				
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12		3784 (12) 3650			
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17					3750 (17 1/2) 34
18		3783 (18) 3419			
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31			3760 (31 - 32) PLATFORM		
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49 - 40	39 - 30	29 - 20	19 - 10	9 - 0			
		3725 (2) ^{3/4} mi. beach	3716 (2) 3875			1	
	3750 (5) 3870					2	
3744 (4) 3815						3	
		3725 (5) 3872				4	
3711 (6) 3853						5	
3744 (7) 3849						6	
				3760 (8) 3790		7	
	3751 (10) 3692					8	
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3741 (16) 3490						15	
3742 (17) 3424			3712 (18) 3483			16	
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	3735 (23) 3302	3723 (23) 3298		3760 (23) 3330		22	
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				3765 (26) 3165		25	
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3741 (39)						48	
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FATHOMS	3 H 2 3 6 0 0		9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1							
2							
3					3675 (3 1/2)		
4					3676 (4 1/2) 3872		
5					3675 (5) 3860, 57	3668 (5) 3858	3650 (5) 385
6							
7						3665 (7) 3776	
8						(3660 (9) 3735)	
9							3652 (10) 37
10							
11					3677 (12) 3638		3650 (12) 36
12							
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15				3625 (15) 3550			
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18	3692 (18) 3478						
19		3625 (19) 3450					
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24					5, 3670 (25) 3260, 57		
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FATHOMS

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3616(7)3832

3616(7)3832

3636(11)3688

3624(11)3646

3624(12)3633

3605(11)3690

3630(18)3500

3641(2)3576
3641(2)3576

3626(23)3370

3635(24)3350

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FATHOMS	3H2 3500				
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(13) 362	347.1(12) 3642		3511(13) 3609	3506(13) 3610 ¹⁵			12
		3520(14) 3577		3505(13) 3630			13
			3510(15) 3536	3500(16) 3517			14
				3506(16) 3510			15
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(14) 347							18
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	347.1(11) 3472 ¹⁰						20
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	3535(23) 3404						22
		3524(24) 3404 ⁷					23
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(16) 33	CLAY PILE						25
	344.2(21) 3341						26
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	344.2(21) 3344	3531(28) 3320	3528(28) 3328	3518(28) 3318			28
	344.2(21) 3345	3535(27) 3312	3525(29) 3312				29
		3522(30) 3264					30
				3515(31) 3269			31
				3516(32) 3228			32
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FATHOMS	3 H 2	3 4 0 0			
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1		DANGER			
2		Can be hit by boat!			
3		3483 (3 1/2)			
4		3481 (4 1/2) 3842		3465 (4)	
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11				3460 (11) 3665 Nr.	
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17	3496 (17) 3505				
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20			3475 (20) 3470-4		
21			3475 (20) 3492	3469 (21) 3458	5,
22					3450 (22) 34
23	90, 3494 (23) 3430				
24	3496 (24) 3420				
25	3 496 (25) 3410 R				
26	3495 (26) 3395 R			Cor.	
27	3496 (26) 3385-7			3465 (27) 3379	
28				3460 (28) 3370-4	3459 (28) 336
29	3443 (29) 3320				
30		3426 (30) 3390			
31		3480 (31) 3315-4			3450 (31) 33
32					5,
33	3497 (33) 3262	3428 (33) 3270			3453 (33) 32
34	3 93 (34) 3220				
35					3454 (35) 32
36					
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40				3465 (40) 3180	
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- 50					3400	3H2	FATHOMS
49 - 40	39 - 30	29 - 20	19 - 10	9 - 0			
							1
							2
							3
			3412 (4)				4
		3427 (5 1/2) 3833					5
							6
					1/4 mi. NW. 1st R. Bay		7
	3433 (7 1/2) 3771	3423 (6 1/2) 3747	3418 (7 1/2) 3757	3403 (7) 3787			8
							9
							10
	3435 (11) 3706						11
		3424 (12) 3633					12
							13
3441 (14) 3546							14
		3424 (15-20)					15
		3420 (16) 3511			3404 (15) 3524		16
							17
		R					18
		3420 (18) 3500 1/2	3416 (18) 3500				19
	3432 (19) 3474	3420 (19) 3485	3412 (19) 3477	3400 (19) 3563			20
							21
22) 3437	R						22
3442 (22) 3452	2	3435 (22) 3450					23
							24
3441 (25) 3420							25
							26
3414 (27) 3470							27
336 3441 (28) 3485							28
3443 (29) 3574 1/2							29
							30
31) 333446 (31) 3338							31
							32
33) 32							33
3411 (33)							34
35) 32							35
3416 (36) 3244							36
							37
3416 (39) 3116							38
3442 (40) 3190							39
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FATHOMS	342	3300	89 - 80	79 - 70	69 - 60	59 - 5
	99 - 90		3380 4045 ⁻⁶			
1						
2						
3			3380 (3 ^{1/2})			
4				3372 (4 ^{1/2}) 3830		3351 (4) 382
5						3350 (6) 3
6						
7						
8						
9						
10						
11			3385 (11) 3680	88 Coral 5		3351 (12) 3
12				3373 (12) 3673	3361 (12) 3635	3350 (12 ^{1/2})
13			3388 (13) 3624 ₀	3370 (13) 3620 ₆₇	3364 (13) 3558	3350 (13)
14						MUD
15				3370 (15) 3530	3360 (15) 3520	3350 (15)
16			3380 (16) 3512			
17						
18			3385 (18) 3482		3360 (18)	
19	3398 (19) 3498			3375 (19) 3502		Soft
20	3390 (19) 3494 ₈₅	3385 (20) 3475		3370 (19) 3490	3363 (21) 3459	3358 (20)
21		3385 (21) 3446			3368 (21) 3449	
22						
23					3368 (23) 3437	
24						
25			3382 (25) 3414			
26						
27					3362 (27) 3412	
28				3371 (28) 3388		3355 (28)
29	3392 (29) App.			3378 (29)		
30		3388 (30 ^{1/2}) App				
31	3395 (31) 3364				3365 (31) 3365	3357 (31)
32						3357 (32)
33	3392 (33) 3322			3371 (33) 3314	3363 (33) 3323	3350 (33)
34		BAD MUD				3353 (35)
35	3390 (35) 3300	3380 (35) 3300			3360 (36) 3300	3352 (36)
36				3376 (36) 3288		
37						
38				3371 (39) 3214		
39						
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- 5					3300 3H2		FATHOMS
49-40	39-30	29-20	19-10	9-0			
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FATHOMS	3 H 2 3 2 0 0					
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5	
1						
2						
3						
4				3262 (26)		
5	3290 (5) 3792					
6						
7						
8	3290 (8) 3743	3288 (8) 3760				
9						
10		3287 (10) 3698				
11		6 2	3270 (11) 3690	3265 (11) 3624 R	3250 (11) 362	
12		3280 (12) 3650		3612	361	
13					3250 (12) 36	
14	3295 (14) 3568					
15		3280 (15) 3557		3265 (15) 3550	3258 (15) 35	
16					3255 (17) 35	
17				3265 (18) 3503	3254 (18) 35	
18				3265 (19) 3495		
19	3290 (19) 3500			3261 (19) 3489		
20	37 97	3285 (20) 3470		3269 (20) 3463		
21	3294 (21) 3458					
22						
23				R	3250 (23) 35	
24				3260 (24) 3440		
25						
26						
27				Coral		
28		3280 (25) 3400	4 (168)	3269 (28) 3403 02		
29			3273 (29)	3260 (29) 3392 9	3250 (30) 35	
30				3265 (30) 3380	3250 (30) 35	
31				75	47	
32	R					
33	3293 (33) 3343	3280 (33) 3347				
34						
35				Top of Ridge	3258 (35) 35	
36				3265 (36) 3295		
37			3275 (37) 3281 8	87		
38			2			
39						
40						
41	3295 (41) 3215					
42						
43		3284 ←		3262 (43) 3220 29		
44						
45						
46						
47						
48						
49						
50	3290 (50) 3195				3259 (50) 35	

3200 3H2				FATHOMS
49 - 40	39 - 30	29 - 20	19 - 10	9 - 0
				1
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FATHOMS	3 H 2 3 1 0 0									
	9 9 - 9 0		8 9 - 8 0		7 9 - 7 0		6 9 - 6 0		5 9 - 5 0	
1										
2										
3										
4	3196 (4)									
5										
6							3160 (6 1/2) 3775			
7										
8										
9			Wr.							
10			3188 (9) 3725							
11										
12							3162 (12) 3648			
13			3185 (13) 3625 ^{30,}				3160 (13) 3640		4,	
14			3				3160 (13) 3632		3150 (13) 36	
15										
16										
17										
18										
19	19 Fm. Rock		3180 (19) 3470							
20	3198 (20) 3465 ⁸⁸		3188 (21) 3485							
21			3188 (21) 3466		3175 (21) 3445		3167 (21) 3483			
22										
23							3168 (23) 3445			
24										
25									3150 (25) 34	
26										
27					3175 (27) 3415					
28										
29	3392 (29) A ₂₀₀									
30										
31										
32							3162 (32) 3356		3155 (32) 33	
33										
34										
35										
36										
37										
38										
39	3199 (39) 3270						3170 (39) 3277 ^{65, Rock 80}		6, Pipe	
40							6569 74		3151 (40) 32	
41										
42										
43										
44										
45					3170 (45) 3250					
46					3171 (46) 3239					
47	3195 (47) 3238				3171 (47) 3231		3160 (47) 3230 ^{9,}			
48										
49										
50			3182 (50) 3215							

3100 3H2					FATHOMS
49 - 40	39 - 30	29 - 20	19 - 10	9 - 0	
		3124 3831	3124 3821		1
					2
					3
3146 3867				3102 (4) 3805	4
					5
				3100 (6) 3770	6
					7
				5, 7,	8
3142 (10) 3765				3100 (9) 3702-4	9
					10
(13) 36	51,		50,	55,	11
3140 (13) 3645			3105 (13) 3650-3		12
3147 (13) 3646					13
3145 (14) 3570				3100 (14) 3588	14
				3107 (14) 3581	15
					16
3143 (17) 3518					17
	40,				18
	3133 (19) 3504	3127 (21) 3477			19
	3133 (21) 3458	3122 (21) 3468	3116 (20 1/2) 3487		20
	3132 (21) 3467-8	3127 (21) 3452		20,	21
	3132 (22) 3450		3112 (22) 3452	3103 (21) 3468	22
				3107 (22) 3445	23
	Hole				24
25 34	3133 (25) 3437				25
					26
			3111 (28) 3409		27
			3110 (28) 3400		28
		3125 (29) 3400	3117 (29) 3393		29
2, 22			small		30
3140 (31) 3379	3136 (31) 3287	3128 (32) 3370		58,	31
3 33		3128 (32) 3338	3110 (32) 3350	3100 (31) 3359	32
		3126 (33) 3380		3107 (32) 3345	33
					34
			3114 (35) 3302		35
					36
					37
					38
					39
					40
	3136 (42) 3247				41
					42
					43
					44
					45
3147 (42) 3240					46
3142 (50) 3228					47
					48
					49
					50

FATHOMS	3 H 2 3 0 0 0				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2					
3				Spud Barge	
4				3069 (4 1/2)	
5				8	
6					
7					
8					
9					
10					
11					
12	3092 (12) 3652				3050 (12) 365
13	3090 (12) 3645				
14			R.		
15			3077 (15) 3555		
16					
17					
18					
19					
20		3080 (20) 3490			
21	3098 (21) 3468	3085 (21) 3458	3075 (21) 3455		3055 (22) 3
22					3055 (22) 34
23	3093 (23) 3434				0 3
24				3060 (24) 3424	3053 ←
25					
26					
27					
28	3091 (28) 3488		3077 (28) 3404	3069 (28) 3416	
29	3097 (29) 3404	Cor.			
30	3090 (29) 3395	3080 (30)	3072 (30 1/2) 3364	5, 1,	3051 (31) 33
31	3090 (30) 3385		3076 (31) 3373	3063 (31) 3370	3055 (31) 33
32					3050 (31) 33
33				3066 (33) 3330	3050 (31) 33
34					
35					
36		3080 (36)			
37					
38	3090 (38) 3316 10			3060 (38) 3310	
39	31	08			
40					
41	95 Cor.	3083 (42) 3278			
42	3090 (42) 3290	Scattered Coral			3050 (42) 3
43		3083 (43)			
44		↑			
45					
46					
47					
48	Cor.	60			
49	3095 (49) 3260	3087 (49) 3259	Cor.		
50			3075 (50) 3254	3060 (50) 3265	

- 5 0					3000	3H2	FATHOMS
49 - 40	39 - 30	29 - 20	19 - 10	9 - 0			
							1
							2
							3
							4
						3000 (5 1/4)	5
						3000 (7 1/2) 3740	6
		3026 (7 1/2) 3742	3010 (7 1/2) 3740			3004 (7 1/2) 3732	7
						3003 (8) 3725	8
						3005 (9) 3704	9
							10
							11
							12
						3000 (12) 3596	13
							14
							15
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							17
						3000 (18) 3500	18
						3000 (18) 3495	19
							20
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FATHOMS	3 H 2 2900				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1			2975 3843		
2					
3		^{3.4} 2980 (3 1/2) 3780 ¹ ₇₇			2959 (3 1/2)
4					
5					
6		2989 (6) 3759 ₈	2974 (6)		
7				2969 (7 1/2) 3728	2953 (7) 374
8					
9		³ 2984 (9) 3704	2975 (9) 3715	2969 (9) 3710	
10	2993 (10) 3659 ₄				2950 (10) 36
11					2956 (10) 36
12	2990 (12) 3650				2950 (11) 36
13	2997 (12) 3644			2963 (13) 3634	2957 (12) 36
14					
15	2990 (15) 3543				
16	⁷ Pipeline		^{100'} 2970 (17) 3545 ₃		
17	2993 (17) can cross		2975 (17) 3530		
18			2970 (18) 3520 ₄		2954 (18) 3
19					
20			2975 (20) 3474		
21		2987 (21) 3474			
22					
23	⁸ 2997 (23) 3436 ₄				
24	⁷ ^{50'} 2985 (24) 3430	2975 (24) 3450			2955 (24) 3
25	2990 (25) 3443	2987 (25) 3415 ₅		2965 →	2958 (25) 3
26					2950 (26) 3
27					
28	2995 (28) 3404	⁹⁵ 2987 (28) 3402 ⁴	2975 (28) 3400 ₄	2960 (28) 3390	
29				2960 (29) 3380	
30					
31	2990 (31) 3370				
32	2994 (32) 3362			SLAB 2960 (33) 3355	2954 (33) 3
33					
34					
35			2975 (35) 3336		⁶⁰ 2956 (36) 3
36					
37				2960 (37) 3332	
38					
39					
40					
41					
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47					
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49					
50					

50	49 - 40	39 - 30	29 - 20	19 - 10	2900 3H2	FATHOMS
					9 - 0	1
		$\frac{3}{4}$ mi. from beach			Yellow Table	2
	2930 (16) 3776	2925 3770	Sue Taylor	2912 (26)	2908 3769	3
2940 (4) 3765						4
3745	2940 (7) 3719					5
		2929 (8) 3720				6
369	2936 (9) 3669	2920 (10) 3675			2900 (8) 3726-3	7
366		2920 (10) 3660			2909 (8) 3723	8
365	2944 (12) 3589					9
360	2931 (13) 3585					10
					2902 (13) 3620	11
						12
					2900 (15) 3540	13
349		2920 (18) 3515				14
	2935 (20) 3478				2905 (18) 3518-5	15
					2905 (19) 3480	16
						17
345						18
344	2933 (24) 3458				Pipeline	19
342					2904 (24) 3454	20
	2944 (26) 3437	2937 (26) 3425	2928 (25) 3425	2912 (25) 3434		21
		2927 (25) 3438	2910 (27) 3425			22
	2940 (28) 3380	2931 (28) 3390	2920 (27) 3420	2912 (27) 3410	11, Coral 13, 16	23
				2910 (27) 3406	2905 (27) 3415-1	24
					2905 (28) 3375	25
						26
334	2946 (33) 3354			2910 (31) 3370		27
	2945 (34) 3340			2919 (33) 3355	2900 (33) 3352	28
333						29
		2927 (37) 3333				30
			Cap.	2911 (38) 3331		31
						32
						33
						34
						35
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						46
						47
						48
						49

FATHOMS	3 H 2	2 8 0 0				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0	
1						
2			2875 (10 1/2)			
3						
4				^{4,9} 2863 (5)	⁷ 3754-1	
5						
6						
7	2895 (40) 3742			2864 (7)		
8		2888 (8) 3710, _{14.6} ₀₉				
9			2872 (9) 3704	2860 (9) 3680		
10				2863 (12) 3634-29		
11				2866 (13) 3617		
12	2890 (13) 3633			2860 (13) 3590		
13	2891 (13) 3605	2884 (13) 3570		2866 (13) 3582		
14		2887 (14)				
15	2896 (15) 3543	2884 (15) 3550				
16		2885 (16) 3540-5				
17		2884 (17) 3520	2872 (17) 3530-25	¹⁵ 2860 (17) 3520		
18		2883 (17) 3492	^{10.6} 2878 (18) ^{HOLE} 3477-6	2868 (18) 3512	¹ 2850 (18) 3501	
19						
20						
21						
22			^C			2854 (22) ^{Pipe} _{can}
23	2890 (23) 3458		2875 (23) 3460	2860 (23) 3464		
24						
25	2899 (25) 3445			2860 (25) 3445	2850 (24-25)	
26						
27						
28	¹⁰ 2890 (28) ³⁴¹⁰ 3407	⁵ 2887 (28) ³⁴¹⁰ 3385	⁴ 2872 (28) ⁴ 3407		2851 (28) 3401	
29	₈₅					
30			2875 (30) 3375		2855 (30) 3375	
31				2865 (31) 3365		
32						
33						
34						
35						
36	2890 (36) 3340		^{Cor.}			
37			2877 (37 1/2) 3325			
38						
39						
40						
41						
42						
43						
44			2878 (44) 3308			
45						
46						
47						
48						
49						
50		2880 (50) 3275				

50	49 - 40	39 - 30	29 - 20	19 - 10	2800 3H2 9 - 0	FATHOMS
						1
		2837 (3) 3749			2803 (2 1/2)	2
		2836 (3) 3743				3
	Johns, Blonde			2813 3743		4
	2847 (6) 3733-3	2832 (6 1/2) 3729	2820 (6) 3731	2816 (4) 3736-4		5
	2847 (7 1/2) 3722 w			2813 (6) 3733	2808 (6) 3737-3	6
					2808 (6) 3727	7
						8
						9
						10
						11
						12
						13
	2842 (5) 3547	2835 (5-16) 3540				14
		2833 (7-13) Pipeline			2802 (16) 3555-2	15
3507				2810 (17) 3515	2800 (16) 3535	16
			2822 (9) 3489, 4	2813 Pipe 3490	2807 (19) 3492	17
Pipeline can be crossed						18
						19
						20
	2840 (24) 3456					21
						22
		2832 (26) 3432			2400 (24) 3455	23
				OIL BOAT	2809 (25) 3447	24
				4 3 5	2801 (26) 3436	25
3415			2824 (27) 3429-5	2812 (27) 3424	2800 (27) 3420	26
	2840 ← 3380	Rock →	2825 (28) 3415	2810 (29) 3396		27
3375			Scattered Coral		4 3410	28
			H	2811 (30) 3388-9	2800 (30) 3380	29
	2836 (31) 3371	2822 (31) 3369, 8		2810 (31) 3365	BAD MUD	30
	2832 (32) 3349				2806 (31) 3380	31
					2800 (31) 3375	32
					2806 (32) 3347-3	33
					2800 (34)	34
						35
			2825 (37) 3337			36
						37
						38
						39
						40
	2835 (41) Pipeline					41
						42
				2411 (43) 3308		43
						44
						45
						46
						47
						48
						49

FATHOMS	3 H 2	2700					
	99 - 90	89 - 80	79 - 70	69 - 60	59 - 50		
1			(2774 4014)	(2765 4016)	(2755 4016)		
2							
3		M.A. BOLAN					
4		2785 (4 1/2) 3730					
5		0' 28'					
6				2762 (6) 3720	2752 (6) 3717		
7	2794 (7) 3720				2750 (7) 370		
8		6' 5'	8' 50' 8'	2760 (8) 3691	2750 (8) 368		
9	2790 (9) 3703	2780 (9 3/4) 3691	2773 (9) 3685-4	2765 (9) 3680			
10		2785 (10) 3670		2761 (9) 3669			
11							
12				2764 (12) 3627			
13				2760 (12) 3635			
14	2798 (14 1/2) 3560		2770 (14) 3575				
15	2790 (15) 3555, 4'	2783 (15)	2777 (15) 3560	2762 (15) 3533			
16			R		2750 (16) 355		
17			2770 (17) 3530				
18					2750 (18) 34		
19					2750 (19) 34		
20	2790 (20) 3480			R			
21				2760 (21) 3464			
22							
23			RED BARON TORE UP ON VALVE				
24			2779 (24) 3454				
25							
26	5,						
27	2791 (27) 3400						
28		5, 7,	5, 0 R 8'				
29		2780 (29) 3410-2	2773 (29) 3377				
30	2791 (30) 3400		2775 3400	2764 (30) 3404			
31	2791 (31) 3368			2761 (31) 3392			
32				(32)			
33							
34							
35		90					
36		2789 (36) 3344	2775 (36) Hole				
37							
38		2785 (38)					
39	2791 (39) 3331						
40							
41							
42			2775 (42) 3316	2769 (42) 3314			
43							
44							
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50	49 - 40	39 - 30	29 - 20	19 - 10	2700 3H2	FATHOMS
4016	2747(12) 3459			2716 3275	9 - 0	1
				2713 (2) 1 1/4 mi offshore		2
			2715 3972		2702 (3 1/2)	3
			2720 (4 1/2) 3720	2715 (4) 3732		4
3717	2740 (6) 3718	2734 (6) 3712	2725 (6) 3715			5
3707	2740 (8) 3696	2730 (7) 3703		2717 (7) 3700	2704 (8) 3677-5	6
3688	2746 (9) 3656			2712 (8) 3671	2704 (9) 3686-7	7
	2742 (10) 3650	2730 (10) 3640		2710 (10) 3642	2690	8
					2706 (10) 3652-1	9
					2706 (11) 3625	10
	2743 (14) 3583	2734 (13) 3618				11
		2737 (14) 3575				12
				2710 (14) 3595		13
3550	2745 (16) 3551	2731 (16) 3553				14
349						15
342		2733 (18) 3515				16
			W.C.			17
			2720 (19) 3475			18
						19
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						21
						22
placed						23
5) 345						24
6) 345	2740 (26) 3438	2738 (26) 3440-3			2704 (26) 3438	25
8) 345	2744 (28) 3423					26
						27
	2742 (30) 3414	2733 (31) 3390				28
	2740 (31) 3405	2730 (31) 3386-4				29
338	2747 (32) 3392	2733 (32) 3362	2720 (32) 3388-10	2710 (31) 3403	2702 (31) 3407	30
338	2740 (33) 3380		2727 (33) 3385			31
			2270 (33) 3360			32
			2727 (36) 3355			33
			2729 (36) 3347-3			34
			2725 (37) 3337			35
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FATHOMS	3 H 2 2600				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2		2625, (3) 3720 ¹⁰			
3		3 ¹⁷	5, 34'		
4			2673 (4) 3708	34'	
5			2678 (5) 3708	2665 (5)	2650 (5) 370
6				2660 (6) 3690	
7					
8	2690 (8) 3660	2682 (7) 3665			2650 (8)
9	2690 (9) 3651		2670 (9) 3650		
10					
11			2674 (11) 3626		
12	2693 (12) 3619	2680 (12) 3610		2664 (12) 3602	2650 (12) 360
13				2667 (13) 3613	
14					
15					
16					
17		2680 (17) 3526	2670 (17) 3528-4	2663 (17) 3534	
18			2675 ←	2667 (17) 3524-3	
19		2680 (19) 3484	2675 (19) 3521 C	2660 (19) 3510	2655 (19) 345
20			2670 (19) 3479	2664 (19) 3476	
21				2663 (20) 3462 Wc	
22					
23				7, Wc	2650 (23)
24				2665 (24) 3450-4	
25					
26					
27					2655 (27) 34
28	2690 (28) 3433 ⁵				
29					
30					
31					
32			2674 (32) 3396	2665 (32) 3399-3	2652 (32) 33
33	2690 (33) 3376		2670 (32) 3380	2664 (33) 3393-0	2654 (32) 33
34	2697 (33) 3368		R 2678 (33) 3372-11	2664 (33) 3367-1/2	2650 (34) 33
35			R 2673 (34) 3364-5/8		
36				2660 (36) 3380	
37			2678 (37) 3358	2662 (37) 3342	
38	2690 (38) 3343 ^{5, 6}				2658 (38) 33
39					
40				2665 (40) 3330	
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45			2678 (45) 3308		
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50	49 - 40	39 - 30	29 - 20	19 - 10	2600 3H2 9 - 0	FATHOMS
						1
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					2605 (7) 3642 ⁵⁰ ₂₀	7
3700					2600 (7) 3638 ⁴² ₄₀	8
					2600 (7) 3630 ²⁷	9
						10
3600					2601 (11)	11
						12
	2647 (14) 3554					13
					Coral	14
					2600 (13) 3560	15
	2640 (17) 3535					16
3450	2640 (18) 3516			2617 (18) 3483		17
		2630 (19) 3500	2625 (19) 3485	2610 (18 ^{1/2})		18
						19
						20
						21
						22
	2640 (24) 3454					23
	2646 (26) 3444				2605 (24) 3449 ⁵⁰ ₄	24
3440						25
				CAP		26
		2620 (27) 3440		2615 (27) 3435 ⁷	2605 (27) 3440 ⁰⁰	27
	2642 (30) 3415 ₍₃₁₎					28
						29
3400		2623 (31) 3394 ⁵		2610 (31) 3395 ⁴	Candy Mt.	30
3370				2616 (31) 3404	2606 (31) 3387 ⁵	31
3365				2616 (32) 3388	3381 ₃₃₈₂	32
						33
					2605 (34) 3362	34
	2630 (36) 3350				2600 (37) 3354	35
3330		2625 (37) 3340			CHURCH Steeple Rock	36
					2600 (37) 3342 ⁴	37
	2640 (40) 3322					38
						39
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	2630 (42) 3322					41
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		2625 (45) 3313				44
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FATHOMS	3 H 2 2 5 0 0				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2					
3					
4			8, 2573 (4) 3360-4	79, 2560 (4) 3680	Mr. Big 2558 (4) 3669
5	2597-2 (5) 3667-9		2 MAILBOX		
6	2597 (6) 3645		2575 (38) 3634-8	2568 (6) 3634	44'
7	2592-3 (7) 3613			2560 (7) 3630	2558 (7) 3613
8	2590-4 (52')		52'		
9	(9)		2571, (9) 3620		
10			2,		2555 (10) 3605
11					
12					
13			2570 (13) 3581		
14					
15		2585 (15) 3565			
16					
17					
18	2590 (18) 3510	7, 12		9,	
19	2597 (19) 3502	2580 (19) 3511	2575 (19) 3486	2564 (19)	
20	2593-1 (20) 3493-5		2575 (20) 3493	2564 (20) 3483	7,
21			2578 (21) 3464		2550 (21) 3464
22					
23					
24	2595 (24) 3454			2565 (24) 3455	
25					
26					49, 2550 (26) 3454
27	2599 (27) 3437			2560 (27) 3438	
28	2595 (28) 3430				
29					
30					
31	2590 (31) 3398-7	5,		2560 (31) 3405	
32		2580 (32) 3390			
33				2569 (33) 3381	2552 (33) 3381
34		2589 (34) 3379	2575 (34) 3375	2562 (33) 3388-7	
35		2580 3380-2			
36		2580 (35) 3370-5			
37	2590 (37) 3343-52	2586 (37) 3346		2 Rock 2562 (37) 3342-30	2558 (37) -
38		2580 (37) 3340			
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50	49 - 40	39 - 30	29 - 20	19 - 10	2500 3H2 9 - 0	FATHOMS
						1
3665					2500 (2) 1/2	2
			2529 (4) 3666			3
			2528 (5) 3610			4
	2540 (6) 1/2					5
		6 (7) 1/2				6
	2534 (8) 9 1/2			2517 (7) 5		7
3605	2531 (52)	5 8	2523 (9) 3680	8		8
		0 (59)			2500 (53) 59	9
	2532 (11) 12					10
					2506 (11) 3590	11
						12
					2500 (14) 3560	13
						14
						15
						16
						17
	2547 (20) 3500	2535 (19) 3510				18
3480	2540 (20) 3484					19
			2520 (2) 3480			20
	2535 (22) 3465					21
						22
	2549 (25) 3449	30 50	2521 (25) 3449			23
3446						24
						25
						26
						27
	Well					28
	2530 (30) 3410	2520 (30) 3410				29
					Tony's Rock	30
					2500 (30) 3407	31
3381					2506 (31) 3402-0	32
	R.				2506 (32) 3390	33
	2535 (34) 3375	2529 (34) 3369			2505 (32) 3388-9	34
						35
	2541 (37) 3342				2502 (35) 3362	36
					2508 (36) 3347	37
					2505 (37) 3340	38
						39
	2537 (40) 3327		2515 (39) 3333			40
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2542 (60) 3310						49
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FATHOMS	3 H 2	2 4 0 0			
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
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6		2483 (34) 3663			
7					
8		2483 (84) 3603		2460 (8) 3602	
9					
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11				2466 (11)	
12		2483 (13)			
13					
14		2486 (14) 3554			
15				2463 (15) 3542	
16		2483 (98)	2470 (14) 3540		
17		2481 (17) 3526			
18					
19	2498 (19) 3496				
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22		2489 (22) 3461			2452 (22) 346
23					
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26					
27					2450 (27) Rod
28					2461 C
29					2455 (29) 342
30					
31				2467 (31) 3400-15	2459 (31) 340
32			2473 (32) 3395	28	2457 (32) 33
33			5 6 60 22		
34		2473 (34) 3375	2464 (34) 3380		
35					2452 (35) 33
36					
37		2475 (37) 3346			
38				2464 (38) 3340-23	2451 (38) 33
39		4282 (39) 3332		2465 (40) 3325	2450 (40) 33
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42	2490 (42) 3325				
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50	49 - 40	39 - 30	29 - 20	19 - 10	2400 3H2 9 - 0	FATHOMS
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MAST
18 (4) 3620
5 (3)

3 1/2 Wt.
2404 (4) 3618-20

2410 (26-34')

2446 (11)

2410 (12-13)

2400 (13 1/2)

74
469

2424 (2) 3484

2411 (20 1/2) 3483

2448 (23) 3458

2430 (22)
2433 (23) 3464

2404 (22) 3465

2445 (24) 3446

2403 (23) 3445

2442 (25) 3419-21

ock
2
421

2447 (27) 3432

2443 (28) 3426

109
395

2437 (32) 3389

8 (3)
2400 (30) 3395-0

16' 2438 (33) 3379-3
40 88

370

2 1/2 F
2420 (35) 3366 1/2
11

206'
2416 (34) 3400

2407 (35) 3370
2400 (35) 3360
95

345

2446 (39) 3323

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2410 (40) 3330
08

2430 (43) 3319
2430 (44) 3308

6
2424 (43) 3322 1/2
2 1/2

2400 (43) 3325

FATHOMS	3 H 2	2 3 0 0				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0	
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4	2398 (4) 3615					
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7		2380 (7 1/2)				
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12			2370 (13 1/2)			
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15			2374 (16)			
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20			2375 (21) 3480			
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31	2393 (31) 3393	2380 (31) 3400	2376 (31) 3393			2358 (32) 339
32		2382 (32) 3388				
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41	2390 (41 1/2) 3330					
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49 - 40 39 - 30 29 - 20 19 - 10 2300 3H2
9 - 0

FATHOMS

2342 (29)

2318 (8-9)
3'

2306 (11)

2321 (13) 3537

2330 (16)

2332 (22) 3462 2322 (22) 3464
23

2300 (24)
↓
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2340 (29) 3415
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2310 (28-30)

2300 (28)
↓
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2300 (30)
3400
3390
34

390

R

2338 (31) 3395-90 Jean's Rock
2325 (31) 3389^{ex.}

376

2344 (33) 3380² 2338 (33) 3377²
15 3 12

2331 (308)

2329 (34)
2326⁵ (34) 3376⁵
2320⁸ (36) 3365⁶
2320¹⁰ (37) 3350
2325 (38) 3345⁶

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340

2342³ (38) 3350³

2345 (40) 3330²⁵ 2338 (40) 3337
2336⁸ (41) 3310⁷
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2310 (48) 3310

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FATHOMS	3 H 2 2200				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1			2270 3680		
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21	2291 (2) 3467				
22	2295 (2) 3460				
23					
24					
25					
26	2295 (26 2/3) N. 160' Rock				
27					
28		2285 (28)			
29					
30					
31					
32	2297 (32) 3387			2261 (32) 3383	
33			2275 (33) 3375		
34		2283 (34) 3370	2275 (34) 3375	2250 (34) 3370	2250 (34) 3370
35			2277 (35) 3370	2258 (35) 3368	2250 (35) 3370
36		2289 (36)	2270 (36) 3357		
37				2260 (37) 3357	
38		2280 (38) 3350			
39					2250 (39)
40				2265 (40)	
41					
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45		2288 (45) 3319			
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49 - 40

39 - 30

29 - 20

19 - 10

2200

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9 - 0

FATHOMS

²
 2225 (3 1/2) 3605
 (4)

2240 (12 1/2) 3525

⁸ (2)
 2203 (13)

2225 (15) 3500

2218 (14)

 Wr.
 2238 (19) 3474
⁵

2244 (21) 3456

2206 (19) 3411

2220 (23) 3443

2213 (26)

2244 (29)

⁵
 2226 (29) 3412

2236 (31 1/2) 3395

2216 (30)

2245 (33)

2225 (32) 3388

2234 (35) 3372

2235 (37) 3350

* 2200 (39) 3345

^{24 1/2}
 2240 (43) 3330

R

^{24 1/2}
 2225 (43) 3330

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FATHOMS	3 H 2	2100					
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0		
1							
2							
3				2168 (21)	2155 (3) 3571		
4					2155 (4)		
5							
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11							
12					2155 (12) 3511		
13		2180 (13) 3510					
14				2163 (14) 3495			
15							
16							
17							
18				2167 (18) 3466	2153 (18) 3466		
19							
20		2180 (20)					
21		(21)	2178 (21)	2168 (21)	2150 (21)		
22							
23		2187 (23) 3444 ²					
24			2174 (24) 3440				
25							
26							
27			2174 (27)				
28		2180 (28) 3418		2166 (28) 3418			
29	2192 (29) 3410	2182 (29)	2172 (29)				
30				2160 (30) 3397-5			
31		2180 (31) 3400	2178 (31) 3398	2163-5 (31) 3389 CAR			
32							
33				2161 (34) 3383			
34		2184 (34) 3382	2179 (35) 3370	2163 (34) 3377-5			
35			2170 (35)		2153 (35) 3309		
36		7, R.	2175 (36) 3360				
37		2182 (37)					
38		2180 3353		2160 (38) 3353	2150 (39) 3350		
39					2150 (38-40)		
40							
41							
42							
43		2182 (43) 3337			2151 (43) 334		
44							
45							
46				2160 (46) 3302	2150 (46) 3330		
47				↑ ↑ ↑			
48					2158 (48) 33		
49							
50				2135 (60) 3320			

50	49 - 40	39 - 30	29 - 20	19 - 10	2100 3H2 9 - 0	FATHOMS
3571			2128 (3)			1
						2
						3
						4
					2, 34½' 2107 (6 3/4)	5
				2113 (48')		6
					2103 (9)	7
3511				2112 (11) 3496		8
						9
						10
						11
						12
						13
			2125 (13)	2112 (15) 3474 1/2		14
						15
3466		2137 (18)			12, 0 2107 (17) 3466 1/2 R	16
					4, 5	17
	2140 (20) 31 (21)			2113 (20) (21)	2107 (19) 2100 (20) 3444 (21)	18
						19
				15 (18) 46 2116 (23) 3441		20
						21
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	2145 (26)					24
						25
	2140 (28)			2117 (28) 3417 2110 (29) 3410		26
						27
						28
		(30) 2 2139 (31)				29
	2141 (32) 3394 31			2115 (31) 3396 1/2 3 4	3 2102 (32)	30
						31
						32
305					2104 (34) 2105 (35) 3375	33
						34
						35
50 ←	2140 (38) 3365 2144 (39) 3356 1/2	2139 (39) 3354				36
	5, 6 2140 (41) 3345					37
						38
						39
346		2135 (42)			2108 (41) 2100 (42) 3353	40
						41
			2128 (44)			42
35 30 ←	2140 (46) 3330 1/2	2133 (46) 2135 (46) 3302		2113 (46) 3336		43
						44
318						45
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FATHOMS	3 H 2 2 0 0 0				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
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3					
4					2051 (4 1/2) 3566
5					
6	2096 (6)			2060 (6)	
7					
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9					
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11				⁹ 2063 (11) ¹⁸ 3509	
12		2082 (12)		²	
13				2068 (13) 3495	
14					2058 (14) 3495
15					
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17					
18					
19					
20			2077 (20) 3444		
21					2050 (21)
22					
23					
24					
25				2067 (25) 3425	
26					
27					
28					
29		2081 (29)		²⁸ 2065 (29) ⁽³⁰⁾	
30	2098 (30)			2060 (30 1/2)	2050 (30)
31					
32					
33					
34					
35				2068 (35)	
36					
37			2079 (37)	2060 (37 1/2)	2050 (37) 337
38					
39			2070 (39) 3360		
40					
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44	2090 (44) 3340	2080 (44) 3339			
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50	49 - 40	39 - 30	29 - 20	19 - 10	2000 3H2 9 - 0	FATHOMS
						1
3566	2048 (3 1/2) 3585					2
						3
					2002 (4) 3550	4
						5
						6
			2020 (8) 3530			7
			⁵ 2023 (10 1/2)			8
	2042 (11)		(12)			9
						10
3495						11
						12
						13
						14
					HQ 2002 (15) 3350	15
						16
			2026 (106)			17
						18
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			2020 ←	2010 (4)		23
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						26
						27
						28
						29
				2110 (30)	36 2005 (30) 3400	30
				2017 (31) ¹⁵ 385	2000 (30 1/2) 34	31
				2011 ^{W.C.} (33)	65	32
						33
						34
						35
3370						36
						37
						38
	2040 (40)		30.38 Co. R. 2027 (40) 3358-9			39
						40
						41
						42
			2025 (44) 3338			43
						44
						45
						46
						47
						48
						49
						50

FATHOMS	3H2 1900				
	99 - 90	89 - 80	79 - 70	69 - 60	59 - 50
1					
2					
3			1970 (3)		
4	1996 (4) 3578			1965 (5) 3543	
5					
6				1965 (7)	
7		1980 (8)	1970 (8) 3520	1965 (7)	1959 (7 1/2)
8		1980 (8)			
9					
10			1973 (11 1/4) 3480		
11	1995 (11) 3495				1952 (12) 347
12		1984 (12) 3482	1975 (13) 3470	1969 (13)	
13		1985 (13 1/2)			
14			1976 (15 1/2)		
15					
16				1965 (17) 3445	
17			1970 (18)	1960 (18 1/2)	1952 (19)
18					
19		1980 (20 1/2)			
20					
21			1978 (22) 3423		
22					
23					
24					
25					
26	95				
27	1990 (27) 3495			1963 (29)	
28					
29		1980 (30)			
30		1980 (31) 3388	1970 (32) 3382	1965 (32) 3385	
31			1971 (33) 3387		
32	4 3				
33	1992 (33) 3322				1955 (34)
34					
35					
36					
37	1995 (37) 3367				
38			1971 (39) 3365	1965 (39) 3365	1953 (39)
39				1960 (40)	1952 (40)
40					
41			1970 (42) 3360	1960 (42) 3350	
42					
43					
44			1970 (45)		
45					
46					
47				1960 (48) 3340	
48					
49					
50					

49 - 40

39 - 30

29 - 20

19 - 10

1900 3H2

9 - 0

1949 (9) 3587

1930 (3) 3552

1942 (6)

9, (4) 35

1900 (5)

1920 (7)

1940 (9) 3500

56-60
1931 (9) 3490-87

1924 (9)

1917 (8)

1910 (9)

1915 (10) 3475

1948 (12)

1938 (12) 3472

1918 (12)

1900 (11)

1943 (15) 3449

50
1935 (15) 3450

1930 (16) 3446

1916 (15) 3450

05
1907 (14) 3457

1907 (15) 3450

1946 (19)

1907 (17)

1943 (20)

1903 (19) 3433

1933 (23)

Coral

1903 (25)

1940 (30)

3
1900 (30)

1948 (33)

1908 (31) 3392

1942 (35)

9
1917 (33) 3380

1900 (33) 3378

1910 (35)

1936 (37) 3370

1907 (42)

1921 (53)

FATHOMS	3 H2 1800				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2			1872 (2)		
3				1868 (3 1/2)	
4					
5				1861 (5 1/4)	
6					
7	BOOM-LIKE STRUCTURE				1855 (7) Anchor
8	1890 (2) 3485	(8)	1870 (8) 3485		
9	3'	1886 (9)			
10		0			1854 (10)
11				1867 (11 1/2)	1859 (11)
12				1860 ² (12)	1856 (12 1/2) 344
13	1896 (13) 3457				0,
14	2,		(14 1/2) 18	3,	1852 (14)
15	1890 (15) 3342 ^{-NO}		1876 (15)	1862 (15)	5' (14 1/2)
16			7 (15)		
17					
18			Pipe		
19			1876 (19) 3422		1855 (19)
20					
21		1886 (21)		1868 (21) 3415	
22					
23					
24					
25					
26					
27					
28	HI?		HI?		
29	1890 (29) 3485		1870 (29) 3485	(30 1/2)	
30				1860 (30)	
31					1850 (31) Coral
32	1892 (32)				1856 (31) 337
33				R	Coral
34			1875 (34)	1868 (34 1/2) 3362-9	1853 (34) 336
35					
36	1890 (36)		1873 (36) 3369		
37					1851 (37)
38					
39					(39)
40					(40)
41					
42			1871 (42)		2, 3, 4 R
43					1850 (43) 335
44					
45		80 CAP			
46		1878 (46) 3341			
47					
48					
49					
50					

50	49 - 40	39 - 30	29 - 20	19 - 10	1800 3H2 9 - 0	FATHOMS
			1810 (2 1/2)			1
						2
						3
						4
Anchor	1845 (7 1/2)		1829 (6)			5
					1803 (8 3/4)	6
						7
				1810 (10 1/3)		8
3447	1849 (12)	1835 (20)	1825 (12 1/2)			9
	1848 (13 1/2) (2)		1820 (13)			10
			24 (22)			11
	1845 (15)					12
	1844 (17)					13
						14
						15
						16
						17
						18
	9 (21)		5		1808 (19) 3415, 3	19
	1848 (22)		1824 (21)			20
					8 (21) Wr.	21
					1805 (22) (22)	22
						23
						24
						25
						26
						27
		1835 (29)	1828 (28)			28
						29
cal 79 3321	HI? 1849 (32) 3472				1804 (30)	30
						31
3369	35 1830 (34) (3460)	HI? 6 Cor.			1806 (32 1/2)	32
			1825 (34) 3375			33
	Cor. 1837 (36) (3452)	HI?				34
	6 (37)					35
						36
						37
	1848 (40)	Barge				38
	1832 (40)					39
						40
4 1/2 352	R 1847 (43) 3354		1824 (42)			41
						42
	1845 (45)					43
						44
						45
	1848 (48)					46
						47
						48
						49
						50

FATHOMS	3 H2 1700				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1				1765 (1)	
2					
3			1772 (3)		
4					
5					
6					
7					
8					
9					
10				1765 (10)	
11					
12					
13					
14					
15					
16				1765, (16)	
17			1772 (17)		
18					
19			1779 (19)		
20			1770 (20)	1760 (20)	
21					
22					
23					
24					
25					
26					
27					
28			1777 (28 1/2) 3298 ⁴⁰		1750 (28)
29	1793 (29) 3379				
30					
31					
32					
33	1795 (33)				
34					
35		1780 (35)			
36	(36)				
37	1791 (37)				
38					
39					
40					1752 ⁴ (40) 3341 ³⁰
41					1752 ⁸ (42) 3343 ⁵
42			1774 ³² (43)	1763 (43) 3343 ⁵	
43			(44)		
44			(46)		
45					
46			1776 (47) 3340		
47					
48					
49					
50			1776 (51) 3340		1756 ² (51) 3341 ¹

49 - 40 39 - 30 29 - 20 19 - 10 1700 3H2
9 - 0

5, 57-40
1744 (7)
8 (8)

1736 (47)

1713 (8)

1700 (4 1/2)

1730 (11)

1706 (9) 3445

1733 (8) (14)

1720 (75) 3434
1720 (14) 3425

1712 (12 1/2)
1717 (13)

1740 (16) 3421

1722 (17)

1713 (18 1/2) 3415

1700 (19 1/2)

1720 (21 1/2)
1725 (22)

ex. 4, 133'
1711 (22)

1717 (24) 3325

1739 (27)

1730 (28)
(29)

1726 (28) 3375

1710 (27) R

1700 (26)

1717 (29) 3375 1700 (28)

1736 (31) 3368

1733 (33)

Con
50, 90
1747 (35)

1710 (34 1/2)

1734 (37)

3, R 5,
1710 (38) 3354

1730 (40)

6,
1701 (40)

50, 90 1/2
1747 (41)
40

1735 (46)

FATHOMS	3 H 2 1600				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2					
3					
4					
5					
6					
7					
8	⁴ 1690 (8) 3454		¹³ 1678 (8) 3455		
9			1679 (9 1/2)		1659 (9)
10					
11		1685 (11)		⁵ 1663 (11) 3443	
12				(12 1/2) (13)	
13				1664 (12 1/2)	
14				(14)	
15					
16			1673 (16)		
17					
18			DRILL STEM		
19			1671 (19 1/2)	1660 (19 1/2)	
20			(20)		
21					1653 (20 1/2)
22		⁷ 1686 (22)			
23					
24				1660 (24) 3390	1653 (42)
25					
26					
27				1668 (27)	
28					
29					
30			1670 (30)	1663 (30 1/2)	
31					
32					
33			1673 (33) 3365		
34					³³ 1650 (34) 33
35					
36		1680 (36)			
37					
38					
39					
40					
41			1670 (41)	1668 (41)	
42				(42)	
43					
44					1650 (44)
45					
46					
47					
48				¹ 1662 (48)	⁰ 1650 (48)
49					
50					⁵⁰

49 - 40

39 - 30

29 - 20

19 - 10

1600 3H2

9 - 0

1640 (4 1/2) 3377

1643 (7) 3485

1642 (8 1/2)

1635 (8)

1620 (9 1/2)

42 8 (13)
1637 (12 1/2)

1619 (12) 3430

1600 (13)

6
1635 (22)
(22 1/2)140'
1622 (22 1/2)

1646 (25)

R
1632 (25)

1623 (25)

37 26 (23)
1646 (27 1/2)

1640 (27-30)

38 (24-27)

1636 (28)

1628 (28)

1600 (27)

1649 (30)

1637 (29 1/2)

1620 (30)

6 29 Co.
1610 (31)7
1605 (30) R
(31)

1643 (32)

6
1635 (32) 3365

1648 (33 1/2)

1611 (37)

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FATHOMS	3 H 2 1500				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2					
3					
4			1572 (4) 3515		
5					
6					
7					1550 (7) 3492
8					⁶⁰ 1558 (9) 3468
9		1585 (9)	1570 (9)		1554 (10) 3430
10					
11				1562 (11) 3432	
12					
13					
14					
15					
16	1596 (16) 3416				
17					
18					
19					
20					²⁰ 1556 (20)
21			1576 (21) 3398		1556 (21)
22					
23			1574 (23 1/2)		
24					
25					
26	1594 (26)		1570 (26) 3378 ⁷		
27			1577 (27) ¹⁰		
28					
29					1550 (29) Co
30	1595 (30)				
31					
32			1573 (32)		
33					
34					1550 (34) ³³
35					
36		1580 (36)		1560 (36)	
37					1558 (37) ³⁸
38					
39					
40					
41					
42					1552 (42) ⁸
43				1564 (43)	
44					
45					
46					
47					
48					1550 (48) ⁴⁹
49					
50				1560 (50)	

9 - 0

1530 (2)

1525(9) Co.

1515 (11)

5 (14 3/4)
1520 (15)

2,	(21)
1542	(22)

1500 (20)

1538 (23) 3395

1520(24)3390
(25)

1514' (23 1/2)

Cor.

1541 26

1530 (25)

1538 26 Cor.

1543-27

1530597

1533 (22)

1541 (29) 3369

1520(29)

1531 (32)

1505(30)

4, (33)
1540 (34)

2,
1536' (36)
(37)

Co.
1519 (36)

1505 (34 1/2)

1510 (40)

1504 (39)

1509.40

544 (44)

1532(52)

1505 (49)

FATHOMS	3 H 2 1 4 0 0				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2					
3		1480 (3 1/2)			
4					
5					
6					
7					
8					
9	1493 (9 1/2)				1454 (9) 345
10		1487 (10)			
11					
12					
13					
14					
15					
16					
17					
18					
19					1450 (19)
20					
21					
22		1485 (22)		1465 (22)	1455 (22 1/2)
23					
24			Cor. 1472 (24) 3314' NO		
25					
26	1495 (26 3/4)				3 1450 (27)
27					1458 (27) 33
28					
29		3, 3 (29)			5, 3 1/2 Cor. 1452 (29) 33
30		1489 (30)			1458 (30)
31					63, 31 1/2
32					
33		1480 (33 1/2)			
34		15 (34)			
35					
36					
37					
38					
39					
40					
41					
42					1458 (42) 33
43					
44	1490 (44) 3348				
45			1472 (45 1/2)		
46					1454 (46)
47					
48					
49					
50	1491 (55)		1470 (51)		

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49 - 40 39 - 30 29 - 20 19 - 10 1400 3H2
9 - 0

1427 (28) 3520 1411 (4) 3525
1420 (5 1/2)

1401 (8) 3497

1435 (19)

1426 (20 1/2)

1440 (22)
1440

1430 (23 1/2)
4 (24 1/2)

Cor.
1423 (23)

1416 (21)

3387

1447 (27) 3387
4 (28 1/2)

3376

1439 (28) 3390
6 (29 1/2)

1425 (28) 3390
1422 (29) 3384

1410 (28)
5 (29 1/2)

1417 (30) 3383
3 (31)

1403 (29)

1438 (33)
5 (34)

1408 (31)

1412 (34)

1404 (33)

1410 (36)

1400 (35)

1443 (40)

355

1400 (40) 3370

1447 (45)

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FATHOMS

3 H 2 1300

9 9 - 9 0

8 9 - 8 0

7 9 - 7 0

6 9 - 6 0

5 9 - 5 0

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1374 (4)

1362 (4)
0 4 1/2

1379 (6 1/2)

1380 (7 1/2)

Billy (7) H.

1370 (8) 3495

1360 (9) 3493

1399 (11) 3439

1375 (11) 3456
9 9,

1370 (16)

1350 (21-23)

1370 (23 1/2)
(24)1396 (26) 3402
5, 7 3,
451356 (27) 3413
2 9 1/2

Charlie Bear

1397 (31)

1350 (32) 3311
4,1356 (34)
7,1354 (36) 330
5,1379 (38)
39 1/2

1385 (40)

1370 (40)

1370 (43)

1398 (48) 3362
7

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49 - 40

39 - 30

29 - 20

19 - 10

1300

3H2

9 - 0

FATHOMS

1338 (4)

³
1342 (6½) 3505⁵
1337 (8¼)

1328 (7½)

1300 (8)

1326 (11)

1300 (15)

1300 (17)

1314 (23)

^{27½}
1345 (28) 3405 ¹¹

1315 (27½)

1300 (27)

³
1320 (29) 3415 ²

1318 (30)

⁵
1302 (29) 3421
1307 (30) 3413

1329 (35)

1318 (35)

1325 (37½)

⁸
1349 (40) ³⁹

1339 (40) 3379

Chuck L.
1305 (39)

1339 (43)

¹
1345 (46) ¹⁹⁹
1336 (46)

1335 (50)

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FATHOMS	3 H 2 1200				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2				1260 (9')	
3				1265 (2 1/4) ^{2 mi.} E. PLAT.	
4					
5					
6					
7		1280 (7 1/2) ^{HO} 3392,			
8					
9					
10			1278 (10)	GULF MASTER	
11				1267 (11) 3425	
12					
13					
14					
15			1279 (15) 3458	^{70 3/4}	
16				1269 (16) 3453	^{0, ex.} 1259 (16) ^{18 1/2}
17		1280 (17) R		1269 (16) 3462	
18					
19			1278 (19)		⁵³ 1253 (19 1/2) 345
20				1260 (20) 3448	
21					
22	1290 (22)				
23					1250 (23)
24					
25					
26					
27					
28		1284 (28) 3441			
29					
30					
31					
32					
33		⁹⁰ 1289 (33)		1260 (33) Well	
34					
35				^{HO} 1268 (35) 3330	
36					
37					
38					
39					
40		1285 (40) ^{HO} 3318			
41					
42					
43					
44					
45	1290 (45)				
46					
47					
48					
49					
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49 - 40

39 - 30

29 - 20

19 - 10

1200 3H2

9 - 0

1235 (8) 3501

1229 (9 1/2 - 10 1/2) Nr.

Concrete

1239 (12 1/2)

1222 (12 1/2)

(13 1/2)

1225 (14 1/2)

1206 (12 1/2)

(13 1/2)

1200 (14 1/2)

1246 (17)

1217 (15) 3382

0.7 100' 6'

1203 (17) 3472

1224 (19) 3463

1247 (21)

1207 (19) 3371

1242 (22) 3359-HO

1212 (22) 3458

1200 (21) 3462

1235 (26) 3446

1220 (25)

1238 (155')

(165')

1240 (30-31)

1207 (29 1/2)

FATHOMS

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FATHOMS	3 H2 1100	99 - 90	89 - 80	79 - 70	69 - 60	59 - 50
1						
2						
3						
4						
5						
6						
7						
8						
9					1166 (58')	
10		1183 (10 1/2) 3394 ^{HO}				
11						
12			1172 (12)			
13						
14			1178 (14 3/4)			
15						
16						
17						
18	1197 (18) 3470					
19						
20						
21			1172 (21)			
22						
23						
24		1184 (24 1/2) 3361 ^{HO}	1175 (24 1/2) 3454 ^{HO}			1155 (24 1/2)
25			↑			
26					1164 (26) 3365 ^{HO}	4,
27			↓		1163 (27 3/4) 3475 ^{HO}	1152 (27) 345 ^{HO}
28	1191 (28)		1175 (28 1/2)		1162 (28 3/4) 3366 ^{HO}	
29			1170 (29 1/2)		ex 8.7 3462 ^{HO}	
30	1192 (30)		(31 1/2)		1163 (30) 3449-51	1152 (30) 344
31					1160 (31 1/2)	
32	1190 (32)					1156 (32)
33						
34						
35						1151 (35 1/2)
36					1167 (36 1/2)	
37						
38					1164 (38 1/2)	
39						
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41						
42						
43						
44						
45						
46						
47						
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49						
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49 - 40

39 - 30

29 - 20

19 - 10

1100 3H2

9 - 0

FATHOMS

1115 (6)

1100 (14)

1101 (15 3/4)

1106 (16)
3 (17)

WF (193)

1146 (20)

2 (21)

1120 (22)

22 1/2

4

1146 (24)

1140 (24)

1130 (25 1/2)

1120 (25)

8

1111 (24)

1116 (25 1/2)

1111 (26)

1117 (27) 3473

27 1/2

1108 (27)

1127 (27)

2 (27 1/2)

9

1122 (30)

31

1118 (29)

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1109 (30)

1136 (32)

5

1110 (37) 3460

40 (45)
1139 (47 1/2)

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FATHOMS	3 H 2 1000				
	9 9 - 9 0	8 9 - 8 0	7 9 - 7 0	6 9 - 6 0	5 9 - 5 0
1					
2					
3					
4					
5					
6		1084 (28')			1053 (6)
7					
8					
9					
10					
11					
12			1079 (12)		^{62 78'} 1058 (12 1/2)
13					
14					
15					
16					
17					
18	1092 (18 1/2)				
19					
20					
21	1098 (21)				
22				1063 (22 1/2)	
23					
24		1086 (24)			
25				1065 (25)	
26	⁶² 1093 (26 1/2)			1069 (26)	
27	^{37 1/2}		1073 (27)		
28					
29		1086 (29)			
30			⁵ 1072 (30)	1065 (30)	
31			(31 1/2)		
32					
33					
34					
35					
36					
37		1080 (37)	1072 (37) ^{HD} 3334	1064 (37)	1056 (37) ¹⁰ 3376
38				1069 (38)	
39	1091 (39)		1071 (39) 3464'		
40	1098 (39 1/2)				
41					
42		1080 (42) 3450	1070 (42)		
43			1073 (43 1/2)		
44	(43)				
45	1090 (45)			1064 (45)	
46					
47					
48					
49					
50	1099 (50 - 59) 3437				

49 - 40

39 - 30

29 - 20

19 - 10

1000 3H2

9 - 0

1019 (3½)

1019 (8½) 3522

1009 (8) 3525

1011 (11)

1028 (77) ^{HO} 3418

1043 (18)

1032 (17) ^(17½)

1039 (17)

1030 (20) 3490

1048 (27) ^{HO} 3375

1029 (26) 3391

HO
76

1046 (44)

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