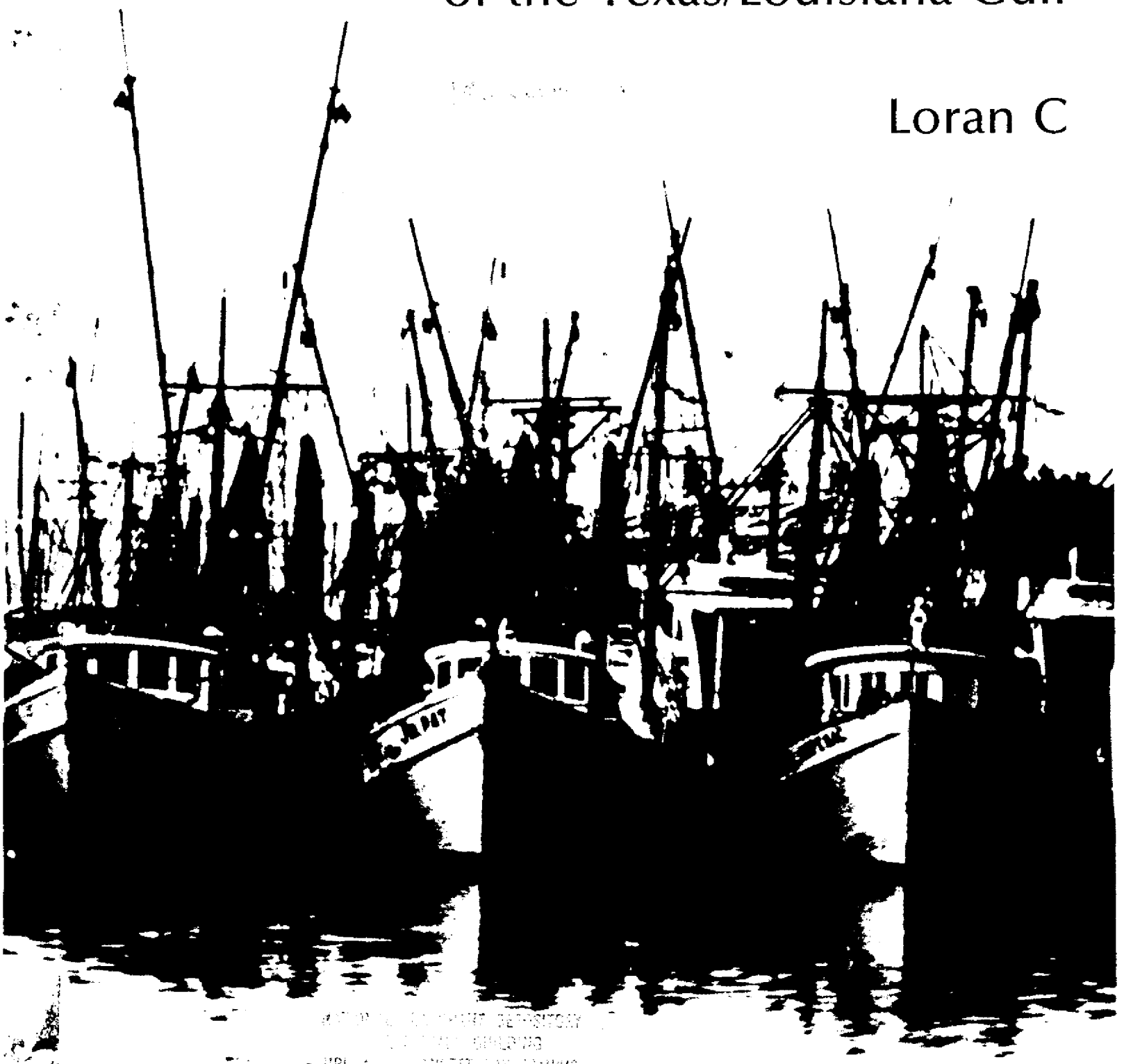
"Hangs" and Bottom Obstructions of the Texas/Louisiana Gulf

Loran C



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

Loran C

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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 The Texas A&M University System through the Sea Grant College Program and the Texas Agricultural Extension Service. The conversions 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.

This 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.

ACTUAL LORAN C READINGS

Since last publication of this book, much effort was directed toward interviewing fishermen and obtaining actual Loran C coordinates of obstructions. As a result, 3,860 actual readings have been added. This will significantly enhance the accuracy of this book. Two hundred and ninety-eight (298) previously converted Loran A coordinates were removed and replaced with reliable coordinates. Actual Loran coordinates of hangs are designated by the symbol: ⊕

EAST OF THE 27500 LINE

The symbol designating actual Loran readings was omitted from the 27500 line to the end of the book — 28700. The readings in these areas are primarily exact Loran coordinates which were recently obtained. Only a very few, old conversions from Loran A to Loran C appear in this section of the book. Those coordinates which are conversions are so designated. If no indication appears by a reading, it is an actual Loran coordinate.

Y SECONDARY (46000 LINE)

The 46000 line is employed in reporting hangs off Louisiana. Due to the characteristics of this line, which parallels the depth contour, every effort was made to use this secondary as the cross reading in waters to the east.

USING THE CONVERSION FROM LORAN A TO LORAN C

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

1. Part of this book consists of Loran A coordinates which were converted by computer into Loran C fixes. *Some loss of accuracy from previous Loran A 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 original Loran A bottom information from Aransas Pass to Brownsville and Isles Dernieres to the Southwest Pass is not presented in this book. Special efforts were directed toward obtaining information in these areas. As a result, much of the previously lost data is now reported in actual Loran C coordinates.

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 conversion process by which accuracy achieved would be within 1,300 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, for waters adjacent to Galveston, and for areas off the Southwest Pass of the Mississippi River.

OTHER CONSIDERATIONS

When working from this book, readings should be compared on charts due to necessary distortions that this cataloguing 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

BROWNSVILLE TO THE 23800 LINE

The layout of the book has been redesigned for waters off of South Texas. The W secondary — 11,000 line — is now used to catalog Loran readings. As this line runs somewhat perpendicular to the coast, this change will hopefully give more coherence to the cataloguing system. Due to its configuration, the previously used W secondary was unsatisfactory for logging hangs in southern waters. In the previous book, much continuity was lost using the W secondary south of Corpus Christi.

LAYOUT OF THE BOOK — BROWNSVILLE TO THE 23800 LINE

The book is catalogued differently for waters south of the 23800 line. The W secondary of the 7980 GRI is used to log readings. The book begins with the 11210 line and extends to the 11080 line, which is just south of Corpus Christi.

Each set of facing pages represents ten (10) microseconds of the W secondary. To complement the W secondary, the X secondary — 20,000 line of the hang is logged.

Each page is divided into five columns. Each column represents one (1) microsecond of the W secondary, which is designated at the outer corner of the page. Located vertically along the outer margin of each page are numbers representing the depth of water in fathoms. As one moves from the left of the book to the right, a northerly direction is assumed.

In the area of the 23800 line, some confusion may exist when determining which section of the book to use. Generally, the shallow water readings from 11080 to the south will be found in the W cataloguing portion of the book. A "buffer" area is included in the book for dragging in areas represented by the change from the W to the Y cataloguing system. This "buffer" consists of logging readings in each section of the book to eliminate continual referral from one cataloguing system to the other.

The transition from the W secondary section of the book to the X section generally takes place when the cross reading exceeds the 23800 line.

23800 LINE TO THE MISSISSIPPI RIVER

Each set of facing pages represents one hundred (100) microseconds of the X secondary of the 7980 Loran C chain. The book begins with the 23800 line of position off Corpus Christi 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) or the Y secondary (46000 line) of the hang is logged.

Each page is divided into five columns. Each column represents ten (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.

THE ⊗ REPRESENTATION OF DEPTH

Depths of some shallow-water readings and depths of some coordinates off the Mississippi River could not be determined. As a result, the symbol ⊗ is used to note that depths were uncertain. An effort was directed to organize hangs with ⊗ designations as they are located in reference to other hangs listed in the book.

LORAN LINES — A WAY TO UPDATE THIS INFORMATION

As additional information becomes available relative to new hangs and deletions, updates in a newsletter, "Loran Lines," will be made available. To obtain "Loran Lines," a fisherman may write to:

Sea Grant College Program
ATTENTION: Publications
Texas A&M University
College Station, Texas 77843

The newsletter will be forwarded to interested subscribers at no charge.

Gary Graham
County Extension Office
Route 2, Armory
Angleton, Texas 77515
409/849-5711, Ext. 1564

ACKNOWLEDGEMENTS

Special thanks to Reta Beaver who directed much effort in organizing and transcribing coordinates.

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

Capt. Bob Abbott
Capt. Wes Albright
Capt. Sandalio Aleniz
Capt. Charles Allan
Capt. Manuel E. Almendariz
Capt. Bernard Aparicio
Capt. Earl Arthur
Capt. Ned Baron
Capt. Mark Bates
Capt. Ted Bates
Capt. Vernon Bates, Jr.
Capt. Tinsy Bell
Capt. David "Crockett" Belsome
Capt. Wesley Bennett
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. Jim Carriker
Capt. F. G. Christ
Capt. Bobby Clancy
Capt. Kenneth Clark
Capt. Robby Clark
Capt. Donnie Collier
Capt. Floyd Condit
Capt. E. L. Cooper
Capt. Nick Costello
Capt. Country
Capt. Douglas Cox
Capt. Jesse Cuellar
Capt. Seferino Cuellar
Capt. Robert Cuevas
Capt. Clarence Culp
Capt. George Dahlmer
Capt. Paul Daniels
Capt. Arnold Davila
Capt. Harry (Junior) Davis
Capt. Larry Daroven
Capt. Martin DeRick
Capt. Marvin Dickey
Capt. Bob Doyle
Capt. Hillary Duval
Capt. Elmer Ebanks
Capt. Lolo Flores
Capt. Robert Flores
Capt. Hollis Forrester
Capt. Jack Forrester

O. S. Capt. Frisky
O. S. Miss Universe
O. S. Madera Cruz
O. S. Rebel Flag
O. S. Midway
O. S. Rio Grande
O. S. Maecella
O. S. Galeb
O. S. Capt. Vernon
O. S. Lady Muriel
O. S. Rhonda Kathleen
O. S. Robin Lee
O. S. Papa George
O. S. Theresa Lynna
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. Grandma Malone
O. S. Shady Lady
O. S. Bonnie Diane
Clark Seafood
O. S. Capt. Jack
O. S. Capt. Ty
O. S. Proud Rebel
O. S. Seminole
O. S. Helen G.
O. S. Lady Hamilton III
O. S. Mar Del Norte
O. S. Robert R.
O. S. Mr. Bill
O. S. Mr. Robert
O. S. Miss Yo Yo
O. S. Judy Lee
O. S. Golden Dawn
O. S. Capt. Ari D.
O. S. The Gem
O. S. George C.
O. S. East Bank
O. S. Mashelyn
O. S. Blood and Guts
O. S. Roselle
O. S. Joseph
O. S. Capt. Lolo
O. S. Mister Charlie
O. S. Marlene F.
O. S. Sheryl Ann

Capt. Michael Forrester	O. S. Michael F.
Capt. Lawrence Gamble	O. S. Kay Lee II
Capt. Steve Garcia	O. S. Mrs. Raplee
Capt. Louis Grabowski	O. S. El Cobre
Capt. Troy Guilbeaux	O. S. Cajun Special
Capt. Leo Hardin	O. S. Miss Connie
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. Dennis Holly	O. S. Dennis Holly
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. Len Jones	O. S. Rosa
Capt. Nathan "Buck" Jones	O. S. Jean Ann
Capt. Leroy Kiffe	O. S. Debbie Ellane
Capt. Robert Kirkconnell	O. S. Manana
Capt. Leonard Kunefke, Jr.	O. S. Linda Gay
Capt. Buddy Lindley	O. S. Miss Teresa W.
Capt. Rene Lira	O. S. Cracker Box
Capt. Harry Long	O. S. Ray and Harry
Capt. Mike Lorraine	O. S. Jarrod and Jason
Capt. Laddie Matusek	O. S. Miss Jamie
Capt. Manuel Mello	O. S. Gulf Seas
Capt. Tom McGuinn	O. S. Barbara McGuinn
Capt. Gary Miller	O. S. Miss Darlene
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 Bo
Capt. Jim McMurrey	O. S. Gus III
Capt. Modesto Muniz	O. S. Sharon Kay
Capt. Jerry Murphy	O. S. Lady Hamilton Too
Capt. Raymond "High Pockets" Nead	O. S. Capt. Woody
Capt. Lupe Ochoa	O. S. Max
Capt. Vonnie Odom	O. S. Angie Lamonte
Capt. Owen Olano	O. S. Barbara Ann
Capt. Richard Ottino	O. S. J. Barr
Capt. Alan Pace	O. S. Mary M.
Capt. Joe Pack	O. S. Lady Cyleen
Capt. Bill Patterson	O. S. Robin Lee
Capt. Cotton Patterson	O. S. Betsy R.
Capt. Bobby Pendauvis	O. S. Sun Star
Capt. Chuck Peyregne	O. S. Capt. Elwood
Capt. Wayne Richey	O. S. Kelly Kay
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. Chevo Sanchez	O. S. Ruth Eileen
Capt. Rodney Sawyer	O. S. Lady Paige
Capt. Mike Smirtz	O. S. Spartan
Capt. George Sniedell	O. S. Coral Mist
Capt. Chris Steiner	O. S. Cynthia Diane
Capt. Jerry Steiner	O. S. Lady Frances

Capt. Bill Stockton
Capt. Tomas Torres
Capt. Tucker
Capt. Red Turner
Capt. Kinney Vandergrifft
Capt. James Via
Capt. Ben Watson
Capt. Terry Whitworth
Capt. Greg Williams
Capt. Lewis Williams
Capt. Franklin Wiseman
Capt. Jerry Wylie
Capt. Pee Wee Young
Capt. George Zac

O. S. Gus III
O. S. Cracker Box
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. Honey O
O. S. La Soy Como Soy
O. S. Lil Franklin
O. S. LaFourche
O. S. Doctor Bill
O. S. Tobacco Road

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

READING THE CHARTS

ex — READING THOUGHT TO BE EXACT

 — BROKEN BOTTOM

H — HOLE

TH — TOE HEAD

Wr — WRECK

R — ROCK

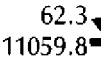
Cor — CORAL

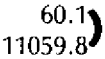
 — FATHOM

 — FEET

C — CAPPED WELL

App — APPROXIMATE

 — EXTENSION OF BAD BOTTOM 11059.8 THROUGH 11062.3

 — DIFFERENT READINGS OF THE SAME HANG (Confirmation)

 — QUESTIONABLE READING

 — ACTUAL LORAN C READING TAKEN, NOT A CONVERSION

 — UNCERTAIN DEPTH

11210

FATHOMS	19.9 - 19.0	18.9 - 18.0	17.9 - 17.0	16.9 - 16.0	15.9 - 15.0
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18				1216.6 (18) 23557.2	
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23	1219.4 (23) 23614.3				
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26					1215.6 (21) 23689.5
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11210

14.9 - 14.0	13.9 - 13.0	12.9 - 12.0	11.9 - 11.0	10.9 - 10.0	FATHOMS
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			11211.4 (18) 23560.6		18
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			11211.2 (27) 23710.7		27
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11200

FATHOMS	09.9 - 09.0	08.9 - 08.0	07.9 - 07.0	06.9 - 06.0	05.9 - 05.0
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23					11205.1 (23) 23599.2
24		S. End East Bank (Approximate Only)			
25	11209.7 (25) 23593.3		11207.9 (25) 23654.9		
26					
27					11205.9 (64) 23755.8
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32		11208.5 (32) 23775.5			
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11200

04.9 - 04.0	03.9 - 03.0	02.9 - 02.0	01.9 - 01.0	0.9 - 0.0	FATHOMS
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	203.9 (16) 23524.4				16
		1202.8 (17) 23534.2			17
					18
					19
			11201.1 (20) 23604.4	General R. Area ??	20
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11204.7 (164') 23746.2					27
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11190

FATHOMS	99.9 - 99.0	98.9 - 98.0	97.9 - 97.0	96.9 - 96.0	95.9 - 95.0
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13	11199.8 (14) 23497.0				
14	11199.6 (14) 23501.4			11196.5 (14) 23517.1	
15	11199.5 (14) 23500.0				
16					
17					
18					
19				General Area N. Side EAST BANK	
20				11196.9 (20) 23572.2	
21	11198.8 (21) 23580.0				
22	Approx. R Area ??	11198.2 (21) 23596.3			11195.3 (22) 23607.3
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24		11198.6 (24) 23649.8			
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11190

94.9 - 94.0	93.9 - 93.0	92.9 - 92.0	91.9 - 91.0	90.9 - 90.0	FATHOMS
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				11190.4 (13) 23489.9	13
11194.7 (14) 23496.5					14
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11194.9 (16) 23527.3					16
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		11192.2 (23) 23642.4			23
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11180

FATHOMS	89.9 - 89.0	88.9 - 88.0	87.9 - 87.0	86.9 - 86.0	85.9 - 85.0
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14	11189.7 (14) 23476.9				
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40			small		
41			11187.5 (41½) 23858.5		
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44				11186.4 (44) 23847.9	
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11180

84.9 - 84.0	83.9 - 83.0	82.9 - 82.0	81.9 - 81.0	80.9 - 80.0	FATHOMS
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					12
				11180.8 (13) 23468.5	13
				11180.5 (13) 23487.7	14
	11183.2 (15) 23498.8				15
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			11181.2 (29) 23756.5		29
			11181.1 (30) 23761.0		30
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11170

FATHOMS	79.9 - 79.0	78.9 - 78.0	77.9 - 77.0	76.9 - 76.0	75.9 - 75.0
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31		Approx Location Miss Ginger			
32		11178.2 (32) 2374 6.2			
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11170

74.9 - 74.0	73.9 - 73.0	72.9 - 72.0	71.9 - 71.0	70.9 - 70.0	FATHOMS
					1
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					4
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					9
					10
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					18
				11170.2 (19) 23520.2	19
					20
					21
					22
					23
	11173.8 (24) 23644.1				24
	11173.6 (25½) 23702.1				25
					26
					27
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					31
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11160

FATHOMS	69.9 - 69.0	68.9 - 68.0	67.9 - 67.0	66.9 - 66.0	65.9 - 65.0
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6					
7					
8					
9			11167.9 (9) 23448.5		
10					
11					
12					
13					
14		11168.7 (14) 23491.2			
15					
16					
17					
18					
19	11169.7 (19) 23537.3	11168.5 (19) 23526.0			
20					
21	11169.2 (21) 23569.5				
22					
23					
24					
25					
26	11169.4 (52) 23695.8				
27					
28			11167.6 (28) 23696.1		
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39	11169.2 (39) 23772.2				
40					
41					
42					
43					
44					
45					
46					
47					
48					
49			11167.5 (49) 23817.4	← Floyd's	Rock
50					

11160

64.9 - 64.0	63.9 - 63.0	62.9 - 62.0	61.9 - 61.0	60.9 - 60.0	FATHOMS
					1
					2
					3
					4
	11163.4 (5½) 23367.8				5
					6
					7
					8
					9
					10
					11
					12
					13
				11160.7 (14) 23487.7	14
					15
					16
					17
					18
					19
					20
11164.7 (21) 23557.2					21
					22
					23
					24
					25
					26
	11163.3 (27½) 23678.9				27
					28
					29
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					45
					46
					47
					48
Floyd's	Rock	11163.1 (49) 23791.0			49
					50

11150

FATHOMS	59.9 - 59.0	58.9 - 58.0	57.9 - 57.0	56.9 - 56.0	55.9 - 55.0
1					
2					
3					
4					
5					
6					
7	11159.9 ⑦ 23396.6				
8					
9					
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11					
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14					
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16					
17					
18					
19					
20					
21					
22			11157.7 ㉒ 23597.8		
23					
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43					
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46					
47					
48					
49					
50					

11150

54.9 - 54.0	53.9 - 53.0	52.9 - 52.0	51.9 - 51.0	50.9 - 50.0	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
					14
					15
					16
					17
					18
		11152.4 (19) 23527.4			19
					20
					21
					22
					23
					24
					25
					26
					27
					28
					29
					30
					31
					32
					33
					34
					35
					36
39 FATHOM BANK AREA					37
11154.0 (38) 23742.0		11152.0 (38) 23752.0			38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

11140

FATHOMS	49.9 - 49.0	48.9 - 48.0	47.9 - 47.0	46.9 - 46.0	45.9 - 45.0
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13			11147.2 (13) 23477.0		
14					
15					
16					
17					11145.5 (17) 23529.0
18				11146.4 (18) 23532.4	11145.3 (18) 23512.5
19	11149.3 (19) 23501.1				
20					
21					
22					
23					
24					
25					
26					
27					
28				11146.8 (28) 23653.3	
29					
30					
31					
32					
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42					
43					
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46					
47					
48					
49					
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11140

44.9 - 44.0	43.9 - 43.0	42.9 - 42.0	41.9 - 41.0	40.9 - 40.0	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
				11140.6 (62') 23431.2	10
					11
					12
11144.6 (13) 23496.6					13
					14
					15
					16
					17
					18
	11143.2 (19) 23528.7				19
					20
					21
					22
					23
					24
					25
					26
					27
					28
					29
					30
					31
					32
					33
					34
					35
					36
				11140.7 (37) 23738.6	37
					38
Black Fish Ridge (Approx)					39
11144.3 (40) 23761.8					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

11130

FATHOMS	39.9 - 39.0	38.9 - 38.0	37.9 - 37.0	36.9 - 36.0	35.9 - 35.0
1					
2					
3					
4					
5					
6					
7					
8					
9					
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11					
12					
13					
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39					
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41					
42					
43					
44					
45					
46					
47	IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF				
48	THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.				
49					
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11130

34.9 - 34.0	33.9 - 33.0	32.9 - 32.0	31.9 - 31.0	30.9 - 30.0	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
11137.3 (38) 23477.7					14
		11132.9 (34) 23504.8			15
	11133.6 (16) 23491.6				16
					17
		11132.0 (18) 23534.8			18
					19
					20
					21
					22
					23
					24
					25
					26
					27
					28
	11133.5 (29) 23686.6				29
					30
					31
					32
		Ranzell's Rock			33
11134.3 (34) 23725.9 SMALL ADAM		11132.4 (35) 23838.8			34
					35
B.6 Adam (Approx Area)					36
11135.1 (37) 23743.6					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF					47
THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.					48
					49
					50

11120

FATHOMS	29.9 - 29.0	28.9 - 28.0	27.9 - 27.0	26.9 - 26.0	25.9 - 25.0
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13	11129.4 (13) 23459.2				
14					
15					
16					
17	11129.2 (17) 23545.1				
18					
19					
20					
21					
22					11125.8 (23) 23633.0
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	IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF				
48	THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.				
49					
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11120

24.9 - 24.0	23.9 - 23.0	22.9 - 22.0	21.9 - 21.0	20.9 - 20.0	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
					14
					15
					16
				⊕11120.0 (7) 23586.0	17
					18
					19
11124.4 (20) 23594.5					20
					21
					22
					23
					24
				11120.3 (23) 23700.4	25
					26
					27
					28
					29
					30
					31
					32
					33
					34
					35
					36
					37
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					42
					43
					44
					45
					46
IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF					47
THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.					48
					49
			11121.2 (58) 24093.1		50

11110

FATHOMS	19.9 - 19.0	18.9 - 18.0	17.9 - 17.0	16.9 - 16.0	15.9 - 15.0
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23			11117.7 (140') 237x2.0		
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
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42					
43					
44					
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46					
47	IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF				
48	THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.				
49					
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11110

14.9 - 14.0	13.9 - 13.0	12.9 - 12.0	11.9 - 11.0	10.9 - 10.0	FATHOMS
					1
					2
					3
					4
					5
					6
					7
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					28
					29
					30
					31
		⊕ 11112.0 (32) 23955.5			32
					33
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					44
					45
					46
IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF					47
THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.					48
					49
					50

11100

FATHOMS	09.9 - 09.0	08.9 - 08.0	07.9 - 07.0	06.9 - 06.0	05.9 - 05.0
1					
2					
3					
4					
5					
6					
7					
8					
9			11107.0 (9) 23530.4	11106.5 (9) 23531.2	11105.7 (9) 23501.0
10					
11					
12					11105.6 (14') 23590.1
13			11107.0 (13) 23605.8		
14		11108.4 (14) 23671.9			
15					
16					11105.2 (14) 23689.2
17					
18					
19					
20					
21					
22				11106.3 (22) 23815.6	
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
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41					
42					
43					
44					
45					
46					
47	IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF				
48	THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.				
49					
50					

11100

04.9 - 04.0	03.9 - 03.0	02.9 - 02.0	01.9 - 01.0	00.9 - 00.0	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
				Approx. Area 4 Leaf Clover	14
				11109.9 (5) 23596.4	15
					16
11104.5 (17) 23700.2		11102.4 (17) 23771.0			17
11104.4 (18) 23773.8					18
					19
					20
					21
					22
					23
					24
					25
					26
					27
					28
					29
					30
					31
					32
					33
	11103.7 (34) 24013.7				34
					35
					36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF					47
THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.					48
					49
					50

11090

FATHOMS	99.9 - 99.0	98.9 - 98.0	97.9 - 97.0	96.9 - 96.0	95.9 - 95.0
1					
2					
3					
4					
5					
6					
7					
8					
9					
10				Approx. Location Valley Dam	
11				11096.1 (68) 23690.1	
12					
13					11095.0 (13) 23754.0
14	11099.9 (86) 23700.0				
15					
16	11099.8 (98) 23791.1				11095.2 (16) 23825.0
17					11095.7 (17) 23856.7
18			11097.1 (8) 23860.5		11095.8 (17) 23864.5
19					
20					
21					
22					
23					
24					
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32					
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41					
42					
43					
44					
45					
46					
47	IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF				
48	THE BOOK UTILIZING THE 23.000 LINE - X SECONDARY - FOR CATALOGUING.				
49					
50					

11090

94.9 - 94.0	93.9 - 93.0	92.9 - 92.0	91.9 - 91.0	90.9 - 90.0	FATHOMS
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
	⊕11093.8 (14) 23822.4		⊕11091.6 (14) 23819.4	⊕11090.7 (14) 23856.0	14
					15
					16
					17
					18
					19
					20
					21
					22
					23
					24
					25
					26
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					40
					41
					42
					43
					44
					45
					46
IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF					47
THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.					48
					49
					50

11080

FATHOMS	89.9 - 89.0	88.9 - 88.0	87.9 - 87.0	86.9 - 86.0	85.9 - 85.0
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11		11088.7 ⑪ 23785.8			
12		11088.2 ⑫ 23798.4			
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
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33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47	IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF				
48	THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.				
49					
50					

11080

84.9 - 84.0	83.9 - 83.0	82.9 - 82.0	81.9 - 81.0	80.9 - 80.0	FATHOMS
					1
					2
					3
					4
					5
					6
	11083.2 (7) 23866.1			11080.6 (7) 23852.3	7
					8
			11081.8 (54) 23875.4		9
					10
					11
					12
					13
					14
					15
					16
					17
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					38
					39
					40
					41
					42
					43
					44
					45
					46
IF CROSS READING IS GREATER THAN 23800, REFER TO THE PORTION OF					47
THE BOOK UTILIZING THE 23,000 LINE - X SECONDARY - FOR CATALOGUING.					48
					49
					50

23800

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				23832.9 (9) 11081.9	
10					
11					
12					
13					
14		23819.4 (14) 11091.6	23822.4 (14) 11093.8		
15					
16					
17					
18					
19					
20					
21					
22		23815.6 (22) 11104.3			
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34				RANZELL'S ROCK	
35				23838.8 (35) 11132.4	
36					
37					
38					
39					
40					
41					
42					
43					
44					23847.9 (44) 11186.4
45					
46					
47					
48		FLOYDS ROCK			
49	←	23817.4 (49) 11167.5			
50					

23800

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
23852.3 (7) 11080.1	23866.1 (7) 11083.2		23884.9 (7) 11077.5		7
		23871.4 (8) 11079.7			8
		23875.4 (5) 11081.8			9
					10
23853.5 (11) 11084.9					11
			23881.3 (12) 11084.0		12
				DUP. 23890.9 (20) 11085.6	13
23856.0 (14) 11090.7				23890.9 (14) 11089.6	14
					15
	23865.0 (16) 11095.6				16
23856.7 (19) 11095.7	23864.5 (17) 11095.8				17
	23860.5 (18) 11097.1				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 (30) 11112.2			30
					31
					32
					33
					34
					35
					36
					37
					38
					39
				SMALL	40
				23858.5 (41½) 11187.5	41
					42
					43
					44
					45
					46
					47
					48
					49
					50

23900

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3					
4					23948.3 (4) 11073.9
5					
6					
7					
8				23932.4 (8) 11075.7	
9					
10					
11			23921.1 (11) 11083.8		23948.2 (11) 11080.0
12	23907.5 (74') 11081.7			23934.4 (12) 11081.6	23945.4 (12) 11082.3
13					
14					
15					
16					23946.6 (16) 11092.1
17					
18					23946.1 DR. (18) 11091.2
19					
20		23911.7 (20) 11093.9			
21					
22					
23					
24				23936.8 (144') 11099.1	
25					
26					
27					
28					
29					
30					
31					
32					
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38					
39					
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43					
44					
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46					
47					
48					
49					
50					

23900

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
				23999.5 (8) 11078.9	8
					9
					10
23953.1 (11) 11079.9		23979.7 (11) 11076.9		23998.9 (11) 11089.2	11
				23994.2 (12) 11081.5	12
23951.3 (18) 11084.8		23976.8 (13) 11082.4			13
					14
					15
					16
					17
			23988.7 (07) 11090.9		18
					19
					20
					21
					22
					23
			23987.3 (24) 11100.0		24
					25
					26
					27
					28
					29
		23979.6 (30) 11104.1			30
					31
23955.5 (32) 11112.0					32
					33
					34
					35
					36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

24000

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3					
4					
5				24035.5 (5½') 11068.3	
6					24040.8 (C) 11070.7
7	- Wc				
8	24000.3 (8) 11073.4				
9					
10	24000.7 (10) 11079.5				
11					
12					
13					
14					
15		24015.6 (15½') 11085.4			24048.0 (15) 11083.4
16		24019.4 (94') 11083.4			
17					
18					
19					
20					
21					
22					
23					
24					
25					
26			24022.9 (160') 11097.6		
27					
28					
29					
30					
31					
32					
33					
34		24013.7 (34) 11103.7			
35					
36					
37					
38					
39					
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45					
46					
47					
48					
49					
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24000

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
			24089.5 (7) 11067.7		7
					8
					9
					10
					11
					12
					13
		24078.0 (14) 11079.9			14
					15
					16
					17
				24092.0 (18) 11086.6	18
					19
					20
				24096.6 (21) 11090.2	21
					22
					23
					24
					25
					26
					27
					28
		Approx. Area Big Southern			29
		24079.6 (30) 11111.8 ↔	24082.9 (30) 11110.2		30
		225'	235'		31
					32
					33
					34
					35
					36
					37
		24072.9 (38) 11105.2			38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					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					
2					
3					
4					
5					
6			Lyon L. Hudson ?		
7			24126.0 (7) 11066.8		
8					
9					24140.6 (9) 11070.1
10	24107.3 (10) 11073.1				24140.0 (10½) 16782.0
11					
12					
13		WS			
14		24118.3 (14) 11080.4			
15					24142.0 (15) 11080.0
16					
17					
18					
19					
20					
21	24101.3 (21) 11088.0				24145.2 (21) 11089.7
22					
23					
24					
25					
26					
27		24116.0 (27) 11095.0			
28					
29					24144.3 (29) 11095.0
30					
31					
32					
33					
34				Hospital (Approx.)	
35				24135.4 (35) 11102.6	
36					
37					
38					
39					
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46					
47					
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24100

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
					7
		24175.9 (8) 11067.9			8
					9
					10
				⊕ 24190.5 (1) 11074.8	11
					12
					13
					14
					15
					16
					17
					18
					19
					20
					21
					22
					23
					24
				⊕ 24196.1 (25) 11089.4	25
					26
					27
					28
					29
					30
24153.9 (31) 11102.8		R ⊕ 24178.0 (32) 11103.5			31
					32
					33
					34
					35
					36
					37
					38
	Arizona Bank (Approx)				39
24156.9 (40) 11110.5	24165.5 (40) 11110.4				40
					41
					42
					43
					44
24151.4 (45) 11110.6					45
					46
			24186.7 (47) 11110.5	⊕ 24196.1 (47) 11109.9	47
					48
					49
					50

24200

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3					
4				24231.3 (4 3/4) 11062.2	
5	24207.2 (4 3/4) 11063.5			24233.9 (4 3/4) 11063.0	
6					
7					
8					
9					
10					
11					
12					
13					24242.9 (13) 11074.2
14					
15					24243.5 (15) 11076.0
16				24233.2 (16) 11081.1	
17			24223.0 (17) 11081.7	24233.7 (17) 11081.1	
18			24229.7 (18) 11082.0		
19					
20					
21					
22					
23					
24					
25		24213.0 (25) 11087.4			
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					24237.9 (39) 11102.2
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

24200

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
		24277.6 (5) 11062.5			5
				24293.2 (6) 11063.6	6
					7
					8
					9
			24289.4 (0½) 11067.7		10
					11
					12
					13
					14
24257.0 (13) 11076.6			24287.1 (15) 11075.7		15
					16
					17
					18
		24278.0 (19) 11082.3			19
24255.1 (20) 11084.0		24270.0 (19) 11083.4			20
					21
					22
					23
					24
					25
					26
					27
					28
					29
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					46
					47
					48
					49
					50

24300

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
5	24300.0 (5) 11060.4	24317.6 (5¼) 11109.9			24347.9 (5¾) 11061.1
10			24328.0 (10½) 11067.8		
11			24326.8 (11) 11068.7		
12	24309.0 (8) 11072.9	24310.0 (12) 11072.0		24334.6 (12) 11069.4	
13	24303.0 (13) 11073.0			24337.6 (12) 11071.1	24343.2 (13) 11071.9
14				24336.7 (13) 11072.0	
15					24345.0 (15) 11076.0
16		1.3 .7			24343.1 (15) 11076.8
17		24313.0 (17) 11079.0			24347.0 (16) 11076.5
31					24347.6 (31) 11098.3
42	24302.7 (42) 11102.6				

24300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
				24385.4 (3 3/4) 11058.6	3
					4
24353.6 (5) 11060.3		24373.3 (5 1/4) 11059.5		24397.3 (5 3/4) 11060.0	5
	24363.1 (6 3/4) 11063.8	24377.3 (5 3/4) 11059.5			6
	24363.6 (7 1/2) 11063.0				7
		24373.1 (8) 11063.8			8
					9
					10
		24376.0 (12) 11068.3	24388.2 (11) 11067.7	24398.9 (11) 11068.3	11
		24375.0 (12) 11069.1			12
		24373.0 (13) 11070.0			13
24358.8 (14) 11075.7		24371.6 (14) 11071.1			14
		24372.0 (14) 11072.4			15
	24361.6 (16) 11078.3	24375.7 (15) 11075.7			16
					17
					18
					19
					20
					21
					22
					23
					24
					25
	Oil Rig on Bottom				26
	24360.7 (27) 11088.9				27
					28
					29
(Approximate)					30
24362.2 (31) 11099.3				24397.7 (31) 11097.7	31
					32
					33
					34
					35
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					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

24400

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3					
4					
5	24400.5 (5 3/4) 11060.5				
6					
7					
8		8.3			
9		24419.9 (9) 11064.0			
10					
11	24408.8 (11) 11066.6	10.3 24411.2 (11) 11066.2			
12			20.1 24422.4 (12) 11068.2 .4		24450.5 (3) 11068.0
13	09.8 24400.5 (13) 11070.6 1.6	24412.6 (13) 11069.7	24424.6 (13) 11069.8	24431.8 (2 3/4) 11069.3	24447.0 (13) 11068.4
14		24411.9 (13) 11070.4 .6	3.6 71.6		24446.5 (13) 11070.5
15		24410.0 (13) 11071.4 2.0			
16					
17		24417.3 (17) 11080.0			
18					
19					
20					
21			24429.9 (21) 11082.0		
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32			Big Dunn BAR		Little Dunn Bar
33			24425.5 (33) 11097.8		24440.1 (33) 11097.6
34					
35					
36			20.2 R 98.0		
37			24424.0 (37) 11097.0		
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49		46724.4			
50		24413.6 (68) 11115.6			
		70666.4			

24400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
		24473.2 (2) 11057.6			2
					3
					4
		24476.4 (5) 11061.0			5
					6
					7
		24472.9 (8/4) 11061.0			8
					9
					10
					11
24450.6 (13) 11067.9 (5 8.0 8.1)					12
24458.0 (13) 11068.5				24494.6 (13) 11071.1 (9.0 .6)	13
24457.8 (13) 11068.3			24487.5 (14) 11072.0	24493.7 (14) 11074.3	14
					15
					16
					17
	24465.0 (18) 11078.5				18
					19
					20
					21
					22
					23
					24
24454.0 (25) 11086.6					25
					26
					27
					28
					29
	BAD MUD				30
	24465.4 (31/4) 11094.0				31
					32
		24473.7 (33) 11098.6			33
					34
					35
					36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

24500

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3					
4					24545.77 (4¾) 11053.2
5					
6		24515.0 (6) 11055.3			
7					
8					
9					
10					
11					24540.5 (11) 11063.17
12		24518.21 (13) 11068.23	24521.2 (12) 11065.2	24530.2 (12) 11065.2	24541.23 (11) 11063.98
13	24508.9 (13) 11069.2	24512.3 (13) 11069.3	24527.0 (12) 46808.3		
14		24511.1 (14) 11071.9	24525.0 (14) 11073.3		
15	24509.5 (15) 11075.5				24540.35 (15) 11076.21
16	24505.8 (16) 11075.15				
17					
18					
19					
20					
21					
22					
23	24505.8 (23) 11086.1				
24					
25					
26					
27					
28					
29					24541.8 (29) 11094.1
30					
31	MAY BE ANCHOR 24509.0 (31) 11096.9		24525.7 (31) SMALL 11095.6		
32					
33		24513.3 (33) MISS ARGUERS 11101.0		24531.5 (33) SMALL 11103.3	
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

24500

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
24557.0 (4¾) 11053.2					3
24557.0 (4¾) 11054.6			24587.8 (4) 11053.2	24593.1 (4) 11054.1	4
24554.5 (5¾) 11056.1		24575.0 (5) 11055.0	24587.5 (5) 11054.9	24597.5 (5) 11054.6	5
	24567.3 (6½) 11056.2		24584.9 (6) 11055.7		6
	24562.2 (7½) 11057.2	24573.5 (7) 11057.7	24589.5 (6) 11056.1		7
	24565.6 (7½) 11058.0		24585.7 (6) 11056.4		8
	24563.9 (9) 11058.1	24570.0 (9) 11057.9		24595.5 (9) 11059.7	9
	24561.7 (10) 11061.1	24579.2 (10) 11060.7	24589.6 (10) 11061.0		10
24552.0 (11) 11064.9	24564.5 (10) 11061.3	24574.0 (11) 11063.7	24583.1 (10) 11061.2		11
		24571.0 (12) 11067.2	24580.8 (12) 11064.9	24591.0 (12) 11065.6	12
24550.6 (13) 11070.6	24563.9 (13) 11068.1		24583.4 (12) 11066.5		13
		24571.8 (14) 11077.4	24588.6 (13) 11072.2		14
					15
					16
	24567.0 (17) 11077.1	LIBERTY SHIP 24576.0 (17) 11078.6			17
		24577.0 (17) 11078.9			18
	24569.1 (19½) 11081.7		24588.5 (19) 11081.9		19
					20
	24568.0 (21) 11083.3				21
					22
	24563.2 (23) 11087.0		24587.9 (23) 11089.1		23
					24
					25
					26
					27
			24584.0 (27) 11092.3		28
					29
			24583.5 (29) 11096.3		30
					31
	24568.2 (31) 11099.5				32
					33
24551.5 (33) 11103.3	24564.3 (33) 11106.5		24586.5 (33) 11105.6		34
					35
					36
					37
					38
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					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50

24600

FATHOMS	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9
1					
2					
3					
4		24611.8 (4) 11053.8			
5		24616.6 (5) 11054.6			
6					
7		24616.1 (7) 11056.9	24620.3 (1) 11056.1		
8			24629.9 (8) 11057.4	24638.0 (8) 11057.0	
9				24630.0 (9) 11057.6	
10		24615.8 (10) 11059.6	24626.0 (10) 11059.5	24637.2 (9) 11058.8	
11			24624.0 (10) 11060.4		24649.6 (11) 11063.5
12		24618.0 (12) 11068.8	24629.6 (11) 11062.6		24645.0 (12) 11066.1
13			24625.5 (12) 11065.5	24634.7 (30) 11068.3	24641.4 (13) 46807.6
14	24608.0 (14) 11073.1		24624.6 (13) 11069.5		
15			24626.3 (13) 11070.0		
16					
17					24647.0 (17) 11077.8
18					
19		24619.5 (19) 11080.2			
20					
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	24635.0 (26) 11093.7	24643.5 (26) 11094.2
27					
28					
29					
30					
31		24616.0 (31) 11097.6			
32				24631.3 (32) 11101.1	
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43				WRECK 46738.0 24638.0 (13) 11114.0	
44					
45					
46					
47					24646.7 (47) 11119.6
48				24631.5 (47) 11120.0	
49					
50					

24600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
24650.0 (X) 11052.5			24689.8 (X) 11052.9		2
			24684.0 (X) 11052.9		3
24657.0 (4¾) 11053.2			24684.2 (X) 11053.3		4
24654.9 (5) 11053.6			24689.1 (6) 46838.2		5
24650.6 (6) 11055.2		24691.8 (6) 11054.9			6
			24686.3 (9) 11057.0		7
					8
24653.9 (9) 11058.7		24670.0 (9) 11057.5		24692.1 (9½) 11061.0	9
24658.0 (10) 11061.1		24675.5 (10) 11059.0	24686.2 (10) 11059.5		10
	24660.0 (12) 11067.8		24686.0 (10½) 11061.7		11
	24666.7 (12) 11068.5	24672.4 (12) 11067.5	24683.4 (12) 11065.1		12
	24662.9 (13) 11069.9		24687.97 (13) 11069.55		13
	24669.65 (14) 11072.1		24688.6 (15) 11075.6 BROUGHT	24692.8 (14) 11073.4	14
		24676.4 (15) 11075.7	24684.2 (15) 11075.7	24694.9 (15) 11074.9	15
			24684.4 (16) 11076.0 DROP	24697.2 (16) 11076.1	16
		24674.1 (17) 11079.0		24693.3 (17) 11076.4	17
			24684.0 (18) 11079.7	24694.2 (18) 11076.8	18
	24660.6 (19) 11082.1				19
	24664.4 (20) 11083.4				20
	24669.6 (21) 11084.4		24686.4 (21) 11084.9		21
					22
24654.0 (23) 11089.5					23
			24684.9 (24½) MOVEABLE 11092.0		24
24651.0 (25) MOVEABLE 11096.4	24662.9 (25) 11090.20			24690.8 (25) 11092.1	25
					26
			24683.7 (27) 11095.5		27
					28
			24689.9 (29) WRECK 11100.2		29
					30
					31
					32
24658.5 (33) 11101.9					33
					34
		24670.3 (35) CORAL 11109.1			35
		24679.3 (36) WRECK 11113.3			36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
				24691.5 (50) 11120.5	50

24700

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1				24732.4 (X) 11051.7 Rig Debris	
2					
3					
4		24718.6 (4½) 11052.8	ANCHOR 24729.0 (4½) BUOY 11052.8	24734.6 (4) 11052.6	
5					
6				24732.2 (6) 11054.2	24740.0 (6) 11053.4
7					
8					24746.2 (8) 11057.2
9	24701.2 (9) 11057.8		24722.0 (9) 11057.4	24734.2 (9) 11059.0	
10	24705.2 (10) 11061.1	24716.3 (10) 11059.3	24728.6 (10½) 11061.1		
11	24703.3 (11) 11062.2				
12	24702.4 (12) 11064.4	24712.7 (13) 11071.7	24729.0 (12) 11068.1		24742.0 (12) 11068.0
13	24707.7 (13) 11072.7	24713.0 (13) 11072.1		24739.9 (14) 11069.8	24745.8 (13) 11070.76
14	24700.0 (14) 11074.0	24714.9 (13) 11072.6		24739.3 (14) 11073.2	24742.0 (13) 46811.9
15		24712.9 (15) 11075.1			
16					
17					
18		24718.6 (18) 11086.8		24730.4 (18½) 11092.3	
19		24710.8 (19) 11081.8			
20					24740.0 (20) 11082.85
21					
22					
23					24742.3 (23) 11091.0
24					
25	24704.0 (25) 11090.7				
26					
27					
28					
29				24730.9 (29) 11102.5	
30					
31					
32		24716.9 (32) 11106.4			
33					
34					
35					
36					
37					
38					
39			24721.9 (39) 11114.4		
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

24700

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
	24766.4 (5 3/4) 11052.3				5
			24780.5 (6) 11054.5		6
					7
		24778.0 (9) 46932.0			8
	24768.8 (9) 11058.6			24797.3 (9 4) 11058.1	9
		24777.8 (9) 11059.8			10
24751.0 (11) 11061.1					11
	24767.7 (12) 11065.0	24776.0 (12) 11067.7		24796.4 (13) 11069.0	12
24756.3 (13) 11071.4	24766.9 (13) 11071.6	24775.0 (13) 11070.5	24789.2 (13) 11069.5	24798.5 (13) 11069.9	13
	24761.0 (13) 11071.6		24787.6 (13) 46815.3		14
					15
				24791.8 (16) 11077.9	16
	24767.0 (17) 11078.1				17
					18
	24760.5 (19) 11051.0				19
					20
					21
					22
		24772.3 (23) 11092.1			23
					24
					25
					26
					27
					28
		24774.8 (29) 11100.0	24789.5 (29) 11100.7		29
					30
					31
					32
	24760.0 (33) 11108.0				33
					34
					35
					36
					37
					38
					39
					40
	Under Wreck 24766.4 (41) 11121.0				41
					42
					43
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					45
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					48
					49
					50

24800

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3					
4				24831.4 (4½) 11052.1	
5					
6					
7					
8	24804.8 (8) MUD HOLE 11057.3		24825.9 (8) 11057.8		
9	24805.0 (9) JUNK 11057.8				
10	24801.9 (9) 11058.9		24826.0 (10) 11059.6		24842.0 (10½) 11060.3
11	24802.0 (9) JUNK RIG 11059.2			24833.0 (11) 11062.5	
12			24826.8 (12) 11065.8	24833.0 (12) 11066.5	
13	24800.0 (13) 11068.0		24820.0 (14) 11073.0		
14	24805.0 (14) 11069.0		24825.0 (14) 11075.8		24845.4 (14) 11072.2
15					
16					
17				24830.7 (17) 11080.3	
18			24827.0 (18) 11083.0	24839.0 (112) 11092.4	
19			24828.0 (18) 46798.2		
20					
21	24804.0 (21) 11086.6		24828.0 (21) 11087.0		
22					
23					
24				24831.2 (24) 11095.3	
25					
26					
27					24840.0 (27) 11102.5
28	CHEROKEE 24804.5 (28) 11099.7				
29					
30					
31					
32					
33					
34				24838.6 (34) 11111.5	
35	24805.8 (35) 11111.1				
36					
37	24809.5 (37) 11113.9				
38					
39					
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41					
42					
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47					
48					
49					
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24800

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
		24879.6 (3) 11051.5	24888.2 (3) 11051.1		2
	24863.7 (4) 11051.3	24871.6 (3) 11051.[illegible]	24882.0 (3) 11051.6 (3.0) (.5)		3
	24866.8 (4) 11051.7	24871.7 (4) 11052.0			4
	24866.3 (.4) (4) 11052.1 (.0)				5
					6
					7
		24871.3 (8) 11056.7			8
24853.0 (9) 11058.9		24870.4 (9) 11058.5	24881.1 (9½) 11058.1		9
24853.9 (11) 11061.3			24880.0 (10½) 11060.4		10
24853.6 (11) 11062.3	24868.0 (11) 11061.2			CABLE 24893.8 (11) 11063.5	11
24854.9 (12) 11065.3					12
					13
24854.7 (14) 11074.6			24887.4 (14) 11076.6		14
			24889.4 (15) 11077.6		15
					16
					17
					18
		77.0 Pipeline 83.0 24876.3 (19) 11082.8			19
24850.0 (20) 11084.8					20
			24881.1 (21) 11087.4		21
					22
					23
		24871.5 (24) 11095.2			24
	24865.0 (25) 11097.5				25
					26
			24887.1 (27½) 11099.8		27
					28
					29
					30
					31
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24900

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3	24908.5 (3¾) 11051.7			24937.5 (3¾) 11050.8	
4				24930.8 (4) 11051.1	24946.5 (4¼) 11051.8
5					24940.0 (4¼) 11053.0
6			24928.6 (6) 11053.8		
7	24908.9 (7) 11055.6	24911.9 (7½) 11055.4 Wreck			
8				24934.6 (9) 11058.0	
9	24904.0 (9) 11058.4			24937.8 (9) 11059.2	
10		24912.0 (10) 11060.3	24922.0 (10¼) 11063.2		
11		24916.6 (10½) 11062.4			
12					
13					
14		24913.0 (15) 11073.1			
15		24918.9 (15) 11076.0	24920.5 (15) 11076.7		
16		24919.9 (15) 11076.6 MAY BE MUD			
17	24908.0 (11) 11079.8 PIPELINE	24915.4 (15) 11076.9			
18	46821.4 64039.8	24919.6 (15) 11077.0	24925.7 (18) 11082.0		
19	24909.5 (19) 11084.7				
20					
21				24939.5 (21) 11087.4	
22					
23					
24					
25	24902.8 (25) 11094.6	SLAB ?	24928.9 (25) 11094.0		
26					
27		24916.8 (27) 11100.0			
28				24936.1 (28) 11105.1 Michael Linnood	
29					
30		24918.9 (30) 11106.2			
31		24918.9 (30) 11112.6			
32			(30 FATHOM ROCK - APPROXIMATE AREA)		
33		24938.1 (33) 11108.1		24938.13 (33) 11108.1	
34					
35					
36					
37					
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24900

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
				24998.0 (6¾) 11054.8	6
				24990.6 (7) 11054.7	7
		24978.0 (8) 11057.0			8
24953.0 (9) 11058.5	24963.0 (9) 11057.8	24995.0 (8) 11057.5			9
					10
24952.9 (11) 11064.8					11
					12
		24974.9 (13) 11065.6		24992.0 (13) 11066.8	13
		24972.9 (14) 11067.2	24986.0 (17) 11069.2	24993.2 (14) 11068.2	14
24953.0 (15) 11076.9		24970.8 (72.8) (15) 11073.5 (3.6)			15
		24970.0 (15) 11075.0 (74.8)			16
				24998.0 (17) 11080.6 (est.)	17
	24965.9 (18) 11081.3		24981.6 (18) 11083.9	24998.0 (17) 11081.8	18
			24980.2 (2.4) (19) 11084.0 (2.1)		19
					20
	24966.2 (21) 11086.0			24998.2 (21) 11087.6	21
					22
					23
				24993.4 (24) 11095.4	24
					25
					26
					27
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25000

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3					
4		25014.3 (4) 11051.7		25036.1 (4½) 11049.8	25042.8 (5) 11052.7
5					25040.8 (6) 11052.2
6					25042.2 (8) 11053
7	25006.0 (7½) 11056.6			25031.9 (7½) 11056.5	25047.9 (7) 11053.5
8				GULF KING 33 25038.7 (8) 11052.0	25048.5 (7½) 11054.2
9					25041.0 (9) 11059.6
10					
11					
12					
13		25013.0 (13) 11066.0			
14					
15		25015.0 (15) 11074.0			25049.0 (16) 11077.8
16	25002.0 (16) 11075.5	25010.0 (15) 11074.5	25020.0 (16) 11078.4	25033.6 (14) 11075.6	25041.0 (16) 11078.6
17	25000.0 (17) 11080.8				Hole 25049.3 (17) 11079.8
18					
19		25012.7 (19) 11086.3		25034.5 (19) 11084.1	
20					Coral Hole 25041.7 (20) 11087.6
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		25037.3 (24) 11094.8	
24				25033.9 (24) 11096.0	25042.8 (24) 11099.6
25			25026.8 (25) 11095.1	W 24.9 25033.2 (25) 11099.6	
26		25018.0 (26) 11101.6		25032.8 (25) 11099.6	
27				25030.7 (27) 11097.8	25049.2 (27) 11104.4
28					
29					
30					
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47					
48					
49					
50					

25000

50 - 59.9	60 - 69.9	70 - 79.9	80 - 89.9	90 - 99.9	FATHOMS
					1
			25082.9 ② 11048.8		2
25051.0 ② 11049.0 25056.1 ③ 11050.0		We are from beach 25071.5 ③ 11049.0			3
25054.1 ④ 11050.1	25067.5 ④ 11049.4	25074.0 ④ 11049.1	25080.0 ④ 11048.0	25090.0 ④ 11048.0	4
25054.0 ⑤ 11050.5	25069.6 ⑤ 11050.8	25079.3 ⑤ 11050.8	25081.0 ④ 11048.9		5
25054.0 ⑦ 11053.3		25070.0 ⑤ 11050.9	25089.5 ⑤ 11051.2	25096.0 (6¼) 11050.6	6
25050.0 (7¼) 11054.4			25080.9 ⑥ 11051.4	25099.3 ⑧ 11053.3	7
25054.2 ⑧ 11054.2	25068.9 ⑧ 11056.3		25086.3 ⑥ 11051.4	25094.4 ⑧ 11054.2	8
25055.2 ⑨ 11054.1	25063.0 ⑨ 11056.8		25087.4 ⑥ 11056.2	25094.9 ⑧ 11054.6	9
	25064.5 (10½) 11061.2				10
					11
25056.5 ⑫ 11066.3				25099.0 (12) 11064.4	12
					13
25059.8 ⑭ 11068.8	25068.0 ⑭ 11068.3	25071.7 ⑭ 11071.3		RUBBER HOSE 25097.0 ⑭ 11069.3	14
25056.0 ⑭ 11069.8	25063.7 ⑯ 11072.7				15
25057.0 ⑯ 11074.1	25060.0 ⑯ 11074.2				16
25053.3 (16½) 11077.8	wreck 25066.0 ⑭ 11078.6				17
25051.0 ⑰ 11079.8	25062.1 ⑰ 11078.2			25099.0 ⑱ 11080.2	18
25057.2 ⑰ 11080.5			25085.5 ⑲ 11084.9	25095.0 ⑲ 11085.6	19
					20
		25078.9 ㉑ 11089.4			21
	25064.7 ㉒ 11094.9	25071.5 ㉑ 11099.0			22
					23
					24
25059.9 ㉕ 11098.7			SNAKE P.T 25087.7 ㉕ 11102.6		25
					26
			25085.0 ㉗ 11103.2	W. 27's →	27
					28
					29
					30
					31
					32
					33
					34
					35
					36
					37
					38
					39
					40
					41
					42
			25089.0 ㊸ 11121.8		43
					44
					45
					46
					47
					48
					49
					50

25100

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3					
4				25138.9 (4) 11049.9	
5	25100.2 (5) 11050.2	25111.5 (3) 11049.8 50.3	25123.4 (5) 11049.3	25138.4 (5A) 11049.7 6.0 3	
6	25101.7 (6) 11052.0	25118.4 (5A) 11050.6 25110.1 (6) 11053.0			
7		25115.0 (7) 11054.0			
8	25104.0 (8) 11054.1	25116.3 (8) 11055.4	25126.0 (8) 11054.8	25132.0 (8¾) 11057.0	
9	25103.0 (9) 11055.4	25115.2 (9) 11054.5	25125.1 (9) 11055.1 5	25132.0 (9) 11055.8 9.9	25141.6 (9) 11059.2
10	25100.5 (10) 11057.6	25112.0 (10¼) 11061.0		25139.0 (10¼) 11058.6	25147.2 (9) 11060.3
11	25105.0 (10½) 11060.0				
12	25100.0 (12) 11064.9				
13	25101.3 (13) 11065.4	25110.9 (13) 11066.2			
14					
15					25144.8 (15) 46835.1
16					
17		25112.0 (17) 11075.9			
18	25106.5 (18) 11080.2	25112.8 (18) 11081.8			
19	25102.9 (19¾) 11089.2	25118.0 (18) 11082.6		LADY ANN ? 25133.5 (19) 11092.3	25147.2 (19) 46802.9
20			25127.0 (20) 11090.3		
21					
22					
23					
24					25149.9 (24) 11104.0
25					
26	HOLE 25103.8 (27) 11103.3	25115.73 (27) 11105.67			
27	W. 27's →	25116.1 (27) 11106.2			
28				HOLE 25136.6 (28) 11109.0	
29					
30		E. SOF ROCK 25111.9 (30) 11112.1			
31					
32	25100.2 (32) 11113.4	25113.2 (32) 11114.3			
33					
34					
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50					

25100

50 - 59.9	60 - 69.9	70 - 79.9	80 - 89.9	90 - 99.9	FATHOMS
	⊕ 25167.7 (1) 11047.0				1
			⊕ 25189.0 (2) 11046.9		2
					3
				⊕ 25198.7 (4) 11049.3	4
			⊕ 25185.9 (6) 11050.6		5
		⊕ 25170.3 .6) (6) 11050.3	⊕ 25182.6 3.3) (6½) 11051.6		6
					7
		⊕ 25170.2 .3) (8) 11053.8 .3)		West Bank 25195.1 (8) 11053.6	8
			⊕ 25184.7 (9) 11058.9		9
	⊕ 25166.7 (10) 11055.6				10
					11
		Wreck 25175.3 (12) 11064.2			12
		⊕ 25174.2 (13) 46842.9			13
					14
		25175.8 (15) 11071.9	⊕ 25184.0 (15) 46832.8		15
	⊕ 25165.0 (18) 11077.4				16
	25165.2 (18) 11088.9		⊕ 25186.6 .0) (17½) 11085.0 Outlook Wr.		17
	25169.2 (18½) 11090.9	⊕ 25172.0 (18) 11079.7	25184.1 (17) 11090.7		18
	⊕ 25162.0 (19) 11080.0	25171.0 (19) 11086.1	⊕ 25186.1 .0) (19) 11082.9 Wreck	⊕ 25190.1 (19) 11081.6	19
	INSIDE CHARLIE HOLE 25164.6 (19) 11086.0	W. [illegible] Charlie 25176.7 (19) 11090.6	⊕ 25184.8 25187.0 (19) 11088.0 95.3 5.6) .2 .3	25192.6 (19) 11087.0	20
		⊕ G.C. ?? 25174.2 (19) 46802.9			21
					22
			25187.1 (23) 11097.6		23
					24
					25
					26
	25164.8 (27) 11104.1				27
					28
					29
					30
⊕ 25153.6 (31) 11213.2					31
					32
					33
					34
					35
				⊕ 25195.0 (34) 11120.7	36
					37
					38
					39
					40
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					47
					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		25246.9 (3½) 11047.7
4			25221.9 (4) 11047.1		
5	25203.6 (5) 11047.8				
6					
7	WEST BANK 25204.4 (7) 11052.1				25248.8 (7) 11051.1
8				25239.0 (8) 11051.0	
9			MIDDLE BANK 25228.9 (9) 11055.6	25231.0 (8) 11052.2	
10			25228.4 (10) 11056.0		25249.0 (10) 11055.5
11					
12					
13					
14					
15					
16		25213.0 (16) 46832.3			
17					
18	25201.7 (19) 11090.1				
19	25203.6 (19) 11091.6	25218.2 (19) 11085.5		25236.8 (19) 11085.6	
20	25204.3 (20) 11092.8	"22½'s"			DIXON'S HOLE 25248.7 (20) 11089.5
21		14.1 99.2 25212.7 (22½) 11096.9			25249.9 (20½) 11097.8
22		25212.3 (22¼) 11095.9			
23		25219.7 (22) 11099.8			
24	25205.0 (24) 11098.0				
25					
26					MIDDLE 25'S 25247.6 (26) 11103.3
27				25232.4 (27) 11104.9	
28	GULFWIND 25200.3 (28) 11046.4				
29				25239.1 (29) 11103.5	
30					DOC'S HOLE 25249.3 (30) 11123.7
31					
32	CORAL 25208.4 (32) 11121.1				
33					
34					
35					
36					
37					
38			25223.9 (33) 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
25258.3 (X) 11047.0		25277.5 (X) 11046.2			1
25252.8 (X) 11047.3		25276.1 (X) 11046.9			2
25254.3 (X) 11048.0		25276.5 (X) 11047.0			3
					4
	25268.7 (5) 11049.3		25291.6 (5¾) 46876.0	25296.5 (5) 11046.9	5
			25280.0 (5¾) 11046.8 25286.9 (5¾) 11048.5		6
25256.3 (7½) 11052.7	25262.4 (7½) 11052.3				7
25255.7 (7½) 110535					8
25255.1 (9) 11054.0 BANK 55.1 55.1 4.9		25272.6 (9½) 11055.1	25284.7 (10) 11046.0	25299.0 (10) 46870.0	9
			25284.0 (10) 11053.7	25296.4 (10) 11046.9	10
	25265.0 (11) 11059.2	25270.0 (11) 11059.2		25292.0 (11) 11057.0	11
					12
					13
	25267.0 (15) 11070.3 PLATFORM				14
19's Rocks	25260.2 (15) 11071.2 PLATFORM				15
25251.9 (17½) 11079.2	25269.3 (15) 11073.9				16
25251.3 (17½) 11079.3		25270.0 (17) 11079.0		25295.9 (17) 11079.3	17
25253.5 (17½) 11079.4					18
25251.9 (17½) 11079.8	25263.6 (19) 11088.5 HOLE	25270.6 (19) 11086.9		25297.3 (19) 11083.5	19
25250.0 (19) 11082.2	25266.6 (20) 11089.6	25270.2 (20) 11092.4		25297.6 (21) 11089.5	20
25255.7 (19) 11084.5		25272.9 (21) 11095.8 HOLE		25299.3 (21) 11092.0	21
25252.7 (19) 11086.9	25266.4 (22½) 11098.4				22
					23
					24
					25
		25271.1 (26) 11105.5 MUD			26
	25265.4 (27) 11107.5 MUD		25282.0 (27) 11114.6	25292.1 (27) 11119.9	27
		25275.5 (28) 11112.2	25286.2 (28) 11111.8	25292.4 (28) 11122.4 SALVADOR RIDGE	28
					29
			25282.2 (30) 11124.4 SALVADOR RIDGE		30
					31
				25290.0 (32) 11129.2	32
					33
					34
25256.3 (35) 11125.8					35
					36
					37
					38
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					40
			25287.4 (41) 11133.7		41
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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		25317.6 (3½) 11046.9			
4					25348.3 ④ 11043.7
5	25308.5 ⑤ 11046.6		25321.0 ⑤ 11045.5		
6	25307.2 ⑥ 11047.7 (6.9, 8.0)		25329.9 ⑤ 11046.7		25349.0 ⑥ 11046.0
7	25305.6 ⑦ 11050.0 (4.6)	25313.0 (7½) 11049.5	25326.1 (7½) 11049.8		
8		25313.0 (7½) 11050.6			
9		25311.8 ⑨ 11051.9			
10	25307.1 ⑩ 11055.0				
11					
12					
13					
14					
15		25310.0 ⑮ 11072.9	25321.4 ⑮ 11070.4		25345.9 ⑮ 11070.3
16		25318.5 ⑮ 11073.5	25320.2 ⑯ 11076.7		
17					25345.5 ⑰ 11080.1
18					25344.0 ⑲ 11084.6 (25348.5 11088.5)
19		25318.9 ⑲ 11082.3			25345.1 ⑲ 11089.3
20	25305.6 ㉑ 11092.0				
21	25307.6 ㉑ 11094.1	25310.2 ㉑ 11093.8	25320.2 ㉑ 11096.3	25334.0 ㉑ 11096.8	25347.7 ㉑ 11094.7
22	25308.2 ㉒ TA 11097.6	25318.2 ㉒ 11100.8	25320.9 (23.9) ㉑ 11093.5		25349.4 ㉒ 11100.8
23					
24					
25					25344.7 ㉕ 11106.9
26	E. 27's 25309.5 ㉖ 11107.9		E. 27's 25321.9 ㉖ 11111.9	25334.7 ㉖ 11112.8	
27		25312.0 ㉗ 11118.8		Middle 27's 25334.8 ㉗ 11117.0	
28		25313.4 ㉗ 11115.5		25331.7 ㉘ 11115.0	
29					H/R 25343.7 ㉙ 11124.5
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25300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
		25376.4 (4½) 11044.8			4
					5
					6
					7
	25361.3 (8) 11047.9				8
	25360.2 (9) 11052.8	25377.5 (9) 11050.1			9
				25397.6 (10½) Wreck 11056.9	10
ESE Lump 25356.6 (11) 11053.4	25362.6 (11) 11059.9				11
25355.0 (11) 11061.8	25364.0 (11) 11060.2				12
					13
					14
				25391.6 (15) 11073.3	15
					16
	SMALL 25363.3 (17) 468 29.1				17
25358.0 (18) 11082.4				25397.1 (18) 11085.4	18
25350.2 (19) 11089.8					19
25350.2 (20) 11089.9		EASTERLY 21's 25372.4 (21) 11096.6	EASTERLY 21's 25388.2 (20) 11097.0		20
25351.1 (21) 11093.3		25372.1 (21) 11098.1	25387.3 (21) 11099.7	EASTERLY 21's 25392.7 (21) 11095.3	21
25356.0 (22) 11101.7	25369.7 (22) 11105.7		25382.3 (21) 11100.0		22
			Wreck 25387.0 (22) 11102.1		23
	25364.1 (24) 11104.5				24
					25
25355.7 (26) 11109.0					26
					27
					28
					29
	HOLE 25365.1 (30) 11128.3				30
	25366.9 (30) 11129.9				31
					32
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25400

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1			25428.0 (3/4) 11041.9		
2					
3		25417.1 (3¾) 11041.9			
4					
5					
6					
7			25429.1 (7) 11045.2		
8		25416.2 (8) 11046.2	25421.2 (7½) 11045.5		25447.0 (8) 11047.3
9					
10		25413.0 (10½) 11052.3 (58.2)			
11					
12				25438.8 (12) 11060.6	
13					
14					
15		25415.5 (15) 11072.0		25432.1 (15) 11073.7	
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	25403.5 (21) 11096.2		25429.0 (21) 11105.6		
22	25401.7 (21) 11096.8				
23					
24					25446.0 (24) 11117.2
25			25428.3 E.29.5 (26) 11125.5		
26			25426.2 E.29.2 (26) 11125.7		
27		25413.7 (27) 11120.7	25424.5 (27) 11124.2		25446.6 (27) 11125.5
28				25431.9 (28) R 11123.5	
29					
30			25421.9 (30) 11127.4	25433.6 (30) 11130.6	
31	25406.4 (30) 11127.1	25417.6 (31) 11129.1			25441.8 (31) 11135.0
32		25411.3 (32) 11135.1			
33					
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25400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
			25483.0 (2) 11038.7		2
					3
		25475.0 (4) 11040.4			4
	25466.6 (5) 11042.4				5
					6
			25486.5 (7½) 11046.1		7
					8
					9
	25460.0 (10½) 11051.0 RIDGE				10
					11
					12
					13
					14
25452.0 (15) 11075.5					15
V.A. FOGG 25455.9 (6½) 11082.5	25460.7 (14) 11082.2 2.2 0.0	25476.5 (6½) 11081.8			16
	25461.2 (17) 11082.3				17
25454.5 (19) 11093.7					18
25451.2 (19) 11094.85 46818.5 K 64045.2					19
					20
					21
					22
					23
	25460.0 (24) 11113.6		25486.8 (24) 11118.8	25490.0 (24) 11116.5 97.8	24
25459.9 (25) 11108.4					25
		25476.0 (26) 11122.5 wreck			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
25454.8 (33) 11136.8			25488.0 (32) 11138.3		32
25453.0 (32) 11139.5					33
					34
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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	25509.0 (10) 11051.0		25521.0 (10½) 11052.5		25540.5 (10½) 11062.0
11	25507.0 (11) 11063.9 Wreck		25521.4 (10½) 11052.7		
12					
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) 111105 Wreck
24				25535.2 (24) 11118.8 34.8 9	
25					
26					25549.5 (24) 11124.5 DOC's HOLE
27					
28	25501.6 (28) 11127.4				
29					
30		25519.1 (30) 11091.5 Bad		25538.8 (30) 11136.0	
31					25544.4 (31) 11140.7 Hole
32					25545.0 (32) 11143.4
33					
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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
				25597.2 (6) 11039.1	6
25557.1 (7) 11041.2					7
					8
25557.1 (9) 11047.2			25586.7 (9) 11046.5		9
25550.0 (10) 11051.0					10
25554.0 (10) 11056.1				25591.6 (11) 11060.6	11
25550.0 (12) 11071.1					12
					13
	25561.8 (14) 11076.8				14
	25563.3 (15) 11080.9				15
					16
					17
				25598.4 (19) 11094.3	18
					19
					20
					21
25555.0 (22) 11108.5			25587.3 (22) 11112.2	25594.4 (22) 11102.0	22
				25598.1 (23) 11113.7	23
					24
		25574.4 (25) 11122.4			25
					26
					27
					28
					29
	25563.9 (30) 11137.5				30
25553.6 (31) 11138.5			25589.5 (31) 11142.2		31
25557.0 (32) 11144.4	25564.2 (32) 11143.3				32
					33
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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	25601.5 (6) 11038.0				
7					
8	25604.2 (9) 11047.3			25639.5 (8) 11042.1	25647.1 (9) 11047.6
9	25600.9 (9) 11058.4				25649.6 (9) 11055.1
10					25648.2 (10) 11048.7
11					
12			25628.3 (12½) 11076.0		
13					
14		25615.1 (15) 46831.5 CLAM ROCK			
15	25605.1 (15) 11082.7	25613.8 (15) 11091.5			
16	25602.8 (16) 11085.7	25610.6 (15) 11087.7	25623.4 (16) 11084.2		
17		25610.3 (16) 11085.1		25631.0 (18) 46828.3	25640.7 (18) 11109.6
18			25625.6 (18) 11094.8	25632.6 (18) 11093.3	25647.2 (18½) 11099.3 44.1 44.8
19			25623.9 (18) 11096.2		25649.0 (18) 11100.6
20					
21			25622.9 (21) 46807.2 WRECK		
22			25620.0 (21) 11107.8		
23			25622.1 (21) 11109.1		
24	25603.1 (24) 11122.1 HOLE			25633.3 (24) 11117.1	
25					
26					
27				25634.8 (27) 11131.2	25647.7 (27) 11136.0
28					
29					
30			25629.1 (30) R 11146.1		
31					
32				25637.5 (32) 11144.3	
33					25643.5 (33) 11149.5
34					
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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 (5) 6.9	4
					5
			25687.1 (6) 11036.7	25697.1 (6) 11036.9	6
		25673.8 (7½) 11041.9			7
25654.6 (8) 46983.4	25666.8 (8) 11043.8	25673.9 (8) 11043.2		25694.5 (8) 11056.1	8
	25669.8 (9) 11052.4	25673.2 (9) 11043.5	25682.6 (9) 11051.0		9
					10
					11
					12
					13
					14
					15
					16
	25665.5 (17½) 11096.0				17
					18
		25678.3 (19) 46815.4	25686.0 (19) 46817.5		19
	25669.1 (20) 11106.1		25686.0 (20) 46817.0		20
	25666.2 (21) 11106.0	25675.9 (21) 11108.3			21
				25692.0 (22) 11117.9	22
25650.4 (23) 11116.3					23
		25679.7 (24) 11124.5	25687.9 (24) 11121.3		24
					25
					26
					27
				25698.2 (29) 11137.9	28
					29
25654.0 (30) 11145.0					30
					31
25656.6 (32) 11157.2	25669.8 (32) 11149.5			25693.6 (32) 11153.9	32
					33
					34
					35
					36
					37
		25677.0 (38) 11168.9			38
					39
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25700

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					25740.0 (1¼) 11032.0 PIPE
2		25716.2 (2¾) 11032.7			
3		25712.0 (2¾) 11034.0			25745.8 (5) 11034.0
4	25707.8 (4) 11035.2	25712.0 (3½) 11035.0		25734.5 (4) 46923.9	25743.9 (4) 46925.8
5					25745.6 (6) 11036.3
6		25712.1 (6) 46918.6	25726.8 (6¼) 11038.6		25746.6 (6) 11037.3
7	25707.4 (7½) 11039.2			25738.1 (7¼) 11038.7	
8	25705.1 (4) 11044.0 (4.4 2.6)				
9	25702.9 (9) 11051.3		25720.3 (9) 11043.0	25735.4 (9) 11042.4 (6.9 7.2)	
10	25703.1 (9) 11057.9		25727.6 (9) 11048.2	25739.9 (9) 46882.3	
11				25736.0 (10½) 46880.8	
12					
13					
14					
15			25726.1 (15) 11092.2		
16		25715.9 (16) 11093.2		25739.0 (17½) 11096.9	
17			25724.1 (17) 46830.0 Wreck		25747.1 (17) 11098.4
18				25734.3 (19) 11101.8	25744.7 (19½) 11101.7
19	25704.9 (19) 11104.2			25735.3 (19) 11103.8	
20			25723.4 (20) 11103.9		25740.5 (20) 11106.1
21					
22		25711.5 (22) 11116.1 (15.4 15.4)	25721.3 (23) 11116.1		
23			25723.7 (23) 11121.2		
24					25745.2 (24) 46795.3 Wreck
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 (37) 11171.5	25737.6 (39) 11173.2	
40					
41					
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25700

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
25756.6 (1½) 11032.6					1
					2
25750.1 (3) 11034.0				25794.8 (3) 11029.3	3
					4
25755.3 (5) (6) 11036.5 (3)		25774.5 (5) 11039.6			5
25754.0 (6) 46922.5		25779.7 (6) 11036.0	25785.8 (6) 11035.2		6
		25773.1 (7½) 11044.5		25799.3 (7) 46923.3	7
25750.0 (7½) 11040.0	25760.3 (8) 11039.0		25787.1 (9) 11069.0	25792.7 (8) 46920.9	8
25753.3 (52) 11047.6		25778.6 (9) 46896.6			9
25757.6 (9) 11042.8	25764.8 (10) 11065.5				10
					11
					12
	25766.6 (13) 11075.6	25773.9 (13) 11074.9		CORAL PATCH 802.6 25799.9 (13) 11090.5 87.6 (5)	13
	25769.6 (14) 11096.0			25793.2 (14) 11079.8	14
					15
					16
					17
25757.8 (18) 11100.0				25790.1 (18) 11100.7	18
					19
		25774.0 (20) 11109.3			20
					21
					22
			25788.9 (23) 11119.6		23
				25797.2 (24) R 11128.2	24
					25
CLAYPEAK 68.95	25767.8 (25) 11136.1	25776.5 (26) 11132.9			26
25758.7 (27) 11132.8 39.2 (5)	25761.2 (28) C 11138.1				27
25756.9 (28) 11140.7	25769.0 (29) 11140.2		25780.8 (29) 11142.5		28
	25767.6 (29) 11142.2				29
			25788.2 (30) 11147.8		30
					31
					32
					33
					34
					35
			25783.7 (36) R 11165.0	25796.6 (36) 11161.2	36
			25786.8 (37) 11171.0		37
					38
				25794.0 (39) 11177.3	39
					40
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25800

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2			25827.3 ② 11027.3		
3					
4	25806.5 (4¾) 11033.9	25813.6 ④ 11033.9			25847.2 ④ 11030.6
5	25809.0 ⑤ 11034.8		25825.6 (3.7) ⑤ 11033.2 (3)		
6	25805.4 (5½) 11035.4		25822.5 (6) ⑥ 11034.1 (4)	25838.1 ⑥ 11034.6	
7	25802.7 ⑦ 46924.8		25824.8 (3.9) ⑦ 46926.4		25849.7 ⑦ 11036.9
8	25809.6 ⑧ 11036.5	25818.8 ⑧ 46905.8	25821.9 ⑧ 46909.7	25839.6 ⑧ 11036.0	
9	25806.0 ⑨ 46916.6	25814.6 ⑨ 11045.6	25823.1 ⑨ 46905.5	HIGH SAND RIDGE 25840.0 ⑨ 11063.0	25847.8 ⑨ 11045.7
10	25809.2 ⑩ 46922.0		25828.3 ⑩ 46882.9	25834.4 ⑩ 46904.4	
11					
12				25830.6 ⑫ 11071.7	
13			25822.7 ⑬ 46857.0	25830.4 ⑭ 11082.1	
14		25817.1 ⑭ 11086.3		PICTURE HOLE 25831.0 ⑭ 11084.7	
15				25834.1 ⑭ 46850.9	
16				25832.9 ⑮ 11091.7	
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	25805.0 ㉗ 46986.3 (11135.6)				
28					
29	25805.9 ㉙ 11146.2				
30			25823.0 ㉚ 11145.9		
31		25812.6 ㉛ 11149.3			
32		25814.2 ㉜ 11148.6			
33		25815.3 ㉝ 11157.1			
34					
35		25816.1 ㉟ 11156.7			
36					
37	25809.5 ㊲ 11173.1				
38					
39				25833.9 ㊴ 11182.7	
40					
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25800

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
		25877.1 (2) 11027.3			2
					3
		25878.5 (4) 11028.5	25882.4 (4¾) 11027.7		4
	25862.5 (5) 11031.6	25877.7 (5½) 11031.5		25894.1 (5½) 11031.0	5
		25875.3 (5½) 11032.1			6
25857.6 (7) 11038.4		25871.0 (6) 11035.6		82.0 25890.0 PIPELINE (6) 11037.0	7
25856.8 (8) 46908.6	25863.4 (8) 11036.1	25878.1 (8) 11049.9	25888.0 (8) 11044.9		8
25858.5 (9) 11057.1	25864.0 (9) 46907.0	25872.4 (8) 46903.0	25887.2 (9) 11050.6	25893.8 (9) 11063.5	9
25856.2 (10½) 11069.5	25864.1 (9) 11054.6				10
	25866.4 (9) 11064.4				11
	25860.5 (12) 46861.6				12
					13
					14
					15
					16
					17
				25897.7 (18) 46829.1	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
				25892.8 (27) 11141.6	27
			25888.3 (28) 11143.8		28
			25888.4 (28) 11144.1		29
					30
		25870.6 (31) 11149.8			31
		25872.9 (31) 11150.7		25897.7 (32½) 11156.4	32
		25878.1 (33) 11158.4 L			33
		25876.5 (34) 11159.6			34
		86.1 25871.7 (34) 11160.4 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 (49) MUD 11197.3				48
					49
					50

FATHOMS	25900 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		⊕ 25913.0 (7½) 46929.0	25926.6 (8) 11049.5	⊕ 25931.3 (8) 46915.8	
8	⊕ 25906.9 (8) 11044.6		25927.3 (8) 11051.6	⊕ 25930.3 (8) 11043.1	⊕ 25943.2 (8) 46880.9
9	⊕ 25906.0 (8) 46906.6		⊕ 25923.4 (8) 46914.6	⊕ 25938.7 (8) 46918.6	
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					
24	25900.6 (24) 11131.0	25912.5 (23) 11129.7			
25		25914.6 (23) 11129.9			
26					
27			25929.8 (27) 11143.2		
28		25918.6 (28) 11143.2			
29		25910.5 (29) R 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 (64.9) (33) 11166.7 (-.15) cor.
34					25946.6 (35) 11169.4
35					25947.6 (35) 11169.6
36	25905.8 BAD MUD (35) 11167.3		25926.9 (36) cor 11170.6		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				25940.8 (50) 11206.5

25900

50-59,9	60-69,9	70-79,9	80-89,9	90-99,9	FATHOMS
					1
					2
					3
			25982.5 ④ 11024.6		4
	66.5 46931.5 25965.5 ⑥ 11031.3				5
	25969.5 ⑥ 11031.4	25979.0 ⑥ 46943.7			6
25951.0 (7¾) 11036.6	25961.0 (6½) 11032.8	25979.2 (7¾) 11036.2	25986.6 (7½) 11033.5		7
25959.1 ⑧ 11049.6	25967.3 D (7½) 11035.2 D	25975.6 (7¼) 11037.3		25990.3 ⑧ 11046.3	8
25958.6 ⑨ 11049.7					9
25956.9 ⑨ 46915.0					10
25950.9 ⑪ 46866.8				25996.2 ⑪ 11081.7	11
	25962.7 ⑫ 11081.2		25982.6 (12½) 11084.0		12
					13
25953.9 ⑭ 46851.3					14
					15
		25979.7 ⑯ 11114.9		25993.0 ⑯ 11114.1	16
					17
	25961.3 ⑱ 46822.9				18
					19
	25967.4 ㉑ 11127.9	25971.0 ⑳ 11125.4		25999.2 ⑳ 11121.9	20
	25966.4 ㉑ 11128.0	25975.2 ㉒ 11131.6			21
		HOLE 25979.3 ㉒ 11131.7	25988.6 R ㉒ 11132.5	90.8 T 25993.9 ㉒ 11133.4 T	22
					23
					24
25955.4 ㉕ 11137.2		25979.1 ㉕ 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
			92.5 T 61.2 25980.2 ㉜ 11163.8 T		32
			25981.4 ㉝ 11166.4		33
			25980.1 ㉝ 46765.0	25991.3 ㉞ 11171.4	34
SMALL 25958.3 ㉟ 11171.9					35
					36
25956.6 ㊲ 46755.6					37
					38
					39
					40
					41
					42
940.3 T 196.5 25955.2 ㊸ 11202.4 T					43
					44
					45
					46
					47
					48
					49
		25976.5 ㊷ 11212.6			50

26000

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3				26036.2 (3) 11023.8	
4	26001.6 (4½) 11026.5		26021.6 (4) 46952.8		
5					
6					
7					
8	26006.0 (8) 46920.6	26019.3 (8) 11044.0	26021.6 (8) 11039.8		26049.8 (8) 11050.8
9					
10					
11		26014.3 (11) 11074.2	26028.0 (11) 11073.3		
12					
13				26033.8 (13) 46843.5	26041.2 (13) 11090.2
14			26024.5 (14) 11089.4	26035.9 (13) 11089.8	
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		26011.9 (21) 11131.7 BUOY			26041.9 (21) 11140.2
22					
23					
24		26019.3 (24) 11154.1			
25		26013.7 (25) 11146.7			
26					
27				26032.5 (27) 11149.8	
28		26018.5 (28) 11155.0		26034.1 (29) 11157.1	26048.3 (28) 11155.0
29		26010.7 (29) 11156.2			
30			26028.7 (30) 11160.3		26048.9 (30) 11160.4
31				26035.6 (31) 11163.9 30.0 ↑ 61.4 ↑	26040.1 (30) 11161.5
32		26016.2 (32) 11166.8	26024.5 (32) 11170.0		
33				26038.2 (33) 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	26007.6 (37) 11187.7				26048.9 (37) 11204.1
38	26000.9 (37) 11188.5				
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 JOHN'S HOLE			26035.0 (50) 11219.4	

26000

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
		26071.0 (1½) 11023.8			1
					2
					3
					4
			26089.3 (5) 11028.9	26091.3 (3.0') (5) 11027.4 (4')	5
				26095.3 (32') 11021.8	6
		26074.6 (9) 11034.9	26088.6 (9) 11034.8		7
	26061.2 (8) 11053.1	26071.5 (8) 11050.7	26087.0 (6.1') (7½) 46934.8 (5.3')	26093.1 (8) 11054.7	8
26057.5 (9) 46901.2		26075.4 (9) 11062.7	26084.2 (9) 46887.5		9
		26072.4 (10) 11061.4			10
	26062.7 (11) 11074.2	26074.2 (10½) 11081.5	26085.0 (6') (11) 46875.3		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			18
			26082.9 (19) 11126.8		19
		26070.6 (20) 11134.4	26080.0 (19) 11128.3	26091.6 (20) SOFT 11138.9	20
	26062.5 (21) 11141.7	26077.5 (21) 11140.2	26087.9 (19) SLAB 11130.2	26093.5 (21) 11144.7	21
					22
26052.8 (48.6' ↑) (23) 11144.3 (43.8' ↑)			26081.8 (23) 11147.5		23
					24
					25
					26
				26096.6 (26) 11156.3	27
	26064.7 (27) 11153.6	26079.3 (27) 11156.1	26081.0 (27) 11154.3		28
26055.1 (28) 11160.9			26087.0 (28) ROCK 46703.7		29
26059.5 (29) 11162.5			26081.4 (28) ROCK 46700.9		30
26055.9 (30) 11164.8					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
	26061.3 (47) 11218.3	26071.9 (47) 11220.7	26081.4 (X) 46700.9		47
	26062.5 (47) 11218.9		26087.0 (X) 46703.7	26094.7 (48) 11221.2	48
			26087.0 (X) 46708.0		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				26141.5 ④ 11023.9
2	½ MILE FROM BEACH 26101.9 11025.8				26146.0 ② 11024.0
3	26103.5 (4') 11024.1			26132.8 ③ 11026.7	26148.9 ② 11024.3
4			26126.3 ④ 11025.0		
5			26122.2 ④ 11026.3		
6	26100.0 (6½) 11033.4				26143.8 (6½) 46939.0
7					
8					
9					
10					
11					
12					
13	26103.7 ⑬ 11091.7				
14					
15					26141.0 (15) 11123.9
16		26112.6 (16) 11126.9			26141.3 (16) 11127.1
17					
18			26126.8 (18) 11134.3		26142.0 (18) 11134.0
19	26107.7 (19) 11129.5				26144.3 (19) 11136.8
20	26101.0 (19) 11132.9	26112.6 (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		26119.3 (29) 11167.9 20 & CORAL 64.8 m			
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	10 7.4 CAROL'S ROCK 7.8 26109.9 (39) 11209.4				
40			26129.6 (40) 11210.7 PIPE		
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
26152.0 ② 11023.2					2
					3
					4
			26182.1 ⑤ 46954.7	26191.2 ⑤ 11029.9	5
					6
26154.0 ⑪ 46916.0		26172.5 ⑦ 46939.5			7
					8
					9
					10
			26187.6 ⑪ 11085.9 WRECK		11
				26191.1 ⑫ 11095.6	12
		26175.6 ⑬ 11117.9			13
					14
26153.6 ⑮ 11127.6 MUD					15
					16
					17
					18
	26165.2 ⑲ 11135.8	26170.0 ⑲ 11139.5			19
26153.9 ⑳ 11139.8	26169.3 ⑳ 11146.9	26179.0 ⑳ 11150.4			20
					21
					22
		26176.1 ㉓ 11158.3			23
	26165.8 R ㉔ 11157.0				24
					25
					26
					27
26156.9 ㉘ 46720.4 11176.5			26183.9 ㉘ 11128.4 HOLE		28
					29
		161.5 26170.0 ㉚ 11179.6 193.5			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
				21.5 26191.2 ㊷ 11222.5 21.5	42
				SCATTERED CORAL 26196.7 ㊷ 11224.3	43
					44
					45
					46
					47
					48
	26167.7 ㊾ 11226.4 CORAL	26175.2 ㊾ 11228.3			49
			26183.2 ㊿ 11231.9 CORAL		50

26200

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1				26235.7 (1¼) 11021.9	
2				26236.2 (2) 11024.8	26246.7 (2¾) 11025.6
3				26236.2 (2) 11025.5	
4	26202.4 (4½) 11028.3				
5	26209.6 (5) 46956.9				
6	26205.8 (6) 46950.1				26241.4 (6) 46950.6
7		26216.9 (7) 11037.9			
8					
9				26237.5 (9) 11070.6	
10				26235.9 (9) 11071.9	
11					
12				26239.6 (13) 46859.0	26247.9 (2¼) 11104.9
13	26205.0 (13) 11117.0	26216.9 (13) 11100.5		26235.0 (13) 11102.2	26243.6 (13) 11119.7
14		26212.6 (13) 11113.7			26240.3 (13) 46858.8
15					26242.3 (13) 46857.1
16					
17					26244.6 (17) 11138.8
18			26224.3 (18) 46814.6	26235.6 (18) 11141.5	26242.3 (18) 46814.6
19		26214.7 (19) 11143.1			26240.4 (19) 11145.8
20		26212.8 (19) 11145.0			
21				26237.9 (21) 11158.5	
22					
23					
24					
25					
26					
27			26229.3 (27) 11174.6		
28					
29			26226.5 (29) 11186.6		
30					
31				26231.0 (31) 11188.7	
32	26207.1 (32) 11201.9			26235.0 (32) 11193.4	
33				26234.8 (32) 11201.6	
34				26233.3 (32) 11203.4	
35					
36					
37					
38			26221.2 (38) 11214.5		
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
					1
26259.0 (2½) 11024.5				26290.6 (2) 11024.1	2
				26292.7 (2) 11024.9	3
26253.8 (4¼) 11032.2		26274.1 (4) 11031.1			4
					5
		26275.5 (6) 46953.6			6
					7
					8
					9
		26277.5 (10½) 11098.7			10
26251.6 (11) 11077.6			26282.0 (11) 11085.0		11
26258.6 (12) 11098.6		26277.8 (12) 46864.1	26286.9 (12) 11087.4		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 (16) 11128.5				16
					17
26258.2 (18) 46816.5	26260.8 (18) 11146.2				18
26250.9 (18½) 11141.6	26263.8 (19) 11160.8			26295.3 (19) 11113.3	19
					20
	26265.3 (21) 11159.6		26284.0 (21) 11154.4		21
26258.8 (22) 46796.1					22
	26265.4 (23) 11167.7				23
					24
		26274.3 (25) 11172.9		26293.7 (25) 11174.7	25
					26
					27
					28
			26289.5 (28) 11185.6		29
	26266.5 (29) 11185.9		26281.9 (28) 11188.2	26299.6 (29) 11188.7	30
	26268.1 (29) 11189.0		26288.8 (30) 11195.0	26298.2 (29) 11192.2	31
				26291.9 (31) 11200.6	32
26252.7 (33) 11192.0	26262.2 (33) 11214.1				33
					34
					35
				26292.1 (36) 11222.8	36
					37
26250.0 (39) 11220.5					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				26331.0 (X) 46974.3	
2				26339.4 (2¼) 11028.8	26348.5 (2¼) 11033.5
3				26337.5 (2¾) 46962.8	
4			26326.4 (4) 46959.8		
5					
6		26317.0 (6½) 11063.7		26339.0 (6½) 46949.8	
7				26334.6 (7½) 11055.8	26341.6 (7½) 11063.6 HOLE
8				26335.0 (8) 46918.0	
9					
10			26327.5 (10) 11097.0		26346.4 (10½) 46890.6
11				367.8 111.9 26333.7 (11) 11109.3	
12	26305.4 (12) 11089.5				26347.4 (12) 46880.0
13					
14					
15		26319.0 (15) 11131.7			
16					
17					
18					
19					
20	26303.6 (21) 11157.4	26317.1 (21) 11165.3			
21	26308.9 (21) 11168.1	26314.4 (21) 11171.2		26338.8 (21) 11164.0	
22	26307.3 (22) 11171.2		26329.8 (22) 11173.3	26339.8 (21) 11166.5 HOLE	
23			26328.1 (22) 11176.0	26333.4 (23) 11180.4	
24					
25					
26					
27					
28			26320.2 (28) 11191.7	26339.8 (29) 11189.4	
29					
30	26305.6 (31) 11208.9				
31		302.5 3.6 26313.6 (31) 11204.1	26323.4 (31) 11203.5		
32		26315.0 (31) 11206.0	26322.9 (31) 11207.5		26345.9 (32) 11216.7
33					
34					
35					
36	26300.6 (36) 11223.3	26311.3 (36) 11224.5			
37			17.5 29.9 26326.7 (37) 11226.9		
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
	26369.7 (24) 11029.4				2
	26363.1 (4) 46963.4 26362.0 (4) 46961.8	26372.0 (4) 46964.4			3
26356.4 (4) 46963.9	26364.0 (4) 46958.5	26377.5 (5) 46963.5			4
26353.5 (5) 11046.4	26369.2 (5) 11032.4 PIPELINE	26375.4 (5) 46962.7 6.1 3.0		26396.7 (5) 11037.0	5
		26376.1 (5½) 46960.9 26371.4 (6) 46957.1		26398.1 (6) 11062.7	6
		26377.0 (6) 46933.9 26375.9 (7) 46926.8	26386.2 (7) 11050.0	26391.0 (6) 46953.9	7
				26396.8 (X) 46881.3	8
	26363.4 (9) 11076.5				9
					10
26359.6 (11) 11091.3	26365.4 (11) 46885.1	26372.1 (11) 46881.5	26383.0 (12) 11118.7		11
26358.6 (12) 11098.5		26376.8 (11) 46891.3	26389.8 (12) 11099.9	26398.5 (12) 11105.3	12
26351.9 (13) 11122.2	26362.0 (13) 11029.5	26371.5 (13) 11086.7	26384.4 (13) 46855.5		13
	26361.2 (14) 11030.5				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					20
26356.0 (21) 11169.5	26360.2 (21) 11170.0	82.0 26373.4 (21) 11192.6 87.7	26386.2 (21) 11168.8		21
	26363.8 (21) 11174.7	26371.6 (21) 11176.8			22
					23
26356.7 (24) 11188.4			26389.2 (24) 11191.2	26399.7 (24) 11194.0	24
			26382.7 (25) 11187.7		25
		89.5 96.0 26370.3 (26) 11192.1			26
					27
					28
26357.6 (29) 46763.4			26395.5 (29) 46754.7	26395.1 (29) 11202.6	29
26358.0 (30½) 46756.4					30
26354.3 (31) 11208.4	26362.3 (32) 11213.4	26377.7 (31) 11216.0			31
	26366.2 (32) 11217.7			26394.9 (33) SLAB 11226.0	32
				26392.7 (33) 11230.0	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
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26400

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2				26433.0 (2¼) 11026.6	
3				26431.0 (3) 46974.3	
4	26403.0 (4) 46969.0	26413.3 (5) 11029.9			
5		26415.3 (5) 11059.5	26420.4 (5½) 11032.1		
6		26418.0 (6) 46922.5	26428.6 (6) 46951.4		26440.2 (6¼) 46958.2
7					
8					
9					
10	26403.6 (10) 11082.9		26425.5 (11) 46879.7		
11		26413.0 (11) 11085.8	26423.5 (11¼) 46850.9	26436.0 (11) 46889.4	
12		26417.9 (11) 11099.7	26429.8 (12) 11112.1 26428.0 (12) 11117.9		
13		26411.4 (13) 11111.9	9.9 26427.4) (13) 46863.4) 4.6	26432.2 (13) 11111.1	
14				26438.2 (14) 11126.8	
15					
16					
17					
18	26406.0 (18) 46814.0				26443.5 (18) 46815.1
19					26446.3 (20) 11179.1
20	26400.3 (20) 11165.5				26449.9 (20) 11177.8
21		26412.6 (21) 11177.5			26442.0 (21) 11179.5
22		26413.4 (22) 11191.6			26440.0 (22) 46793.9
23	18.2 26402.8 (24) 11187.8 82.7	26411.9 (23½) 11180.3		26431.3 (23) 11194.2	26446.4 (23) 11184.9
24	26408.9 (24) 11195.5			26430.5 (24) 11184.4	
25			26423.0 (25) 11202.3	26438.4 (24) 11198.5	53.3 26446.6 (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					
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
				26494.6 (1) 46977.0	1
	26468.0 (3) 46973.5			26499.0 (2) 46976.5	2
	26464.4 (3¼) 11029.6	26470.1 (3¼) 11027.4	26481.0 (3¼) 11029.5	26491.7 (2¼) 46976.3	3
				26497.5 (4) 11031.9	4
					5
		26478.7 (6½) 46958.7			6
					7
26453.3 (8) 11065.9		26476.1 (8) 11059.4			8
					9
					10
				26492.7 (11) 46983.9	11
				26492.0 (13) 46975.6	12
	26463.4 (13) 11110.9	26479.5 (13) 11109.3	26480.1 (13) 11105.0	26495.8 (13) 11104.1	13
	26463.8 (14) 11132.5	26478.2 (14) 11130.4		26498.8 (13) 46874.5 ROCKS	14
	26467.6 (15) R. 11144.0			26497.8 (12) 11104.8	15
		26472.0 (16) 11160.2			16
	26462.9 (17) 11161.4				17
26456.0 (09) 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
		26479.9 (21) 11182.6			21
					22
					23
	26468.7 (22) 11192.5			26496.8 (24) 11192.6	24
			78.5 26484.7 (25) 11199.6 93.9	26497.3 (25) 11207.5	25
	26465.7 (26) Coral 11206.5		26489.3 (26) 11200.8	26496.4 (27) 11211.3	26
			26483.7 (26) 11206.9	26493.5 (27) 11217.9	27
26457.0 (29) 11219.8			26489.0 (27) 11215.2	26498.6 (28) 11229.5	28
			81.1 26498.8 (28) Coral 21.4 11222.6		29
					30
	26460.1 (31) 11230.3				31
					32
26463.9 (32) 11238.3					33
	26461.5 (34) 46742.7				34
					35
26453.3 (36) 11244.2					36
26453.2 (37½) 11251.9					37
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26500

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1	26500.4 (K) 46988.2				
2	26505.9 (1½) 11026.2		26527.7 (2½) 46977.3		26545.0 (3½) 46974.5
3	26503.7 (3½) 11029.7				26545.0 (3½) 46973.0
4	26500.0 (3½) 46973.6 26501.6 (4) 46971.0				
5	26501.4 (4) 46970.0	26514.8 (6) 11046.3	26529.6 (5½) 46965.1		
6	26500.6 (5) 46968.2				
7	26509.6 (5½) 46964.7 26506.0 (6) 46957.2				
8	26500.3 (6) 46960.5				
9	26504.3 (9) R. 11066.2			26539.8 (9) Dr. 11073.9	
10	26503.0 (9½) 11087.0		26522.0 (10½) 11098.1		
11					26549.6 (11) 46881.8
12					26549.8 (12) 11109.8
13				26532.5 (13) 46879.7	
14	26502.4 (14) 11145.9				
15					26544.3 (15) 11157.0
16					
17					26546.4 (17) 11163.6
18	26509.3 (18) 46809.1		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) CORR. 11215.6	26511.3 (27) 11211.2			
28		26519.4 (28) 11220.9		26533.3 (28) 28.5 11224.1 24.8	
29					
30	26500.7 (30) 11235.0		26521.2 (30) 11238.8		26541.2 (30) ROCK 11247.4
31	26501.8 (31) 11240.5			26539.1 (31) 11243.9	
32			26521.3 (32) 11252.7		
33					
34					
35					
36					
37		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					
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26500

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
26550.0 ③ 46977.3				26590.0 (3¾) 46972.0	3
26554.0 (3½) 46977.6 S.1		26578.8 ⑤ 46967.5			4
	26563.9 (5¼) 46965.8	26571.0 (6¼) 46951.0			5
	26565.0 (5¾) 46965.0	26575.0 (6¾) 46949.0	26583.3 ⑥ 46962.9	26597.3 (6¼) 46951.1	6
					7
					8
					9
26551.9 ⑩ 46866.7	26564.4 ⑩ 11082.9				10
	26563.2 ⑩ 11087.2				11
26555.5 ⑫ 11106.9			26582.0 ⑫ 46878.3	26597.9 ⑫ 11109.4	12
		26578.9 ⑬ 46867.5	26589.3 ⑫ 11135.3	26593.3 ⑬ 11117.8	13
			26584.3 ⑬ 46862.9 PIPELINE		14
			26580.6 ⑭ 11035.6		15
					16
26553.9 ⑰ 46818.3	26565.7 ⑰ 11158.7				17
			26587.4 ⑱ 11175.2	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
		26573.0 ㉖ 11216.5	26587.9 ㉖ 11218.7	26597.6 ㉖ 11221.1	26
26558.0 ㉗ 11219.1					27
	26562.3 ㉘ 11224.7		26588.8 ㉙ 11229.2		28
			26586.6 ㉙ 11239.3		29
		→	ROCK + SCATTERED CORAL 26582.2 ㉚ 11239.8		30
26550.2 ㉛ 11247.7 H		26578.7 ㉚ 11242.1			31
26558.4 ㉛ 11251.2		26577.7 ㉛ 11249.4			32
26552.3 ㉜ 11259.4		BAD MUD 26576.1 ㉛ 11246.3			33
		26574.4 ㉛ 11252.9			34
					35
	26560.6 ㉞ 11263.3				36
					37
					38
					39
			RIDGE 26587.1 ㊵ 11280.9		40
				26598.8 ㊶ 11284.7	41
26550.9 ㊷ 11277.0				26595.3 ㊶ 11286.2	42
26555.4 ㊷ 11279.1			26584.4 ㊸ 11285.6		43
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26600

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1		26618.5 (24) 46979.5			26648.6 (1½) 11031.7
2	26605.9 (2) 46976.5	26611.9 (2½) 46979.4	26620.3 (2½) 46977.0	26634.2 (2½) 11029.2	26648.1 (3) 46978.9
3		26619.8 (2¾) 46976.8			26647.9 (4) 11035.4
4					26648.6 (4½) 46968.0
5	26605.1 (5-¾) OIL BORT 46960.3		26621.4 (5) 11037.1		26642.1 (4¾) 46967.5
6	26605.0 (6¼) 46956.1		26627.1 (5) 46966.7	26635.3 (6½) 46954.3	26646.0 (5½) 46958.0
7			26622.8 (5¾) 46964.0		26643.0 (7½) 46957.1
8			26625.9 (6¼) 46940.2		
9	26609.0 (9) 46906.6	26619.5 (9) 11089.2		26630.6 (9) 11085.9	
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	26605.3 (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					26642.7 (23) 46789.9
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) 11227.6 week	26619.0 (27) 11231.7			
28	26609.7 (27) 11241.3 R.				
29	26607.2 (29) 11253.9				
30	26609.7 (30) 11241.3				26641.1 (30) 11244.7
31					
32				26636.8 (32) 11252.9	26647.5 (32) 11253.0
33			26628.4 (33) R. 11256.3	26634.9 (32) 11268.2	26643.8 (33) 11259.3
34				26637.4 (33) 11261.6	
35				26638.4 (34) 11272.9	
36			26626.6 (36) 11274.8		
37			26621.5 (37) 11279.9		26644.3 (39) 11283.4
38	26607.6 (38) 11280.6			26634.4 (38) Con. 11278.8	
39					
40			26625.3 (40) 11285.2	26638.6 (40) R. 11287.5	
41					
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26600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
26657.4 (X) 46994.0	26661.9 (2) 46976.6			26693.0 (2) 46979.1	1
26657.4 (2½) 46974.4	26668.9 (2) 46975.8	26679.0 (X) 46979.0	26689.2 (2½) 46979.8	26695.1 (2) 46978.1	2
26659.9 (3) 46971.8	26662.4 (2) 11033.8	26670.0 (3½) 46975.1	26680.0 (3½) 46974.6	26691.8 (X) 46976.8 26695.6 (X) 46967.8	3
26651.1 (4X) 46969.1	26660.6 (3¼) 46972.1 26661.5 (X) 46971.2	26670.0 (4¼) 46972.0	26680.0 (4¼) 46965.0	26692.9 (5) 46968.8	4
26658.7 (5) 46967.0	26660.5 (4¼) 46970.5 26662.8 (X) 46939.0	26679.4 (5¼) 46965.1		26697.5 (5) 46967.5	5
26650.0 (5¼) 46965.0	26660.9 (6¼) 46958.9			26693.0 (5½) 46962.7	6
26656.2 (6¼) 46949.7				26695.5 (9) 11089.9	7
26650.8 (8) 46922.9	26669.6 (8) 46925.5			26697.7 (9) 11111.2	8
				26693.8 (9) 11112.6	9
	26661.3 (10) 11111.1			26699.4 (9) 11112.8	10
					11
26658.8 (12) 11113.0					12
	26668.7 (13) 11121.8		26680.4 (13) 11156.7		13
					14
26659.6 (15) 11165.5				26699.3 (15) 11171.5	15
				26699.2 (15) 11175.5	16
26653.5 (17) 11181.2				SUNKEN BOAT 26695.3 (17) 11179.8	17
26657.7 (18) 11184.5				26699.3 (17) 11189.8	18
26650.7 (18) 11188.0	26660.5 (19) 11200.4		26680.7 (19) 11200.4		19
		26676.0 (20) 46793.0	26686.3 (20) 11208.2		20
	26664.0 (21) 46790.0				21
					22
					23
	BARON TOOK UP ON VALVE 266725 (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 (29) 11250.0	29
		26672.7 (30) 11244.7			30
26659.5 (31) 11258.9	26666.5 (31) 11248.9			26695.1 (31) 11254.3	31
	26660.0 (32) 11256.6	26671.5 (32) 11260.0		26695.4 (32) 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
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26700

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1		26718.0 ② 46979.5			
2	26709.0 (2½) 46979.8	26710.8 (2½) 46978.7			
3	26702.7 ③ 46977.0	26714.0 ③ 46977.0	26724.0 ③ 46976.5	26731.3 ③ 46977.9	26742.5 (3½) 46977.8
4	26705.6 (4¼) 46972.0	26719.0 ③ 46976.9	26727.5 (4½) 46973.3	26734.0 ④ 46973.0	26740.3 ④ 11035.7
5		26712.6 ③ 46974.0			
6		26711.0 (3¼) 46975.5		26736.0 (6½) 46955.5	26746.1 (7½) 46937.1
7		26718.2 (4¼) 46971.1	26723.0 ⑦ 46937.3	26732.8 (7½) 46933.4	26743.8 (7½) 46935.6
8				26735.8 ⑧ 11076.6	26740.6 ⑧ 46928.0
9	26707.4 ⑨ 11086.9		26729.4 ⑨ 11087.4	26738.1 ⑧ 46914.1 26736.8 ⑨ 11106.8	26747.3 ⑩ 11095.8
10	26709.0 ⑩ 11108.8		26723.0 ⑩ 11097.1		26745.9 ⑩ 11112.1
11	26700.1 ⑩ 11112.5				
12		26715.9 ⑬ 11132.3			
13		26710.7 ⑬ 11140.2	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				26731.4 ⑲ 46803.1	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 ㉓ R 11249.2			26744.3 ㉙ 11245.5
29					
30					
31	26707.2 ㉛ 11255.4	26728.5 ㉜ 11269.3			
32		26715.6 ㉜ 11273.9	26725.9 ㉜ 11265.9	26736.9 ㉜ 11266.9	
33	26700.3 ㉝ R 11275.7	26710.3 ㉝ R 11281.0	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					
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26700

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
			26780.0 (2) 46977.2		2
	26763.5 (3) 46976.8		26783.0 (3) 46975.0		3
	26762.5 (4) 46975.8	26779.5 (4½) 11044.8	26780.7 (4) 46971.1		4
26750.3 (5½) 46960.5				26796.9 (5¾) 11059.1	5
26754.9 (1) 11063.6			26785.2 (6½) 11061.5	26796.5 (6) 46947.8	6
26758.5 (7½) 11068.9		26775.8 (7½) 11075.4	26783.1 (7) 46944.3	26795.0 (7½) 11080.6	7
26757.7 (8) 46922.2					
26752.7 (9) 11082.1	26768.9 (8) 46931.2				8
26752.8 (9) 11084.7	26768.9 (10) 11103.9			26797.3 (9) 11091.6	9
26754.4 (9) 46909.3	26765.4 (10) 11105.0		26780.2 (7.9) (19) 46886.6 11116.5		10
26757.7 (10) 46893.2 11108.4					11
	26769.5 (12) 11129.3				12
				26791.8 (13) 11131.7	13
26758.1 (4¾) COR. 11169.6				26799.6 (13) 46859.2	14
26758.5 (15) COR. 11173.0	26766.9 (15) 11186.9	26779.5 (15) 11172.0		26790.5 (14) 46819.3	15
			26780.6 (16½) 46822.6	26796.3 (17) 11189.4	16
26755.7 (17) R. 11187.4				26790.1 (17) 11193.6	17
		26778.1 (18) 11199.5		GOLDEN DAWN 26797.4 (18) 11215.0	18
26757.4 (19) 46796.8				26794.8 (19) 11244.4	19
				WR. 26798.0 (20) 11237.1	20
					21
					22
					23
			26786.1 (24) 11241.8		24
	BIG PIPE 26766.6 (25) 11241.3				25
		BUOY 26777.2 (26) 46773.9		R. 26798.4 (26) 11249.0	26
			26787.4 (27) 11248.2		27
26757.9 (28) 46769.1					28
					29
		26774.5 (30) 11264.7	26786.5 (31) 11279.7		30
		26776.7 (31) 11277.3	26787.7 (31½) CANDY NT. 11285.3	26792.4 (31) 11274.3	31
26752.0 (32) 11268.6	807.5 26768.9 1.5 11284.6	26778.1 (32) 11281.9			32
					33
	26766.7 (34) 11296.6				34
				26797.9 (35) 11305.2	35
					36
CHURCH STEEPLE R. 26755.5 (37) 11306.7	26764.9 (37) 11301.6		R 26787.8 (37) 11315.0		37
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					43
BUOY 26757.9 (44) 46769.1					44
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					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		26817.5 (14) 11037.6	26826.5 (14) 11038.4	26836.0 (3) 46970.3	26843.0 (X) 11042.3
2			26826.7 (1½) 46975.4	26838.8 26834.0 (3½) 46968.4 46966.3	
3		26813.9 (4¼) 46964.0		26838.0 (5) 46960.0	26847.6 (3) 46970.0
4		26814.2 (4¾) 11047.4	26827.2 (4) 46970.5	26837.1 (5½) 46957.8	26841.5 (3½) 46966.7 26842.5 (4) 46965.7
5	26800.9 (5) 46959.0	26819.3 (5¼) 46957.2	26820.2 (4¾) 46945.4	26830.2 (5¾) 46954.1	26846.0 (3½) 46968.2 26841.0 (4½) 46964.3
6	26800.0 (4) 46954.1	26812.7 (4¾) 46962.1	26824.2 (4¾) 46961.9	26837.7 (5¾) 46953.5	26849.9 (6) 46953.4
7		26812.0 (6¼) 11047.0	26821.8 (7) 46943.4	26835.0 (1) 46945.0	26844.8 (8) 11078.1
8	26800.5 (8) 11083.3			26837.8 (2) 46934.7	26844.7 (8) 46922.8
9	26800.5 (9) WR 11088.3		26829.3 (9) 11104.4	26836.0 (8) 46920.9	26844.2 (8) 46922.1
10	26803.0 (9) 11094.1		26826.1 (10) 11123.4	26837.1 (9) 11100.4	26841.6 (10) 11124.2
11				26831.3 (10) 11123.7	
12	26803.5 (12) 11131.6				26849.0 (12) 46884.5
13	26800.0 (13) 46870.4			26837.1 (13) 46894.4	
14	26802.5 (14) 11165.2	26817.3 (14) 46858.6		26838.7 (14) 11163.9	
15	26806.6 (15½) 11183.2	26813.1 (14) 11047.3			26848.2 (15) 46934.6
16	26802.7 (16) 11180.2	26819.0 (16) 11180.9			26841.9 (17) 11202.0
17					26846.0 (17) 11203.2
18	26800.3 (19) 11214.2	26819.9 (18) 11217.7	26829.6 (18) 11217.6		26847.9 (17) 11207.1
19	26801.9 (19) 11223.5	26818.3 (19) 11227.3	26820.0 (19) 46794.0		26847.1 (17½) 11212.7
20	26807.2 (19) 11227.6	26810.4 (19) 11230.1			26847.0 (19) 11227.1
21					
22					
23				26837.7 (23) 11299.8	
24		26813.0 (24) 11245.2			26845.7 (24) 11254.0
25			26825.0 (25) 46773.1	26831.5 (23) 46774.2	
26					
27			26824.0 (27) 11259.1	26839.7 (27) 11261.5	
28				26837.4 (28) 11265.8	
29					
30					
31					
32					
33			26820.2 (33) 11295.9	26833.5 (33) 11294.0	
34					26849.7 (34) 11308.3
35					
36					
37		26814.5 (37) 11323.0			
38					
39				26835.1 (39) 11334.5	
40	26807.3 (40) 11331.6				
41					
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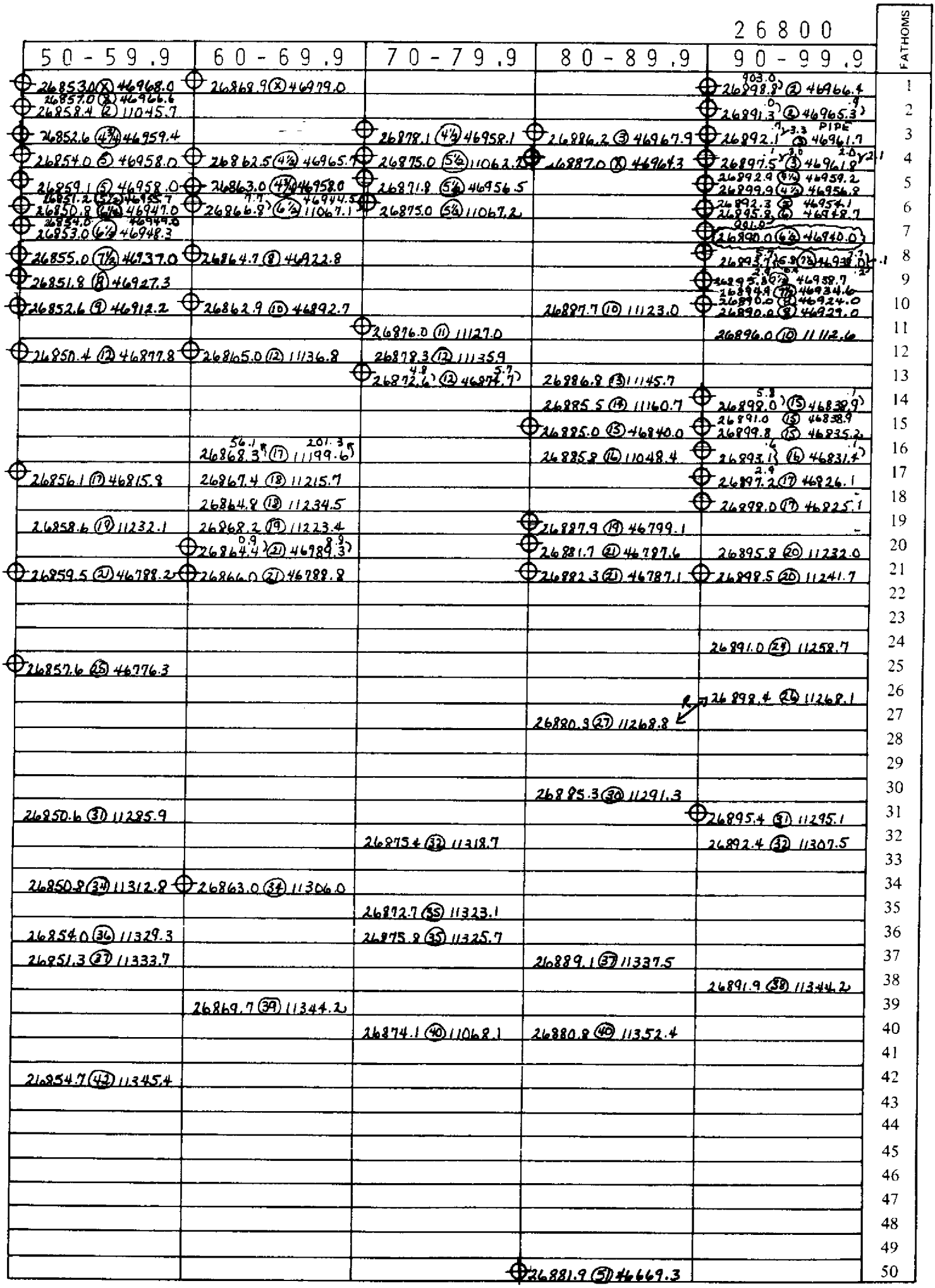
26800
50 - 59.9
60 - 69.9
70 - 79.9
80 - 89.9
90 - 99.9
FATHOMS
26853.0 X 46968.0
26857.0 1 46966.6
26858.4 2 11045.7
26852.6 3 46959.4
26854.0 5 46958.0
26859.1 6 46958.0
26851.2 7 46955.7
26850.8 8 46947.0
26854.8 46949.0
26853.0 6½ 46948.3
26855.0 7½ 46937.0
26851.8 8 46927.3
26852.6 9 46912.2
26850.4 12 46897.8
26856.1 17 46815.8
26858.6 19 11232.1
26859.5 21 46788.2
26857.6 25 46776.3
26850.6 31 11285.9
26850.8 34 11312.8
26854.0 36 11329.3
26851.3 37 11333.7
26854.7 42 11345.4
26868.9 X 46979.0
26862.5 4½ 46965.7
26863.0 4¾ 46958.0
26866.8 6½ 46944.5
26864.7 8 46922.8
26862.9 10 46892.7
26865.0 12 11136.8
26868.3 17 11199.6
26867.4 18 11215.7
26864.8 18 11234.5
26868.2 19 11223.4
26864.4 21 46789.3
26866.0 21 46788.8
26869.7 39 11344.2
26878.1 4¾ 46958.1
26875.0 5¼ 11062.7
26871.8 5¼ 46956.5
26875.0 5¼ 11067.2
26876.0 11 11127.0
26878.3 12 11135.9
26872.6 12 46874.7
26874.1 40 11068.1
26886.2 3 46967.9
26887.0 X 46964.3
26886.8 13 11145.7
26885.5 14 11160.7
26885.0 15 46840.0
26885.8 16 11048.4
26887.9 19 46799.1
26881.7 21 46787.6
26882.3 21 46787.1
26880.3 27 11268.8
26885.3 30 11291.3
26875.4 32 11318.7
26872.7 35 11323.1
26875.8 35 11325.7
26889.1 37 11337.5
26880.8 40 11352.4
26881.9 51 46669.3
26898.8 2 46966.4
26891.3 2 46965.3
26892.1 3 46961.7 PIPE
26897.5 3 46961.8
26892.9 4¾ 46959.2
26899.9 4½ 46956.8
26892.3 5 46954.1
26895.8 6 46948.7
26890.0 6½ 46940.0
26893.7 7½ 46938.0
26895.8 7½ 46938.7
26894.9 7½ 46934.6
26890.0 8 46924.0
26890.0 8 46929.0
26896.0 10 11112.6
26898.0 15 46838.9
26891.0 15 46838.9
26899.8 15 46835.2
26893.1 16 46831.4
26897.2 17 46826.1
26898.0 17 46825.1
26895.8 20 11232.0
26898.5 20 11241.7
26891.0 24 11258.7
26898.4 24 11268.1
26895.4 31 11295.1
26892.4 32 11307.5
26891.9 38 11344.2

26900

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1	26903.6 (2) 46966.5				26945.9 (34) 11062.1
2	26906.1 (2) 46965.6				26945.1 (34) 11060.6
3	26907.3 (24) 46963.4 26902.1 (25) 46962.0	26911.5 (3) 46958.5 26919.1 (4) 46957.3	26929.5 (34) 46958.3	26933.0 (34) 46955.5	26946.0 (3) 46955.6
4	26902.5 (25) 46962.7	26918.0 (4) 46955.7	26928.0 (34) 46957.5 26923.7 (35) 11096.3	26939.6 (34) 46950.6	26946.5 (4) 46952.3 26946.0 (4) 46951.1
5	26901.0 (5) 46948.5	26911.0 (5) 46950.0	26925.0 (5) 11060.9	26932.2 (5) 46949.5	26941.5 (4) 46950.1
6	26909.3 (26) 46939.4 26908.0 (9) 46908.9	26919.9 (6) 46946.5	26927.7 (5) 46948.8 26926.5 (5) 46948.7	26936.0 (6) 46945.2	26940.7 (4) 46949.8
7	26901.3 (9) 46908.1	26918.0 (6) 46943.8	26921.0 (5) 46947.4		
8	26906.6 (9) 46907.6 26906.1 (9) 46906.1	26915.0 (6) 46942.5 26910.9 (6) 46939.1	26929.5 (9) 46910.8	26933.0 (8) 11093.0	26947.3 (8) 11101.0
9	26902.0 (9) 11105.4	26910.0 (8) 46929.9 26911.8 (9) 46906.6	26927.5 (9) 11104.2	26935.0 (8) 11102.5	26949.0 (8) 46915.8
10	26902.3 (10) 46895.1	26919.3 (9) 11122.9	26928.4 (9) 11107.5	26939.7 (10) 11133.6	
11		26916.2 (10) 11126.7 26916.6 (10) 11133.3	26927.8 (34) 11100.3		26949.8 (12) 11154.4
12			26927.9 (11) 46881.1	26930.1 (12) 11148.6	26941.0 (12) 11157.1
13	26904.2 (14) 11187.6		26923.7 (11) 11144.0	26933.1 (12) 11155.0	26940.4 (12) 11161.3
14	26901.6 (14) 11191.2				
15					
16			26923.0 (14) 46834.8		
17					26946.0 (17) 11211.3
18		26916.1 (18) 46818.5			
19	26905.6 (19) 46803.4	26918.0 (19) 46810.2 26919.0 (19) 11224.6	26929.2 (19) 11224.6		
20		26910.3 (19) 11240.1	26920.0 (19) 11227.0		
21		26917.1 (20) 11236.3			26942.6 (21) 46789.9
22		26918.6 (20) 11243.7		26937.0 (22) 11260.0	
23					
24					
25	26901.2 (25) 11266.5		26923.0 (25) 11270.5		
26					
27					
28		26919.5 (28) 46762.9			
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					
43		26912.7 (43) 11365.6	26921.3 (43) 11365.8		26948.9 (43) 11371.2
44	26904.0 (44) 11371.5		26924.1 (43) 11377.3		
45					
46					
47					
48					
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26900

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
26957.1 ② 26956.2	26969.9 ⓧ 46959.7	26975.4 ① 46957.2	26981.9 ① 46955.0		1
26950.8 ② 11039.4 26950.9 ③ 46956.5	26967.9 ⓧ 46958.8	26975.3 ② 46955.9	26988.5 ② 46951.6	26998.5 ③ 46951.5	2
26952.8 ②½ 46955.0 26952.5 ③ 46953.2	26967.9 ④ 46956.5	26972.3 ② 46952.7	26986.0 ③ 46950.3	26993.0 ③ 46949.8	3
26950.8 ③½ 46952.6 26950.7 ④ 46951.9	26962.0 ③ 46951.5	26973.2 ③ 46951.6	26980.8 ④ 46947.4	26990.0 ③½ 46940.0	4
26950.0 ④ 11270.3 26959.1 ⑤ 46946.3	26968.0 ③½ 46950.3	26977.0 ⑤ 46944.5	26987.9 ④ 46947.0 26984.0 ④ 46946.3	26992.0 ⑥ 46939.2	5
	26960.0 ⑤ 46946.9		26987.2 ⑦ 46934.2	26991.2 ⑥½ 46935.1 26990.4 ⑥¾ 46934.7	6
26951.9 ⑦ 11082.3		26975.0 ⑧ 11098.0	26983.0 ⑦½ 46930.4	26991.2 ⑦ 46933.4	7
26951.0 ⑧ 46919.0	26964.5 ⑦½ 46929.9	26979.5 ⑧ 11108.9	26984.0 ⑧ 46912.2	26994.8 ⑦ 46929.3 26998.0 ⑦ 46928.6	8
26953.0 ⑧ 46916.6		26973.5 ⑧½ 11115.6		26999.5 ⑨ 11098.0 26992.0 ⑧ 46913.8	9
26950.0 ⑨ 11100.8 26953.1 ⑩ 46891.0	26969.5 ⑩ 46894.8	26971.3 ⑨ 11129.4		26999.2 ⑨ 46912.5 26993.0 ⑨ 46895.0	10
26957.8 ⑪ 11146.0				26994.5 ⑨ 46887.0	11
					12
					13
					14
26959.4 ⑮ COR. 11193.4			26980.0 ⑮ 11192.4		15
		26973.0 ⑯ 11202.2			16
	26968.2 ⑰ 46828.3		26985.1 ⑰ 11116.6		17
					18
	26960.9 ⑲ 11225.2	26973.9 ⑲ 11233.3		26997.3 ⑲ 11249.7	19
26951.6 ⑳ 11238.6					20
	26969.5 ㉑ 46794.8	26970.5 ㉑ 46795.6	26989.6 ㉑ 11253.9		21
26956.2 ㉒ 46790.4		26973.2 ㉒ 11272.0		26993.1 ㉒ 46789.5	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 C. 11302.5			29
			26988.0 ㉚ 46750.2		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
	26961.1 ㊴ 46811.8		26996.9 ㊴ 11370.1	26899.1 ㊴ 11358.8	39
		SCATTERED CORAL ← 26979.0 ㊵ 11375.9			40
	26963.3 ㊶½ 11371.4				41
					42
			26987.6 ㊸ 46693.5		43
					44
					45
	26964.5 ㊻ R 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	27002.5 (X) 46954.4	27017.0 (X) 46959.2 27015.0 (2) 46950.0 -49.5		27033.0 (X) 46959.5	27049.8 (1½) 46950.0
2	27000.2 (1½) 46949.8	27013.5 (2) 46949.2	27029.6 (2) 11076.1 46948.1		27048.2 (2½) 46946.1
3		27015.0 (X) 46949.9		27037.0 (4½) 46942.7	
4	27003.4 (4¾) 11080.0			27032.5 (9½) 46942.0	27045.3 (4) 46945.9
5	27000.9 (6) 46931.9	27012.0 (6) 46940.3		27039.2 (6½) 46927.1	27047.1 (5) 46941.5
6	27003.3 (6) 46941.0 27008.0 (6) 46939.0	27018.5 (6) 46938.0	27022.0 (6) 46938.7	27034.7 (6½) 46926.4	27043.9 (6¾) 46926.2 27046.0 (6¾) 46924.9
7	27000.9 (6¾) 46934.7 wk 27000.9 (7) 46931.2	27010.0 (6) 46936.1 27011.2 (7) 11095.8	27026.4 (7½) 46897.9	27035.2 (7) 46899.7 27033.0 (7) 46899.1	27045.6 (7) 46925.0 27046.0 (6¾) 46925.5
8	27005.0 (7) 46924.0 27008.0 (7) 46927.4	27015.1 (7) 46929.1 27013.2 (7) 46914.5			27041.7 (7½) 46902.5 27048.3 (7) 11141.3
9	27003.0 (7) 46916.0 27009.0 (7) 46919.9	27019.2 (7) 46916.0 27013.3 (9) 46889.2	27022.7 (9) 46884.8	27036.9 (9) 11150.7	27049.7 (9) 46893.9 27040.6 (9) 46890.9 -6 11153.5
10	27003.3 (8) 46900.0 27009.0 (10) 46873.1	27010.6 (10) 46879.8		27030.9 (9) 46891.6	27042.5 (9) 46885.8
11		27010.1 (10) 46877.8 27010.5 (10) 46815.4			
12	27000.1 (12) 46873.1				
13	27008.7 (13) 46857.2	27012.7 (13) 11184.4 27016.3 (13) 46853.6		27035.2 (13) 11198.9	27046.2 (13) 46853.7
14		27010.4 (13) 46845.7		27030.1 (14) 46846.2	
15					27049.7 (16) 11211.3
16	27005.5 (16) 46831.2	27010.0 (16½) 46826.6			27048.4 (17) 46821.8
17				27030.7 (17) 46822.4	27047.0 (17) 46769.4
18				27036.6 (18) 46817.7	27047.5 (17) 46813.2
19	27003.0 (19) 46803.1				
20		27011.8 (20) 46803.8			
21					
22			27029.0 (22) 46791.8		27042.0 (22) 46783.7
23		27012.0 (23) 11282.3	27021.0 (12) 46786.1	27031.8 (23) 11281.7	27045.9 (23) 11300.2
24	27004.1 (24) 11290.2				
25	27007.5 (24) 11297.6				
26					
27					
28					
29					
30	27005.6 (30) 11331.1	27012.5 (31) 46736.7			
31	27005.7 (31) 11340.0	27011.2 (31) 11334.1 R	27024.1 (31) 11339.9 R	27034.5 (31) 11334.4	27042.0 (31) 46739.7
32	27006.0 (32) 46739.6	27013.2 (32) 11338.7 R	27028.4 (31) 46740.4	27032.5 (31) 46736.8	27043.7 (32) 11341.9 +7.8R +5.0R
33		27018.3 (32) 46733.9			27049.4 (33) 11356.5 R
34				27030.4 (33) 11353.8 ODR.	27040.5 (33) 11355.7
35					
36					
37					
38	27008.0 (38) 46708.7	27010.4 (38) 11368.7	27024.0 (38) 46708.2	27036.5 (38) 46708.6	27043.5 (38) 11381.9
39	27007.8 (39) 11376.1	27011.5 (38) 46704.8	27029.2 (38) 11374.0		
40	SCATTERED CORAL 27010.6 (40) 11385.0				
41	27008.0 (41) 46694.9	27013.8 (41) 46694.3			
42					
43					
44					
45	27009.9 (45) 46683.9				
46					
47		27017.0 (47) 46679.9			
48				27035.0 (48) 46680.5	
49					
50					

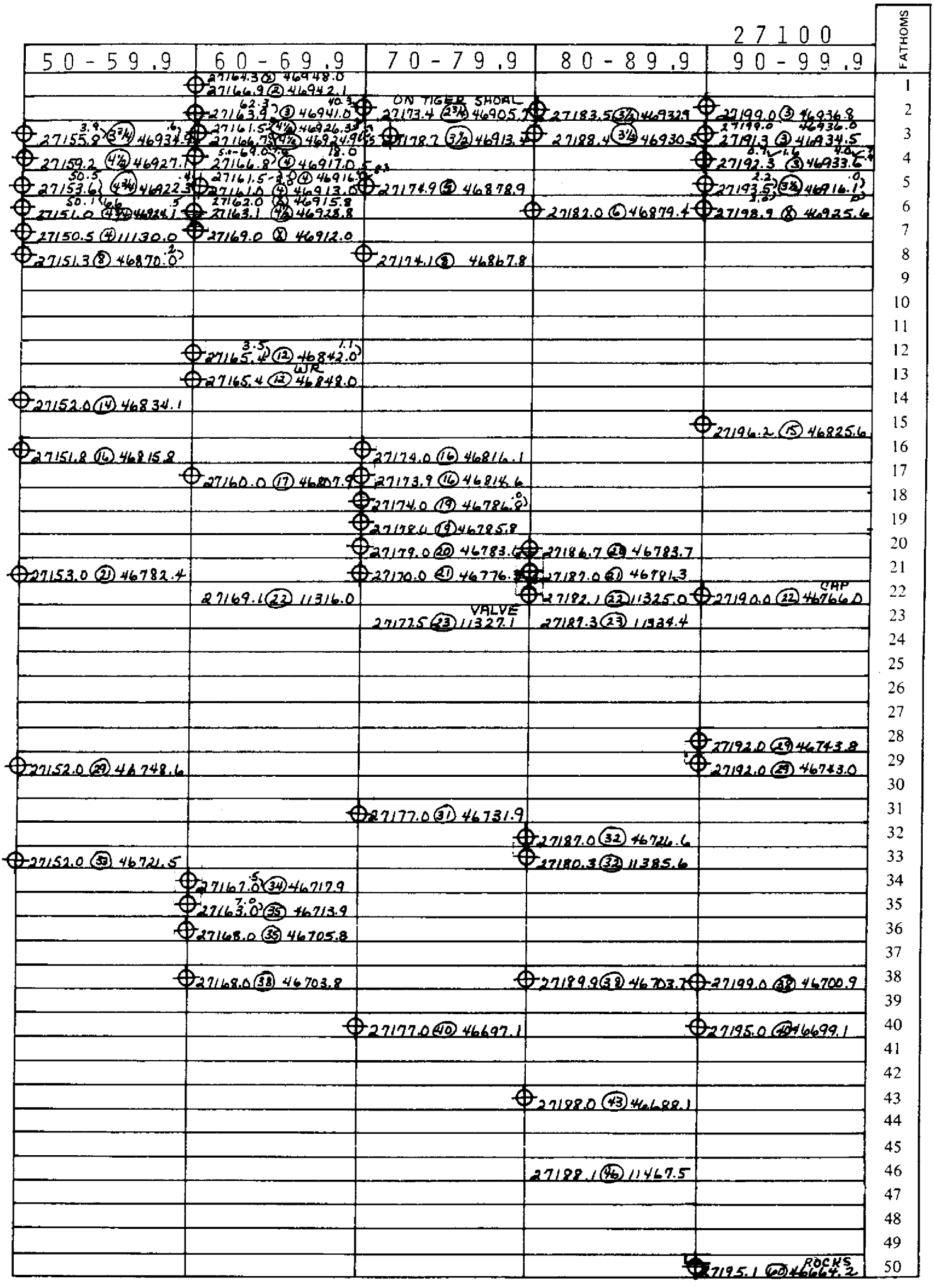
27000

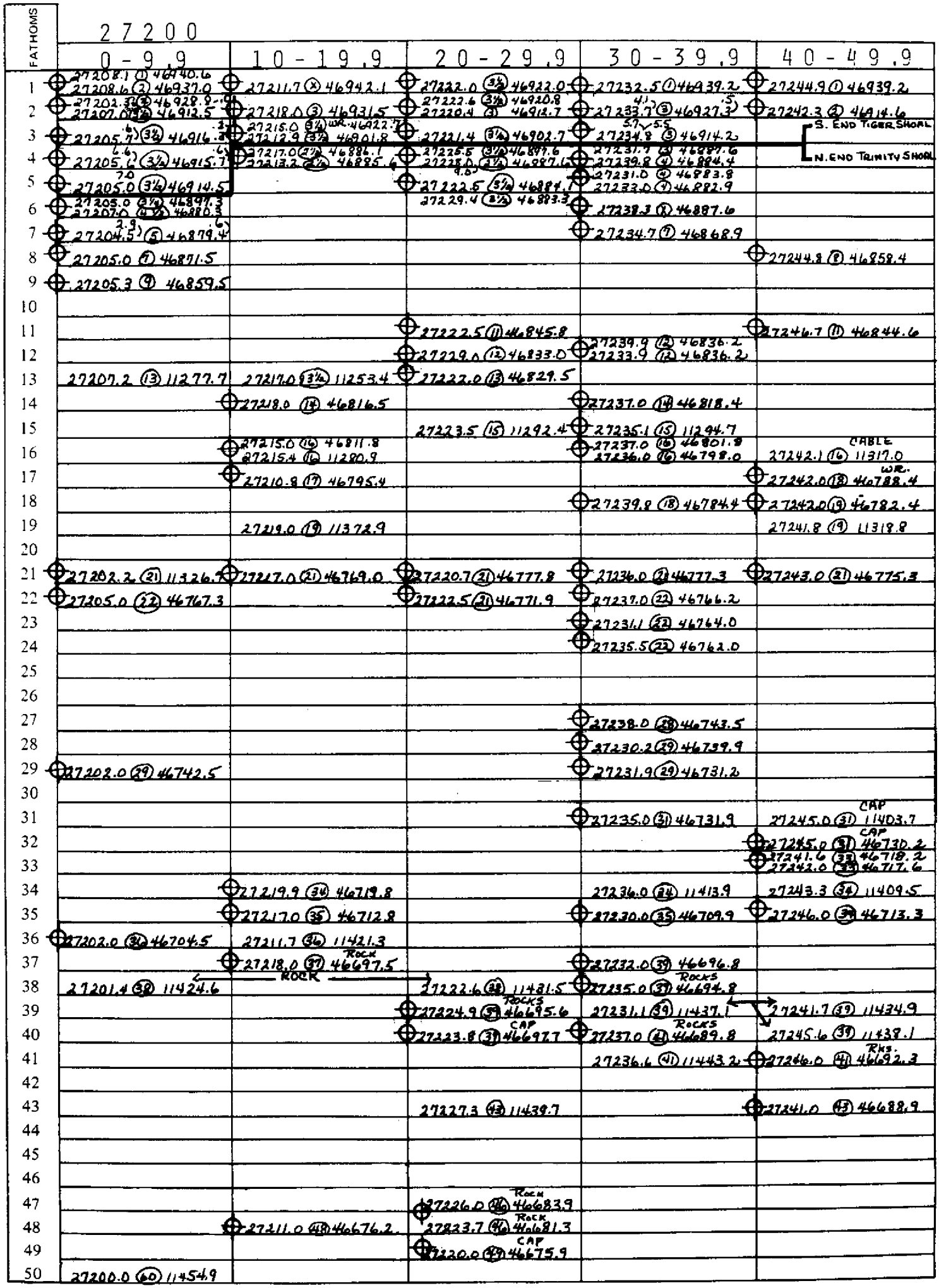
FATHOMS	50 - 59.9	60 - 69.9	70 - 79.9	80 - 89.9	90 - 99.9
1	27054.3 (X) 46949.2 27059.0 (X) 46948.7	27065.6 (1) 11086.3		27089.3 (X) 46947.0	
2	27056.2 (X) 46947.0 27057.2 (4) 46942.0		27075.0 (X) 46946.4	27089.1 (3) 46942.3 27082.0 (4½) 46936.0	27090.1 (4) 46908.8
3	27060.0 (6) 46939.4 27050.3 (6) 46934.2		11093.0	27082.5 (5) 46935.5 27087.0 (5) 46932.5	27094.9 (4) 46906.9
4	27053.3 (6) 46931.2 27055.0 (6) 46924.0	27061.0 (5½) 46936	27073.4 (5) 46935.7 27078.2 (5) 46907.3	27089.3 (5) 46931.6	27093.0 (4½) 46895.0
5	27056.2 (6) 46922.1 27050.3 (6) 46912.8	27061.9 (5¼) 46933.6 27068.0 (6) 46926.5	27075.6 (5) 46904.6 27074.3 (5) 46896.2	WR 27089.2 (5¼) 46926.5	27090.0 (5¼) 46931.7
6	27050.3 (6) 46909.2 27054.9 (6) 46906.5	27064.0 (6) 46926.8	11159.2 27072.5 (6) 46887.3	27080.0 (5½) 46914.5 27086.6 (5) 46891.6	27097.0 (5) 46913.2 27091.6 (4½) 46909.7
7	27058.4 (6) 46891.9 27051.0 (7) 46890.9	27068.0 (6) 46922.1	27077.7 (7) 46885.6	27081.2 (6) 46898.7 27089.0 (5) 46887.1	27094.6 (5) 46906.5 27098.3 (7) 46876.4
8	27051.0 (7) 468950	27066.0 (6) 46896.1	WR 27076.1 (8) 46881.1	27082.0 (6) 46886.0 27089.0 (8) 46877.1	27091.2 (8) 46869.6
9	27058.5 (9) 46879.9 27051.8 (10) 46870.9	27062.8 (6) 46893.9	27071.8 (8) 46879.9	27087.5 (9) 46873.7 27086.2 (9) 46872.1	
10			27072.0 (9) 46875.1	27089.0 (8) 46871.0	
11			27070.1 (11) 46860.0		
12		27066.8 (12) 46850.5		27085.9 (12) 46857.3	
13		27066.0 (13) 46852.2		27080.0 (13) 46843.9	
14	27054.2 (14) 46838.8	27060.9 (14) 11207.9 27068.7 (14) 11213.8	27079.9 (14) 46833.1		27093.4 (15) 11225.9
15		27062.0 (14) 46841.6	27073.0 (15) 46829.8	27082.0 (15) 46829.9	27096.0 (15) 46830.1
16			27072.0 (16) 11234.3		27098.9 (16) 46824.6
17	27056.4 (17) 46818.3				
18					
19					27092.3 (19) 11258.4
20					
21		27060.6 (21) 11271.4	27070.5 (21) 46795.6	27087.2 (21) 46792.1	27099.9 (21) 46792.4
22	27051.7 (22) 11272.0	27063.1 (22) 11287.6	27072.5 (22) 46791.4	PIPELINE 27084.0 (22) 46787.0	
23		27065.0 (22) 46781.7			
24	27058.0 (24) 11294.7				
25					
26					
27					
28					
29				27083.0 (29) 46748.4	
30			CAP 27072.9 (30) 46749.2		
31		27067.8 (31) 11348.8	JEANE'S ROCK 27077.1 (31) 11355.6	27082.5 (31) 46730.8	
32			27076.6 (31) 46734.9		
33	JIM'S ROCK 27052.4 (33) 11360.6	ROCK 27068.0 (33) 46722.4			
34	27059.9 (33) 46725.9		27073.0 (34) 46719.9		
35					
36	Q. 27052.2 (36) 11390.7	27064.3 (36) 11371.1			
37	27057.0 (37) 46706.9	27062.7 (36) 11383.7			
38	27055.0 (38) 46705.2	27068.0 (36) 46715.4 RK 27065.0 (36) 46706.1			27095.2 (38) 46702.8
39					
40					
41					
42					
43					
44					
45	27053.1 (45) 46683.9	27062.6 (45) 11409.9			
46					
47					
48					
49					
50					

FATHOMS

27100

0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1 27100.7 (3¼) 46898.9	27115.0 (3) 11092.2			
2 ON TRINITY SHOALS 27102.1 (2¼) 46886.2	27115.3 (3¼) 46902.3 27114.5 (3¼) 46938.7		27132.4 (3¾) 46938.6	
3 27107.0 (3¼) 46898.8	27113.2 (3¾) 46904.9 27110.5 (4¼) 46918.5	27129.6 (4¼) 46919.1	27136.0 (3¾) 46936.9	27144.4 (3) 46901.5
4 27107.3 (3¾) 46911.9	27113.5 (4¼) 46934.8 27113.0 (4¼) 46915.8	27128.0 (4¼) 46885.0	27132.2 (4¼) 46920.2	27143.8 (3¾) 46939.0 27145.0 (4) 46936.0
5 27107.3 (3¾) 46984.8	27115.0 (4¾) 46934.0 27119.0 (5¼) 46930.0	27127.0 (5) 46931.0	27132.8 (4¾) 46918.2	27144.0 (4¼) 46932.3 27146.0 (4¾) 46922.3
6 27100.7 (4) 46908.3	27113.5 (5¼) 46931.9	27121.5 (5) 46924.0 27126.0 (5) 46922.0	27133.7 (4¼) 46916.5	27144.6 (4¾) 46920.5
7 27107.3 (4) 46907.3	27115.3 (5¼) 46923.6 27113.6 (5) 46911.4	27128.4 (5) 46919.9	27130.3 (4) 46919.8	27143.0 (4¾) 46913.8
8 27104.0 (7) 46876.0	27111.7 (8) 46870.7	27125.0 (8) 46869.9	27134.1 (4¼) 46913.0	27148.8 (8) 11184.4
9	27119.8 (10) 46864.3			
10	27115.9 (10) 46863.3	27128.7 (10) 46862.6		
11	27114.0 (10) 46962.4		27139.4 (11) 46857.2	27142.6 (11) 46858.7
12 27104.8 (12) 46855.8 27101.7 (13) 46854.9		27129.8 (12) 46853.8		
13	27113.0 (14) 46836.0			
14	27112.7 (14) 46832.8	27121.0 (14) 468339		
15	27113.8 (15) 46825.1	27125.0 (14) 46830.0		
16 27101.4 (16) 46822.9	27110.2 (16) 11245.6			
17				
18 27106.2 (18) 11250.0				
19	27112.9 (19) 11294.6			
20				
21 27107.8 (21) 46790.4				
22				27144.4 (22) 11307.5
23				27145.6 (23) 11314.9
24	27114.7 (24) 46769.2		27139.0 (24) 11311.5	
25				
26				
27				
28				
29			27132.0 (29) 46749.6	
30 27105.1 (30) 46741.9	27113.0 (30) 46742.1			
31		27127.0 (31) 46736.9 27127.0 (31) 46736.0		
32 27104.9 (32) 11364.5	27119.0 (32) 46730.1		27139.1 (32) 11378.1	
33				
34 27107.5 (34) 46717.1	27117.5 (34) 11378.1		27132.0 (34) 46716.1	27143.0 (34) 46715.6
35	27119.0 (36) 46717.8	27123.0 (35) 46713.6		
36				
37		27120.1 (37) 11395.6		27145.0 (37) 46701.4
38 27104.0 (38) 46702.3				
39				
40				
41				
42				
43		27121.3 (43) 11419.8	27137.9 (43) 11424.9	
44				
45				
46				
47				
48				
49				
50				


27100
50 - 59.9
60 - 69.9
70 - 79.9
80 - 89.9
90 - 99.9
FATHOMS
ON TIGER SHOAL
VALVE
ROCKS


FATHOMS
27200
0 - 9.9
10 - 19.9
20 - 29.9
30 - 39.9
40 - 49.9
S. END TIGER SHOAL
N. END TRINITY SHOAL
ROCK
CABLE
WR.
CAP
ROCKS
Rks.

27200

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
27251.3 (1½) 46941.3 27250.3 (1¾) 46935.7	27263.6 (2) 46912.1		27280.7 (1) 11123.0 27283.0 (1¾) 46931.0	27297.9 (1½) 46929.5 27290.0 (1¾) 46918.0	1
27252.5 (2½) 46912.5	27269.5 (2) 46909.8		27281.5 (2½) 46924.2 27295.2 (2½) 46916.3	27299.1 (2) 46915.4 27297.5 (2) 46906.5	2
27252.5 (2½) 46910.7	27269.5 (3¼) 48889.0	27270.7 (3¼) 46889.9	27284.0 (2¼) 46908.5	27297.5 (3¼) 46901.7 27298.9 (4) 46889.6	3
	27261.6 (4) 46881.2				4
	27263.5 (4) 46882.9		27289.0 (5¼) 46871.0		5
					6
					7
		27274.8 (8) 11230.6	27280.1 (9) 46852.1		8
27252.2 (9) 46847.2					9
	27268.2 (10) 46843.0				10
		27274.8 (11) 46830.6	27288.0 (12½) 46820.3		11
	27265.9 (12) 46834.8	27277.0 (12) 46825.9	27285.4 (12½) 11278.9		12
		27279.0 (13) 46821.2		27293.8 (13) 46818.1 27298.0 (13) 46818.0	13
		27279.0 (15) 46802.9		27296.5 (14) 46811.1	14
27258.0 (15) 46801.0	27267.0 (15) 46801.2	27277.7 (15) 11302.0		27292.6 (15) 46800.4	15
					16
		27278.7 (17) 11317.1	27289.6 (17) 46785.5	27290.8 (17) 46786.4	17
27252.9 (18) 11316.7			27289.8 (17) 46784.4		18
					19
					20
27258.0 (21) 46774.0	27268.0 (22) 46762.7				21
	27266.5 (22) 46769.2				22
	27267.3 (23) 11352.6				23
	27268.0 (23) 46762.7	27277.6 (24½) 11361.3			24
					25
				27299.9 (26) 46746.8	26
					27
27251.3 (28) 11375.4	27268.8 (28) 46744.4				28
					29
	27262.0 (30) 46730.0				30
					31
27256.0 (32) 46728.0	27264.0 (32) 11412.1	27272.3 (32) 11407.9	27283.0 (32) 46726.1		32
27254.3 (33) 46717.8					33
				27297.0 (35) 46706.8	34
	27266.0 (35) 46712.2		27288.0 (35) 46711.2	27297.9 (35) 11434.9	35
					36
27258.0 (37) 46704.8					37
27252.3 (38) 11429.7					38
					39
					40
			27287.0 (42) 46693.8		41
			27286.5 (42) 11452.9		42
			27288.0 (44) 46684.7		43
	27265.1 (44) 46683.9		27288.6 (44) 11466.5	27298.9 (44) 11471.1	44
			27289.0 (44) 46683.2		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	27309.9 (1a) 46926.7 27307.8 (1b) 46922.7	27315.6 (2a) 46903.1	27320.0 (2a) 46911.5		
2	27308.4 (2) 46919.7	27314.8 (3) 41402.6	27320.0 (2a) 46908.8	27331.1 (2) 46927.3	27344.0 (2a) 46911.0
3	27303.0 (2x) 46918.0 27305.8 (3) 46904.3	27318.1 (5) 46900.5	27326.0 (3) 46907.9	27338.2 (2x) 46916.4	27340.0 (3a) 46897.3
4	27307.8 (4) 46893.2	27319.1 (4) 46892.9	27324.0 (5) 46906.3	27334.0 (2a) 46911.4	
5		27318.1 (4) 46890.9		27335.2 (2a) 46914.7	
6		27317.0 (6) 46865.9		27333.4 (6a) 46861.8	
7		27319.8 (7) 46854.3	27329.0 (7a) 46855.5	27336.0 (6a) 46858.0	
8					
9	27307.5 (9) 46849.7 27305.9 (9) 46842.1				
10			27326.9 (10) 46832.9		27342.2 (10) 46839.1
11	27300.0 (11) 46835.0	27311.5 (11) 46837.6	27325.4 (11) 46827.9		
12		27319.0 (12) 46818.0	27320.0 (12) 46817.0		
13			27327.5 (13) 46809.9	27330.9 (13) 11304.2	27344.9 (13) 46804.1
14		27317.8 (14) 11322.6		27336.5 (14) 11320.8	
15			27327.2 (15) 46792.4	27335.3 (14) 46800.6	
16	27304.4 (16) 11337.5	27316.0 (16) 46790.5 27313.0 (16) 46788.4	27321.0 (16) 46789.9		
17			27321.0 (17) 46779.9		27349.8 (18) 46773.7
18	27305.0 (18) 11342.8	27319.2 (18) 11346.5	27323.0 (18) 46776.8	27331.0 (18) 11346.6	27347.9 (18) 11356.4
19	27309.0 (18) 46778.9		27327.9 (19) 46772.0		
20					
21		27317.0 (21) 11352.1			
22			27322.7 (22) 11350.5	27338.3 (23) 46758.0	27340.0 (23) 46758.9
23		27310.7 (23) 46751.0	27326.3 (22) 11368.0	27337.8 (23) 11375.4	27348.9 (23) 46756.5
24	27306.3 (25) 46751.7				
25	27304.2 (25) 11363.8				27349.8 (25) 46756.8
26	27309.3 (26) 11365.2		27320.4 (26) 46747.2		
27			27320.4 (26) 46744.2		
28		27315.5 (28) 11395.4	27322.0 (28) 46742.3 27321.0 (28) 46737.4		
29	27300.9 (29) 46731.6	27317.3 (28) 11403.1	27326.0 (29) 46736.5		27342.9 (29) 46731.2
30	27304.0 (31) 46726.1		27321.5 (29) 46732.7 27321.0 (29) 46730.4		
31	27300.0 (31) 46725.0	27319.0 (31) 46727.6		27339.0 (31) 46721.8	
32	27303.0 (32) 46724.5 27300.0 (32) 46722.0	27317.5 (31) 46724.0	27321.9 (33) 46720.6		
33	27300.6 (33) 46721.6 27301.0 (33) 46721.4	27313.0 (33) 46721.6	27320.8 (34) 46714.8	27337.0 (34) 46715.6	
34	27300.1 46721.1 27302.5 (34) 46719.3				27346.0 (34) 46710.9
35	27308.0 (34) 46717.5				
36					
37					
38			27325.0 (39) 46698.4		
39			27323.2 (39) 11458.6		
40					
41					
42					
43		27312.7 (43) 46686.9			
44					
45				27337.0 (45) 46679.2	
46			27323.0 (46) 46676.9		
47					
48	27309.0 (48) 46678.9				
49					
50					

27300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
		27374.0 (1¼) 46936.7	27388.0 (1) 46934.2		1
27355.0 (2¼) 46911.7		27372.6 (2) 46922.5 (3.6) BARGE	27384.2 (1¼) 46927.0		2
		27371.4 (3¼) 46899.6	27381.8 (3) 46880.6	27391.3 (3½) 11214.6	3
		27371.0 27372.0 (3¼) 46881.5 (46884.1)	27382.6 (4) 46871.6 (5)		4
27357.1 (5½) 46866.1	27365.9 (5½) 46866.6				5
				27392.0 (6½) 46855.5	6
					7
			27389.2 (8) 46842.4		8
					9
		27377.5 (10) 46827.5	27380.0 (10) 11280.0	27381.7 (10) 11294.3	10
27355.2 (11) 46824.7					11
27357.1 (12) 11309.4	27362.0 (12) 46808.8		27385.0 (12) 46806.0 WR.		12
27359.9 (13) 46802.3	27362.0 (13) 46802.3	27372.7 (13) 46805.5	27387.5 (13) 46798.9		13
			27380.2 (14) H344.1	27390.5 (14) 46788.5 WELL	14
		27374.1 (15) 46785.4		27398.4 (15) 11368.5	15
	27367.0 (16) 46781.4			27391.9 (15) 11370.9	16
27352.5 (17) 46775.1	27360.0 (17) 46795.9 (63.3 79.9 9.8 9.9 1.7)	8.0 27379.7 (18) 46766.6	27388.0 (17) 46772.7	27393.0 (15) 46781.8	17
27350.4 (18) 11360.2					18
27358.9 (19) 46763.3					19
27354.5 (20) 11379.2					20
		7.5 27379.3 (21) 46758.8 (9.1)		27397.0 (21) 46753.3	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
		27377.0 (31) 46727.0			31
				27392.2 (32) 11454.5	32
27352.5 (33) 46715.1	27363.6 (33) 46717.1				33
					34
27355.0 (35) 46705.0					35
					36
27352.0 (37) 46703.6					37
					38
	27362.6 (39) 11460.7 MUD HOLE				39
	27366.7 (40) 11475.5 CORAL Reef				40
		27370.1 (41) 46693.8			41
	27366.9 (42) 11490.7 MUD				42
					43
27357.9 (44) 11493.6					44
27359.0 (44) 46678.9		27374.3 (273') 11489.2			45
					46
					47
					48
					49
					50

27400

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1				27432.5 (1) 46919.9	27442.9 (1¼) 11170.1
2	27402.9 (2¼) 11170.1		27425.5 (2) 46911.9	27431.3 (2) 46911.9	
3		27419.3 (3¼) 46897.5	27427.4 (3¼) 46886.2	27431.1 (3) 46882.1	
4				27438.3 (3¼) 46858.0	
5		27412.8 (5) 46854.6		27437.1 (4) 46836.7 27439.5 (4¼) 46851.9	
6	27409.3 (6¾) 46849.4	27419.3 (6) 46852.7	27424.2 (6¾) 46848.4	27433.0 (5) 46843.7	
7	27406.0 (9) 46841.0				
8					27442.2 (8) 46839.1
9			27427.5 (11) 46809.9		27441.2 (9) 46838.8 27449.2 (8) 46838.6
10	27408.7 (10) 46826.0	27415.0 (10) 46835.1	27425.0 (12) 46800.0 WE.		27444.5 (11) 46809.1
11	27408.1 (11) 46814.7	27416.0 (11) 46813.8	27428.5 (13) 46796.2	27431.0 (11) 46800.7	27447.0 (11) 46808.0
12	27403.6 (12) 46806.1	27419.0 (13) 46799.2	27420.1 (13) 46794.9 27422.0 (13) 46792.3	27438.9 (12) 46796.2	27446.6 (12) 46801.1
13	27401.6 (13) 46800.1	27418.9 (13) 46796.0	27421.0 (14) 46789.9		27440.0 (12) 46796.1
14		27413.0 (14) 46788.4	27428.4 (14) 46782.1		
15			27421.0 (15) 46779.9		27447.0 (15) 46778.1
16			27422.8 (15) 46777.5		27447.0 (16) 46772.9 27446.0 (16) 46770.2
17	27400.6 (17) 11376.7		27428.3 (16) 46772.1 27428.0 (16) 46770.9		
18		27418.47 (18) 46763.4	27425.7 (18) 46765.2		27444.4 (18) 46758.8
19			27428.0 (19) 46758.5		
20					
21	27407.5 (23) 467509	27419.8 (21) 46742.1	27421.7 (21) 46750.4		
22	27402.0 (23) 46748.8		27425.9 (22) 46747.4		
23	27402.0 (23) 46748.0		27421.5 (23) 46744.0 27426.1 (23) 46742.1		
24					27449.6 (24) 467388
25					27449.0 (24) 46738.0
26		27416.0 (27) 46731.8	27428.0 (26) 46732.4 27421.0 (26) 46737.4	27432.8 (24) 46735.7 HIGH VOLTAGE CABLE	27445.3 (24) 11427.7
27		27413.0 (27) 46728.4	27421.5 (27) 46732.7 27424.8 (27) 46727.9	27430.6 (26) 46729.6 WELL	
28		27419.0 (27) 46727.6	27421.0 (27) 46730.4 27424.9 (28) 46724.1	27430.5 (27) 46726.9	
29		27417.5 (29) 46724.0	27420.1 (29) 46723.1		
30		27413.0 (30) 46721.6	27421.1 (29) 46722.2 27428.3 (29) 46721.1	27438.0 (30) 46716.1	27443.6 (30) 46720.0
31			27420.1 (30) 46720.1 27428.0 (31) 46717.9	27437.0 (31) 46715.6	
32			27422.9 (32) 46712.0	27434.4 (32) 11472.7	27445.0 (32) 46712.0
33	27403.5 (33) COR. 11459.0		27428.0 (33) 46707.8	27432.0 (33) 46708.3	27445.3 (33) 11470.1
34			27422.2 (34) 46708.9		27448.2 (34) 46706.4
35		27419.2 (35) 46705.5	27422.5 (36) 46702.3		
36					
37	27408.0 (37) 11478.4				
38		27416.0 (38) 46697.9	27425.0 (38) 46698.4		
39					27447.8 (39) 46689.8
40					
41		27412.7 (41) 46686.9			
42				27435.7 (42) 11507.1	27441.5 (42) 11498.4
43					
44					
45				27437.0 (45) 46679.2	
46					
47					
48					
49			27423.0 (49) 46676.8		
50					

27400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
27458.0 (8) 46905.0 WELL	27465.0 (14) 46927.0		27483.3 (2¾) 46908.1		1
27457.6 (8) 46900.3	27461.5 (14) 46919.2				
27455.42 (2¾) 46862.1	27462.2 (2¾) 46916.5		27481.9 (2¾) 46906.4	27498.5 (2) 46906.0 BAD	2
	27463.3 (2¾) 46904.0				
27450.1 (2¾) 46860.8	27460.0 (3) 46900.1		27483.0 (3¼) 46891.0	27495.0 (2¾) 46884.5	3
	27460.6 (3) 46879.0			27496.2 (2¾) 46897.6	
27457.6 (3¼) 46898.5	27460.9 (3¼) 46878.9		27483.3 (3¼) 46889.9	27495.0 (3¼) 46888.9	4
			27489.7 (6) 46844.9	27491.1 (3¼) 46888.2	5
					6
27451.7 (9) 46840.3	27468.9 (9) 46844.9				7
27456.0 (9) 46836.5	27465.0 (7) 46841.7				
27458.9 (10) 46830.0		27472.2 (10) 46823.0			8
27452.8 (10) 46829.6 WR		27472.2 (10) 46823.8 WR		27490.3 (9) 46827.9	9
27452.9 (10) 46821.8				27493.8 (9) 46818.1	
27452.8 (10) 46817.4		27478.1 (9) 46818.9	27489.8 (6) 46814.3		10
		27476.3 (10) 46815.6		27494.7 (11) 46803.1	11
					12
	27463.0 (13) 46781.2			27494.8 (13) 11387.2	13
					14
27454.9 (15) 46774.3		27472.0 (15) 46772.1			15
27453.0 (16) 46769.9			27494.7 (16) 46763.5	27494.0 (17) 46760.4	16
				27492.5 (17) 46758.6	17
					18
27453.5 (19) 46754.3					19
27456.8 (19) 11417.8					20
27458.8 (21) 46744.2			27483.0 (21) 46743.1		21
		27470.9 (22) 11438.8			22
	27467.1 (23) 46741.0	27472.0 (22) 46742.8			23
	27466.7 (24) 46734.7				
	27466.7 (24) 46739.7		27487.8 (24) 46733.9		24
	27467.8 (25) 46732.4		PIPELINE		
	27468.8 (25) 46731.2	27479.7 (25) 11463.4	27487.0 (25) 46728.5	27496.5 (25) 46730.5	25
		27479.0 (26) 46725.0	27485.2 (25½) 46726.0	27490.4 (26) 46726.3	26
	27465.0 (27) 46727.0		27480.0 (27) 11473.5		27
	27460.1 (28) 46723.3		27481.2 (28) 46717.8		28
	27462.2 (28) 46722.2				
		27471.0 (29) 46716.7	27482.9 (29) 46719.9		29
		27470.9 (30¼) 46716.7	27485.5 (30) 46714.5 ANCHOR		30
	27468.8 (31) 46716.8	27470.0 (31) 46716.9			31
27451.8 (32) 46710.2		27472.8 (32) 46716.4		27495.0 (32) 46711.4	32
				27499.0 (32) 46710.0	
27454.6 (32) 11476.8	27466.0 (33) 46705.2		27481.2 (33) 46706.4	27495.0 (33) 46706.8	33
			27486.1 (34) 46704.4		34
					35
		27475.0 (36) 46697.5		27495.8 (36) 46695.9	36
		46696.9			37
		27473.4 (37) 11499.4		27497.0 (38) 46693.8	
			27486.6 (38) 46692.0	27496.2 (38) 46686.2	38
27452.0 (39) 46688.0					39
					40
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					42
					43
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					48
				27492.5 (65) 46658.7	49
				27497.0 (308) 11554.0	50

ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

27500

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1	27504.0 (2½) 46907.0	27517.3 (2½) 46886.9		27536.3 (14) 46916.6	27540.6 (34) 46873.1 27547.0 (34) 46884.5
2	27504.8 46902.6 27507.9 (2½) 46884.4	27511.1 46885.6 27510.3 (2½) 46895.5	27522.5 (34) 46891.4	27538.6 (2) 46910.0 27533.8 (34) 46883.8	27547.4 (34) 46879.1
3	27505.7 27508.2 (3½) 46881.1 46859.7	27511.7 (34) 46880.9	27529.8 (34) 46883.7	27539.0 27530.2 (34) 46877.6 46881.6	27540.5 (34) 46857.1
4	27502.5 (4) 46858.1	27519.5 (34) 46858.6 27518.5 (34) 46856.8	27522.6 (34) 46874.8	27533.8 (34) 46880.8	27548.5 (4) 46851.6
5	27509.0 (4) 46852.5	27518.0 (4) 46854.5 27517.0 (5) 46851.6	27528.0 (4½) 46844.0	27536.2 (34) 46869.7	
6		27517.0 (6½) 46838.6		27535.3 (34) 46866.8 27531.3 (44) 46851.5	
7		27510.7 (7) 46838.6	27522.0 (7) 46828.8 27527.3 (7) 46829.7	27537.2 (7) 46835.2	27545.5 (7) 46818.3
8			27528.9 (8) 46822.0		
9	27508.3 (11) 46803.2	27517.2 (9) 46823.3			
10	27507.0 (12) 46787.6	27513.0 (11) 46800.6			
11	27509.8 (12) 46788.1	27517.0 (11) 46789.5		27539.3 (12) 46780.6	27545.0 (12) 46783.2
12	27500.0 (13) 46779.2		27527.4 (12) 114015	27535.0 (12) 46780.0 27530.0 (12) 46780.0	27544.1 (12) 46781.4
13	27505.0 (13) 46778.0 27503.2 (13) 46776.6	27519.0 (13) 46776.0		27531.5 (12) 46779.4 27533.4 (13) 46775.5	27543.8 (12) 46779.9 27548.3 (12) 46778.3
14	27500.0 (15) 46772.0				27548.5 (13) 46769.3
15	27508.7 (15) 46759.4	27519.5 (5½) 114245		27536.0 (15) 46761.0	27546.0 (15) 46761.8
16		27517.2 (16) 46766.4	27522.5 (16) 46761.5		27548.5 (16) 46756.5
17				27536.0 (17) 46752.0	
18				27532.0 (18) 46748.0	27542.3 (18) 46746.2
19					27548.7 (19) 114541
20					27549.9 (19) 46744.9
21	27503.0 (21) 46740.6 ANCHOR BUOY			27539.0 (21) 46730.8	27543.0 (21) 46730.2
22					
23		27519.9 (23) 46733.3	27528.7 (23) 46738.3		
24				27531.0 (24) 46723.8	
25	27509.0 (25) 46728.4				
26		27513.7 (26) 46723.5			
27			27528.0 (27) 46718.2		
28	27509.8 (28) 46719.2 ORE A BUOY 114807	27514.2 (29) 46714.5	27520.0 (28) 46716.2		
29		27511.0 (29) 46709.8			
30					
31		27516.7 (31) 114907	27527.0 (31) 46708.6		
32	27500.0 (32) 46708.1	27514.0 (32) 46711.0 27518.6 (32) 46710.9	27520.7 (35) 46701.5 27524.6 (35) 46699.2		27540.0 (32) 46699.2
33	27500.0 (32) 46704.8 CORAL	27515.7 (33) 46704.0 27517.0 (33) 115070	27523.0 (33) 46698.8 27528.3 (33) 46697.6		27548.0 (33) 46696.9
34		27518.6 (34) 46698.5 27514.0 (34) 46695.0	27527.0 (34) 46693.7	27531.0 (34) 46695.0 27533.0 (34) 46693.0	27545.4 (34½) 115314
35					27542.1 (34) 46693.2
36				27533.0 (36) 46688.8	27546.0 (36) 115291
37			27528.1 (38) 46686.2		27540.0 (36) 46689.0
38			27525.5 (38) 46684.7	27532.6 (38) 46686.2	
39				27532.6 (39) 46682.2	
40			27528.7 (40) 46680.2		
41				27532.8 (41) 46680.7	
42					
43			27522.0 (43) 46677.0		
44					
45					
46			27520.6 (46) 115507		
47					
48			27521.6 (48) 46668.5		
49				27536.0 (54) 46652.0	27546.0 (49) 46661.5
50				27532.0 (58) 46648.0	27548.6 (54) 46656.5

ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED. 27500

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
	27563.3 (X) 46917.5		27583.2 (8) 46897.0		1
					2
27555.5 (3½) 46982.9 5)	73.9				
27558.4 (3½) 46870.6	27569.5 (3¾) 46868.0 3)	27573.6 (3½) 46875.3	27584.1 (3½) 46875.3	27590.0 (3¾) 46868.0	3
27557.4 (3½) 46880.7		27571.0 (3¾) 46864.8	27588.2 (3½) 46875.2		
27550.5 (3¾) 46868.2	27567.1 (4) 46856.1	27579.0 (4¾) 46839.2	27587.4 (3½) 46872.9	27593.4 (4¾) 46838.0	4
27551.0 (3¾) 46866.7		7.0	27586.8 46859.2		
27550.0 (5) 46841.0			27589.3 (3¾) 46868.8	27593.9 (5) 46836.7	5
6.0)		9.1 9.3 4.1	27588.3 (3¾) 46862.4		
		27578.8 (6½) 46823.9 .6	27589.5 (6½) 46818.9	27591.4 (6¾) 46819.9	6
27557.6 (7¼) 46818.3 6.3) 7.4)				2.1) 27591.9 (6¾) 46818.2 3)	7
27552.5 (7¼) 46817.8	27564.9 6) (9) 46795.4 3)				
27552.8 (7¼) 46811.6				27599.4 (7) 46810.4	8
	27565.4 (9) 11377.8				9
	27566.2 (10) 46786.9				10
27555.7 (11) 46786.2					11
27556.0 (11) 46778.3		27578.0 (12) 46770.0			12
27550.5 (13) 46769.2	27567.0 (13) 46773.3				13
	27565.7 (14) 46767.2	27573.2 (14) 46759.9	27584.5 (14) 46755.7		14
27558.0 5) (15) 46761.7				27598.9 (15) 46758.8	15
27550.5 (16) 46758.2		27571.4 (16) 46757.7		27596.2 (16) 46751.3	16
					17
27550.0 3.2) (18) 46746.0 5.5)					18
					19
					20
	27567.1 (21) 46728.0	27573.4 (21) 46724.8			21
					22
					23
27552.8 (24) 46724.8					24
27551.9 1.8) (25) 46725.5 4.0)				27593.7 (25) 46713.4	25
					26
					27
					28
27557.4 8.1) (29) 46708.7 8)	27568.0 (29) 46708.8	27578.8 (29) 46701.4			29
					30
	27565.3 (31) 11524.7				31
27554.0 (32) 46699.6					32
27554.5 (33) 46696.2					33
	27561.1 (34) 46691.1	27570.5 (34) 46695.8		27596.0 (34) 46698.5	34
					35
					36
					37
				27594.8 (37¼) 46685.1	
				27595.7 (38) 46683.6	38
	27561.1 0.9) (39) 46681.3 5)				39
					40
					41
27557.5 (42) 46675.8	27560.4 (42) 46675.5				42
27556.1 (43) R 11552.7					43
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					48
					49
27550.0 (58) 46646.0	27569.1 (50) 11571.0				50

27600 ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1		27611.2 (1¾) 46900.4	REEF 27621.8 (X) 46912.4		
2			27625.1 (3½) 46860.3	27631.7 (3) 46880.7 27639.2 (3) 46879.0	
3	27608.3 46854.2 27607.3 (3¾) 46847.6	27616.8 (3) 46856.3	27629.5 (3½) 46858.1	27639.2 (3) 46879.9 27636.9 (3½) 46875.0	27643.2 (3¾) 46842.1
4	27606.0 (4¼) 468329	27611.3 (3¾) 46855.6	27627.4 (3¾) 46855.8	27635.0 46867.9 27632.6 (3½) 46861.2	
5	27607.3 (5¾) 46815.7		27627.3 (3¼) 46837.8	27633.8 46862.7 27633.6 (3½) 46858.9	
6				WR. 27634.6 (3½) 46858.0	
7			27625.0 (7½) 46791.0	27635.3 46857.9-.0 27634.4 (3½) 46854.1	27647.7 (7¾) 46785.8
8	27608.5 (8) 46791.4	27615.0 (8) 46798.8	27626.1 (8) 46785.8	27639.0 (3½) 46853.5 27632.4 (3½) 46851.8	
9	27609.1 (9) 46786.9 27601.3 (9) 46780.7		27625.5 (9¾) 46775.0	27635.0 (4¼) 46825.1	27641.9 (9¾) 46770.0
10			27628.1 (9¾) 46773.0 27625.0 (10) 46772.0	27637.9 (4½) 46821.2	
11			27629.2 (10½) 46769.0	SUNK BOAT 27634.7 (6¼) 46795.3	
12	27606.4 (12) 46768.3		27629.0 (10½) 46768.2	27634.6 (6¾) 46795.2	
13		27618.6 (13) 46763.4	27625.0 (13) 46764.0 27620.0 (13) 46764.0	27635.0 ([illegible]) 46776.0 27630.0 (9) 46775.0	
14	27600.0 (14) 46755.0			27630.8 (9) 46771.2 27630.5 (11) 46768.2	27645.0 (14) 46753.0
15				27630.3 (11) 46765.0 27636.2 (12) 46758.1	
16	27600.0 (16) 46750.0	27611.4 (16) 46749.8		27638.8 (13) 46757.3	
17		27619.4 (16) 46748.9			27648.5 (17) 46736.0
18		27616.4 (16) 46742.4			27642.5 (18) 46734.0
19				27636.0 (19) 46729.8 27636.0 (19) 46729.0	
20					
21					
22					
23					
24					
25					
26					
27					11550.7 27647.9 (27) 46700.9
28					
29	27603.4 (30) 46694.3			RIG 27637.8 (29) 46697.0	
30	27609.0 (30) 46694.0 27609.8 (30) 46691.0	27613.1 (30) 46693.2			
31	27603.4 (31) 46694.9				
32					
33	27609.1 (34) 46686.1				
34	27601.3 (34) 46680.7	27615.0 (34) 46691.0	27623.1 (34) 46690.5		
35			27629.4 (34) 46685.3		
36					
37					
38					
39					
40					27647.3 (40) 46672.6
41					
42			27621.6 (42) 46668.5		
43					
44					
45					
46				27639.0 (46½) 46660.0	
47				27637.7 (47) 11601.9	
48					
49					
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

27600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
27650.8 (A) 46868.9	27663.3 (1A) 46906.0 27660.0 (1A) 46900.1	27677.9 (A) 46871.4			1
27658.7 (3) 46855.8	27660.6 (3½) 46879.0 27663.9 (3½) 46844.9	27676.2 (2¾) 46835.5 PIDE		27694.2 (2¾) 46830.1	2
27658.2 (3) 46853.4	27660.3 (3½) 46854.2	27670.1 (3) 46822.6	27681.2 (3) 46860.3	27699.4 (3¾) 46810.4	3
27653.4 (4) 46822.8	27663.4 (4¼) 46822.8	27677.9 (3) 46871.6 27670.7 (3¼) 46869.8	27680.3 (4) 46822.8		4
27655.4 (5) 46808.6		27679.6 (5¾) 46793.4			5
27650.7 (6) 46797.4		27679.5 (5¾) 46792.9			6
27650.7 (6¾) 46791.4					7
					8
	27660.6 (9) 46768.3		27684.2 (9) 46765.0		9
27652.0 (11) 46762.0		27678.0 (10¼) 46759.0			10
27658.2 (11) 46761.3					11
27650.0 (12) 46757.0			27687.0 (12) 46755.0	27699.4 (12) 46753.0	12
27652.0 (13) 46753.0	27660.0 (B) 46752.0	27675.0 (13) 46752.0	27688.1 (12) 46733.1 27684.2 (13) 46748.3		13
27650.0 (13) 46752.0	27661.0 (14) 46746.0	27673.0 (13) 46748.2 27671.0 (14) 46746.0		27691.6 (14¾) 46740.8	14
27656.0 (15) 46752.0					15
	27664.9 (16) 46737.0				16
27657.5 (17) 46731.9					17
27651.9 (18) 46729.0					18
	27663.3 (19) 46724.6				19
					20
					21
	27668.0 (22) 46713.9				22
					23
					24
					25
			27683.4 (26) 46703.7		26
					27
					28
				27697.5 (29) 46683.2 BOAT	29
					30
				27697.7 (31) 46681.9	31
					32
					33
27650.4 (34) 46681.3					34
					35
					36
					37
					38
					39
		27673.9 (40) 46665.1 ROCKS			40
	27667.6 (42) 46663.1	27672.2 (41) 46664.5			41
27653.0 (42) 46663.0	27663.0 (42) 46663.0				42
27656.0 (43) 46659.8 ROCKS					43
					44
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					48
	27668.0 (51) 46649.1				49
	27663.7 (51) 11625.0				50

27700 ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2		27717.5 (2¾) 11303.0 46879.2	27725.0 (2) 46875.0		27744.2 (2¾) 46830.3
3	27708.8 (3¾) 46824.8	27713.0 (3¼) 46822.6			27741.3 (2¾) 46826.3
4	27709.3 (3¾) 46815.2				
5					
6					
7					
8					27745.0 (8) 46760.0
9					
10					
11	27708.5 (11) 46755.1			27735.4 (11) 46752.4	27742.3 (12) 46749.4
12		27716.2 (12) 46751.2		27738.0 (12) 46748.2	27745.4 (13) 46743.1
13					27742.1 (13) 46742.2
14	27700.0 (14) 46745.0				27749.2 (13) 46742.1
15				27731.2 (15) 46732.0	27743.8 (14) 46740.2
16		27715.2 (16) 46731.0	27727.7 (16) 11528.5	27730.0 (16) 46729.0	27742.1 (14) 46736.2
17		27716.8 (17) 46730.0	27721.9 (17) 46728.4		27742.5 (14) 46735.0
18		27719.1 (18) 46723.1	27724.5 (18) 46722.3		27741.0 (18) 46720.5
19			27721.2 (19) 46721.2	27738.0 (19) 46720.5	
20					
21			27724.6 (20) 46713.6		
22		27715.0 (22) 46707.5	27727.0 (21) 46708.0	27735.0 (22) 46703.0	
23				27735.0 (23) 46699.0	
24					
25					
26	27701.5 (26) 46699.0				
27			27726.3 (27) 46687.0	27739.2 (27) 46687.5	
28	27707.5 (28) 11590.4	27713.0 (28) 46688.0	27729.2 (28) 46682.2		
29		27715.7 (29) 46686.2			
30					
31					
32		27719.3 (32) 11621.2			
33		27717.0 (33) 46682.0			
34			27727.0 (34) 46672.5		
35			27720.0 (34) 46672.4		
36	27701.4 (36) CHP 46675.0		27721.6 (36) 46671.8	27735.8 (36) 46666.0?	
37			27721.1 (36) ROCK 46668.5		
38		27715.7 (38) 46668.2	27722.3 (36) 46670.0		
39					
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

27700

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
27752.3 (2½) 46830.0			27784.1 (2¼) 46833.9		2
27752.8 (3½) 46801.1		27775.0 (3¾) 46827.8	27780.7 (3¼) 46827.2		3
27750.0 (4¼) 46820.2		27778.0 (4½) 46821.8			4
27756.2 (4¼) 46798.6	27764.0 (5¾) 46779.0				5
	27760.3 (6½) 46776.6				6
27750.0 (7) 46767.0				27797.2 (7) 46768.0	7
			27789.1 (8) 46758.6		8
	27764.4 (9) 46755.2		27782.0 (8) 46757.6	27798.0 (9) 46751.0	9
			27786.0 (9) 46749.0		10
	27765.8 (11) 46747.1				11
27752.5 (12) 46743.0		27774.1 (12) 46742.2			12
		27774.8 (13) 46740.2		27792.1 (13) 46736.2	13
	27766.5 (14) 46736.8		27789.0 (14) 46738.8		14
			27783.0 (14) 46729.2		15
			27784.4 (16) 46725.8		16
					17
				27790.0 (18) 46718.0	18
				27795.0 (19) 46717.3	19
	27763.4 (20) 46711.4				20
					21
27752.0 (22) 46702.0					22
			27783.3 (23) 46701.8		23
			27787.8 (24) 46697.9		24
	27760.0 (25) 46691.5		27780.0 (24) 46692.0		25
				27797.3 (26) 46693.2	26
					27
					28
					29
					30
					31
	27769.0 (33) 46674.1				32
	27765.6 (33) 11629.7	27779.0 (33) 46672.5		27794.0 (34) 46668.6	33
				27795.3 (34) 46670.3	34
				27792.2 (35) 46667.9	35
					36
					37
					38
					39
					40
				27793.9 (41) 46657.6	41
					42
					43
					44
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					49
		27779.7 (51) 46649.0			50

27800 ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕ ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1			27828.0 ① 46844.0		
2			27828.4 (2½) 46836.0		
3	27800.0 (4½) 46821.5	27819.0 (3½) 46831.9	27828.2 (3) 46833.4 27822.7 (3½) 46832.1		27843.7 (3¾) 46827.1
4	27808.4 (4½) 46816.3	27812.2 (4) 46826.2 27818.2 (4) 46826.2	27826.5 (4) 46827.1 27820.1 (4½) 46825.6		27842.8 (4) 46826.7
5		27818.2 (5¾) 46785.9	27822.7 27827.3 (4¾) 46822.1 46818.6		27842.4 (4¾) 46820.5
6			27827.7 46820.0 27827.2 (6) 46792.4		
7		27812.8 (7) 46768.0			
8	27805.0 (8) 46758.0			27838.5 (8) 46776.0	27846.7 (8) 46757.1
9		27813.0 (9) 46749.0			27841.7 (9) 46756.1
10					
11		27811.4 (11) 46743.3			
12					
13	27800.6 (13) 46738.8			27839.0 (13) 46737.0	27846.4 (13) 46736.3
14	27800.4 (3¾) 46734.4				
15					
16					
17					
18					
19	27801.5 (20) 46710.5	27812.3 (19) 46719.0			
20	27808.1 (20) 46709.0 27808.5 (20) 46706.3		27827.0 (20) 46708.0		
21	27800.0 (21) 46703.0				
22		27810.5 (22) 46701.5			
23					
24			27827.3 (24) 46689.2		
25			27826.0 (25) 46687.0	27835.0 (25) 46688.0	
26	27802.0 (26) 46683.0	27815.0 (26) 46684.0 27810.0 (26) 46683.0			
27					
28				27838.5 (28) 46676.0	
29		27812.3 (29) 46676.1			
30		27816.5 (30) 46673.8 (ABLE)			
31					
32	27800.0 (32) 46668.0				
33		27815.6 (33) 46670.6 27815.0 (33) 46670.0		27834.9 (33) 46667.6	
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35		27813.0 (35) 46669.9			
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

27800

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
		27872.7 (3) 46832.1			2
		27875.0 (3½) 46829.0	27880.7 (3) 46827.2		3
27855.2 (4½) 46823.7		27874.9 (4) 46826.9 27874.4 (4½) 46825.7	27888.1 (4½) 46824.2	27890.9 (4½) 46820.6	4
27854.9 (5½) 46796.4	27860.0 (5½) 46815.0	27878.4 (5½) 46825.7 27871.4 (5½) 46825.2			5
27854.3 (6½) 46792.6		27879.2 (6½) 46825.8			6
	27864.9 (7) 46790.4 27868.4 (7) 46789.8		27887.2 (7) 46792.0		7
	27865.4 (7) 46798.1				8
27850.0 (9) 46767.1	27865.0 (8) 46786.2				9
27851.5 (10) 46742.0		27873.4 (9) 46778.4			10
		27875.2 (9) 46743.2	27888.9 (11) 46738.8	27898.0 (11) 46735.4	11
					12
27852.0 (13) 46735.0		27873.0 (13) 46730.0	27889.5 (13) 46728.5 BUOY		13
		27871.4 (14) 46725.2	27899.1 (14) 46726.2		14
		27873.9 (15) 46725.9		27893.8 (15) 46724.4 BUOY	15
	27868.9 (16) 11608.4				16
					17
					18
					19
		27875.0 (20) 46709.0 10.0	27887.2 (29) 46707.2	27892.4 (20) 46712.2	20
		27875.0 (21) 46705.0	27888.0 (20) 46706.5		21
					22
				27890.0 (23) 46699.0	23
					24
					25
				27891.6 (26) 11672.5	26
		27871.5 (28) 46679.0			27
	27867.6 (28) 46675.7	27875.0 (28) 46675.0			28
					29
27852.5 (30) 46672.5		27875.0 (30) 46668.0	27888.0 (30) 46669.9		30
		27871.5 (30) 46667.9	27881.9 (30) 46669.3		31
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	27869.0 (33) 46667.9				33
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27900 ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1		27910.0 (8) 46838.9			27945.0 (1½) 46832.0
2					27945.5 (2½) 46830.1
3					27945.0 (3¾) 46823.0
4	27900.0 (4¾) 46820.6	27912.7 (4) 46823.7			
5	27903.2 (5¼) 46812.5				27944.1 (5¼) 46812.2
6					
7	27988.1 (7½) 46790.0		27927.9 (8) 46746.7		
8			27926.9 (9) 46784.9	27932.0 (9) 46769.0	
9	27901.0 (9) 46775.4 WR	27917.2 (9) 46775.4	27924.5 (9) 46774.6	27936.5 (9) 46765.3 WR	
10	27902.4 (9) 46760.1	27913.5 (9) 46740.9	27927.2 (10) 46775.0 27921.0 (10) 11609.6	27932.1 (9) 46754.6	27943.9 (10) 46779.0
11		27913.5 (11) 46730.9	27926.8 (10) 46776.1		
12			27927.2 (10) 46775.0		
13	27909.2 (13) 46730.1		27922.1 (16) 46775.1		
14	27901.1 (13) 46729.5				
15					
16					
17					
18	27908.0 (18) 46719.6 27908.8 (18) 46716.6	27910.4 (18) 46719.5	27924.6 (18) 46713.6		
19	27903.2 (19) 46712.5	27910.4 (19) 46716.5 27917.9 (19) 46710.5			
20		27915.0 (20) 46709.5	27927.0 (20) 46709.0		27944.1 (20) 46712.1
21					
22	27905.0 (22) 46702.2		27927.2 (23) 46703.0		
23					
24					
25					
26				27931.2 (27) 46671.1	
27				27937.4 (27) 11695.5	
28	27901.0 (28) 46675.4			27932.4 (28) 46670.9	27940.0 (28) 46672.6
29			27927.2 (29) 11703.0	27932.0 (30) 46667.0	
30			27929.6 (30) 46670.9 27929.0 (30) 46669.0	27932.7 (30) 46667.6	27940.0 (30) 46665.0
31			27925.0 (30) 46670.0		
32					
33		27914.8 (33) 46661.2			27949.8 (33) 46662.5
34					
35				27932.1 (35) 46654.6	27943.8 (35) 46659.0
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

27900

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
27956.4 (X) 46830.0	27966.0 (1¼) 46829.5			27994.2 (X) 46853.6	1
27955.6 (1½) 46829.8 / 27955.7 (3) 46827.3	27966.0 (3¾) 46824.9			27991.6 (2½) 46827.1	2
27951.7 / 27959.7 (3¾) 46826.8 / 46824.8	27966.0 (3¾) 46823.5			27990.0 (3¾) 46825.0	3
27955.6 (3¾) 46822.0	27967.0 (4¾) 46818.0			27988.6 (4¼) 46815.5	4
27951.8 (5¼) 46809.2	27966.8 (5¼) 46809.9	27975.0 (5¼) 46810.0		27996.0 (5¾) 46809.0	5
		27978.2 (5¾) 46806.5		27993.6 (7½) 46799.1	6
27953.7 (7) 11533.1				27998.4 (7½) 46798.4	7
LOST RIG 27952.3 (9) 46784.7				27995.0 (8½) 46791.0	8
27950.6 (9) 46784.2	27961.2 (9) WR 46766.4	27975.0 (9) 46768.0	27988.1 (9) 46790.0	27999.9 (9) 46760.1	9
27950.2 (9) 46783.8	27961.8 (9) 46764.8	27975.2 (10) 46743.0	27981.3 (9) 46784.8		10
		27975.2 (11) 46742.2			11
		27979.2 (11) 46739.4			12
		27979.0 (13) 11644.9			13
					14
	27963.4 (93) 11641.8				15
					16
					17
	27968.3 (18) 46712.8				18
					19
		27975.0 (20) 46710.0		27990.0 (20) 46708.0	20
					21
			27988.1 (22) 46702.4		22
27953.6 (23) 46702.2			27986.2 (23) 46699.2		23
	27965.0 (24) CORR 46692.0				24
				27997.5 (25) 46687.2	25
					26
		27975.1 (27) 46674.9			27
	27963.0 (28) 46670.0				28
			27983.3 (30) 46666.1		29
	27969.0 (30) 46664.8	27975.0 (30) 46668.0	27984.7 (30) 46664.2		30
					31
					32
		27977.0 (33) 46662.5			33
					34
				27997.2 (35) 46659.3	35
				27996.7 (35) 46658.9	36
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					40
27957.3 (41) 46652.4	27965.8 (40) 46652.8				41
	27968.1 (41) 46642.1				42
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28000

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					28044.4 (X) 46873.3
2					28040.0 (X) 46828.0
3	28009.3 (3½) 46823.0				
4					
5	28003.0 (5¼) 46812.0			28031.2 (5¼) 46817.2	28049.6 (5) 46818.3
6	28000.5 (5¼) 46810.7				28044.9 (5½) 46813.3
7	28008.3 (5¾) 46805.9	28012.3 (7½) 46796.7		28030.7 (7½) 46796.4	28040.5 (7½) 46799.5
8	28008.6 (9) 46789.0 28001.1 (9) 46785.1	28012.3 (8) 46793.1 28016.5 (9) 46791.5		28035.0 (9) 46790.0	28043.6 (8) 46795.7
9	28009.6 (10) 46782.0	28010.0 (9) 46775.0 28016.4 (9) 46772.3	28029.4 (9) 46785.5	28031.0 (9) 46793.0	28041.0 (9) 46782.6 28048.0 (9) 46755.0
10	28000.0 (9) 46770.1	28019.5 (9) 46768.9	28025.0 (10) 46777.8	28032.5 (9) 46789.5	28045.2 (9) 46751.3
11				28039.0 (9) 11633.5	
12				28034.2 (9) 46785.5	
13				28033.2 (9) 46773.2 — WIRE 28035.0 (11) 46742.0	28049.3 (13) 46782.5
14					
15					
16					
17		28013.2 (17) 46723.2			
18					
19					
20					28048.0 (20) 46716.0
21	28004.7 (22) 46704.6				
22	28005.0 (22) 46702.2				
23					
24					
25					
26					
27	28006.5 (27) 46679.7				
28					
29					28049.0 (30) 46671.0
30	28000.0 (30) 46670.1				28041.7 (30) 46670.4
31	28005.3 (31) 46665.4				28048.0 (30) 46670.0
32		28019.7 (32) 46663.6			
33	28000.0 (33) 46660.0			28032.8 (33) 46663.7	
34					28041.9 (34) 46661.0
35				28035.0 (35) 46658.0	
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38				28035.1 (38) 46650.6	
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED. 28000

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
28054.2 (X) 46785.5					1
		28071.0 (X) 46826.0			2
				28098.0 (4¼) 46825.3	3
28053.1 (4¼) 46805.3		28071.4 (4¼) 46821.6		28096.9 (28) 11552.8	4
28051.2 (5¼) 46818.3	28064.2 (5¼) 46811.4	28078.1 (5¼) 46807.6	28080.7 (5¼) 46807.8		5
		28077.6 (5¾) 46807.0	28081.9 (5¾) 46803.4	28097.9 (6) 46806.7	6
		28078.2 (5¾) 46806.5	28088.0 (7) 46801.0		7
					8
28054.2 (9) 46787.6		28073.6 (9) 46754.2 ROCKS	28081.9 (9) 46790.8 89.5	28099.5 (9) 46786.7	9
28054.2 (9) 46755.5			28084.2 (10) 46785.5		10
28054.2 (10) 46785.5					11
		28076.7 (12) 46737.3			12
		28075.3 (13) 46733.2			13
					14
					15
			28082.7 (100) 11694.3		16
					17
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					19
					20
	28061.1 (21) 46709.7			28099.8 (21) 46713.0	21
				28094.7 (23) 46711.8	22
				28091.6 (32) 46711.2	
				28094.0 (22) 46710.0	23
					24
			28085.4 (25) 46697.1		25
28056.9 (26) 46689.3					26
					27
					28
					29
28057.5 (30) 46672.0					30
					31
					32
28056.8 (33) 46666.2		28070.6 (23) 46668.0			33
		28070.4 (33) 46664.0			34
28058.0 (35) 46661.5		28078.7 (35) 46655.1			35
					36
				28095.3 (37) 46657.2	37
28059.0 (38) 46653.7		28075.0 (38) 46654.0			38
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28100

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2	28100.6 (2½) 46830.5		28129.3 (3¾) 46823.5	28134.4 (2½) 46827.1	
3		28110.5 (3⅛) 46826.1	28125.2 (3¾) 46822.2	28130.0 (3¾) 46824.0	28142.6 (4¼) 46823.4
4	28106.6 (4¼) 46824.1	28111.0 (4¼) 46825.1 28119.3 (4¼) 46824.8	28125.0 (4⅜) 46820.0	28136.6 (4¼) 46821.7 28135.9 (4¼) 46820.4	28147.1 (4¾) 46821.7
5	28105.0 (5¼) 46818.0	28116.0 (5) 46820.1	28125.9 (5½) 46818.5	28134.3 (5¾) 46815.8	
6	28101.6 (6) 46810.0	28112.0 (5½) 46819.0	28125.9 (6) 46809.3	28134.4 (6¼) 46810.8	28142.5 (6) 46813.0
7	28100.0 (7) 46801.0	28117.4 (7⅛) 46800.7 28113.1 (7) 46796.6	28120.0 (7) 46805.0	28139.2 (7) 46809.5 28139.7 (7) 46808.8	28148.0 (7) 46806.7 28144.6 (7) 46805.0
8	28105.2 (8) 46795.4	28112.3 (8) 46796.1 28117.3 (8) 46795.0	28125.0 (8) 46800.8 28129.4 (8) 46800.0	28131.7 (8½) 46796.6	28140.9 (8) 11617.5
9	28107.2 (9) 46790.5	28116.5 (9) 46791.5 28111.7 (9) 46769.0	28120.8 (9) 46790.1	28135.0 (9) 46786.7	
10	28108.3 (9) 46781.7	28117.0 (9) 46769.0 28115.0 (9) 46767.9	28120.7 (10½) 46778.6	28135.1 (10) 46781.9 28131.0 (11) 46781.0	
11	28106.6 (10) 46786.9 28100.3 (10) 46786.8	28119.5 (11) 46754.5	28120.0 (9) 46759.0	28136.0 (10½) 46777.3 28134.3 (10½) 46775.4	28147.4 (11) 46782.7 28141.0 (11) 46782.6
12	28101.1 (10) 46785.1 28100.0 (10) 46780.0	28115.0 (11) 46738.0		28130.0 (11) 11675.0	28147.0 (11) 46779.6 28147.7 (10) 46774.6
13	28107.0 (10) 46778.6 28101.7 (11) 11690.0	28115.0 (9) 46745.5		28135.0 (11) 46750.0	
14	28100.0 (11) 46744.0 28100.0 (9) 46748.0 ROCK				
15	28102.0 (11) 46743.0				
16		28110.0 (16) 46728.0			
17					
18					
19					28146.1 (19) 46725.4
20					28144.5 (20) 46724.9
21			28127.5 (21) 11716.4		28148.5 (21) 46722.0
22					
23					
24			28123.1 (24) 46705.1		28140.3 (24) 46707.1
25					
26				28130.2 (26) 46704.6	28140.0 (26) 46701.8
27		28110.5 (28) 46687.5			
28	28108.6 (28) 47689.0	28116.9 (29) 46681.9		28139.0 (29) 46681.5	
29					
30					
31				28130.1 (31) 46679.3	
32			28120.0 (32) 46670.0		
33					
34					
35		28110.0 (35) 46665.0	28125.0 (35) 46664.0		
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28100

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
28158.9 (8) 46827.6	28164.9 (X) 46831.9	28178.9 (X) 46827.6			1
28158.8 (3¾) 46824.9	28161.8 (2½) 46828.0	28174.2 28177.3 (2½) 46826.0 46823.5	28187.9 (2½) 46824.0		2
28159.4 (3¾) 46825.4	28168.0 (1½) 46822.0		28189.3 (4½) 46820.5		3
28151.9 (3¾) 46825.4					
28159.6 (4¾) 46823.8	28164.9 (4¼) 46821.9	28175.0 (4¼) 46822.0	28184.0 (4½) 46818.6	28194.2 (4½) 46820.7	4
28158.9 (4¼) 46822.6					
28158.5 (4¾) 46822.0	28168.0 (4½) 46821.0	28177.4 (5¾) 46817.9 ANCHOR	28187.1 (5¾) 46819.8	28190.2 (4½) 46820.2 ANCHOR	5
28157.1 (5¾) 46817.1	28163.7 (5) 46818.6	28177.4 (7) 46808.2 ANCHOR	28183.0 (5¾) 46816.0	28192.9 (5¾) 46815.2	6
28152.0 (7) 46815.4		28177.4 (7½) 46804.0			7
28152.0 (7) 46809.0					
28150.0 (7) 46807.0					
28157.6 (7½) 46804.7			28185.0 (7) 46808.0	28198.3 (8) 46801.2	8
	28162.8 (9) 46788.2	28174.9 (9) 46789.2	28188.4 (7) 46807.6		9
			28186.5 (7¾) 46805.1		10
	28165.5 (11) 46785.3				
28157.3 (11) 46785.3	28162.0 (11) 46780.2	28172.3 (11) 46783.2	28189.0 (11) 46775.0		11
	28166.0 (11) 46775.0	28179.0 (11) 46762.5	28189.8 (11) 46776.6		
28158.0 (11) 46774.0	28161.3 (11) 46774.8	28175.0 (12) 46747.2	28183.4 (11) 46771.6		12
	28161.3 (10) 46764.8	28176.2 (12) 46745.1	28184.0 (11) 46767.9	28191.0 (13) 46755.0	
28157.0 (12) 46741.9		28175.0 (13) 46742.5	28186.3 (12) 46757.6	28196.0 (13) 46753.4	13
28151.0 (12) 46730.0		28176.8 (14) 46739.7	28182.0 (12) 46756.7		
28156.8 (14½) 46733.1		28173.0 (14) 11713.4	28187.0 (12) 46742.4	28193.0 (13) 46752.7	14
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		28170.5 (21) 46724.0 ROCKS			21
					22
					23
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		28175.6 (25) 46713.0			25
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			28187.4 (29) 46693.1		29
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28200 ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					28242.2 (1½) 46822.2
2	28201.6 (2¼) 46822.2				
3					28245.8 (4) 46816.5 BAD
4	28200.0 (4½) 46820.5	28210.6 (4½) 46820.9	28228.6 (5¼) 46816.9 28224.0 (5¼) 46816.1	28238.2 (4½) 46818.8	28245.1 (4) 46815.0
5			28228.0 (5¾) 46815.5		
6			28227.6 (6½) 46809.0	28238.0 (7) 46808.0	
7	28204.0 (7½) 46807.0	28216.3 (7½) 46804.0	28222.7 (7½) 46806.4	28231.2 (7½) 46806.8	28245.1 (7½) 46806.3
8				28235.0 (7½) 46805.0	28249.0 (7½) 46803.5
9	28205.0 (9) 46798.8	28218.0 (9) 46791.0		28239.0 (7½) 46802.5 SUS. 28237.8 (9) 46796.5	28242.0 (8) 46803.0
10		28217.0 (10) 46769.0 28215.0 (11) 46767.9		28237.3 (11) 46790.6	
11	28204.0 (11) 46762.8	28215.0 (11) 46767.1	28220.7 (11) 46778.6 28221.7 (11) 46776.9	28236.0 (12) 46777.3	
12	28201.0 (12) 46753.5	28213.0 (11) 46763.7 BAD	28220.7 (12) 46777.8 28228.7 (12) 46773.5	28238.0 (13) 46775.4	28243.0 (12) 46775.3
13	28202.7 (13) 46756.2	28219.5 (13) 46754.5	28220.0 (13) 46759.5	28233.6 (13) 46772.3	
14	28201.1 (13) 46752.8				
15	28203.5 (13) 46759.9 28209.2 (15) 46752.4				28244.7 (15) 11737.4
16		28215.0 (16) 46750.9			
17					
18					
19					
20			28225.1 (20) 46734.4		28244.9 (20) 46736.8
21					28244.9 (21) 46736.0
22					
23					
24					
25					
26					
27					
28			28220.8 (28) 46711.7		
29					
30		28214.0 (30) 46696.3	28224.2 (30) 46695.8	28237.0 (30) 46729.0	
31				28231.0 (30) 46728.5	
32				28232.0 (30) 46727.8	
33					
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36					
37			28226.2 (37) 46676.5		
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28200

50-59,9	60-69,9	70-79,9	80-89,9	90-99,9	FATHOMS
28254.0 (X) 46822.0	28265.3 (X) 46823.7	28272.9 (X) 46823.3	28283.9 (1¾) 46826.1	28295.5 (1¾) 46823.0	1
	28261.2 (X) 46823.6	28277.3 (X) 46823.0			2
	28266.3 (X) 46822.5		28280.0 (4¼) 46817.5	28299.5 (4¾) 46819.5	3
	28269.9 (4¾) 46816.9		28290.6 (4⅞) 46816.9	28294.1 (4¾) 46819.2	4
28252.4 (5) 46815.4	28268.1 (4¾) 46815.4	28270.4 (5¾) 46817.0			5
					6
28251.4 (7½) 46807.0	28263.5 (7½) 46806.4	28279.7 (7½) 46806.2	28288.6 (7½) 46807.3		7
28255.0 (8) 46802.5 WR				28290.5 (8) 46805.9	8
28256.0 (8) 46803.0				28295.0 (8) 46804.0	
		28271.8 (9) 46794.7		28297.4 (9) 46800.0	9
	28263.1 (10) 46793.5				10
28253.5 (11) 46788.7	28260.5 (11) 46791.6	28274.9 (11) 46789.2	28284.5 (11) 46793.2	28290.0 (11) 46785.0	11
28258.2 (12) 46774.1	28266.7 (11) 46790.2	28279.7 (11) 46784.5	28286.5 (11) 46784.5		12
	28260.0 (11) 46790.0				
	28266.5 (11) 46789.5		28284.9 (13) 46779.5	28294.0 (13) 46774.0	13
					14
					15
		28277.3 (14) 46763.0			
28258.8 (16) 46757.7		28277.3 (16) 46760.7			16
28258.9 (16) 11753.9					17
		28277.1 (18) 46751.6			18
		28279.9 (18) 46749.2		28297.7 (18) 46755.8	19
		28274.9 (18) 46749.2			
		28275.2 (19) 46748.7	28282.8 (20) 46745.4		20
		28278.0 (19) 46747.0			21
			28285.0 (21) 46744.5		22
28258.0 (23) 46739.5				28295.0 (23) 46742.6	23
					24
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					29
28259.7 (30) 46729.0	28267.0 (30) 46729.0	28277.7 (30) 46732.3			30
28256.1 (30) 46728.3	28266.0 (30) 46725.5				31
			28280.4 (32) 46731.3	28294.4 (32) 46732.0	32
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28300

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1	28303.0 (1¾) 46826.0			28339.0 (X) 46828.8	
2		28312.6 (X) 46826.4		28336.9 (X) 46826.6	
3		28318.0 (3¼) 46824.0			
4		28312.3 (4¾) 46819.5			
5					
6			28323.1 (6½) 46812.9	28334.5 (6½) 46812.5	
7					
8	28303.6 (8) 46806.1 28300.0 (8) 46805.5				
9	28301.5 (8) 46804.8		28327.1 (9) 46801.3		
10	28306.3 (10) 46796.7		28321.4 (10) 46798.2		
11		28310.0 (11) 46796.0	28325.4 (11) 46791.2	28334.5 (11) 46793.7	
12				28332.4 (12) 46791.2	
13					
14	28305.3 (15) 46778.8 28306.1 (15) 46776.3				
15	28304.9 (15) 46773.7 28303.0 (15) 46773.1	28314.1 (15) 46778.1 28312.6 (15) 46777.4			28345.6 (15) 46782.7
16	28303.9 (15) 46773.9 28306.6 (16) 46767.3	28310.0 (16) 46769.0			
17	28307.0 (16) 46765.9 28308.1 (16) 46763.0				
18			28326.9 (18) 46765.6		28349.5 (18) 11776.9
19	28302.6 (19) 46757.5	28317.4 (19) 11773.0			
20	28306.9 (20) 46748.2				
21					28345.3 (21) 11786.7
22				28337.8 (22) 11791.1	
23	28305.0 (23) 46745.0	28316.0 (23) 46743.5			28349.9 (23) 46746.2
24	28301.0 (23) 46743.0			28330.2 (24) 46743.4	
25	28301.1 (25) 46738.6				
26	28300.1 (26) 46737.7				
27		28314.9 (27) 46738.4 28314.7 (27) 46737.4	28326.3 (27) 46734.7	28330.2 (27) 46739.2 28334.6 (27) 46738.3	28341.1 (27) 46738.4 28344.9 (27) 46738.4
28				28338.1 (28) 46735.6	28341.9 (27) 46736.7 28349.5 (27) 46736.2
29					
30					
31					
32		28316.4 (32) 46732.9			
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ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28300

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
					2
					3
					4
					5
					6
	28365.0 (6) 46818.2				7
					8
					9
					10
28352.3 (10) 46802.8		28370.6 (11) 46802.0			11
28357.1 (11) 46796.6	28360.6 (11) 46797.8	28378.4 (11) 46801.0	28388.4 (11) 46801.0	28398.8 (11) 46802.0	12
			28388.2 (11) 46800.2	28398.6 (11) 46801.4	13
					14
	28367.7 (14) 46784.7				15
			28382.1 (15) 46786.1		16
		28374.9 (16) 46782.0			17
28358.0 (17) 46774.0			28383.7 (17) 46777.4		18
28356.4 (18) 46769.4	28362.5 (18) 46770.7				19
28356.6 (19) 46761.0					20
					21
	28368.7 (22) 46757.8	28370.4 (22) 46757.0		28395.0 (22) 46762.2	22
	28368.7 (22) 46756.8	28377.0 (22) 46756.8		28398.8 (22) 46761.2	23
28356.9 (23) 46752.5	28368.7 (22) 46755.2	28370.3 (22) 46755.7		28394.4 (22) 46760.4	24
	28362.2 (24) 46740.2			28396.4 (24) 46752.4	25
28354.7 (25) 11810.7				28391.4 (24) 46746.6	26
		28372.0 (26) 46743.0			27
		28377.0 (26) 46743.0	28389.8 (26) 46743.5		28
					29
				28391.2 (29) 46742.4	30
	28360.6 (30) 46737.2	28379.4 (30) 46738.6	28388.7 (30) 46735.6	28390.0 (31) 46740.1	31
			28385.0 (30) 46735.0	28399.4 (30) 46738.6	32
	28368.4 (32) 46731.6		28389.1 (32) 46733.7	28390.5 (32) 46731.6	33
			28384.4 (32) 46732.4	28396.0 (32) 46730.4	34
			28389.3 (32) 46731.6		35
			28382.1 (32) 46728.6		36
			28383.4 (33) 46727.4		37
			28384.4 (34) 46726.6	28391.4 (37) 46726.4	38
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28400 ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2					
3	28407.5 (3¼) 46835.5			28439.0 (3¼) 46838.0	
4			28421.0 (4¾) 46834.1		28441.1 (4) 46838.4
5					
6					
7					
8		28418.1 (8) 46812.1	28421.2 (8) 46820.9		
9	28406.9 (9¼) 46809.9 28406.9 (9¼) 46809.0	28418.1 (9) 46812.7 28418.1 (9) 46811.0			
10	28404.0 (9¾) 46808.0 PIPELINE	28411.0 (9) 46811.0			
11	28403.6 (11) 46806.1	28411.9 (11) 46807.7			
12			28424.8 (12) 46803.2		28441.7 (12) 46807.7
13		28419.0 (13) 46801.8			
14					
15					
16	28401.9 (16) 46784.4	28443.9 (17) 46781.1			
17	28407.2 (17) 46778.9	28410.3 (17) 46774.8			
18					
19		28416.1 (19) 46774.8	28423.7 (19) 46778.5		
20	28407.7 (20) 46769.9 BOAT	28416.9 (20) 46769.5 28410.3 (20) 46769.2			
21		28410.6 (21) 46768.9	28422.1 (21) 46768.2	28431.0 (22) 46774.0	28444.9 (22) 46767.0 28447.6 (22) 46768.4
22	28400.0 (22) 46759.0			28437.2 (22) 46763.5	28448.2 (22) 46762.9
23		28410.0 (23) 46756.2			28440.1 (23) 46761.1
24	28401.9 (24) 46754.4				28447.3 (24) 46760.2
25					
26	28408.0 (26) 46746.3	28410.6 (26) 46746.3		28439.9 (26) 46753.4 28439.7 (26) 46752.4 28435.0 (26) 46750.0	28441.2 (26) 46751.5
27	28402.9 (27) 46743.1				
28				28437.1 (29) 46741.8	
29	28407.8 (29) 46742.8	28410.6 (29) 46740.1	28423.7 (29) 46743.4	28430.2 (29) 46743.4	
30				28432.1 (30) 46740.0	
31					
32		28410.3 (32) 46729.2			
33		28410.4 (32) 46726.1			28440.3 (34) 46737.5
34					28444.8 (34) 46737.1
35					28441.8 (34) 46737.1
36					
37					
38					
39					
40					
41					28441.9 (41) 46733.7
42					
43					
44					
45				28430.2 (45) 46733.4	
46					
47					
48					
49		28414.3 (X) 46696.0			
50		28410.6 (157') 46716.3			28444.8 (50) 46731.1

ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED. 28400

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
	28461.4 (1¼) 46844.6			28497.4 (2¼) 46852.4	2
				28498.1 (3¼) 46848.4	3
			28488.0 (4¼) 46845.5	28497.9 (4¼) 46847.5	4
				28494.7 (4¾) 46845.9	5
			28484.3 (6¼) 46837.5		6
	28469.7 (8) 46825.3		28484.3 (7¾) 46832.5	28491.0 (7) 46837.5	7
28452.8 (9) 46821.8	28463.9 (8¾) 46826.3		28487.9 (8¾) 46830.0	28490.2 (8) 46832.4	8
28451.2 (9¼) 46818.3	28460.2 (9¾) 46818.9	28472.2 (9) 46823.8			9
28457.5 (10¼) 46816.4	28462.8 (10) 46818.0		28484.3 (10) 46822.0		10
	28464.7 (11¼) 46814.6 BUOY			28493.8 (11) 46818.1	11
					12
					13
		28471.8 (14) 46804.8			14
28457.4 (5¾) 46797.4		28471.7 (17) 46796.5			15
	28467.8 (16) 46798.6	28471.8 (16¾) 46794.8		28494.8 (16) 46803.1	16
				28491.0 (17) 46798.0	17
28452.8 (18¼) 46786.0					18
			28483.3 (19) 46789.9		19
	28467.8 (20) 46778.9				20
					21
		28478.9 (22) 46778.7			22
		28474.2 (23) 46774.1			23
	28460.2 (24) 46767.1		28481.3 (28) 46767.0		24
28451.1 (25) 46761.1	28468.6 (15) 46762.7 28460.2 (15) 46761.1	28476.0 (25) 46763.0	28485.4 (25) 46765.9 DOG KEY		25
	28465.1 (26) 46759.9	28479.1 (26) 46760.8		28498.4 (26) 46760.8	26
		29477.3 (27) 46760.2			27
					28
				28493.8 (29) 46759.5 GARGE	29
28458.7 (30) 11886.2			28489.7 (30) 46752.4	28496.4 (29) 46757.4	30
			28484.4 (31) 46750.7	28496.4 (30) 46752.4	31
			28488.3 (32) 46745.5	28491.4 (32) 46746.6 28499.2 (33) 46747.7	32
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		28475.0 (45) 46738.0			45
		28477.0 (45) 46737.0		28491.4 (46) 46731.6	46
					47
				28496.0 (49) 46729.7	48
					49
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28500 ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1	28509.0 (3/8) 46859.0			28532.2 (X) 46866.2	28549.0 (X) 46888.5
2				28534.0 (2 1/4) 46856.3	
3		28512.4 (4) 46849.0			
4		28511.3 (4) 46848.6			
5					
6	28505.2 (6) 46842.4				
7			28524.3 (8) 46839.5		
8			28528.0 (8) 46837.0	28531.0 (8) 46837.8	28546.4 (8) 46838.5
9					
10				28531.0 (10 1/4) 46827.8	
11				28532.0 (11 3/4) 46823.0	
12					
13				28534.8 (13 1/4) 46817.6	
14				28539.8 (13 3/4) 46817.6	
15			28529.5 (15) 46810.0		
16			28527.6 (15) 46808.9	28531.5 (16) 46808.9	
17					
18					
19				28535.5 (A) 46798.6	28547.9 (19) 46798.2
20	28501.0 (20) 46790.0			28534.7 (20) 46793.6	
21				28534.3 (20) 46792.9	
22			28528.4 (23) 46789.5	28539.9 (23 3/4) 46784.2	
23			28528.6 (23) 46788.0	28532.2 (23 3/4) 46782.6	
24	28502.4 (24) 46778.5		28527.9 (24) 46780.4		
25					
26					
27					
28					
29					
30					
31				28539.2 (31) 46761.5	28540.1 (31) 46761.1
32					
33					28549.9 (33) 44755.0
34				28535.9 (34) 46753.2	28548.0 (34) 46754.0 28543.0 (34) 46752.0
35					
36					
37	28506.9 (37) 46748.2		28523.5 (37) 11902.1		
38					
39					
40					
41					
42					
43					
44					
45					
46			28523.0 (46) 46734.1	28533.6 (46) 46734.1	
47					
48					
49		28511.2 (52) 46718.0			
50		28518.5 (55) 46712.4		28539.8 (51) 46726.9	

ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28500

50 - 59.9	60 - 69.9	70 - 79.9	80 - 89.9	90 - 99.9	FATHOMS
	28567.5 (1½) 46859.2				1
28559.0 (2) 46859.0	28566.9 (2¾) 46857.1	28571.4 (2) 46865.6			2
	28567.9 (3¼) 46856.0	28577.5 (X) 46862.5 28577.0 (4) 46857.1	28589.7 (3) 46864.1		3
	28568.6 (4) 46855.7 (7.5 3 2)	GRAND ISLE SEA BUOY 28579.1 (4¾) 46856.1	28589.7 (4) 46862.3	28599.1 (4) 46860.1	4
28556.9 (5) 46851.9	28568.6 (4) 46856.1 28568.6 (4¼) 46853.7	28571.0 (4¾) 46855.2 28576.0 (4¾) 46854.1	28587.2 (X) 46861.4 28583.4 (4) 46856.3	28594.1 (4) 46860.1	5
28555.8 (5¾) 46848.1	28561.9 (4¾) 46853.6 28566.3 (5¼) 46851.1	28571.5 (4¾) 46857.7	28582.7 (4) 46855.3	28594.5 (5) 46852.9 28590.1 (6) 46952.4	6
28555.4 (6¾) 46845.7	28569.9 (6) 46850.0 (5.3) 28564.9 (6) 46850.6		28588.9 (7) 46845.5	28597.7 (9) 46847.5	7
28550.9 (3.2) (7) 46842.4	28564.9 (6) 46850.0		28581.6 (8) 46841.0		8
			28580.1 (9) 46840.3		9
					10
					11
		28577.4 (12) 46824.4 ANCHOR			12
					13
	28562.8 (14) 46818.9				14
	28561.4 (14) 46815.6		28589.9 (15) 46817.8 (.6)		15
					16
28557.6 (17) 46808.9			28581.4 (11) 46810.0		17
					18
28553.6 (19) 46801.4					19
	28567.2 (20½) 46799.4				20
					21
28552.3 (22) 46791.0					22
	28562.7 (5.3) (23) 46791.1 (0.8)				23
	28562.3 (5.3) (23) 46790.0 (3)	28579.4 (24) 46789.9			24
	28567.4 (25) 46788.2				25
		28577.7 (26) 46780.0			26
					27
		28577.4 (4.2) (29) 46774.1 (9.2)			28
					29
					30
					31
					32
					33
28550.0 (31) 46753.0					34
					35
					36
					37
					38
					39
					40
				28597.2 (41) 46748.7 PIPELINE	41
					42
				28595.0 (42) 46741.2	43
	28565.0 (5) (44) 46734.2	28573.1 (44) 46741.6		28590.3 (6.0) (44) 46740.5	44
					45
		28576.6 (46) 46735.2			46
					47
			28581.7 (3) (48) 46737.5		48
		28577.7 (49) 46722.4		28597.9 (50) 46722.6	49
	28561.4 (55) 46715.6			28597.9 (51) 46722.4	50

28600

ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1			28627.4 (1 3/4) 46867.9	28631.1 (8) 46867.7 28631.1 (8 1/2) 46867.0	
2			28623.9 (2 1/2) 46866.0	28638.0 (2 1/2) 46867.0	28649.6 (2 1/2) 46868.1
3			28628.0 (3 3/4) 46864.0	28637.0 (X) 46866.5 28632.2 (3) 46866.2	
4			28625.0 (4) 46863.5		
5					
6					
7					28649.6 (6 3/4) 46845.5
8				28638.0 (8) 46840.8	
9					
10			28621.6 (10) 46834.3	28632.5 (10) 46834.2	
11				28634.8 (11) 46828.7	28643.9 (11) 46826.3
12				28634.8 (11) 46827.0 28630.2 (12) 46825.2	
13					
14				28636.5 (14) 46818.2 BOAT	
15	28602.8 (15) 46818.8		28621.8 (15) 46814.9		
16	28605.5 (17) 46809.9				
17	28601.1 (17) 46804.2 28605.4 (17) 46809.1				
18	28605.8 (18) 46805.0			28631.1 (18) 46804.7 28637.0 (18) 46806.5	
19					
20					
21		28616.2 (21) 46800.9	28627.4 (21) 46805.7		
22	28602.9 (22) 46798.4				28647.9 (22) 46798.2
23					28646.4 (23) 46796.2
24					
25					28649.6 (25) 46789.4
26		28615.0 (26) 46787.0			
27					
28		28616.2 (28) 46780.9	28622.7 (28) 46780.4		
29			28626.9 (29) 46779.6		
30					
31					
32					
33		28616.1 (33) 46764.8			
34					
35					
36				28630.0 (36) 46760.1	
37				28635.0 (37) 46754.1	
38					
39					
40		28616.1 (40) 46752.0			
41	28606.9 (41) 46748.2		28628.0 (21) 46750.5	28633.7 (41) 46753.7	
42					
43					
44			28623.7 (44) 46745.3		
45					
46					
47					
48					28642.2 (48) 46739.2
49					28642.2 (48) 46734.2
50	28600.0 (51) 46721.6	28611.2 (61) 46718.0		28639.8 (51) 46726.9	

ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28600

50-59.9	60-69.9	70-79.9	80-89.9	90-99.9	FATHOMS
					1
		28672.1 (2½) 46865.6			2
	28662.2 (3¾) 46866.2		28687.0 (3½) 46862.1	28699.4 (3½) 46860.1	3
				28691.5 (4) 46858.7	4
	28661.6 (5¾) 46852.7				5
					6
					7
					8
		28679.6 (9) 46816.4			9
28653.8 (10) 46829.1	28665.3 (10½) 46828.1				10
28657.3 (11) 46823.8	28662.8 (11) 46818.9				11
					12
					13
				28691.6 (14) 46800.6	14
					15
					16
		28678.6 (17) 46795.7	28698.2 (17) 46799.1		17
					18
					19
					20
28651.2 (21) 46796.9	28666.3 (21) 46798.6 ALTON				21
	28660.3 (22) 46798.6 ALTON				22
	28665.9 (22) 46798.0				23
	28668.6 (22) 46795.2				24
					25
			28689.5 (26) 46786.3		26
					27
					28
	28663.2 (29½) 46780.5				29
					30
28654.6 (31) 46777.1					31
					32
					33
28651.0 (34) 46765.0					34
					35
28658.5 (36) 46761.0	28666.8 (36) 46760.9		28686.2 (36) 46765.1		36
					37
		28675.0 (38) 46759.0			38
					39
					40
28651.5 (40) 46751.0					41
					42
					43
28659.1 (44) 46742.6	28662.5 (44) 46742.8				44
28659.7 (44) 46742.0					45
					46
					47
					48
					49
	28661.4 (52) 46715.6		28687.9 (52) 46729.4		50

28700

ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

FATHOMS	0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9
1					
2	28707.0 (3) 46861.9			28733.9 (27) 46857.8	
3	28707.8 (3½) 46860.4	28718.9 (3) 46862.8			28746.5 (3) 46845.9
4	28704.7 (4) 46858.0	28718.1 (3½) 46857.6			
5					
6				28733.0 (6) 46797.0	
7			28721.7 (9) 46792.7		28745.8 (X) 46795.6
8		28714.2 (8) 46792.7			28740.8 (X) 46795.6
9		28710.7 (9) 46795.6	28725.0 (9) 46792.5		
10	28701.4 (X) 46802.4			28739.6 (X) 46787.6	
11					
12				28734.7 (X) 46764.4 PIPE RIG	
13					28744.8 (X) 46785.4
14					28745.3 (X) 46784.9
15					
16		28714.8 (X) 46787.9			
17				28736.6 (X) 46755.7	
18					
19					
20					
21					
22					
23					
24			28726.9 (25) 46777.6		
25			28726.9 (25) 46779.6		
26			28725.4 (X) 46764.8		28745.0 (X) 46750.0
27					
28		28719.9 (X) 46773.5	28721.9 (X) 46767.2	28733.6 (28) 46748.3	
29				28737.2 (X) 46747.3	
30					
31	28700.8 (31) 46775.0				
32					
33					
34	28703.4 (X) 46750.6				
35	28702.1 (X) 46751.6				
36	28702.8 (X) 46751.2				
37					
38					
39					
40				28737.3 (X) 46786.0	
41					
42					
43					
44					
45					
46				28730.4 (46) 46727.4	
47					
48					
49					
50			28727.1 (X) 46705.9		28741.8 (X) 46722.6

ALL READINGS ARE ACTUAL LORAN C COORDINATES. NO SYMBOLS, ⊕, ARE UTILIZED.

28700

50 - 59 .9	60 - 69 .9	70 - 79 .9	80 - 89 .9	90 - 99 .9	FATHOMS
	28765.3 Ⓧ 46851.6 SW PASS AREA	28778.3 Ⓧ 46763.3	28783.8 Ⓧ 46845.3 / 28782.7 ② 46846.7	28791.1 Ⓧ 46879.4	1
28750.9 ② 46854.6	28765.3 | 46761.7	28771.1 Ⓧ 46768.9	28786.9 ② 46846.4	28791.1 Ⓧ 46859.8 / 28796.0 Ⓧ 46843.9	2
28756.0 ② 46851.0	28769.6 Ⓧ 46770.3	28776.0 ② 46845.2	28787.3 Ⓧ 46763.2	28799.6 Ⓧ 46843.4 / 28796.8 ④ 46818.6 WR.	3
28756.2 ③ 46845.8	28766.6 Ⓧ 46778.9 / 28761.0 Ⓧ 46769.9	28775.2 ⑤ 46823.7		28798.4 ④ 46795.4	4
28755.6 Ⓧ 46765.7	28765.0 ⑤ 46800.9 / 28762.7 ⑤ 46819.4	28779.4 ⑤ 46784.6		28792.1 ⑤ 46799.4	5
28759.3 ⓒ 46802.8	28766.0 Ⓧ 46809.3 / 28765.6 Ⓧ 46789.6	28770.5 ⑤ 46802.0		28790.4 Ⓧ 46774.5	6
28751.6 ⓒ 46823.4	28766.6 Ⓧ 46793.3 / 28767.0 Ⓧ 46769.9	28775.0 Ⓚ 46777.0			7
		28772.4 ⑤ 46762.0			8
		28777.1 Ⓛ 46759.8			9
28758.6 ⑩ 46755.0					10
					11
					12
28755.0 Ⓧ 46768.8				28791.1 Ⓧ 46759.8	13
28759.1 ⑭ 46777.3	28761.5 ⑭ 46777.2				14
	28760.3 ⑭ 46776.6				15
	28765.0 Ⓧ 46776.6				16
28750.8 ⑰ 46777.3					17
28750.9 ⑱ 46778.0					18
	28760.0 Ⓧ 46772.0				19
			28786.4 Ⓧ 46757.1		20
	28760.3 ㉑ 46752.5				21
					22
					23
					24
	28765.3 Ⓧ 46754.6 SW PASS				25
	28766.0 Ⓧ 46751.0				26
	28761.8 Ⓧ 46750.4				27
					28
					29
	28762.1 Ⓧ 46746.2				30
28756.3 Ⓧ 46744.3					31
					32
					33
					34
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					46
					47
					48
	28766.9 Ⓧ 46725.1				49
	28764.0 Ⓧ 46716.6				50