"Hangs" and Bottom Obstructions of the Texas/Louisiana Gulf

Loran C

November 1980
TAMU-SG-81-501

Marine Advisory Bulletin — Fisheries
Sea Grant College Program • Texas Agricultural Extension Service • Texas A&M University

"HANGS" AND BOTTOM OBSTRUCTIONS OF THE TEXAS/LOUISIANA GULF

LORAN C

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TEXAS A&M UNIVERSITY

NOVEMBER 1980

TAMU-SG-81-501

$5.00

Partially supported through Institutional Grant NA79AA-D-00127 to Texas A&M University by the National Oceanic and Atmospheric Administration's Office of Sea Grant, Department of Commerce.

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 the Texas A&M University System through the Sea Grant College Program and the Texas Agricultural Extension Service. Conversion of Loran A coordinates to those of Loran C have been made possible by a special grant from the United States Coast Guard.

This book is not nearly complete; the accumulation, deletion and revision of information relative to bottom obstructions 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. Many readings have been omitted from the book due to conversion difficulties.

The original Loran A information was gathered by fishermen often under stress due to weather, strenuous work and anticipation of lost fishing gear. It is remarkable that the readings were as accurate and dependable as they were.

IMPORTANT!

UTILIZING THE CONVERSION FROM LORAN A TO LORAN C

With the transition from Loran A to Loran C, entirely new conditions confront Gulf fishermen. It is extremely important that these new circumstances be noted and understood so that this book can be effectively utilized. Listed below are several points which must be considered:

1. The bulk of this book consists of Loran A coordinates which were converted by computer into Loran C fixes. Some loss of accuracy from previous hang books is inevitable.

2. Omission of single Loran readings with a corresponding depth of water was necessary. Acceptable conversion of single readings and one depth could not be done. As a result, much of the bottom information from Aransas Pass to Brownsville and Isles Dernieres to the Southwest Pass is not presented in this book.

3. The conversion process used is directly related to the accuracy of the original Loran A coordinates. It is impossible to accurately obtain usable Loran C coordinates from an original Loran A reading which was incorrect.

4. When avoiding a hang which is reported from the conversion process, more berth than normal should be allowed.

Room for a reasonable margin of error must be taken into account. Every attempt was made in establishing a process by which accuracy achieved in the conversion process would be within 1300 feet. In most areas of the northwestern Gulf, this degree of accuracy or better was established. However, certain converted areas exist whereby more than a quarter mile accuracy was necessary as was the case directly off of Brownsville, waters adjacent to Galveston, and areas off the Southwest Pass of the Mississippi River.

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

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

Several other factors concerning accuracy should be noted. It is extremely difficult to know when a hang has been moved. Some readings may be mud hangs instead of obstructions, and it can be 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 were brought to my attention by observant fishermen and do not appear in this book. Most mud readings are intentionally included and are so designated.

A hang may have several different, but close, readings. Several fishermen may have reported the same obstruction with slightly different Loran A fixes. These fixes were averaged before conversion to Loran C.

In large areas of bad bottom, such as the Westerly 27s 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 does not give exact boundaries.

TECHNICAL INFORMATION

HOW TO USE THIS BOOK

Each set of two facing pages represents 100 microseconds of the "X" secondary of the 7980 Loran C chain. The book begins with the 23300 line of position off Brownsville and progresses up the Texas Coast and across Louisiana to the 28700 line of the Southwest Pass to the Mississippi

River. To complement the "X" secondary, the "W" secondary (11000 line) of the hang is logged.

Each page is divided into five columns. Each column represents 10 microseconds of the "X" secondary, which is designated at the outside corner of the page. Located vertically along the outer margins of each page are numbers representing the depth of water in fathoms.

It is anticipated that some fishermen will prefer to utilize the "Y" secondary (45000 line) in place of the "W" secondary. In future revisions, as readings are reported, the "W" secondary may be substituted for the "Y". The initial list of conversions utilize the "W" secondary because it is the stronger of the two signals. Some Loran C receivers have difficulty in locking onto the "Y" secondary.

A potential concern in the layout of the book relates to the areas south of Aransas Pass and off Brownsville. The "X" secondary, in which the book is laid out, does not run perpendicular to the coast. For this initial trial, all pages are laid out by the "X" line. If fishermen experience difficulty with the configuration of this line off South Texas, the book can be redesigned. Either the "W" or "Y" line can be used to catalog this area. Your personal consideration of this potential problem is appreciated and your comments are welcome.

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ACKNOWLEDGEMENTS

Special thanks to Jim Buckner, county extension marine agent for Chambers and Jefferson Counties, who assisted me with the coordinate conversion program.

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

Capt. Wes Albright
Capt. Charles Allan
Capt. Manuel E. Almendariz
Capt. Earl Authur
Capt. Ned Baron
Capt. Ted Bates
Capt. Tinsy Bell
Capt. Jerry Bentley
Capt. Jean Boykin
Capt. Tommy Boykin
Capt. Joe Brazeale
Capt. Donald Brummel
Capt. Loyd Buckite
Capt. Earl Buie
Capt. Lee Buie
Capt. Charles Burnell
Capt. Phillip Cantrell
Capt. F. G. Christ
Capt. Floyd Condit
Capt. E. L. Cooper
Capt. Nick Costello
Capt. Douglas Cox
Capt. Clarence Culp
Capt. George Dahlmer
Capt. Paul Daniels
Capt. Arnold Davila
Capt. Larry Daroven
Capt. Martin DeRick
Capt. Marvin Dickey
Capt. Bob Doyle
Capt. Hilliry Duval
Capt. Elmer Ebanks
Capt. Hollis Forrester
Capt. Jack Forrester
Capt. Michael Forrester
Capt. Lolo Flores
Capt. Robert Flores
Capt. David Hawes
Capt. Henderson
Capt. Larry Henson
Capt. Lindbergh Holden
Capt. Bob Holloman
Capt. Dennis Holly
Capt. John Holm
Capt. Bob Huss
Capt. David Jentry
Capt. Doc Jones
Capt. E. J. Jones, Jr.
Capt. Everett Jones

O. S. Miss Universe
O. S. Rebel Flag
O. S. Midway
O. S. Maecella
O. S. Galeb
O. S. Lady Muriel
O. S. Robin Lee
O. S. Dianne G.
O. S. Regina Gay
O. S. Mary Jane
O. S. Little Hornet
O. S. Lady Brenda
O. S. Blue Fox
O. S. Trixie
O. S. Kamron K.
O. S. Candy Man
O. S. Southern Bell
O. S. Shady Lady
O. S. Proud Rebel
O. S. Seminole
O. S. Helen G.
O. S. Mar Del Norte
O. S. Miss Yo Yo
O. S. Judy Lee
O. S. Golden Dawn
O. S. Capt. Ari D.
O. S. George C.
O. S. East Bank
O. S. Mashelyn
O. S. Blood and Guts
O. S. Roselle
O. S. Joseph
O. S. Marleen F.
O. S. Dorothy F.
O. S. Michael F.
O. S. Capt. Lolo
O. S. Mister Charlie
O. S. Honey O.
O. S. Arsco
O. S. Lady Corine
O. S. Three Sisters
O. S. Lisa Arleen
O. S. Dennis Holly
O. S. Sea Hawk
O. S. Pride of Freeport
O. S. Holy Cross
O. S. Dor-Jon I
O. S. Katherine H.
O. S. Valley Tide

Capt. Leroy Kiffe	O. S. Debbie Ellane
Capt. Robert Kirkconnell	O. S. Manana
Capt. Harry Long	O. S. Ray and Harry
Capt. Laddie Matusee	O. S. Miss Jamie
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. W. 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. Capt. Woody
Capt. Vonnie Odom	O. S. Angie Lamonte
Capt. Alan Pace	O. S. Mary M.
Capt. Joe Pack	O. S. Lady Cyleen
Capt. Bill Patterson	O. S. Robin Lee
Capt. Clifford Riggs	O. S. Captain Mary
Capt. Pete Rodriguez	O. S. Lillian R.
Capt. Gus Rumpf	O. S. Caravelle
Capt. Tom Rusoe	O. S. Raymond
Capt. Mide Smirtz	O. S. Spartan
Capt. George Sniedell	O. S. Coral Mist
Capt. Bill Stockton	O. S. Guss III
Capt. Tomas Torres	O. S. Cracker Box
Capt. Tucker	O. S. Mary M.
Capt. Red Turner	O. S. Sister Francis
Capt. Kinney Vandergrifft	O. S. Iris Ann
Capt. James Via	O. S. Capt. John
Capt. Ben Watson	O. S. San Padre
Capt. Terry Whitworth	O. S. Cutlass
Capt. Lewis Williams	O. S. La Soy Como Soy
Capt. Franklin Wiseman	O. S. Lil Franklin
Capt. Jerry Wylie	O. S. LaFourche
Capt. Pee Wee Young	O. S. Doctor Bill
Capt. George Zac	O. S. Tobacco Road

In memory of Cap' and Cap' Ma'am of the Gus III for the countless hours they spent with me in the development of this bottom obstructions information.

EDITOR'S NOTE: This publication is a complete revision of and replaces Bottom Fishing Obstructions: Texas/Louisiana Gulf (TAMU-SG-76-502), which was published originally in 1976 by the Sea Grant College Program, Texas A&M University and provided Loran A coordinates.

23300

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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READING THE CHARTS

ex - READING THOUGHT TO BE EXACT

 - BROKEN BOTTOM

H - HOLE

TH - TOE HEAD

Wr - WRECK

R - ROCK

Cor - CORAL

 - FATHOM

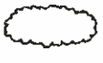
 - FEET

C - CAPPED WELL

App - APPROXIMATE

62.3
111059.8 - EXTENSION OF BAD BOTTOM 111059.8 THROUGH 111062.3

60.1
111059.8 - DIFFERENT READINGS OF THE SAME HANG (Confirmation)

 - ?

 - ACTUAL LORAN C READING TAKEN, NOT A CONVERSION

23300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
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					4
	23367.8 (5½) 11163.1				5
					6
				23396.6 (7) 11159.9	7
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23400

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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7					
8				23437.7 (52) 11118.5	
9					23446.8 (9) 11118.0
10				23431.2 (62) 11140.6	
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23400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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Part of 9 fath. Rock					8
← 23454.0 (9) 11115.7 →					9
	⊕ 23466.1 (60) 11119.6				10
					11
					12
23459.2 (13) 11129.4			⊕ 23481.3 (13) 11180.5	23496.6 (13) 11144.6	13
		⊕ 23477.7 (88) 11134.3			14
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23500

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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8					
9	23501.0 (9) 11105.7				
10					
11					23541.7 (48) 11108.2
12					
13					
14		23517.1 (14) wr. 11196.5			
15	23504.8 (94) 11132.9				
16				23534.8 (104) 11132.5	
17				T.H.	
18		23512.5 3-8's (110) 11145.3		23532.4 (18) 11146.4	
19	23501.1 (19) 11149.3		23520.2 (19) 11170.2	23528.7 (19) 11143.2R	
20			23527.4 (19) 11152.4		
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23500

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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				23590.1 (14) 11105.6	12
					13
				4 LEAF Clover	14
				23596.4 (15) 11109.9	15
					16
					17
					18
				23594.5 (20) 11124.4	19
		North Side EAST BANK		23606.4, Top 11201.1	20
		23572.2 (20) 11196.9	23580.0 (21) 11199.8	23596.3 (21) 11198.2	21
				23597.8 (22) 11157.7	22
				23599.2 (23) 11205.1	23
					24
				23593.3 (25) 11209.7	25
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23600

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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22	23607.3 (22) 11195.3			23633.0 (22) 11125.8	
23					
24					23644.1 (24) 11173.8
25					23649.8 (24) 11198.6
26					
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23600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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				Wr.-Valley Dawn 23690.1 (68) 11096.1	11
					12
					13
		23671.9 (85) 11108.4			14
					15
			23689.2 (96) 11105.2		16
					17
					18
					19
					20
					21
					22
					23
S. END					24
23654.9 (25) 11207.9				23691.2 (25) 11168.6	25
		Wr.		⊕ 23695.8 (152) 11169.4	26
		23678.9 (27½) 11163.3			27
23653.3 (28) 11146.8				23696.1 (28) 11167.6	28
			23686.6 (29) 11133.5		29
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23700

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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14	23700.0 (86) 11099.9				
15					
16					
17	23700.2 (102') 11104.5				
18					
19					
20					
21					
22					
23	23702.0 (140') 11117.7				
24	23700.4 (25) 11120.3				
25	23702.1 (25½) 11173.6				
26					
27	23710.7 (27) 11211.2				23746.2 (164') 11204.7
28					
29					
30					
31					
32					23746.2 (32) 11178.2 MISS GINGER
33			Small Adam		
34			23725.9 (34) 11134.3		
35					
36					Pair B.G Adam??
37				23738.6 (37) 11140.7	23743.6 (37) 11135.1
38					
39					Pair of 39 fath. Bank
40					23741.0 (40) 11154.0 →
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23700

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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			23785.8 (50) 11088.7		8
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				23798.4 (13) 11088.2	13
					14
					15
				23791.1 (98') 11099.8	16
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23755.8 (164') 11205.4					27
					28
					29
					30
		23771.1 (31½) 11206.9			31
					32
					33
					34
					35
					36
					37
					38
		23772.2 (39) 11169.2			39
		23761.8 (238') 11144.3			40
		Blackfish Ridge			41
					42
Part of (39) Bank					43
23754.5 (44½) 11151.7					44
					45
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23800

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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9				23832.9 (9) 11081.9	
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22		23815.6 (22) 11106.3			
23					
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32					
33				RANZELL'S ROCK	
34				33.3 .2	
35				23838.8 (35) 11132.4	
36					
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42					
43					
44					23847.9 (44) 11186.4
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23800

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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					6
23852.3 (7) 11080.6	23866.1 (4) 11083.2		23884.9 (7) 11077.5		7
		23871.4 (8) 11079.7			8
		23875.4 (56) 11081.8			9
					10
					11
					12
				23890.9 WG (80) 11085.6	13
					14
					15
23853.5 (100') 11084.9					16
	23864.5 (11) 11095.8				17
					18
					19
					20
			23885.8 (21) 11101.2		21
					22
	23864.0 (23½) 11105.1				23
					24
					25
					26
					27
					28
		23871.8 (29) 11110.9			29
		23879.7 11112.2			30
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					36
					37
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				Small	40
				23858.5 (41½) 111875	41
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23900

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
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4					23948.3 (4) 11073.9
5					
6					
7					
8				23932.4 (9) 11075.7	
9					
10					
11			⊕ 23921.1 (11) 11083.8		
12	23907.5 (14) 11081.7			23934.4 (12) 11081.6	
13					
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18					23946.1 (13) 11091.2
19					
20		23911.7 (20) 11093.9			
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24				23936.8 (44) 11099.1	
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23900

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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				23999.5 (8) 11078.9	8
					9
					10
		23979.7 (11) 11076.9		23998.9 (11) 11089.2	11
				23994.2 (12) 11081.5	12
23951.3 (78) 11084.8		23976.8 (136) 11082.4			13
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			23988.7 (107) 11090.9		18
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			23987.3 (24) 11100.0		24
					25
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		23979.6 (30) 11104.1			30
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24000

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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5					
6		24017.9 (38°) 11069.0			24040.8 (6) 11070.7
7					
8					
9					
10	24001.9 (10) 11078.9				
11					
12					
13					
14					
15		24015.6 (15½) 11085.4			
16		24019.4 (94°) 11083.7			
17					
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24					
25					
26			24022.9 (160°) 11097.6		
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33					
34		24013.7 (84°) 11103.7			
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24000

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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					19
					20
				24096.4 (21) 11090.2	21
					22
					23
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					28
					29
		BIG SOUTHERN			
		24079.6 (30) 11111.8 ↔ 24082.9 (30) 11110.2			30
		265° / 235°			31
					32
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					37
		24072.9 (38) 11105.2			38
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					49
				24093.1 (58) 11121.2	50

24100

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
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7					
8			LYON L. HUDSON 24120.9 (50) 11068.5		
9					24140.6 (9) 11070.1
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19					
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21					
22					
23					AIRPLANE 23145.8 (23) 11092.3
24					
25					
26					
27					
28					
29					24144.3 (29) 11095.0
30					
31					
32					
33					
34					
35				HOSPITAL 24135.4 (35) 11102.6	
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24100

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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		24175.9 (8) 11067.9			8
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24153.9 (31) 11102.8					31
		24172.2 (32) 11102.9			32
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					39
24156.8 (40) 11110.5	ARANSAS BANK 24165.5 (40) 11110.4				40
					41
					42
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					44
24151.4 (45) 11110.6					45
					46
			24186.7 (47) 11110.5		47
					48
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24200

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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19					
20			24229.7 (116) 11082.2 W.		
21					
22					
23					
24		24212.5 (24) 11087.4	24227.2 (24) 11087.3		
25					
26					
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39				24237.9 (39) 11102.2	
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24200

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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			24289.4 (10½) 11067.7		10
					11
					12
					13
					14
			24287.1 (15) 11075.7		15
					16
					17
					18
	24268.3 (19) 11082.0				19
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24300

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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11					
12					
13	24303.2 (13) 11078.1				24343.2 (13) 11071.9
14	24309.0 (80) 11072.9				
15					
16					
17					
18					
19					
20	24309.9 (20) 11080.7				
21					
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31					24347.6 (31) 11098.3
32					
33					
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42	24302.7 (31) 11102.6				
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24300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
				24395.4 (3¾) 11058.6	3
					4
					5
					6
					7
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					10
					11
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					13
		24371.6 (14) 11071.1			14
					15
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					24
					25
O.T eq on Bottom 24355.1 (160') 11088.2					26
					27
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R →	24362.2 (31) 11099.3				31
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24400

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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10					
11	24408.8 (11) 11066.6		24422.4 (11) 11067.4		
12			24422.4 (12) 11067.4	24431.8 (12¾) 11069.3	
13					
14					
15					
16					
17		24417.3 (17) 11080.0			
18					
19					
20					
21			24429.9 (21) 11082.0		
22					
23					
24					
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29					
30					
31					
32					
33				LITTLE DUNN BAR 24435.5 (33) 11096.9	
34				24439.3 (33) 11096.5	
35			BIG DUNN BAR 24421.5 (35) 11097.1		
36					
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24400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
		24476.4 (5) 11061.0			5
					6
					7
		24472.9 (8¼) 11061.0			8
					9
					10
					11
					12
				24493.1 (13) 11070.6	13
				24493.7 (14) 11074.3	14
					15
					16
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					22
					23
					24
24454.0 (25) 11086.6					25
					26
					27
					28
					29
					30
	BAD MUB 24465.4 (31½) 110940				31
					32
		24473.7 (33) 11098.6			33
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24500

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
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6		24515.0 (6) 11055.3			
7					
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11					
12			24521.2 (12) 11065.2	24530.2 (12) 11065.2	
13	24506.5 (13) 11070.5				
14					
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29					24541.8 (29) 11094.1
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24500

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
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					10
				24593.4 (11) 11054.1	11
					12
					13
		24571.8 (14) 11077.4			14
					15
					16
					17
		24574.8 (18) 11078.1			18
24569.1 (19½) 11081.7					19
					20
					21
					22
			24587.9 (23) 11089.1		23
					24
					25
					26
			24584.0 (27) 11092.3		27
					28
			24583.5 (29) 11096.3		29
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24600

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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7		24611.8 (1) 11053.3			
8		24615.6 (8) 11056.9			
9					
10					
11			24621.1 (11½) 11058.8		
12					
13				24634.7 (80') 11068.4	
14					
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21					
22					
23					
24				24632.6 (24) 11089.3	
25	24602.8 (25) 11091.7				
26	24605.6 (26) 11094.0		24623.6 (26) 11092.8		24643.5 (26) 11094.2
27					
28					
29					
30					
31					
32				24631.3 (32) 11101.1	
33					
34					
35					
36					
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47					24646.7 (47) 11119.6
48				24631.5 (48) 11120.0	
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24600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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					9
			24687.8 (10) 11060.1		10
					11
	24666.7 (12) 11068.3				12
					13
					14
				24692.9 (15) 11072.3	15
					16
		24674.1 (17) 11079.0	24687.3 (17) 11079.5		17
					18
	24660.6 (19) 11082.1				19
					20
	24662.4 (21) 11083.8		24686.4 (21) 11084.9		21
	24669.6 (21) 11084.4				22
					23
					24
	24662.8 (25) 11090.2C			24690.8 (25) 11092.1	25
					26
			24683.7 (27) 11095.5		27
					28
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24658.5 (33) 11101.9					33
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				24691.5 (50) 11120.5	50

24700

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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12					
13				24739.9 (13) 11069.8	
14		24713.9 (14) 11074.5		24739.3 (14) 11073.2	
15					
16					
17					
18		24718.6 (18) 11086.8		24730.4 (18½) 11082.3	
19					
20					
21					
22					
23					24742.3 (23) 11091.0
24	24702.1 (24) 11090.6				
25					
26					
27					
28					
29				24730.9 (29) 11102.5	
30					
31					
32		24716.9 (32) 11106.4			
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24700

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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					12
		24775.0 (13) 11070.4		⊕ 24796.4 (13) 11069.0	13
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					21
					22
		24772.3 (23) 11092.1			23
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			24789.5 (29) 11100.7		29
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24800

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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13					
14					24845.4 (14) 11072.2
15					
16					
17				24830.7 (17) 11080.3	
18				24839.0 (112) 11082.4	
19					
20				24830.7 (116) 11080.3	
21	24803.3 (21) 11085.8		24828.0 (21) 11087.0		
22					
23					
24				24831.2 (24) 11095.3	
25					
26					
27					
28	CHEROKEE 24804.5 (28) 11099.7				
29					
30					
31					
32					
33					
34				PLANE 24838.6 (34) 11111.5	
35	24805.8 (35) 11111.1				
36					
37	24809.5 (37) 11113.9				
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24800

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
	24863.7 (4) 11051.3				4
		24875.4 (5½) 11049.1			5
					6
					7
					8
			24881.1 (9½) 11058.1		9
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					23
		24871.5 (24) 11095.2			24
	24865.0 (25) 11097.5				25
					26
			24887.1 (27½) 11099.8		27
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24900

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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5					
6			24928.6 (6) 11053.8		
7	24908.9 (1) 11055.6				
8					
9					
10					
11					
12					
13					
14					
15			24922.0 (15) 11074.5		
16					
17					
18			24925.7 (18) 11082.0		
19	24907.5 (19) 11084.7				
20					
21				24939.5 (21) 11087.4	
22					
23					
24					
25	24902.8 (25) 11094.6	<- SLAB? ->	24928.8 (25) 11094.0		
26					
27		24916.8 (27) 11100.0			
28					
29					
30		24918.8 (30) 11106.2			
31		24918.9 (30) 11112.6			
32		↓ ↓	30 FATHOM ROCK		
33		24938.1 (33) 11108.1		24938.1 (33) 11108.1	
34					
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24900

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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		24974.5 (8) 11056.7			8
24956.6 (9) 11057.8					9
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					11
					12
					13
		24972.9 (14) 11067.2			14
					15
					16
				24998.6 C? (17) 11080.6	17
	24965.9 (18) 11081.3		24985.1 (18) Wr. 11083.4		18
					19
					20
	24966.2 (21) 11086.0			24998.2 (21) 11087.6	21
					22
					23
				24993.4 (24) 11095.4	24
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25000

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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16			25021.8 (16) 11078.6		25041.0 (16) 11078.6
17					25049.3 (17) 11079.8 HOLE
18					
19					
20					25041.7 (20) 11087.6 CORAL HOLE
21			25029.0 (21) 11088.4	25039.6 (21) 11090.7	25045.3 (21) 11089.7
22	25001.7 (22½) 11092.3				
23		25019.3 (23) 11094.7			
24				W. 24's 25033.9 (24) 11096.0	
25				25037.3 (24) 11094.8	
26		25018.0 (26) 11101.6		25034.5 (26) 11098.3	
27					25049.2 (27) 11104.4
28					
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32					
33				25030.5 (33) 11111.7	
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25000

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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				25095.0 (7) 11049.1	6
				25099.8 (7) 11053.1	7
				25092.4 (8) 11054.6	8
					9
					10
					11
					12
					13
		25071.7 (14) 11071.3			14
					15
25053.3 (16½) 11077.8					16
	25062.1 (17) 11078.2				17
					18
			25085.5 (19) 11084.9	25099.9 (19) 11085.9	19
					20
		25078.9 (21) 11089.4			21
					22
					23
					24
25059.9 (25) 11098.7			SNARE PIT 25089.7 (25) 11102.6		25
					26
			25085.0 (27) 11103.2	W. 27's →	27
					28
					29
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					33
				CABLE 25092.8 (34) 11117.7	34
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25100

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7					
8	25106.8 (8) 11053.0	25116.8 (8) 11055.4			
9					
10	25100.5 (10) 11057.6				
11					
12					
13		25110.7 (13) 11066.2			
14					
15					
16					
17					
18	25102.9 (18 3/4) 11087.2	25112.8 (18) 11091.8			
19	25106.5 (18) 11080.2			LADY ANN? 25133.5 (19) 11092.3	25146.1 (19) 11088.7
20					
21					
22					
23					
24					
25		HOLE 25103.8 (27) 11103.3			
26		25115.73 (27) 11105.67			
27	W. 27's →	25116.1 (27) 11106.2			
28				HOLE 25136.6 (28) 11109.0	
29					
30		~~E 30f Rock~~ 25111.8 (30) 11112.1			
31					
32	25100.2 (32) 11113.4	25113.2 (32) 11114.3			
33					
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25100

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
			25187.8 (14) 11046.5		2
					3
					4
					5
					6
					7
		25170.2 (8) 11053.8		25195.1 (8) 11053.6 WEST BANK	8
					9
					10
					11
		25175.3 (12) 11064.2 Wr.			12
					13
					14
		25175.8 (15) 11071.4			15
					16
			25184.1 (17) 11090.7		17
	25165.2 (18) 11088.9	W. GERMAN CHARLIE 78.16 92.15			18
	25164.6 (19) 11086.0 INSIDE CHARLIE HOLE	25176.7 (19) 11090.6		25192.6 (19) 11087.0	19
	25169.2 (18½) 11090.4	25171.0 (19) 11086.1		25196.2 (19) 11081.8	20
					21
					22
			25187.1 (23) 11097.6		23
					24
					25
					26
	25164.8 (27) 11104.1				27
					28
					29
					30
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					48
					49
				25198.4 (51) 11136.7	50

25200

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3			25224.1 (3) 11047.1		
4			25221.9 (4) 11047.1		
5	25203.6 (5) 11047.8				
6			M. BANK 25225.1 (6½) 11052.5		
7	WEST BANK 25204.9 (7) 11053.5				
8					
9					
10			Portion Middle Bank 25229.3 (10) 11055.0		
11					
12					
13					
14					
15					
16					
17				25239.9 (17½) 11078.1	18's →
18	25201.7 (19) 11090.1				
19	25203.6 (19) 11091.6	25218.2 (19) 11085.5		25236.8 (19) 11085.6	DIXON'S HOLE 25248.7 (20) 11089.5
20	25204.3 (20) 11092.8				25249.9 (20½) 11097.8
21					
22		14.1 "22½'s" 99.2 25212.7 (22½) 11096.7			
23		25212.3 (22½) 11095.9			
24					
25					
26					Middle 25's 25247.6 (26) 11103.3
27				25232.4 (27) 11104.9	
28	GULFWIND 25200.3 (28) 11046.4				
29					
30					DOG'S HOLE 25249.3 (30) 11123.7
31					
32	CORAL 25208.4 (32) 11121.1				
33					
34					
35					
36					
37					
38			252239 (38) 11124.8		
39					
40					
41					
42					
43					
44					
45					25243.3 (45) 11132.4
46					
47					
48	LITTLE Campeche 25209.2 (48) 11132.8	25215.1 (48) 11132.4			
49					
50					

25200

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
E. BANK SS.IN SS.I 25255.1 (9) 11054.0					8
					9
			25284.0 (10) 11053.7		10
			25284.7 (10) 11046.0		11
					12
					13
					14
					15
	25264.8 (16) 11074.8			25295.5 (16) 11086.1	16
18's →	25260.2 (17½) 11078.5				17
25259.1 (18) 11077.4					18
25252.7 (19) 11086.9		25270.6 (19) 11086.9		25297.3 (19) 11083.5	19
25255.7 (19) 11084.5	25266.6 (20) 11089.6	25270.2 (20) 11092.4 HOLE		25297.6 (21) 11089.5	20
		25272.9 (21) 11095.8		25299.3 (21) 11092.0	21
	25266.4 (22½) 11098.4				22
					23
					24
					25
		MUD 25271.1 (26) 11105.5		2'	26
	MUD 25265.4 (27) 11107.5		25282.0 (27) 11114.6	25292.1 (27) 11119.9	27
		25275.5 (28) 11112.2	25286.2 (28) 11111.8	SALVADOR RIDGE 25292.4 (28) 11122.4	28
					29
			SALVADOR RIDGE 25282.2 (30) 11124.4		30
					31
			25290.0 (32) 11129.2		32
					33
					34
25256.3 (35) 11125.8					35
					36
					37
					38
					39
					40
			25287.4 (41) 11133.7		41
					42
					43
					44
					45
					46
					47
					48
					49
					50

25300

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1				25338.7 (1) 11044.4	25342.3 (1) 11043.9
2					
3					
4					25348.3 (4) 11043.7
5			25321.0 (5) 11045.5		
6					
7					
8					
9					
10	25307.1 (10) 11055.0				
11				25355.0 (11) 11061.0	
12					
13					
14					
15			25321.4 (15) 11070.4		25345.9 (15) 11070.3
16					
17					25345.5 (17) 11080.1
18					
19		25318.9 (19) 11082.3		25345.1 (19) 11089.3	
20	25305.6 (21) 11092.0				
21	25307.6 (21) 11094.1		25320.2 (21) 11096.3	25331.7 (21) 11115.0	25347.7 (21) 11094.7
22	25308.2 (22) TH 11097.6	25318.2 (22) 11100.8	25320.9 (21) 11093.5	25334.0 (21) 11096.8	25349.4 (22) 11100.8
23					
24					
25					
26	E 24's 25309.5 (26) 11107.9		E 24's 25321.9 (26) 11111.9	25334.7 (26) 11112.8	
27		25312.0 (27) 11118.8		Middle 24s 25334.8 (27) 11117.0	
28		25313.4 (27) 11115.5		25331.7 (28) 11115.0	
29					H/R 25343.7 (29) 11124.5
30					
31					
32					
33					
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47					
48					
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25300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
	25361.3 (8) 11047.9				8
	25360.2 (9) 11052.1				9
25354.0 (10½) 11049.0	63.8 25367.3 (10) S.E. LUMP 11054.2 53.5			25397.6 (10½) WR. 11056.9	10
	25362.6 (11) 11059.9				11
					12
					13
					14
				25391.6 (15) 11073.3	15
					16
					17
25358.0 (18) 11082.4				25397.1 (18) 11085.4	18
					19
					20
25351.1 (21) 11093.3		25372.1 (21) 11098.1	25382.3 (21) 11100.0	EASTERLY 21'S 25392.7 (21) 11095.3	21
25356.0 (22) 11101.7	25369.7 (22) 11105.7	EASTERLY 21'S 25392.4 (21) 11096.6	25387.3 (21) 11099.7		22
			EASTERLY 21'S 25388.2 (21) 11097.0		23
	25364.1 (24) 11104.5				24
					25
25355.7 (26) 11109.0					26
					27
					28
	HOLE 25365.1 (30) 11128.3				29
	25366.9 (30) 11129.9				30
					31
					32
					33
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					48
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25400

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7			25429.1 (7) 11045.2		
8					
9					
10		25413.1 (10) 11051.5			
11					
12				25438.8 (12) 11060.6	
13					
14					
15		25415.5 (15) 11072.0			
16	25403.6 (16) 11077.2			25430.2 (16) 11080.9	
17		25419.4 (17) 11083.2			
18	25406.8 (18) 11086.0				
19					25449.5 (19) 11093.9
20	25407.2 (20) 11092.5				
21	25401.7 (21) 11096.8				
22	25403.5 (21) 11096.2				
23					
24					25446.0 (24) 11117.2
25			25428.3 E-29's (26) 11125.5		
26			25426.2 E-29's (26) 11125.7		
27		25413.7 (27) 11120.7	25424.5 (27) 11124.2		25446.6 (29) 11125.5
28				25431.9 (28) R 11123.5	
29					
30			25421.9 (30) 11127.4	25433.6 (30) 11130.6	
31	25406.4 (31) 11127.1	25417.6 (31) 11129.1			25441.8 (31) ? 11135.0
32		25411.3 (32) 11135.1			
33					
34					
35					
36					
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46					
47					
48					
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25400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
		25475.0 (4) 11040.4			4
	25466.6 (5) 11042.4				5
					6
			25486.5 (7½) 11046.1		7
					8
					9
					10
					11
					12
					13
					14
					15
V.A. FOGG 25455.9 (16½) 11082.3					16
					17
					18
					19
					20
					21
					22
					23
25460.0 (24) 11113.6			25486.8 (24) 11118.8	97.8% HOLE 25490.0 (24) 11116.5	24
25459.9 (25) 11108.4					25
		25476.0 (26) Wr. 11122.5			26
	25464.8 (27) 11120.2				27
					28
	25462.8 (29) 11129.7	25472.7 (29) 11128.9			29
		25479.7 (30) 11131.1	25488.5 (31) 11132.6		30
		25479.3 (31) 11134.8	← SLAB →	25496.8 (32) 11135.2	31
25453.0 (32) 11139.5			25488.0 (32) 11138.3		32
25454.8 (32) 11136.8					33
					34
					35
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					47
					48
					49
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25500

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7					
8					
9		25517.0 (9) 11047.8			
10					25540.5 (40½) 11062.0
11	25507.0 (11) 11063.9 wr.				
12					25550.0 (12) 11071.1
13					
14					
15					25542.7 (15) 11080.6
16					
17					
18				25536.0 (18) 11093.4	
19					
20					25548.7 (20) 11098.7
21	25500.6 (21) 11100.9				
22					25542.1 (22) 11112.7
23				25532.1 (23) 11110.6	25548.6 (23) 11110.5 wr.
24					
25				25536.2 (25) 11119.0	
26					
27					
28	25501.6 (28) 11127.4				
29					
30				25538.8 (30) 11136.0	
31					25544.4 (31) 11140.7 HOLE
32					25545.0 (32) 11143.4
33					
34					
35					
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47					
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25500

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
25557.5 (7) 11041.8					7
					8
					9
					10
				25591.6 (11) 11060.6	11
					12
					13
	25561.8 (14) 11076.8				14
	25563.3 (15) 11080.9				15
					16
					17
				25598.4 (18) 11094.3	18
					19
					20
					21
			25587.3 (22) 11112.2	25594.4 (22) 11102.0	22
				25598.1 (23) 11113.7	23
					24
		25574.4 (25) 11122.4			25
DOC'S HOLE 25554.7 (26) 11124.5					26
					27
					28
					29
25563.9 (30) 11137.5					30
25553.6 (31) WR 11138.5					31
25557.0 (32) 11144.4	25564.2 (32) 11143.3				32
					33
					34
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					48
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25600

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7					
8				25639.5 (8) 11042.1	25649.6 (9) 11055.1
9	25600.9 (9) 11058.4				25647.1 (9) 11047.6
10					25648.2 (10) 11048.7
11					
12					
13					
14					
15	25605.1 (15) 11082.1				
16	25602.8 (16) 11085.7		25623.4 (16) 11084.2		
17					25640.7 (18) 11109.6
18			25623.9 (18) 11096.2	25632.6 (18) 11093.3	25647.6 (18½) 11099.3
19			25625.6 (18) 11094.8		25649.0 (19) 11100.6
20					
21			25623.8 (21) 11106.8		
22					
23					
24	25603.1 (24) hole 11122.4				
25					
26					
27				25634.8 (27) 11131.2	25647.7 (27) 11136.0
28					
29					
30			25629.1 (30) 11146.1		
31					
32				25637.5 (32) 11144.3	
33					25643.5 (33) 11149.5
34					
35					
36					
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45					
46					
47					
48					
49					
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25600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
				25692.7 (4½) 11035.2	4
					5
			25687.1 (6) 11036.7	25693.5 (6) 11037.5	6
					7
				25694.5 (8) 11056.1	8
	25669.8 (9) 11052.4		25682.6 (9) 11051.0		9
					10
					11
					12
					13
					14
					15
					16
	25665.5 (17½) 11096.0				17
					18
					19
					20
					21
				25692.0 (22) 11117.8	22
256504 (23) 11116.3					23
			25687.9 (24) 11121.3		24
					25
					26
					27
				25698.2 (28) 11137.9	28
					29
					30
					31
256564 (32) 11157.2	25669.8 (32) 11149.5			25693.6 (32) 11153.9	32
					33
					34
					35
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					48
					49
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25700

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4	25707.8 (4) 11035.2				
5					
6					
7	25707.4 (7½) 11039.2				
8	25702.9 (9) 11051.3		25720.3 (9) 11043.0		
9	25703.1 (9) 11057.9		25727.6 (9) 11048.2	25735.4 (9) 11042.4	
10					
11					
12					
13					
14					
15			25726.1 (15) 11092.2		
16		25715.9 (16) 11093.2			
17				25739.0 (17½) 11096.9	
18				25747.1 (19) 11098.4	25744.7 (18½) 11101.7
19	25704.9 (19) 11104.2			25734.3 (19) 11101.8	
20			25723.4 (20) 11103.9	25735.3 (19) 11103.8	25740.5 (20) 11106.1
21					
22		25711.5 (15.7) (22) 11116.1 (15.4)	25721.3 (22) 11116.1		
23			25723.7 (23) 11121.2		
24					
25					
26					
27				25737.4 (27) 11133.1	
28					
29					
30			25724.1 (30) 11148.8		
31				25736.4 (31) 11149.3	
32					
33	25705.7 (33) 11160.3				
34	25709.5 (34) 11159.5				
35					
36					
37					
38					
39			25728.0 (39) 11171.5	25737.6 (39) 11173.2	
40					
41					
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43					
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47					
48					
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25700

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
25756.9 (4) 11033.3					4
		25774.5 (5) 11037.6			5
			25785.8 (6) 11035.2		6
					7
	25760.3 (8) 11039.0		25787.1 (8) 11067.0		8
25753.3 (62') 11047.6					9
25757.6 (9) 11042.8	25764.8 (10) 11065.5				10
					11
					12
	25766.6 (13) 11075.6	25773.9 (13) 11074.9		25799.9 (13) 11090.5 (802.6 CORAL PATCH 89.6)	13
	25769.6 (14) 11096.0				14
					15
					16
					17
25757.8 (18) 11100.0				25790.1 (18) 11100.7	18
					19
		25774.0 (20) 11108.3			20
					21
					22
			25788.9 (23) 11119.6		23
				25797.2 (24) R 11128.2	24
					25
CLAY PILE	25767.8 (28) 11136.1	25776.5 (26) 11132.9			26
25758.7 (27) 11132.8 (68.9 F, 39.2 F)	25769.0 (28) 11140.2				27
25756.9 (29) 11140.7	25761.2 (28) C 11138.1	2	25780.8 (28) 11142.5		28
	25767.6 (29) 11142.2				29
			25788.2 (30) 11147.8		30
					31
					32
	25762.8 (33) 11153.9				33
					34
					35
			25783.7 (36) R 11165.0	25796.5 (36) 11161.2	36
			25786.8 (37) 11171.1		37
					38
				25794.0 (39) 11177.3	39
					40
					41
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25800

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5	25802.3 (5) 11033.7				
6	25801.7 (6) 11036.7			25830.1 (6) 11035.2	
7					25849.7 (7) 11036.9
8				25839.6 (8) 11036.0	
9		25814.6 (9) 11045.6		HIGH SAND RIDGE 25840.0 (9) 11063.0	
10					
11					
12				25830.6 (12) 11071.7	
13					
14		25817.1 (14) 11086.3		Pinnacle Hole 25831.0 (14) 11084.7	
15		25814.8 (15) 11084.5		25832.9 (15) 11091.7	
16					
17					
18					25843.5 (18) 11103.9
19					
20					
21					
22					
23					25847.3 (23) 11128.2
24		25813.3 (24) 11126.9			
25					
26					
27					
28					
29	25805.9 (29) 11146.2		25823.0 (30) 11145.9		
30			25823.0 (30) 11145.9		
31		25812.6 (31) 11148.3			
32		25814.2 (31) 11148.6			
33		25815.3 (33) 11157.1			
34					
35		25916.1 (35) 11156.7			
36					
37	25807.5 (37) 11173.1				
38					
39				25833.9 (39) 11182.7	
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

25800

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
		25877.7 (5½) 11031.5			4
25853.1 (5½) 11038.4	25862.5 (5) 11031.6	25875.3 (5½) 11032.1		25894.1 (5½) 11031.0	5
		25871.0 (6) 11035.6			6
					7
	25863.4 (8) 11036.1		25882.8 (8) 11049.2		8
25858.5 (9) 11057.1	25864.1 (9) 11054.6		25866.4 (9) 11064.4		9
					10
					11
					12
					13
					14
					15
					16
					17
					18
				25895.5 (19) 11115.5	19
					20
					21
			25888.7 (22) 11120.5		22
					23
25857.9 (24) 11129.7					24
					25
	25862.9 (26) 11135.7	25877.0 (26) 11135.0			26
			25888.3 (28) 11143.8	25892.8 (27) 11141.6	27
			25888.4 (28) 11144.1		28
					29
					30
		25870.6 (31) 11149.8			31
		25872.9 (31) 11150.7		25897.7 (32½) 11156.4	32
		25878.1 (33) 11158.44			33
		25876.5 (34) 11159.6			34
		25871.7 (34) 11160.45 (86.1 / 58.0)		BAD MUD 25895.3 (35) 11165.6	35
				25898.6 (36) 11169.9	36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
	25863.0 (48) MUD 11197.3				48
					49
					50

25900

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3	25908.0 (3) 11026.0				
4					
5					
6	25906.9 (6½) 11034.7	25910.8 (6) 11032.7			
7			25926.6 (8) 11049.5		
8			25927.3 (8) 11051.6		
9					
10				25930.8 (10) 11068.9	
11					
12				25932.3 (12) 11079.9	
13					
14					
15					
16					
17					
18					
19					
20					
21					25940.5 (21) 11126.3
22					
23		25912.5 (23) 11129.7			
24	25900.6 (24) 11131.0	25914.6 (23) 11129.9			
25					
26					
27			25929.8 (27) 11143.2		
28		25918.6 (28) 11143.2 R			
29		25910.5 (29) 11145.4			
30			25926.4 (30½) 11154.2		25941.2 (30) 11150.9
31					
32		25919.0 (32) 11156.8			
33		25914.3 (33) 11161.6	25928.7 (33) 11166.3		25945.7 (33) 11166.1 69.85 +.15
34	25900.6 (35) 11182.6				25947.6 (35) 11169.6
35	25905.8 (35) 11167.3 BAD MUD				25946.6 (35) 11169.4 Cor.
36			25926.9 (36) 11170.6 Cor.		25940.0 (36) 11171.0
37					
38					
39	25900.6 (39) 11182.6				
40					
41					
42		25915.7 (42) 11196.9			
43					
44					
45					
46					
47					
48					
49					
50	25902.4 (50) 11201.4				

25900

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
		25977.9 (7) 11033.6			6
25951.0 (7¾) 11036.6		25979.2 (7½) 11036.2	25986.6 (7½) 11033.5		7
25958.6 (8) 11049.7		25975.6 (7½) 11037.3		25990.3 (8) 11046.3	8
25959.1 (8) 11049.6					9
					10
				25996.2 (11) 11081.7	11
	25962.7 (12) 11081.2		25982.6 (12½) 11087.0		12
					13
					14
					15
		25979.7 (16) 11114.8		25993.0 (16) 11114.1	16
			26985.1 (17) 11116.6		17
				25971.0 (18½) 11125.4	18
					19
	25966.4 (21) 11128.0	25971.0 (20) 11125.4		25999.2 (20) 11121.9	20
	25967.4 (21) 11127.9	25975.2 (22) 11131.6			21
		25978.3 (22) hole 11131.7		25988.6 R (22) 11132.5	22
				25993.9 90.9 (22) 11133.4 61.5	23
		25979.1 (25) 111141.2			24
25955.4 (25) 11137.2		25979.1 (25½) 11141.2			25
	25961.8 (26) 11145.9				26
					27
				25999.9 (28) 11153.1	28
					29
					30
25954.6 (31) 11154.1			25985.5 (31) 11158.4		31
			25980.2 73.5B (32) 11163.8 61.2B		32
			25981.4 (33) 11166.4		33
				25991.3 (34) 11171.4	34
25958.3 (35) SMALL 11171.9					35
					36
					37
					38
					39
					40
					41
					42
25955.2 940.3B (43) 11202.4 196.5B					43
					44
					45
					46
					47
					48
					49
		259765 (52) 11212.6			50

FATHOMS	26000				
	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7					
8	26005.3 (8) 11041.9	26019.3 (8) 11038.5	26021.6 (8) 11039.8		
9					
10					
11		26014.3 (11) 11074.2	26028.0 (11) 11073.3		
12					
13				26035.9 (13) 11089.8	26041.2 (13) 11090.2
14			26024.5 (14) H 11089.4	26033.2 (14) 11101.3	
15	26001.2 (15) 11109.8				
16					
17					
18					
19		26020.8 (19) 11129.4			26044.2 (19) 11128.6
20					26044.5 (19) 11131.0
21					26041.9 (21) 11140.2
22					
23					
24		26019.3 (24) 11154.1			
25		26013.7 (25) 11146.7			
26					
27		26010.7 (28) 11156.2		26032.5 (27) 11149.8	
28		26018.5 (28) 11155.0		26034.1 (28) 11157.1	26048.3 (28) 11155.0
29					
30			26028.7 (30) 11160.3		26040.1 (30) 11161.5
31				26035.6 (31) 11163.9 (30.9 / 61.4 R)	26048.9 (30) 11160.4
32		26016.2 (32) 11166.8	26024.5 (32) 11170.0		
33				26038.2 (33) R 11173.2	
34	26004.3 (34) 11177.6			26034.7 (34) 11171.3	
35		26015.3 (35) 11191.6			
36			26021.1 (36) 11187.6		26047.2 (36) 11198.6
37	26000.9 (37) 11188.5				26048.9 (37) 11204.1
38	26007.6 (37) 11187.7				
39	26007.6 (39) 11205.2				
40					
41					
42					
43					
44	26004.2 (44) 11203.8				
45					
46					
47					26042.4 (47) 11212.0
48					
49	26007.8 (55) 11217.6				
50	26000.9 (50) 11214.7 JEANS HOLE			26035.0 (50) 11219.4	

26000

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
			26089.3 (5) 11028.9	26095.3 (32) 11021.8	5
					6
		26074.6 (7) 11034.9	26088.6 (1) 11034.8		7
		26071.5 (8) 11050.7		26093.1 (8) 11054.7	8
		26075.4 (9) 11062.7			9
		26072.4 (10) 11061.4			10
	26062.7 (11) 11074.2				11
					12
		26075.6 (13) 11095.7	26084.4 (13) 11095.8		13
		26078.6 (14) 11115.3			14
				26099.8 (15) 11122.0	15
		26070.1 (16) 11123.1			16
					17
26055.2 (18) R 11126.4	26063.3 (18) 11126.0	26077.5 (18) 11133.0	26082.9 (19) 11126.8		18
		26080.0 (19) 11128.3	26087.9 (19) SLAG 11130.2		19
		26070.6 (20) 11134.4		26091.6 (20) soft 11138.9	20
	26062.5 (21) 11141.7	26077.5 (21) 11140.2		26093.5 (21) 11144.7	21
					22
26052.8 48.6 (23) 11144.3 43.8			26081.8 (23) 11147.5		23
					24
					25
				26096.6 (26) 11156.3	26
26055.1 (28) 11160.9	26064.7 (27) 11153.6	26079.3 (27) 11156.1	26081.0 (27) 11154.3		27
26059.5 (28) 11162.5					28
					29
26055.9 (30) 11164.8					30
					31
					32
26055.5 (33) 11174.5					33
					34
					35
26057.6 (36) 11189.8					36
					37
					38
	26067.8 (39) 11204.5				39
					40
					41
					42
					43
					44
		26079.7 (45) 11214.4			45
	26068.6 (46) 11216.6				46
	26062.5 (47) 11218.9	26071.9 (47) 11220.7			47
	26061.3 (47) 11218.3			26094.7 (48) 11221.2	48
					49
			26089.0 (50) 11224.9		50

26100

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1	¼ mile from beach 26106.6 11025.3				
2	½ mile from beach 26101.9 11025.8				
3	26103.5 (14) 11024.1			26132.8 (3) 11026.7	
4			26122.2 (4) 11026.3		26141.1 (4) 11025.7
5			26126.3 (4) 11025.0		
6	26100.0 (6½) 11033.4				
7					
8					
9					
10					
11					
12					
13	26103.7 (13) 11091.7				
14					26141.0 (15) 11123.9
15					26141.3 (15) 11127.1
16		26112.6 (16) 11126.9			
17					
18			26125.8 (18) 11135.2		26142.0 (18) 11134.0
19	26101.0 (19) 11132.9				26144.3 (19) 11136.8
20	26107.7 (19) 11129.5	26112.5 (20) 11142.3			26146.5 (19) 11138.1
21					26145.7 (20) 11139.3
22					26148.3 (21) 11148.6
23					
24					
25					
26					
27	26106.3 (165) 11163.3				
28		20.6 Coral 64.2 26119.3 (28) 11167.9			
29					
30	26102.7 (30) 11169.8	26118.2 (30) 11172.0			
31		26110.3 (31) 11177.0			26149.4 (31) 11212.5
32					
33					
34					
35					
36					
37					
38					
39	107.4 CAROL'S ROCK 7.8 26109.8 (39) 11209.4				
40			26129.6 (40) PIPE 11210.7		
41					
42		26112.7 (42) 11221.8			
43					
44					
45					
46					
47					
48					
49					
50					

26100

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
26155.3 (2) 11023.9					2
					3
					4
					5
					6
					7
					8
					9
					10
			26187.6 (11) Wr. 11085.9		11
				26191.1 (12) 11095.6	12
		26175.6 (13) 11117.9			13
					14
26153.6 (15) MUD 11127.6					15
					16
					17
					18
	26165.2 (19) 11135.8	26170.0 (19) 11138.5			19
26153.9 (20) 11139.8	26169.3 (20) 11146.9	26179.0 (20½) 11150.4			20
					21
					22
		26176.1 (23) 11158.3			23
	26165.8 K (24) 11157.0				24
					25
					26
					27
			26183.9 (28) HOLE 11128.4		28
					29
		26170.0 (30) 161.7 173.5 11179.6			30
					31
		26178.8 (32) 11196.4	26186.6 (32) 11191.4		32
					33
					34
			26186.1 (35) 11213.0		35
					36
					37
					38
					39
					40
					41
				26191.2 (42) Cor. 21.5 11222.5	42
				26196.7 (42) Scattered Coral 11224.3	43
					44
					45
					46
					47
					48
	26167.7 (49) Cor. 11226.4	26175.2 (49) 11228.3			49
			26183.2 (50) Cor. 11231.9		50

26200

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7		26216.9 (7) 11037.9			
8					
9					
10					
11					
12		26212.6 (13) 11113.7			26247.9 (12½) 11104.9
13		26216.9 (13) 11100.5		26235.0 (13) 11102.2	26243.6 (13) 11117.7
14					
15					
16					
17					26244.6 (17) 11138.8
18			26222.3 (18) 11140.8	26235.6 (18) 11141.5	
19		26212.8 (19) 11145.0			26240.4 (19) 11145.8
20		26214.7 (19) 11143.1			
21				26237.9 (21) 11158.5	
22					
23					
24					
25					
26					
27			26229.3 (27) 11174.6		
28					
29					
30					
31				26231.0 (31) 11188.7	
32	26207.1 (32) 11201.9			26233.3 (32) 11203.4	
33				26234.8 (32) 11201.6	
34				26235.0 (32) 11193.4	
35					
36					
37					
38			26221.2 (38) 11214.5		26250.0 (38) 11220.5
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	26208.9 (51) 11232.2				

26200

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
26253.5 ① 11200.5					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
26251.6 ⑪ 11077.6			25287.0 ⑪ 11085.0		11
26258.6 ⑫ 11098.6		26275.9 ⑫ 11105.3	25286.9 ⑫ 11087.4 (13.4 CORAL 86.35)		12
					13
26257.1 ⑭ 11121.1					14
	26261.3 ⑮ 11125.3	26273.8 ⑮ 11130.0	26285.1 ⑮ 11131.7		15
	26269.6 ⑮ 11128.5				16
					17
26250.9 ⑱ 11141.6	26260.8 ⑱ 11146.2				18
	19 FM. ROCK 26263.8 ⑲ 11160.8			26295.3 ⑲ 11113.3	19
					20
26258.2 ㉑ 11166.8	26265.3 ㉑ 11159.6		26284.0 ㉑ 11154.4		21
					22
	26265.4 ㉓ 11167.7				23
					24
		26274.3 ㉕ 11172.9		26293.7 ㉕ 11174.7	25
					26
					27
			26281.9 ㉘ 11188.2		28
	26266.5 ㉙ 11185.9		26289.5 ㉘ 11185.6	26298.2 ㉙ 11192.2	29
	26268.1 ㉙ 11189.0	26287.6 ㉚ 11203.7	26288.8 ㉚ 11195.0	26299.6 ㉙ 11188.7	30
				26291.9 ㉛ 11200.6	31
					32
26252.7 ㉝ 11192.0	26262.2 ㉝ 11214.1				33
					34
					35
				26292.1 ㊱ 11222.8	36
					37
					38
					39
					40
					41
26253.0 ㊷ 11224.5					42
					43
					44
					45
					46
					47
					48
					49
					50

26300

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6		26317.0 (6½) 11063.7		26334.0 (7½) 11060.5	
7				26334.6 (7½) 11055.8	
8					
9					
10			26327.5 (10) 11097.0		
11				26333.7 (11) 11107.3 (361.8 / 114.9)	
12	26305.4 (2) 11089.5				
13					
14					
15		26319.0 (15) 11131.7			
16					
17					
18					
19					
20	26308.9 (21) 11168.1			26335.1 (21) 11167.3	
21	26303.6 (21) 11157.4	26314.4 (21) 11171.2	26328.1 (22) 11176.0	26338.8 (21) 11164.0	
22	26307.3 (22) 11171.2	26317.1 (21) 11165.3	26329.8 (22) 11173.3		
23				26333.4 (23) 11180.4	
24					
25					
26					
27					
28			26320.2 (28) 11191.7	26339.8 (28) 11189.4	
29					
30					
31	26305.6 (31) 11208.9	26313.6 (31) 11204.1 (302.5 / 3.6)	26323.4 (31) 11203.5		
32		26315.0 (31) 11206.0			26345.9 (32) 11215.7
33					
34					
35					
36	26300.6 (36) 11223.3	26311.3 (36) 11224.5			
37			26326.7 (37) 11226.9 (19.5 / 29.7)		
38					
39					
40		26312.2 (40) 11232.0			
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

26300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
26353.5 (5) 11046.4					5
				26398.06 (6) 11063.1	6
			26386.2 (7) 11050.0		7
					8
	26363.4 (9) 11076.5				9
					10
26359.6 (11) 11091.3			26383.0 (12) 11118.7		11
26358.6 (13) 11098.5			26389.8 (12) 11099.9	26398.5 (12) 11105.3	12
26351.9 (12) 11122.2		26071.5 (13) 11086.7			13
					14
					15
					16
	26363.7 (17) 11149.7				17
26350.7 (19) 11154.0					18
26359.9 (19) 11154.6					19
26359.9 (20½) 11162.4	26360.2 (21) 11170.0				20
26356.0 (21) 11169.5	26363.8 (21) 11174.7	82.0 26373.4 (21) coral 82.7 11192.6			21
		26371.6 (21) 11176.8			22
					23
26356.7 (24) 11188.4			26389.2 (24) 11197.2	26398.7 (24) 11194.0	24
			26382.7 (25) 11187.7		25
		89.5 26370.3 (26) 86.0 11192.1			26
					27
			26387.0 (28) 11164.8		28
				26395.1 (29) 11202.6	29
					30
26354.3 (31) 11208.4		26377.7 (31) 11216.0			31
26362.3 (32) 11213.4	26366.2 (32) 11217.7			26392.7 (33) 11230.0	32
				26394.8 (33) SLAB 11226.0	33
				26396.5 (34) 11233.6	34
	26361.9 (35) 11229.1				35
			26382.2 (36) 11231.4		36
		26373.7 (37) 11233.2			37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

26400

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4		26413.3 (5) 11029.9			
5		26415.3 (5) 11059.5	26420.4 (5½) 11032.1		
6					
7					
8					
9					
10	26403.6 (10) 11082.9				
11		26413.0 (11) 11085.8	26421.4 (11) 11097.5		
12		26417.9 (11) 11099.7			
13		26411.4 (13) 11111.9		26432.2 (13) 11111.1	
14				26434.2 (14) 11126.4	
15					
16					
17					
18					
19					
20	26400.3 (20) 11165.5				26446.3 (20) 11179.1
21		26412.6 (21) 11177.5			26449.9 (20) 11177.8
22		26413.4 (22) 11191.6			26442.0 (21) 11179.5
23	26402.8 (18.2) (24) 11187.8 (82.7)	26411.9 (23½) 11180.3		26431.3 (23) 11194.2	
24	26408.9 (24) 11195.5			26430.5 (24) 11184.4	
25			26423.0 (25) 11202.3	26438.4 (24) 11198.5	26446.6 (53.3) (25) 11192.7 (90.3)
26					
27					
28	26404.4 (28) 11204.6	26410.7 (28) 11206.5	26421.7 (28) 11209.2		26440.3 (28) 11220.9
29		26417.9 (29) 11218.1	26427.2 (28) 11214.8		
30					
31			26322.8 (31) 11201.5		
32					
33	26408.3 (33) 11228.9			26437.1 (33) 11233.6	
34					
35					
36					
37	26409.7 (37) 11238.9				
38			26423.5 (38) 11243.1		
39					
40					
41					
42					
43					
44				26437.0 (44) 11257.4	
45					
46					
47					
48					
49					
50	26405.7 (51) 11267.7				

26400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
		26477.1 (4½) 11031.7		26497.5 (4) 11031.9	4
					5
					6
					7
26453.3 (9) 11065.9		26476.1 (8) 11059.4			8
					9
					10
					11
		26478.7 (12) 11105.0			12
	26463.4 (13) 11110.9	26472.1 (13) 11108.0		26492.4 (13) 11104.4	13
	26463.8 (14) 11132.5	26478.2 (14) 11130.4		26499.2 (13) 11107.3	14
	26467.6 (15) R. 11144.0			26494.1 (13) 11106.6	15
		26472.0 (16) 11160.2			16
	26462.9 (17) 11161.4				17
26456.0 (19) SLATS 11164.7			26485.5 (18) 11174.1	26492.0 (18) 11171.8	18
26456.3 (19) 11168.5					19
				26491.9 (20) 11184.2	20
		26479.7 (21) 11182.6			21
					22
					23
	26468.7 (24) 11192.5			26496.8 (24) 11192.6	24
			26484.7 (25) 78.9 11199.6 93.9	26497.3 (25) 11207.5	25
	26465.7 (26) Cor. 11206.5		26489.3 (26) 11200.8	26493.5 (27) 11217.9	26
			26483.7 (26) 11206.9	26496.4 (27) 11211.3	27
26457.0 (28) 11219.8			26489.0 (27) 11215.2	26498.6 (28) 11229.5	28
			26488.3 (28) 81.1 Cor. 11222.6 21.4		29
					30
	26460.1 (31) 11230.3				31
					32
26453.9 (33) 11238.3					33
					34
					35
26453.3 (36) 11244.2					36
26453.2 (37½) 11251.9					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

26500

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5		26514.8 (5) 11046.3			
6					
7					
8					
9	26504.3 (9) 11066.2 R.			26539.8 (9) 11073.9 wr.	
10					
11					
12					26549.8 (12) 11109.8
13				26539.9 (13) 11107.2	
14	26502.4 (14) 11145.9				
15					26544.3 (15) 11157.0
16					
17					26546.4 (17) 11163.6
18			26529.0 (18) 11181.2	26539.4 (18) 11168.7	
19					
20				26536.7 (20) 11188.2	
21					
22					
23					
24		26516.4 (24) 11196.3			
25	26506.3 (25) 11203.8				26541.5 (25) 11205.6
26					
27	26507.0 (27) 11215.6 coral	26511.3 (27) 11211.2			
28		26519.4 (28) 11220.9		26533.3 (28) 11224.1 28.5 34.8	
29					
30	26500.7 (30) 11235.0		26521.2 (30) 11238.8		26541.2 (30) 11247.4 ROCK →
31	26501.8 (31) 11240.5			26537.1 (31) 11243.9	
32			26521.3 (32) 11252.7		
33					
34					
35					
36					
37	26501.8 (37) 11240.5	26517.7 (37) 11258.5			
38					
39					26547.5 (39) 11267.9
40					
41					
42					
43					
44					
45					
46					26548.5 (46) 11289.6
47					
48					
49					
50					

26500

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
	26564.4 (10) 11082.9				10
					11
26555.5 (12) 11106.9			26589.3 (12) 11135.3	26597.9 (12) 11109.4	12
				26593.3 (13) 11117.8	13
					14
					15
					16
	26565.7 (17) 11158.7				17
		26587.4 (18) 11175.8		JACKMAN'S HOLE 26593.8 (18) 11196.5	18
	26569.2 (19) 11191.5				19
					20
					21
					22
	26563.2 (23) 11202.1		26580.4 (23) 11203.6	26599.5 (23) 11204.3	23
					24
			26581.3 (25) 11211.7		25
				26597.6 (26) 11221.1	26
					27
	26562.3 (28) 11224.7		26588.8 (28) 11229.2		28
			26586.6 (29) 11239.3		29
			→ ROCK + SCATTERED CORAL		30
		26578.7 (30) 11242.1	26582.2 (30) 11239.8		
26550.2 (31) H 11247.7		26577.7 (31) 11249.4			31
26558.4 (31) 11251.2		BAD MUD 26576.1 (31) 11246.3			32
26552.3 (32) 11259.4		26574.4 (31) 11252.7			33
					34
					35
	26560.6 (36) 11263.3				36
					37
					38
					39
			26587.1 (40) RIDGE 11280.9		40
				26595.3 (41) 11286.2	41
26550.9 (42) 11277.0				26598.8 (41) 11284.7	42
26555.4 (42) 11279.1			26584.4 (43) 11285.6		43
					44
					45
					46
					47
					48
					49
					50

26600

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6				26633.2 (6½) 11051.9	
7					
8					
9	26605.2 (9) 11084.2				
10					26649.7 (10) 11097.7
11					
12				26638.7 (12) 11136.7	26644.8 (12) 11115.3
13	26600.4 (13) 11112.9	26616.6 (13) 11115.7		26639.7 (12) 11142.9	26648.2 (13) 11145.8
14	26603.3 (13) 11114.0				
15				26632.5 (15) 11167.1	26640.2 (15) 11167.2
16					26647.3 (16) 11170.1
17			26629.1 (17) 11178.2		26648.8 (17) 11176.5
18	26601.1 (18) 11176.7			26637.4 (18) 11183.6	
19	26603.4 (18) 11189.9				
20					
21					
22					
23					
24		26610.2 (24) 11210.2			
25				26635.3 (25) 11219.1	
26	26603.1 (27) 11225.0			26633.9 (26) 11224.0	
27	26610.0 (27) Wr. 11227.6	26619.0 (27) 11231.7			
28	26609.7 (27) 11241.3				
29	26607.2 (29) R. 11253.9				
30	26609.7 (30) 11241.3				26641.1 (30) 11244.7
31				26634.9 (32) 11268.2	
32				26636.8 (32) R. 11253.9	26647.5 (32) 11253.0
33			26628.4 (33) R 11256.3	26637.4 (33) 11261.6	26643.8 (33) 11259.3
34				26638.4 (34) 11272.8	
35					
36			26626.6 (36) 11274.8		
37			26621.5 (37) 11279.9		26644.3 (37) 11283.4
38	26604.6 (38) 11280.6			26634.4 (38) Cor. 11278.8	
39					
40			26625.3 (40) 11285.2	26638.6 (40) R 11287.5	
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

26600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
				26691.2 (6½) 11054.0	6
					7
					8
					9
	26661.3 (10) 11111.1				10
					11
26658.8 (12) 11113.0					12
	26668.7 (13) 11121.8		26680.4 (13) 11156.7		13
				26699.2 (15) 11175.5	14
26659.6 (15) 11165.5				26699.3 (15) 11171.5	15
					16
26653.5 (17) 11181.2				26699.3 (17) 11189.8	17
26650.7 (19) 11188.0					18
26657.7 (18) 11184.5	26660.5 (19) 11200.4		26680.7 (19) 11200.4		19
			26686.3 (20) 11208.2		20
					21
					22
					23
	BARON TORE UP ON VALVE 26672.5 (24) 11221.1				24
				BUOYS REPORTED HERE 26699.9 (25) 11225.0	25
			26686.3 (26) 11232.2	26697.1 (26) 11234.7	26
					27
		26679.9 (28) 11240.0	26686.4 (28) 11249.6	26692.8 (28) 11224.4	28
				26698.4 (28) 11250.0 →	29
	26660.0 (31) 11256.6	26672.7 (30) 11244.7			30
26659.5 (31) 11258.9	26666.5 (31) 11248.9			26695.1 (31) 11254.3	31
		26671.5 (32) 11260.0		26695.4 (31) 11261.1 →	32
	26661.7 (33) 11259.9	26677.2 (33) 11273.4		26691.6 (33) 11271.4	33
		26672.6 (34) 11269.9			34
					35
					36
			26688.0 (37½) 11281.8	26690.5 (37) 11292.4	37
	26661.7 (38) 11284.4		26684.3 (38) 11298.5		38
					39
		26677.1 (40) 11296.8		26696.1 (40) 11306.3	40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

26700

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3	26701.0 ③ 11035.7				
4					26740.3 ④ 11035.7
5					
6					26745.1 (7½) 11072.5
7				26733.4 (7½) 11067.8	26747.8 (7½) 11068.8
8			26726.1 ⑧ 11074.4	26735.8 ⑧ 11076.6	26740.0 ⑧ 11079.2
9	26707.4 ⑨ 11086.9		26729.4 ⑨ 11087.4	26736.8 ⑨ 11106.8	26745.9 ⑩ 11112.1
10	26709.0 ⑩ 11108.8				26747.3 ⑩ 11095.8
11	26707.1 ⑪ 11112.4				
12		26710.7 ⑬ 11140.2			
13		26715.9 ⑬ 11132.3	26726.2 ⑬ 11149.9		26742.8 ⑬ 11127.0
14		26711.5 ⑬ 11153.1			26749.6 ⑬ 11136.5
15					
16				26730.3 ⑯ 11181.2	26746.2 ⑯ 11173.3
17					
18					26741.6 ⑱ 11207.4
19				26734.7 ⑲ 11210.6	
20					
21	26701.3 ㉑ R. 11219.9				
22					
23					
24					
25					
26					
27					
28	26700.7 ㉘ 11246.2	26710.1 R. ㉘ 11249.2			26744.3 ㉘ 11245.5
29					
30					
31		26728.5 ㉜ 11269.3			
32	26707.2 ㉛ 11255.4	26715.6 ㉜ 11273.9	26725.9 ㉜ 11265.9	26736.9 ㉜ 11266.9	
33	26700.3 ㉝ R. 11275.7	26710.3 (21.85) ㉝ R. 11281.05 (75.25)	26727.5 ㉜ R. 11278.9		
34	26701.9 ㉞ R. 11278.6		26720.7 ㉞ 11283.9		
35					
36			26724.9 ㊱ 11275.8	26730.5 ㊱ 11296.3	
37			26727.1 ㊲ 11302.0		
38					
39					
40					
41					
42	26706.5 ㊷ 11308.8				
43					
44					
45	26704.1 ㊺ 11314.0				
46					
47					
48					
49					
50					

26700

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
		26779.5 (4½) 11044.8		26797.9 (4) 11305.2	4
					5
				26795.6 (6) 11059.0	6
26758.5 (7½) 11068.9		26775.8 (7½) 11075.4	26783.5 (7½) 11074.9	26795.0 (7½) 11080.6	7
					8
26752.7 (9) 11082.1					9
26752.8 (9) 11084.7	26760.6 (10) 11104.5				10
					11
	26769.5 (12) 11129.3				12
					13
26758.1 (14¾) Cor. 11169.6					14
26758.5 (15) Cor. 11173.0	26766.8 (15) 11186.9	26779.5 (15) 11172.0			15
				26796.5 (16) 11180.1	16
26755.7 (17) R 11187.4				26796.3 (17) 11189.4	17
		26778.1 (18) 11199.5		GOLDEN DAWN 26797.4 (18) 11215.0	18
26752.6 (19) Wr. 11221.3				26794.8 (19) 11244.4	19
				26798.0 (20) Wr. 11237.1	20
					21
					22
					23
			26786.1 (24) 11241.8		24
	BIG PIPE 26766.6 (25) 11241.3				25
				26798.4 (26) R. 11249.0	26
			26787.4 (27) 11248.2		27
					28
					29
		26774.5 (30) 11264.7			30
		26776.7 (31) 11277.3	26786.5 (31) 11279.7	26792.4 (31) 11274.3	31
26752.0 (32) 11268.6		26778.1 (32) 11281.9	26787.7 (31½) CANDY MT. 11285.3		32
			807.5 26768.9 (9) 1.5 11284.6		33
	26766.7 (34) 11296.6				34
					35
					36
CHURCH STEEPLE R. 26755.5 (37) 11306.7	26764.9 (37) 11301.6		26787.8 (37) R 11315.0		37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
			26788.1 (50) 11338.5		50

26800

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3				26832.3 (3½) 11047.0	
4					
5					
6					
7					26842.0 (8) 11086.8
8	26807.9 (8) 11080.2			26835.1 (8) 11089.3	26844.8 (8) 11078.1
9			26829.3 (9) 11104.1		26847.6 (9) 11090.2
10			26826.1 (10) 11123.4	26831.3 (10) 11123.7	
11					
12	26803.5 (12) 11131.6				
13				26386.2 (14) 11168.8	
14	26802.5 (14) 11165.2			26838.7 (14) 11163.9	
15	26806.6 (15½) 11183.2				
16	26802.7 (16) 11180.2	26815.0 (16) 11180.9			
17					26841.9 (17) 11202.0
18					26845.5 (17) 11204.4 C.
19	26801.9 (19) 11223.5	26810.4 (19) 11230.1			26846.0 (17) 11203.2 4.35 5½ 1.5
20	26807.2 (19) 11227.6				26847.1 (17½) 11212.7
21					
22					
23				26837.7 (23) 11299.8	
24		26813.8 (24) 11245.2			26845.7 (24) 11254.0
25					
26					
27			26822.5 (27) 11254.8	26839.7 (27) 11261.5	
28			26824.0 (27) 11259.1	26837.4 (28) 11265.8	
29					
30					
31					
32					
33			26820.2 (33) 11295.9	26833.5 (33) 11294.0	
34					26849.7 (34) R 11308.3
35					
36					
37		26814.5 R (37) 11323.0			
38					
39				26835.1 (39) 11334.5	
40	26807.3 (40) 11331.6				
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

26800

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
			26882.2 (3) 11051.8		3
26858.3 (4½) 11055.0					4
					5
					6
				26898.0 (7½) WK 11080.3	7
					8
					9
			26887.7 (10) 11123.0	26896.0 (10) 11112.6	10
					11
	26866.4 (12) 11138.3	26878.3 (12) 11135.9			12
			26886.8 (13) 11145.7		13
			26885.5 (14) 11160.7		14
					15
	26864.8 (18) 11234.5		26885.8 (16) 11048.4		16
26853.1 (17) 11202.8	26868.3 (17) 11199.6 (56.1 / 201.35)			26892.7 (17) 11202.2	17
	26867.4 (18) 11215.7				18
26858.6 (19) 11232.1	26868.2 (19) 11223.4				19
				26895.8 (20) 11232.0	20
			26886.2 (21) 11251.5		21
	26868.0 (22) 11248.8				22
					23
26859.6 (24) 11253.5				26891.0 (24) 11258.7	24
					25
				26898.4 (26) 11268.1	26
			26880.3 (27) 11268.8		27
					28
					29
			26885.3 (30) 11291.3	26895.5 (30) 11293.6	30
26850.6 (31) 11285.9					31
		26895.4 (32) 11318.7		26892.4 (32) 11307.5	32
					33
26850.8 (34) 11312.8					34
		26872.7 (35) 11323.1			35
26854.0 (36) 11329.3		26875.8 (35) 11325.7			36
26851.3 (37) 11333.7			26889.1 (37) 11337.5		37
				26891.9 (38) 11344.2	38
	26869.7 (39) 11344.2				39
		26874.1 (40) 11068.1	26880.8 (40) 11352.4		40
					41
26854.7 (42) 11345.4					42
					43
					44
					45
					46
					47
					48
					49
					50

26900

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3				26939.3 ③ 11067.6	26947.1 ③ 11063.9
4			26923.7 (4¼) 11076.3		26948.9 ④ 11072.7
5			26925.0 ⑤ 11060.9		26946.6 ⑥ 11077.8
6		JOLIE BLON 26914.6 ⑥ 11073.1		26939.4 ⑥ 11075.2	26949.8 ⑥ 11074.0
7					
8		26919.3 ⑨ 11122.4	26927.5 ⑨ 11104.2		26947.3 ⑧ 11101.0
9		26919.8 ⑨ 11114.3	26927.8 (9¾) 11100.3	26933.0 ⑨ 11093.0	
10		26916.2 ⑩ 11126.7	26928.4 ⑨ 11107.5	26939.7 ⑩ 11133.6	
11		269..6 ⑩ 11133.3			
12			26923.7 ⑪ 11144.0	26930.1 ⑫ 11148.6	26940.4 ⑫ 11161.3
13				26933.1 ⑫ 11155.0	26949.8 ⑫ 11154.4
14	26905.4 ⑭ 11190.8				26941.0 (61.5 FT) ⑫ 11157.1 (59.0 M)
15					
16					
17					
18		26918.0 ⑱ 11223.6			
19	26903.0 (19¾) 11226.9	26910.3 ⑲ 11240.1	26929.2 ⑲ 11224.6		
20		26917.1 ⑳ 11236.3			26943.2 ⑳ 11248.9
21		26918.5 ⑳ 11243.7			
22				26930.3 ㉒ 11260.5	
23					
24					
25	26901.2 ㉕ 11266.5		26923.0 ㉕ 11270.5		
26					
27					
28					
29					
30		TONY'S ROCK 26913.4 ㉚ 11299.8			
31	26902.9 ㉛ 11301.1				26941.9 ㉛ 11315.4
32				26930.6 ㉜ 11312.8	26947.1 ㉜ 11316.7
33					
34		26913.0 ㉞ 11323.1	26926.3 ㉞ 11323.8		
35			26925.9 ㉟ 11330.5	26931.1 ㉟ 11331.8	
36					
37					
38	26907.4 ㊳ 11344.5				
39					
40	26900.5 ㊵ 11354.0				26943.4 ㊵ 11365.8
41					
42			26921.3 ㊸ 11365.8		
43		26912.7 ㊸ 11365.6	26924.1 ㊸ 11377.3		26948.9 ㊸ 11371.2
44	26904.0 ㊹ 11371.5				
45					
46					
47					
48					
49					
50					

26900

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
	26964.3 ③ 11067.6				3
		M.A. BOLAN 26975.3 (4½) 11076.8			4
					5
26958.0 ⑥ 11072.7			26986.1 ⑥ 11082.9	26993.0 ⑥ 11084.2	6
26951.9 ⑦ 11082.3		26973.5 ⑧ 11115.6	26980.9 ⑦ 11091.5	26996.6 ⑦ 11094.7	7
26951.0 ⑧ 11105.4		26976.7 ⑧ 11098.6	26987.7 ⑧ 11112.8	26996.2 ⑧ 11105.8	8
		26971.3 ⑨ 11129.4		26982.5 ⑨ 11123.8	9
26954.7 (72.6 28.8) ⑩ 11128.4				26997.2 (9½) 11121.1	10
26957.8 ⑪ 11146.0				26990.8 ⑪ 11131.4	11
					12
					13
					14
26959.4 ⑮ Coral 11193.4			26980.0 ⑮ 11192.4		15
					16
					17
					18
		26973.9 ⑲ 11233.3		26997.3 ⑲ 11249.7	19
26951.6 ⑳ 11238.6					20
26959.6 ㉑ 11254.9					21
		26973.2 ㉒ 11272.0			22
					23
					24
			26983.2 ㉕ 11306.7		25
					26
			26989.5 ㉗ 11297.9		27
			26987.3 ㉘ 11302.1		28
		26971.7 ㉙ 1130 C.S.			29
					30
26957.1 ㉛ 11308.3					31
	26962.5 ㉜ 11325.1				32
26952.0 ㉝ 11330.2					33
				26993.4 ㉞ 11324.1	34
	26960.9 ㉟ 11342.5	26977.6 ㉟ 11343.8			35
					36
					37
					38
			26986.9 ㊴ 11370.1	26899.1 ㊴ 11358.8	39
		SCATTERED CORAL 26979.0 ㊵ 11375.9			40
	26963.3 (41½) 11371.4				41
					42
					43
					44
					45
	26964.5 R ㊻ 11381.2				46
					47
					48
					49
					50

27000

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4				27031.2 (4½) 11083.6	
5	27004.8 (6) 11088.7				
6	27006.9 (6) 11084.6	27018.2 (6) 11086.8			
7		27011.2 (7) 11095.8			27048.3 (7) 11141.3
8					
9				27036.9 (9) 11150.7	
10					
11					
12					
13		27012.7 (13) 11184.4			
14					
15					
16					
17				27031.1 (17) 11263.1 Wr.	
18					
19					
20					
21					
22					
23		27012.0 (23) 11282.3		27031.8 (23) 11281.7	27045.9 (23) 11300.2
24	27004.1 (24) 11290.2				
25					
26					
27					
28					
29					
30	27005.6 (30) 11331.1				
31	27005.7 (31) 11340.0	27011.2 (31) 11334.1	27024.1 (31) R 11339.9	27034.5 (31) 11334.4	
32		27013.2 R (32) 11338.7			27043.9 47.8 S (32) 11341.9 45.0 S
33					27049.4 R (33) 11356.5
34				27030.4 Cor. (34) 11353.8	27040.5 (34) 11355.7
35					
36					
37					
38		27010.4 (38) 11368.7	27020.8 (38) 11371.7		27043.5 (38) 11381.9
39	27007.8 (39) 11376.1		27029.2 (38) 11374.0		
40	——? SCATTERED CORAL —— 27010.6 (40) 11385.0				
41					
42					
43					
44					
45					
46					
47					
48				27032.6 (48) 11408.2	
49					
50					

27000

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
	27065.6 (7½) 11086.3				1
					2
					3
27054.3 (4) 11075.4					4
27059.4 (5½) 11092.0		27077.7 (5) 11098.9	27088.6 (5) 11124.7	27096.5 (5) 11123.6	5
27053.2 (6) 11105.5	27060.3 (6) 11139.9		27087.7 (5½) 11170.8		6
27051.0 (7) 11143.1					7
					8
27056.0 (9) 11159.0					9
27055.3 (10) 11170.6					10
					11
					12
					13
27060.9 (14) 11207.9	27068.7 (14) 11213.8	27070.1 (14) 11225.5			14
		27079.3 (15) 11225.3			15
					16
					17
					18
				27092.3 (19) 11258.4	19
		27072.8 (20½) 11274.7			20
	27060.6 (21) 11271.4				21
27051.7 (22) 11272.0	27063.1 (22) 11287.6				22
					23
27058.0 (24) 11294.7					24
					25
					26
					27
					28
			27084.1 (29) 11334.5		29
					30
27067.8 (31) 11348.8		JEANIE'S ROCK 27077.1 (31) 11355.6			31
					32
JIM'S ROCK 27052.4 (33) 11360.6					33
		27072.2 (34) 11364.8			34
					35
27052.2 (30) 11380.7	27064.3 (36) 11371.1				36
	27062.7 (36) 11383.7				37
				27093.1 (38) 11392.7	38
					39
					40
					41
					42
					43
					44
	27062.6 (45) 11409.9				45
					46
					47
					48
					49
					50

27100

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4			27126.8 ④ 11128.6 (MR. BIG)		27144.4 (43/4) 11117.7
5					
6					
7					
8			27126.5 (8½) 11180.9		27148.8 ⑧ 11184.4
9					
10					
11					
12					
13					
14					
15					
16		27110.2 (16) 11245.6			
17					27044.6 (17) 11232.6
18	27106.2 (18) 11250.0				
19		27112.9 (19) 11294.6			
20					
21					
22					27144.4 (22) 11307.5
23					
24				27139.0 (24) 11311.5	
25					
26					
27					
28					
29					
30					
31					
32	27104.9 (32) 11364.5			27139.1 (32) 11378.1	
33		27111.9 (33) 11390.5			
34	27106.4 (34) 11379.3	27117.5 (34) 11378.1			27147.0 (34) 11384.5
35		27118.8 (35) 11384.6	27120.9 (35) 11385.3		27140.5 (35) 11390.1
36	27105.4 (36) 11391.2				
37			27120.1 (37) 11395.6		27141.2 (37) 11408.2
38					
39					
40					
41					
42					
43			27121.3 (43) 11419.8 (23.1 ←)	27137.3 (43) 11424.9 (→ 28.8 R)	
44					
45					
46					
47					
48					
49					
50					

27100

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
					14
				27194.3 (15) 11287.00	15
					16
					17
					18
					19
					20
		27179.5 (21) 11312.1			21
	27169.1 (22) 11316.0				22
		27177.5 (23) 11327.1 VALVE	27187.3 (23) 11334.4		23
					24
					25
					26
					27
					28
				27199.7 (29) 11366.5	29
					30
		27174.4 (31½) 11377.5			31
			27180.4 (32) 11385.7		32
					33
					34
27158.7 (35) 11393.8				27197.7 (35) 11468.1	35
					36
					37
					38
		27174.5 (39) 11423.3			39
					40
					41
					42
			27188.0 (43) 11435.1		43
					44
					45
			27188.1 (46) 11467.5		46
					47
					48
					49
					50

27200

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4		27213.7 (4½) 11175.9	27227.9 (4) 11178.4		
5			27228.0 (4) 11182.1		
6					
7					
8					
9					
10					
11					
12					
13	27207.2 (13) 11277.7	27217.0 (3½) 11253.4			
14			27223.5 (14) 11292.4		
15					
16					27242.1 (16) CABLE 11317.0
17					
18					
19		27219.0 (19) 11372.9			27241.8 (19) 11318.8
20	27206.0 (20) 11328.0				
21		27218.0 (21) 11330.1			
22					
23				27231.1 (23) 11345.8	
24					
25					
26					
27					
28					
29				27230.5 (29) 11377.1	
30				27239.0 (31) 11393.7	
31				27236.4 (31) 11391.0	27245.0 (31) CAP 11403.7
32					
33					
34		27218.5 (34) 11402.7		27236.0 (34) 11413.9	27243.3 (34) 11409.5
35		27214.8 (35) 11412.9			
36		27211.7 (36) 11421.3			
37					
38	27201.4 (38) 11424.6	ROCK	27222.6 (38) 11431.5		
39				27231.1 (39) 11437.1	27241.7 (39) 11434.9
40					27245.6 (39) 11438.1
41				27236.6 (41) 11443.2	
42					
43			27227.3 (43) 11439.7		
44					
45					
46		27217.5 (46) 11451.5 (48.9)	27228.2 (46) ROCK 11455.2 (51.65)		
47		27215.4 (46) 11477.2			
48	27200.8 (48) 11457.0				
49					
50	27200.0 (60) 11454.9		27227.0 (60) 11464.3		

27200

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
		27278.7 (3½) 11178.5			3
					4
					5
					6
					7
					8
					9
					10
					11
27357.1 (12) 11309.4			27285.4 (12½) 11278.9		12
27252.9 (13) CAP 11316.7					13
			27289.1 SINK PLATFORM (14) 11322.6		14
		27277.7 (15) 11302.0			15
					16
		27278.7 (17) 11317.1			17
27252.9 (18) 11316.7					18
					19
					20
	27261.4 (21) 11346.1				21
					22
	27267.3 (23) 11352.6				23
		27277.6 (24½) 11361.3			24
					25
					26
					27
27251.3 (28) 11375.4					28
					29
27252.5 (30) 11399.8					30
					31
	27264.0 (32) 11412.1	27272.3 (32) 11407.9			32
					33
					34
				27297.9 (35) 11434.9	35
					36
					37
27252.3 (38) 11429.7					38
					39
					40
					41
			27286.5 (42) 11452.9		42
					43
			27288.6 (44) 11466.5	27298.8 (44) 11471.1	44
					45
27259.6 (46) 11460.3					46
					47
					48
					49
					50

27300

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13				27330.9 (13) 11304.2	
14		27317.8 (14) 11322.6		27335.5 (14) 11320.8	
15			27326.5 (15) 11332.0		
16	27304.4 (16) 11337.5				
17					
18	27305.0 (18) 11342.8	27319.2 (18) 11346.5		27331.0 (18) 11346.6	27347.9 (18) 11356.4
19					
20					
21		27317.0 (21) 11352.1	27322.7 (22) 11350.5		
22			27326.3 (22) 11368.0		
23				27337.8 (23) 11375.4	
24					
25	27304.2 (25) 11363.8				
26	27309.3 (26) 11365.2	27318.6 (26) 11398.2			
27					
28		27315.5 (28) 11395.4			27346.0 (28) 11418.3
29		27317.3 (28) 11403.1			
30					
31	27300.9 (31) 11414.9				
32					
33					
34				27330.0 (34) 11430.4	
35					
36					
37					
38					
39			27323.2 (39) 11458.6		
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

27300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
				27391.3 (3½) 11214.6	3
					4
					5
					6
					7
					8
					9
					10
			27387.9 (11) 11333.0		11
					12
					13
					14
	60.0 / 9.7 R 27367.8 (15) 11351.3	27373.0 (15) 11361.3	27383.2 (15) 11364.1	27391.9 (15) 11370.9	15
	R			27398.4 (15) 11368.5	16
	27365.9 (17) 11359.3				17
27350.4 (18) 11360.2	R 27367.8 (17) 11351.3				18
					19
27354.5 (20) 11379.2		27378.0 (20) 11386.2			20
					21
					22
					23
					24
		27373.2 (25) 11404.9		27390.0 (25) 11411.3	25
					26
					27
					28
		27375.2 (29) 11439.2			29
		27371.7 (30) 11433.8			30
					31
				27392.2 (32) 11454.5	32
	ANCHOR 27363.1 (33) 11448.7				33
					34
					35
					36
27351.1 (37) 11458.1					37
					38
					39
	COR R. 27366.7 (40) 11475.5				40
					41
	MUD 27366.9 (42) 11490.7				42
					43
27357.9 (44) 11493.6					44
		27374.3 (73) 11488.2			45
					46
					47
					48
					49
					50

27400

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3			27421.1 (3) 11257.6		
4					
5					
6					
7					
8					
9					
10					
11					27448.3 (11) 11333.8
12					
13				27431.4 (13) 11345.6	
14					27441.5 (14)
15					
16					
17	27400.6 (17) 11376.7				
18					
19					
20					
21			27425.8 (21) 11412.9		
22					
23		27416.9 (23) SHIP 11419.9			
24					
25					
26					
27					
28					
29					
30		27417.2 (30) 11450.3	27423.1 (30) 11450.2		
31				27437.5 (31) 11466.2	
32					27443.4 (32) TUG 11472.7
33	27403.5 (33) DIV. 11459.0	27418.7 (33) 11466.1			27445.3 (33) 11470.1
34					
35					
36					
37	27408.0 (37) 11478.4				
38					
39			27429.2 (39) 11490.5		
40					
41					
42				27435.7 (42) 11507.1	27441.5 (42) 11498.4
43					
44					
45					
46					
47					
48				27430.1 (48) 11515.8	
49					
50					

27400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
					14
					15
					16
				27497.7 (17) 11420.8	17
					18
					19
					20
					21
		27470.9 (22) 11438.8			22
					23
					24
		27479.7 (25) 11463.4		27494.9 (25) 11460.9	25
					26
				27498.3 (27) 11474.7	27
					28
					29
					30
					31
27454.6 (32) 11476.8					32
				27498.7 (33) 11497.7	33
					34
					35
					36
		27473.4 (37) 11499.4			37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
				27497.0 (308) 11554.0	50

27500

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					27546.5 (3½) 11266.3
4			27520.4 (4½) 11284.4		
5					
6					
7					
8		27512.0 (8) 11326.3			
9					
10					
11	27504.8 (11) 11366.0	27513.7 (11¼) 11386.5			
12	27503.5 (12) 11382.1		27527.4 (12) 11401.5		27542.0 (12) 11404.9
13	27503.2 (13) 11395.0				
14					
15		27519.5 (15½) 11424.5	27529.6 (15) 11424.9		27549.7 (15) 11434.0
16				27530.2 (16) 11432.2	
17					
18					
19					27548.7 (19) 11454.1
20					
21					
22					
23	275 0.0 (23) 11455.8				
24					
25					
26					
27					
28					
29					
30					
31		27516.7 (31) 11490.7			
32					
33		27517.0 (33) 11507.0			
34					27545.4 (34½) R. 11534.4
35					
36					27541.4 (36) 11526.9
37					
38				27530.1 (38) 11540.3	
39					
40					
41					
42					
43					
44					
45					
46			27520.6 (46) 11550.7		
47					
48					
49					
50					

27500

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
27551.6 ④ 11311.7					4
					5
					6
					7
	27563.2 ⑨ 11392.0				8
	27565.4 ⑨ 11377.8				9
27555.2 ⑩ 11398.1	27568.4 ⑭ 11409.8				10
					11
					12
		27573.5 ⑬ 11433.6			13
	27563.2 ⑭ 11430.2				14
27555.4 ⑮ 11438.4					15
					16
					17
					18
	27569.5 PIPE ⑲ 11474.9				19
					20
		27573.4 ㉑ 11484.8			21
27550.5 ㉒ 11491.7					22
					23
					24
					25
					26
					27
					28
					29
					30
	27565.3 ㉛ 11524.7				31
					32
					33
	27563.4 ㉞ 11535.8			27596.6 ㉞ 11542.1	34
					35
					36
					37
					38
					39
					40
					41
					42
27556.1 ㊸ R 11552.7	27562.7 R ㊸ 11553.1				43
					44
					45
					46
					47
					48
					49
	27569.1 ㊿ 11571.0				50

27600

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7					
8	27602.2 (8) 11408.2				
9					
10					
11					
12	27607.3 (12½) 11457.9				
13					
14					
15					
16					
17					
18					
19				27636.5 (19) 11510.3	
20					
21					
22					
23					
24					
25					
26					
27					
28					
29				27634.6 (29) 11553.0	
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47				27637.7 (47) 11601.9	
48					
49					
50					

27600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
					14
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					20
					21
					22
					23
					24
					25
					26
					27
					28
					29
					30
				27693.5 (31) 11593.1	31
					32
					33
					34
					35
					36
					37
					38
					39
	27668.1 (40) 11606.1				40
					41
					42
27655.5 (43) 11606.0					43
					44
					45
					46
					47
					48
					49
	27663.7 (51) 11625.0				50

27700

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					27741.4 (75) 11527.0
13					
14				27736.3 (14) 11537.7	
15					
16		27712.7 (16) 11533.2			
17					
18					27740.5 (18½) 11552.7
19					
20					
21					
22					
23					
24					
25					
26					
27					
28	27707.5 (28) 11590.4				
29		27717.7 (29) 11595.0			
30					
31					
32		27719.3 (32) 11621.2			
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38		27717.2 (38) 11621.5			
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50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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			27782.2 (8) 11517.1		8
	27761.6 (9) 11521.1				9
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			27788.0 (24) 11607.0		24
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	27765.6 (33) 11629.7				33
			27789.6 (34) 11646.2		34
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27800

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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8	27801.7 ⑧ 11523.7				
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11	27805.6 ⑪ 11542.2				
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27853.2 (9) 11501.4					7
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		27874.2 (15) 11617.9		27893.7 (15) 11627.1	15
	27868.9 (16) 11608.4				16
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			27887.9 (21) 11642.8		21
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				27891.6 (26) 11672.5	26
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27900

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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9				27930.2 (9) 11560.0	
10			27921.0 (10) 11609.6		
11		27912.1 (11) 11605.4			
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23				27932.3 (23) 11666.6	
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27				27937.4 (27) 11695.5	
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29			27927.2 (29) 11703.0		
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50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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27953.7 (4) 11533.1					7
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		27979.0 (13) 11644.9			13
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	27963.4 (93) 11641.8				15
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	27966.4 (17) 11647.7				17
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		27972.6 (23) 11684.6			23
27953.9 (24) 11686.7					24
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FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
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			28092.7 (100') 11694.3		16
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28100

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
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4		28117.2 (7) 11553.5			
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8	28109.7 (8) 11597.8				28140.8 (8) 11617.5 BILLY H.
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11	28101.7 (11) 11690.0			28130.0 (11) 11675.0	
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21			28127.5 (2) 11716.4		
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		28174.7 (6½) 11617.3			6
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28150.7 (9) 11626.0					9
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28200

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28					28246.1 (28) 11766.8
29				28234.1 (29) 11791.9	
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28256.1 (16) 11737.0					15
28258.9 (16) 11753.9					16
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			28281.4 (19½) 11771.9		19
		28275.6 (20) 11772.0			20
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17				28339.8 (17) 11765.3	
18					28349.5 (18) 11776.9
19		28317.4 (19) 11773.0			
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21					28345.3 (21) 11786.7
22				28337.8 (22) 11791.1	
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26		28313.6 (26) 11797.5			
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28354.7 (25) 11810.7					25
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24	28402.9 (24½) 11837.3				
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27					28443.4 (27) 11863.3
28		28411.9 (28¾) 11828.7			
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30			28428.7 (30) 11861.2		
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			28481.3 (27) 11851.5		27
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28458.7 (30) 11886.2					30
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