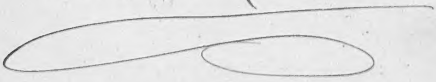


No. 6.

From D. 5304 to

D-5345

U.S.S. Albatross.



Next $\Delta r = \Delta. 5305.$

" $\Delta y = \Delta. 4915.$

Dredge } No. 5304 Date, Aug 9, 1900
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot }
Lead } lb

Turns 30 Sdg Cor'n _____ Depth 34 *chart fm.

Sdg. Cup _____ Amt. Bot'm Sample about 1 ton

Character of Bottom bl. M.

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 84° Time 7 05 } Air { 85 1/2°
 { 84° Time 9 28 } { 84°

Density: Surf. _____ fms. _____

Wind: Direction bl. S. bl. Force 3

Baromet. 29.54 Amt. of Clouds 3 State of Sea 2

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality China Sea.

Position 21-46-00N - 114-47-00E

Chart used: No. 798 H.O. Ed'n _____

Drift: Direction ? Distance ?

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz R. & glass floats, 2 wing weights, 1 tail weight

Time towing _____ h. 2 1/4

Remarks: _____

Deck Officer Mr. Cassidy Recorder A. B. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
<i>9</i> M. DOWN.	UP.	<i>a</i> M.		<i>a</i> M. DOWN.	UP.	<i>a</i> M.			
			0	<i>9</i>	<i>02</i>	<i>30</i>	<i>9</i>	<i>30</i>	<i>45</i>
			100	<i>9</i>	<i>06</i>	<i>10</i>	<i>9</i>	<i>26</i>	<i>28</i>
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
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			1600						
			1700						
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			1900						
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			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
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			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Dredge } No. D77 5305. Date, Oct. 24, 1908

Sdg. Mch. No sdy. Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth 37 fms. ^x

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom sft gy. IT in net

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 78° Time 8.00 p. } Air { 79°
78° Time 8.27 p. } 79°

Density: Surf. not taken fms. _____

Wind: Direction East Force 3

Baromet. 30.01 Amt. of Clouds 1 State of Sea S

Weather bcw.

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Chinn San.

Position ~~N 21° 54' N~~ - 114° 46' 00" E.

Chart used: No. 710 798 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 12' Tanner, 2 runner weights and 1 tailweight, 2 glass floats.

Time towing _____ h. 20 m.

^x Remarks: No sounding was taken. Depth calculated by angle of wire when dredge reached bottom. - 120 fms. wire out; 20 min.

Deck Officer Mr. Mettern Recorder [Signature]

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
<i>P</i> . M. Down.	Up.	<i>P</i> . M.			<i>P</i> . M. Down.	Up.	<i>P</i> . M.			
				0	7	58	00	8	32	20
				100	8	02	30			
				1200	8	07	00	8	27	00
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
				1400						
				1500						
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				1900						
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				2500						
				2600						
				2700						
				2800						
				2900						
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				4000						
				4100						
				4200						
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				4700						
				4800						
				4900						

Dredge } No. 3-306 Date, Oct 26, 1908
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot Lead 35 lbs.

Turns 170 Cor'n _____ Depth 170 fms.

Sdg. Cup Sigbee Amt. Bot'm Sample Small amt.

Character of Bottom Co, S

Thermom. { Make N. J. Cor'n { Instr. -13
 { No. 105013 { Stem. -47

Bottom Reading 5-30 Cor'd Temp. 51.4

Temp. Surf. { 80° Time 8:20 } Air { 80°
 { 70° Time 8:55 } { 79 1/2°

Density: Surf. not taken fms. 1.02489 ✓

Wind: Direction N. N. E. Force 3-4

Baromet. 29.86 Amt. of Clouds 3 State of Sea S

Weather bc.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality China Sea, near Pratas Id
20° 55' N. 116° 40' E.

Position _____

Chart used: No. H. O. 798 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 wing
weights, 1 tail weight, 2 glass
floats. (Net slightly torn)

Time towing _____ h. 30 min m.

Remarks: Water bottle used.

Deck Officer Mr. Cassidy Recorder C. H. Long

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		A. M. Down.	Up.	A. M.
8 05 25	8 12 15		0	8 18 30	8 06 00	
8 06 35	8 11 30		100	8 22 30	8 01 40	
8 09 00	8 10 30	170	200	8 29 50	8 58 00	
			300	8 32 05		
			400	8 34 45	8 54 45	
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400	x Stopped lowering		
			2500	net for several		
			2600	min to clear chst.		
			2700	wire on boom		
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 307 Date, Oct 26, 1908
Hydrog.

Sdg. Mch. Lucas Reel Lucas Shot/Lead 35 lbs.

Turns 186 Cor'n _____ Depth 186 fms.

Sdg. Cup Ligebe Amt. Bot'm Sample trace

Character of Bottom Glt.

Thermom. { Make T.G. Cor'n { Instr. -13
 { No. 108013 { Stem. -1.47

Bottom Reading 52.8 Cor'd Temp. 51.6

Temp. Surf. { 80° Time 11:07 } Air { 80°
 { 80° Time 11:35 } { 80 1/2

Density: Surf. 1.02434 fms. 1.02570

Wind: Direction N.E. Force 3

Baromet. 29.86 Amt. of Clouds 3 State of Sea 2

Weather bc.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Near Pratas Id., China Sea
21° 08' N.; 116° 45' E.

Position _____

Chart used: No. 798 H.O. Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul bottom

Apparatus and Rig used As before, except net mended.

Time towing h. 20 m.

Remarks: Water bottle used.

Deck Officer Mr. Cassidy Recorder C. B. Long

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		A. M. Down.	Up.	A. M.
10 37 20		10 40 00	0			
0 50 00			100			
10 38 00		10 30 00	200	10 56 30		
			300	10 59 50	11 29 15	
			400	11 02 50	11 28 50	
			450	11 04 10	11 24 00	
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 3 Date, 11/27/19

Sdg. Mch. Reel Shot/Lead 5 lbs.

Turns 62 Cor'n Depth 62 fms.

Sdg. Cup Amt. Bot'm Sample 600

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 77 Time 6:40 Air { 77 78 Time 7:05a } 77

Density: Surf. 1.02461 fms.

Wind: Direction NE Force 4

Baromet. 30.4 Amt. of Clouds 7 State of Sea 8

Weather bcg

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position 11° 54' N - 115° 02' W

Chart used: No. 798 Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used

Time towing 20 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

A M. Down. | Up. | A M.

6 25 30 6 30 20 12

FMS.

DREDGING CABLE.

Z M. Down. | Up. | Z M.

6 38 - 7 2 20
 6 41 30 5 10 20
 42 30 6 5 1 - 0

- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

Dredge } No. 500 Date, Feb 1, 1908

Sdg. Mch. T.N Reel Slack Shot/Lead lbs.

Turns 62 Cor'n Depth 62 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom SF gn M.

Thermom. { Make AB Cor'n { Instr. 23 No. 108013 Stem. 000

Bottom Reading 73.6° Cor'd Temp. 73.3

Temp. Surf. { 79° Time 8:35 a. } Air { 78° 79° Time 8:50 a. }

Density: Surf. fms. 200

Wind: Direction Force

Baromet. 30.06 Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position 21° 53' N - 115° 5' W

Chart used: No. H.O. 784 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing: h. 23 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>A.</i> M. Down.	Up.	<i>A.</i> M.		<i>A.</i> M. Down.	Up.	<i>A.</i> M.
8	18	30	0	8	24	15
8	19	30	60	8	29	30
			100	8	31	40
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 15210 Date, 1/1/1901

Hydrog. }
Sdg. Mch. Tanner Reel T.M. (Lead) 35 lbs.

Turns 102 Cor'n - 2 Depth 100 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom S, sh.

Thermom. { Make No. 108013 Cor'n { Instr. - 28 Stem. - 25

Bottom Reading 66' Cor'd Temp. 65.5

Temp. Surf. { 80° Time 12:40 } Air { 80°
80 Time 1:15 } 80 1/2

Density: Surf. not taken fms. 100

Wind: Direction E X N. Force 2

Baromet. 29.5 Amt. of Clouds 2 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality 7 mi. Protom. Isl, China Sea
21° 33' N; 116° 13' E.

Position

Chart used: No. 792 H.C. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 trawl
3' ...

Time towing 1.17 1/2 m.

Remarks: ...

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		P. M. Down.	Up.	P. M.
12 34 35	12 39 30		0	12 37 35	1 20 15	
12 36 40	12 35 30	10 2 100	100	12 43 50	1 18 15	
12 38 40	12 35 30	10 2 200	200	12 44 50	1 12 35	
			2 30	12 50 50	1 10 30	
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 511 Date, Nov. 1, 1905
Hydrog. }

Sdg. Mch. Tanner 1000 T.M. Shot/Lead 35 lbs.

Turns 90 Cor'n -1 Depth 88 fms.

Sdg. Cup T.M. Amt. Bot'm Sample

Character of Bottom Coral, sh.

Thermom. { Marked No. used Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 80° Time 1:40 } Air { 80°
50° Time 1:50 } 71°

Density: Surf. Not taken fms.

Wind: Direction E.N.E. Force 2

Baromet. 29.8 Amt. of Clouds 4 State of Sea 2

Weather bc.

Direction and Force of Current { Surface Bottom

Tide

General Locality Near Pratas Id., China Sea.

Lat 21° 33' N. Long 115° 15' E.

Position

Chart used: No. 790 H.S. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 14' Tanner 2
1 1/2' ... 1 ...

Time towing 1 1/2 h.

Remarks: ...

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. DOWN.	UP.	<i>P</i> M.		<i>P</i> M. DOWN.	UP.	<i>P</i> M.
1 51 30	1 55 10		0	1 32 20	2 05 30	
1 52 20	1 52 30		100	1 36 20	2 01 30	
			200	1 39 15	1 58 45	
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5312 Date, _____, 19__

Sdg. Mch. Lucas Reel Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup Dipnet Amt. Bot'm Sample 2 1/2%

Character of Bottom _____

Thermom. { Make H 3/ Cor'n { Instr. -20 No. 1 Stem. -38

Bottom Reading 58.1 Cor'd Temp. 57.5

Temp. Surf. { 80 Time 4:15 P } Air { 80 Time 5 } { 1

Density: Surf. 1.02461 fms. 1.02482

Wind: Direction ENE Force 3

Baromet. _____ Amt. of Clouds 2 State of Sea _____

Weather _____

Direction and Force of Current { Surface Bottom

Tide ..

General Locality Chusa Sea

Position 21-50N-112-52E

Chart used: No. 798 No Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul bottom

Apparatus and Rig used as before

Time towing _____ h. 17 m.

Remarks: Under water ... M. bay ...

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	4		
			100		17	20
6	08	12	200			
			300		25	30
			400	4	27	00
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1800			
			1400			
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			3900			
			4000			
			4100			
			4200			
			4300			
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			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, Nov, 1911
Hydrog. } _____

Sdg. Mch. _____ Reel _____ Shot/Lead 35 lbs.

Turns _____ Cor'n _____ Depth 150 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom 1. S. m.

Thermom. { Make _____ Cor'n { Instr. -1.15
 { No. 105045 { Stem. -43

Bottom Reading 54. Cor'd Temp. 53.6

Temp. Surf. { 85 Time _____ } Air { 75
 { 80 Time _____ } { 77

Density: Surf. 1.02461 fms. 1.02573

Wind: Direction East Force 3

Baromet. _____ Amt. of Clouds 9 State of Sea 5

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position 30N - 70W

Chart used: No. 798 H.C. Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul various

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: No. H. and sounding

Deck Officer _____ Recorder _____

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
6	18	20	6	24	20			
	19	20		23	10			12 00
6	19	40	6	21	150			07 00
					300			
					400			
					500			
					600			
					700			
					800			
					900			
					1000			
					1100			
					1200			
					1300			
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					3800			
					3900			
					4000			
					4100			
					4200			
					4300			
					4400			
					4500			
					4600			
					4700			
					4800			
					4900			

Dredge } No. _____ Date, _____ 19__

Sdg. Mch. _____ Reel _____ Shot _____ lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom 7 Sbk. St.

Thermom. { Make NB Cor'n { Instr. -20
 { No. _____ { Stem. -31

Bottom Reading _____ Cor'd Temp. 59.8°

Temp. Surf. { _____ Time 6:15 a } Air { 78°
 { _____ Time 6:45 a } { _____

Density: Surf. 1.02461 fms. 1.02526

Wind: Direction E N E Force 2-3

Baromet. 30.02 Amt. of Clouds 7 State of Sea _____

Weather bcnr

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Chinaman
New Port Id.

Position 21° 41' N 157° 10' W

Chart used: No. 1144 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used _____

Ref _____

Time towing _____ h. _____ m.

Remarks _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

M. Down.	Up.	M.	FMS.
			0
04	50	06 35	100
05	55		200
			250 300
			400
			500
			600
			700
			800
			900
			1000
			1100
			1200
			1300
			1400
			1500
			1600
			1700
			1800
			1900
			2000
			2100
			2200
			2300
			2400
			2500
			2600
			2700
			2800
			2900
			3000
			3100
			3200
			3300
			3400
			3500
			3600
			3700
			3800
			3900
			4000
			4100
			4200
			4300
			4400
			4500
			4600
			4700
			4800
			4900

M. Down.	Up.	M.
18	00	50 50
25	20	45 20

Dredge } No. 16316 Date, June 5, 1911
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot 33 lbs.

Turns 148 Cor'n — Depth 148 fms.

Sdg. Cup Lucas Amt. Bot'm Sample very small

Character of Bottom S. M.

Thermom. { Make R. 3 Cor'n { Instr. 113'
 { No. 108013 { Stem. -41

Bottom Reading 55° Cor'd Temp. 54.4

Temp. Surf. { 79° Time 8:00 } Air { 79
 { Time 9:07 } { 83

Density: Surf. 1.02500 fms. 1.02506

Wind: Direction E Force 2

Baromet. 29.89 Amt. of Clouds 3 State of Sea —

Weather bc

Direction and Force of Current { Surface —
 { Bottom —

Tide —

General Locality China Sea

Position 21°40' N. 116°58' E

Chart used: No. H. O. 798 Ed'n —

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used 12' Trawl, 2 trawling
weights, 1 tail weight, 3 pieces
—, 1 mud trap.

Time towing h. 17 1/2 m.

Remarks: Water in haul

Deck Officer L. C. Cassidy Recorder C. B. ...

SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. *A. M.*

FMS.

A. M. Down. | Up. *A. M.*

5 19 45 8 24 00
 5 20 45 8 23 25
 5 21 15 8 22 40 14

0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

5 30 30 9 14 40
 8 33 30 9 08 35
 8 37 30 9 01 30
 8 41 40 9 01 20

Dredge } No. 5316 Date, June 5, 1905

Sdg. Mch. Lucas Reel Lucas Shot 33 lbs.

Turns 157 Cor'n Depth 159 fms.

Sdg. Cup Sieve Amt. Bot'm Sample

Character of Bottom S. sh.

Thermom. { Make N.G. Cor'n { Instr. -15 No. 104013 Stem. -43

Bottom Reading 6-40 Cor'd Temp. 53.4

Temp. Surf. { 80° Time 10:56 } Air { 82° 82.4° Time 11:26

Density: Surf. 1.02481 fms. 1.02577

Wind: Direction E.N.E. Force 2

Baromet. 29.88 Amt. of Clouds 2 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality China sea

Position 21° 39' N. 117° 07' E

Chart used: No. 798 H.O. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 3 wires, 1 tail weight, 1 mud bag, 3 glass floats

Time towing h. 2 5/2

Remarks: Water bottom reached. Mud bag torn.

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
G. M. Down.	Up.		G. M.	G. M. Down.	Up.	G. M.
10 35 15	10 40 30	0	10 45 45	11 37 00		
10 36 15	10 37 15	100	10 43 05	11 32 45		
10 37 00	10 35 25 1/2	200	10 51 05	11 28 55		
		300	10 55 35	11 25 05		
		400	10 57 30	11 23 10		
		500				
		600				
		700				
		800				
		900				
		1000				
		1100				
		1200				
		1300				
		1400				
		1500				
		1600				
		1700				
		1800				
		1900				
		2000				
		2100				
		2200				
		2300				
		2400				
		2500				
		2600				
		2700				
		2800				
		2900				
		3000				
		3100				
		3200				
		3300				
		3400				
		3500				
		3600				
		3700				
		3800				
		3900				
		4000				
		4100				
		4200				
		4300				
		4400				
		4500				
		4600				
		4700				
		4800				
		4900				

Dredge } No. 1007 Date, 5, 19

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth 230 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom S

Thermom. { Make N No. 108013 Cor'n { Instr. -13 Stem. -48

Bottom Reading 51.2 Cor'd Temp. 30.6°

Temp. Surf. { 80° Time 2:15 P } Air { 82° Time 3:15 P

Density: Surf. 1.02474 fms. 200

Wind: Direction East Force 2

Baromet. 30.1 Amt. of Clouds 5 State of Sea 2

Weather bay

Direction and Force of Current { Surface _____ Bottom _____

Tide _____

General Locality _____

Position 26 40 17

Chart used: No. 798 H.O. Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul bottom

Apparatus and Rig used _____

Time towing h. 20 m.

Remarks: _____

Deck Officer _____ Recorder _____

John J. G.

SOUNDING WIRE.			FMS.	DREDGING CABLE.				
M. Down.	Up.	P. M.		M. Down.	Up.	M.		
2	02 10	2	08 30	0	2	12 20		
	03 10		07 15	100		17 00	3	08
	04		06 15	200				
2	04 30	2	05 40	300		26 00		55
			230	400	2	31 00	2	51
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. _____ Date, _____, 1907

Sdg. Mch. _____ Reel _____ Shot _____ lbs.

Turns 340 Cor'n _____ Depth 340 fms.

Sdg. Cup Siphon Amt. Bot'm Sample _____

Character of Bottom S. M. Ch.

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading ~~340~~ Cor'd Temp. _____

Temp. Surf. { 79 Time 5:15 p. } Air { _____
 { 79 Time 6:00 p. } { _____

Density: Surf. not taken fms. _____

Wind: Direction ENE Force 3

Baromet. 29.8 Amt. of Clouds 3 State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality China Sea

Position _____

Chart used: No. _____ Ed'n Jan '07

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used Ac. Trawl

Time towing _____ h. 6 m.

Remarks: Spent 20 minutes pulling out trawl
and hauled up. The trawl was
broken at the top, the net was
240 fms. wire. The trawl was
hauled up. - Bridle stayed
carried away - trawl came up
upside down; nothing lost.

Deck Officer _____ Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

5 M. Down. Up. 5 M.

5 M. Down. Up. 5 M.

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
5 M. Down.	Up.		5 M. Down.	Up.	5 M.	
5 00	00	0	5 08	00		
00	50	100	11	40	6	01 10
01	45	200	15	15	5	57 30
02	40	300	19	25	5	53 00
5 03	30	340 400	23	30	5	49 15
		500	26	30	5	4
		600	29	30	5	40 10
		650 700	5 31	30	5	37 40
		800				
		900				
		1000				
		1100				
		1200				
		1300				
		1400				
		1500				
		1600				
		1700				
		1800				
		1900				
		2000				
		2100				
		2200				
		2300				
		2400				
		2500				
		2600				
		2700				
		2800				
		2900				
		3000				
		3100				
		3200				
		3300				
		3400				
		3500				
		3600				
		3700				
		3800				
		3900				
		4000				
		4100				
		4200				
		4300				
		4400				
		4500				
		4600				
		4700				
		4800				
		4900				

Dredge } No. 5214 Date, May 5, 1901
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot & Lead _____ lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ No. _____ Cor'n { Instr. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 79.0 Time 7:20 Air { 79.0
79.1 Time 7:57 } 79.1

Density: Surf. _____ fms. _____

Wind: Direction East Force 2-3

Baromet. 29.99 Amt. of Clouds 5 State of Sea 8

Weather low

Direction and Force of Current { Surface _____ Bottom _____

Tide _____

General Locality China Sea

Position _____

Chart used: No. C. 117 Ed'n Jan 01

Drift: Direction _____ Distance _____

Depth of Haul 50 fms. surface, 50 fms.

Apparatus and Rig used 10' beam trawl - anchor

Time towing _____ h. 27 m.

Remarks: No. 5214, depth of haul 50 fms.

Deck Officer _____ Recorder _____

SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

FMS.

M. Down. | Up. | M.

0	7	21	00	7	52	30
45-100	7	22	45	7	49	45
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

Tideg. No. _____ Date, _____, 19____

Sdg. Mch. _____ Reel _____ Shot/Lead 30 lbs.

Turns 689 Cor'n _____ Depth 689 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N. 3. Cor'n { Instr. _____
 { No. (?) { Stem. _____

Bottom Reading _____ Cor'd Temp. 79

Temp. Surf. { 78 Time _____ } Air { 79
 { Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction E. N. E. Force 2

Baromet. 29.99 Amt. of Clouds 3 State of Sea 0

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position 23° 11' N, 116° 25' W

Chart used: No. C.S. 4200 Ed'n June '07

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: Under way in surface
12:12
689 fms

Deck Officer H. S. [unclear] Recorder _____

SOUNDING WIRE.

a M. Down.			Up.	a M.	
12	02	25			
12	03	35			
✓ 12	04	50			
12	06	00			
12	08	20			
12	09	35			
12	10	50	12	23	00

FMS.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- ~~700~~
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

DREDGING CABLE.

M. Down.		Up.	M.	

Hydrog. No. 2171 Date, 11, 19

Sdg. Mch. Reel Shot/Lead lbs.

Turns 1498 Cor'n Depth 1498 fms.

Sdg. Cup Amt. Bot'm Sample Lost

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 70 Time Air {

Density: Surf. fms.

Wind: Direction East Force 2

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: carried away while hauling

Deck Officer Recorder

SOUNDING WIRE.

DREDGING CABLE.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
08 20	94	Root	0			
10 00	4	51 30	100			
11 40		51 30	200			
13 25		49 20	300			
15 05		48 35	400			
16 50			500			
18 35			600			
20 20			700			
21 55			800			
23 40		43 20	900			
25 20		42 10	1000			
27 00		41 00	1100			
28 40		38 45	1200			
30 20		37 30	1300			
32 00		36 20	1400			
33 40			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Towed in } No. 4917 Date, _____, 19__

Sigs. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns 1758 Cor'n _____ Depth 1758 fms.

Sigs. Cup Sigsbee Amt. Bot'm Sample _____

Character of Bottom sfl. br. T

Thermom. { Make } none used Cor'n { Instr. }
{ No. } _____ { Stem. } _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 80 Time _____ } Air { 30 Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force of Current { Surface _____ }
{ Bottom _____ }

Tide _____

General Locality China Seas.

21° 11' N 119° 31' E

Position _____

Chart used: No. CS 4200 Ed'n Jan. '07

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Exp. specimens at Soundings.

SOUNDING WIRE.

DREDGING CABLE.

FMS.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	Up.	M.		M. DOWN.	Up.	M.
9	01	10	28 00			0
	53	00	27 15			100
			27 00			200
	55	30	25 00			300
	56	40	24 05			400
	57	45	23 05			500
	59	10	22 00			600
10	00	25	21 00			700
	01	40	20 55			800
	02	55	20 10			900
	04	10	20 00			1000
	05	30	19 30			1100
	06	45	19 00			1200
	08	05	18 40			1300
			18 30			1400
	11	30	18 00			1500
	12	40	17 30			1600
	14	15	17 15			1700
10	15	05	16 25			1800
						1900
						2000
						2100
						2200
						2300
						2400
						2500
						2600
						2700
						2800
						2900
						3000
						3100
						3200
						3300
						3400
						3500
						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

spline at 55 fms.

spline at 1065 fms.

{ 2 128 fms. S.W. wire }
 expended line

Dredge Hydrog. No. 5324 Date, () 1908

Sdg. Mch. Reel Shot/Leads lbs.

Turns 1815 Cor'n - 11 Depth 1824 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.S. Cor'n { Instr. - .033 No. 10862 Stem. - .745

Bottom Reading 37 Cor'd Temp. 36.2

Temp. Surf. { Ea^l Time 2:52 } Air { 80° Time 3:50 }

Density: Surf. Ni. fms. 1.02574

Wind: Direction N.W. Force 2

Baromet. Amt. of Clouds 1 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality 26° 38' N. 127° 12' E

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing: h. 20 m.

Remarks: ...

Deck Officer Recorder

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. Up. M.

M. Down. Up. M.

1	23	00	2	04	00	0
1	25	20	2	03	05	100
1	35	00	2	42	20	200
1	38	10	2	41	25	300
1	40	00	2	39	30	400
1	42	10	2	38	30	500
1	43	40	2	37	40	600
1	45	00	2	36	45	700
1	47	00	2	35	45	800
1	47	45				900
2	04	10	2	34	45	930
2	05	35	2	33	25	1000
2	07	00	2	32	30	1100
2	08	25	2	31	30	1200
2	09	15				1300
2	15	30	2	30	25	1400
2	17	05	2	29	25	1500
2	18	40	2	28	25	1600
2	20	10	2	27	20	1700
2	21	15				1800
2	24	00	2	26	20	1900
2	24	30	2	25	00	2000
						2100
						2200
						2300
						2400
						2500
						2600
						2700
						2800
						2900
						3000
						3100
						3200
						3300
						3400
						3500
						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

2	47	20	3	12	20	
2	53	50	3	03	30	
3	01	30	3	56	50	
3	08	20	3	48	50	
3	11	20	3	45	10	
3	14	30	3	41	20	
3	17		3			

x See ...

x

in sounding.

Trawl No. 4211 Date, 11/11/19

Sdg. Mch. _____ Reel *Lucas* Shot/Lead } 35 lbs.

Turns _____ Cor'n _____ Depth 1220 fms.

Sdg. Cup *Lucas* Amt. Bot'm Sample _____

Character of Bottom *soft M.*

Thermom. { Make *770* Cor'n { Instr. -.03
 { No. *108522* { Stem. -.74

Bottom Reading. *372* Cor'd Temp. *36.4*

Temp. Surf. { *80* Time _____ } .Air { *80* Time _____

Density: Surf. _____ fms. _____

Wind: Direction *East* Force *2-3*

Baromet. *30.1* Amt. of Clouds _____ State of Sea _____

Weather *bc*

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

20° 16' N, 120° 52' E.

Position _____

Chart used: No. *C.S. 4200*, Ed'n. _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: *W. T. T. used in haul*

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
9	08 50	9 51 30	0			
			100			
			200			
	68 10	47 45	300			
	15 00	46 40	400			
	17 20	45 30	500			
	17 15	44 30	600			
			700			
			800			
			900			
	27 10	38 30	1000			
	29 00	37 00	1100			
	31 20	35 30	1200			
9	32 00	9 34 30	1220			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 4919 Date, Nov. 9, 19

Sdg. Mch. J. J. Reel Shot Lead lbs.

Turns Cor'n Depth 64 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom ?

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

477' W. 837'

Position 36-14'-15" N. 121-37'-8" W.

Chart used: No. 4710 C. S. Ed'n July 15

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

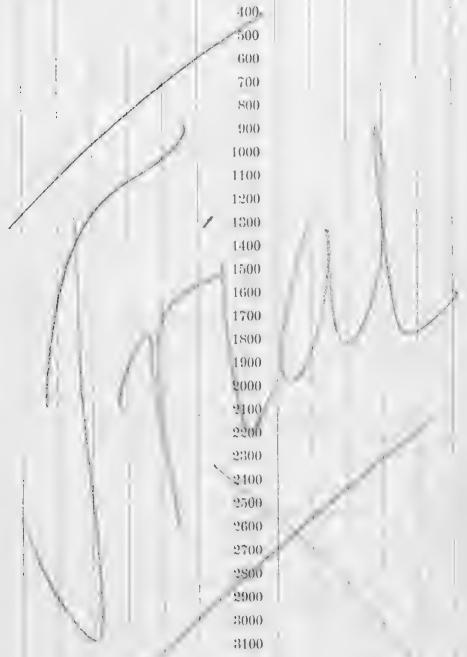
M. Down. Up. M.

M. Down. Up. M.

~~17 10 11 18 40~~

~~17 15 4 17 53 46~~

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900



See next page
after
20.532
 of H. 4920!!!
 0
 C.E.W.

Dredge } No. 5221 Date, Nov 10, 1908

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns 26 Cor'n _____ Depth 26 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make } none used Cor'n { Instr. } _____
{ No. } _____ { Stem. } _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 21.0 Time 11:25 a } Air { 22.0
21.0 Time 11:20 a }

Density: Surf. _____ fms. none

Wind: Direction East Force 2-3

Baromet. 30.15 Amt. of Clouds 8 State of Sea _____

Weather bc

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position 20 11 34.121 51 10 E

Chart used: No. 4710 1st Ed'n July 06

Drift: Direction N Distance 2.3 miles

Depth of Haul Bottom

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: Heavy rain, strong on accumulation of mud. - Edge of mud bed.

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

" 22 15 " 23 20
 " 22 30 " 23 35

" 24 00 " 30 00
 " 25 00 " 29 00

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

Dredge } No. 5322 Date, Nov 9, 19

Hydrog. } Sigsbee Reel Shot/Lead 14 lbs.

Turns 7 Cor'n - Depth 70 fms.

Sdg. Cup Amt. Bot'm Sample 21.3

Character of Bottom S.S., G.S.

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 81° Time 11:41 AM Air { 82° 81° Time 11:52 AM Air { 82°

Density: Surf. none fms. none.

Wind: Direction ESE Force 2-3

Baromet. 30.15 Amt. of Clouds 8 State of Sea 3

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality 1.25 mi.

Aug 13.24 8.44 W. Lat 18.20 S 22.0

Position 20° 14.35 N 122° 57'

Chart used: No. 4700 Ed'n July '05

Drift: Direction N Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	11	40	30	11	52	15
			25 100	11	42	15	11	51	00
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
			2100						
			2200						
			2300						
			2400						
			2500						
			2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Dredge } No. 2 Date, 10/10/1911

Sdg. Mch. Reel Shot lbs.

Turns 30 Cor'n Depth 103 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 105022 Cor'n { Instr. -20 Stem. -44

Bottom Reading Cor'd Temp. 58.4

Temp. Surf. { Time 1:57 Air { 82° Time 2:33 81°

Density: Surf. 1.02538 fms. none

Wind: Direction E x S Force 3

Baromet. Amt. of Clouds State of Sea

Weather hazy

Direction and Force of Current { Surface Bottom

Tide 24 (S.E.) N 30° W - 1/2 mi.

General Locality

Position

Chart used: No. Ed'n July 1915

Drift: Direction 70° Distance 2 mi.

Depth of Haul bottom

Apparatus and Rig used

Time towing h. 20 m.

Remarks

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
⊙ M. Down.	↑ Up.	⊙ M.		⊙ M. Down.	↑ Up.	⊙ M.
1	35	10	1	44	00	0
1	36	20	1	43	00	100
1	37	30	1	41	53	200
1	38	40	1	40	25	300
1	39	20	1	40	20	303 400
						500
						600
						700
						800
						900
						1000
						1100
						1200
						1300
						1400
						1500
						1600
						1700
						1800
						1900
						2000
						2100
						2200
						2300
						2400
						2500
						2600
						2700
						2800
						2900
						3000
						3100
						3200
						3300
						3400
						3500
						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

1 59 40 2 44 30
 2 03 16 2 40 40
 2 06 10 2 57 20
 2 07 00 2 33 45
 2 11 00 2 31 45

Dredge } No. 3324 Date, Nov 9, 19

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns 37 Cor'n _____ Depth 66 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. .07
No. 108022 Stem. -1.71

Bottom Reading 46.30 Cor'd Temp. 40.9

Temp. Surf. { 82° Time 2:40 P } Air { 62
81° Time 5:00 P } 71

Density: Surf. 1.02523 fms. 1.02533

Wind: Direction E.S. Force _____

Baromet. 27.3 Amt. of Clouds 9 State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
Bottom _____

Tide High (S end) N 15° E., 10.5 min

General Locality _____

Position 30° 17' N 121° 47' W

Chart used: No. C.S. 4710 Ed'n July 05.

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 12' _____

Time towing n. 1 1/2 m.

Remarks: Shotter bottle used

Deck Officer _____ Recorder _____

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. Up. M.

M. Down. Up. M.

3	02	45	3	24	50
3	03	40	3	23	45
3	04	40	3	23	00
3	05	45	3	22	15
3	09	20	3	20	30
3	18	50	3	19	50

573

3	25	40	4	08	
3				53	
3					
3					
3					
3	40	25		00	0
3					
3					
3					
4	04	40		21	30
	07			17	30
4	10	00	11	11	30

x I stopped letting wire out to get same perpendicular

- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

Dredge No. 5275 Date, _____, 19__

Sdg. Mch. Lucas Reel Shot 35 lbs.

Turns 224 Cor'n _____ Depth 224 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample _____

Character of Bottom gy. M.

Thermom. { Make T. J. No. 108022 Cor'n { Instr. -.15 Stem. -.53

Bottom Reading 53.9° Cor'd Temp. 53.2

Temp. Surf. { 82° Time 10:56 am } Air { 81°

Density: Surf. 1.02491 fms. 1.02525

Wind: Direction NE Force 3

Baromet. 30.0 Amt. of Clouds 5 State of Sea 2

Weather bc

Direction and Force of Current { Surface _____ Bottom _____

Tide _____ 16.75 mi.

General Locality _____

Position 18° 34' (45") N 171° (51-15") W

Chart used: No. 111 Ed'n July '07

Drift: Direction S. 58° E. Distance 1 mi.

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. 19 m.

Remarks: _____

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.	Up.	M.			M. Down.	Up.	M.			
42	50	47	10	0	11	56	00	11	17	00
42	50	47	10	100	11	00	00	11	44	10
		45	00	200		03	00		31	00
10	44	30	10	300		07	20		37	00
				400		11	45		34	40
				450	11	13	20	11	32	00
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
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				3900						
				4000						
				4100						
				4200						
				4300						
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				4500						
				4600						
				4700						
				4800						
				4900						

Dredge } No. 2 Date, _____, 19

Sdg. Mch. Lucas Reel Lucas Shot/Lead } 30 lbs.

Turns 230 Cor'n _____ Depth 250 fms.

Sdg. Cup _____ Amt. Bot'm Sample 1/2

Character of Bottom 1 m

Thermom. { Make N.J. Cor'n { Instr. .17
 { No. 108020 { Stem. -.47

Bottom Reading _____ Cor'd Temp. 55.4

Temp. Surf. { _____ Time _____ } Air { _____
 { 51 Time / _____ } { 51

Density: Surf. 1.02437 fms. 1.02496

Wind: Direction N.N.E. Force 2

Baromet. _____ Amt. of Clouds 2-4 State of Sea

Weather bc

Direction and Force of Current { Surface
 { Bottom

Tide _____ 8.00 mi.

General Locality _____

(W) N 31° W, 1/2 mi. _____

Position 19° 2' 30" N, 172° 30' W

Chart used: No. 117 Ed'n May

Drift: Direction S. by E. Distance 1/2 mi.

Depth of Haul Bottom

Apparatus and Rig used 1

1 tail, 1 weight, 3 glass

Time towing h. 20 m.

Remarks: _____

Deck Officer Mr. Cassidy Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.								
M. Down.	Up.	M.		M. Down.	Up.	M.						
12	56	30	1	04	05	0	1	08	20	2	02	30
						100	1	12	20	2	02	10
	59	15	1	01	30	200	1		00	1	58	35
12	59	45	1	00	55	230-800	1	19	55	1		
						400	1	23	45	1		
						500	1	27	30	1	47	15
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 4711 Date, July 10, 1907
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns 198 Cor'n _____ Depth 198 fms.

Sdg. Cup Pig. Cup Amt. Bot'm Sample _____

Character of Bottom ft. M; fine S.

Thermom. { Make N.G. Cor'n { Instr. _____
 { No. 10000 { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { 81° { Time 3:05 } { 81°

Density: Surf. 1.02434 fms. 1.02468

Wind: Direction N.W.E. Force 2

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____ 6.8 min

General Locality Off Puerto Pt., Palau Id., S. 78° E, 12.5 E.

Position 18° 31' - 30" N 122° 03' - 50" E

Chart used: No. 4711 C.S. Ed'n July '07.

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 12' Tanner, 2 wing

Plants, 1 sword leaf

Time towing _____ h. 20 m.

Remarks: _____

300 bottom

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M. Down.		Up.	P.M.				P.M. Down.		Up.	P.M.		
2	13	10	2	19	10	0	2	23	40	3	5	30
2	14	20	2	17	45	100	2	27	30			
2	15	30	2	16	30	198-200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
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						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 1192 Date, 1, 190

Sdg. Mch. 1 Reel Shot/Lead lbs.

Turns 46 Cor'n Depth 46 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air { Time }

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. 4710 Ed'n July 05

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

17 60

2 1/2 fms. after

H. 4919

C. 100

Dredge } No. 223 Date, 19

Sdg. Mch. Reel Shot / lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make / No. Cor'n { Instr. -0.15 Stem. -0.45

Bottom Reading Cor'd Temp. 53.9

Temp. Surf. { 79.0 78.0 Time 9.30 a. 10.30 a. Air { 78 78

Density: Surf. 1.02464 fms. 1.02513

Wind: Direction NE Force 3

Baromet. 30.00 Amt. of Clouds 6 State of Sea

Weather fog

Direction and Force of Current { Surface Bottom

Tide N 79° E, 28.4 mi.

General Locality

Position 13-29-15 N - 171-27 W

Chart used: No. 1711 Ed'n

Drift: Direction N 52 W Distance 1.2

Depth of Haul bottom

Apparatus and Rig used

Time towing h. m.

Remarks: Water bottle sounding

Deck Officer Recorder

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

M. Down. | Up. | M.

M. Down.	Up.	M.	FMS.
9 30 30	7 30 30		0
52 00			100
1 28 00	9 25 30	150	200
			300
			400
			500
			600
			700
			800
			900
			1000
			1100
			1200
			1300
			1400
			1500
			1600
			1700
			1800
			1900
			2000
			2100
			2200
			2300
			2400
			2500
			2600
			2700
			2800
			2900
			3000
			3100
			3200
			3300
			3400
			3500
			3600
			3700
			3800
			3900
			4000
			4100
			4200
			4300
			4400
			4500
			4600
			4700
			4800
			4900

7 15 30	10 30	150
30 10	13 20	
38 10	39 20	
42 30	05 30	
47 10	04 30	

Dredge Hydrog. No. 5327 Date, 1919
Sdg. Mch. Lucas Reel Lucas Shot/Lead 5 lbs.
Turns Cor'n Depth 52 fms.
Sdg. Cup Light Amt. Bot'm Sample 7.25
Character of Bottom Blue M.

Thermom. { Make N.Y. Cor'n { Instr. -13
 { No. 22 { Stem. -48

Bottom Reading 52, Cor'd Temp. 51.4

Temp. Surf. { 78° Time 11:10 a } Air { 79°
 { 79° } { 70°

Density: Surf. 1.02492 fms. 1.02593

Wind: Direction NE Force 3

Baromet. Amt. of Clouds 7 State of Sea

Weather very

Direction and Force of Current { Surface
 { Bottom

Tide 24.25 min.

General Locality Hawaiian Islands

Position 155-37-30

Chart used: No. 4711 Ed'n 07

Drift: Direction 113 Distance 3.0

Depth of Haul 52

Apparatus and Rig used Lucas

Time towing h. m.

Remarks: V. to 52 fms. 7.25

Deck Officer Mr. L. S. ... Recorder, ... 11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up.		M. Down.	Up.
10 00		0		
11 20		100	11 20	35
		200	14 40	15
		2300	18 00	02 10
		400	21 00	48 00
		500	11 23 30	-
		500		
		600	25 10	11 33 30
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 350 Date, July 19, 1908
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot/Lead 55 lbs.

Turns 178 Cor'n - Depth 178 fms.

Sdg. Cup Eijsbier Amt. Bot'm Sample 3

Character of Bottom bn. S.T.

Thermom. { Make N.B. Cor'n { Instr. -15
 { No. 109022 { Stem. -45

Bottom Reading 50 Cor'd Temp. 53.4

Temp. Surf. { 78° Time 1:33 p.m. } Air { 78°
 { 78° Time 2:00 p.m. } { 78°

Density: Surf. 1.02576 fms. 1.02523

Wind: Direction NE Force 3

Baromet. 24.92 Amt. of Clouds ? State of Sea -

Weather bc.

Direction and Force of Current { Surface
 { Bottom

Tide -

General Locality 33.3 mi. off Cape Cod

Position 18°33'30" N - 121°03'15" E

Chart used: No. C.S. 4711 Ed'n May 07.

Drift: Direction - Distance -

Depth of Haul Bottom

Apparatus and Rig used 1. Lucas

Time towing - h. 20 m.

Remarks: Current to NW experienced

Deck Officer [Signature] Recorder [Signature]

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
1 05 25	1 14 20		0	1 17 35	2 12 50	
1 06 25	1 13 20		100	2 1 30	07 10	
1 11 00	1 12 15	198	200	2 5 15	2 30	
			300	2 7 50	57 30	
			400	3 0 40	55 40	
			470	3 2 45	1 52 40	
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 23 Date, *pl.* *Nov 20*, 19*13*
Hydrog.

Sdg. Mch. Lucas Reel Shot/Lead lbs.

Turns 120 Cor'n Depth 170 fms.

Sdg. Cup Amt. Bot'm Sample 2

Character of Bottom S. Sh. M

Thermom. { Make *W. G.* Cor'n { Instr. *-15*
 { No. *108023* { Stem. *-.46*

Bottom Reading Cor'd Temp. *54.7*

Temp. Surf. { *80°* Time *8 29* } Air { *55*
 { Time } {

Density: Surf. *1.0242* fms. *1.0247*

Wind: Direction *Variable* Force *0-1*

Baromet. Amt. of Clouds *1* State of Sea *S*

Weather

Direction and Force of Current { Surface
 { Bottom

Tide *7.3 min*

General Locality

Position *15° 35' 45" N 119° 45' 00" W*

Chart used: No. *4712 C.S. Ed'n* *Sept. 1904*

Drift: Direction *S 49° E* Distance *2*

Depth of Haul

Apparatus and Rig used *12' ...*

Shots, 1 mud bag

Time towing *h. 20 m.*

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

5 10 30 | 5 14 55
 8 11 20 | 8 13 50
 8 12 10 | 8 13 10 178

FMS.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

DREDGING CABLE.

M. Down. | Up. | M.

8 20 55 | 9 00 00
 8 24 45 | 9 16 30
 8 28 15 | 9 18 30
 5 31 55 | 7 20 00
 8 34 55 | 9 06 15
 8 39 05 | 9 02 00
 5 41 00 | 8 00 00

To here

Table ... of ...

...

...

Dredge } No. 1332 Date, Dec 12 1908
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth 745 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N.Y. Cor'n { Instr. _____
 { No. 108022 { Stem. _____

Bottom Reading 39° Cor'd Temp. _____

Temp. Surf. { 81° Time 11:00 a }
 { _____ Time _____ } Air { _____

Density: Surf. 1.02345 Water fms. 1.02548

Wind: Direction various Force _____

Baromet. _____ Amt. of Clouds ✓ State of Sea S

Weather bcy.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. C.S. 4714 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul bottom

Apparatus and Rig used as before

Time towing _____ h. 2 m.

Remarks: _____

Deck Officer M.S. [unclear] Recorder _____

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | L. M.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	L. M.
2	49		0	10	12	1
	47	25	100	11		27
			200			17
			300			18
			400	97		11
			500	13		22
			600	15		26
			700			21
			800	1		27
			900			27
			1000			27
			1100			27
			1200	27		27
			1300	27		27
			1400	27		27
			1500	37		27
			1600	40		27
			1700	43		27
			1800	45		27
			1900			27
			2000	11	5	5
			2100			12
			2200			12
			2300			12
			2400			12
			2500			12
			2600			12
			2700			12
			2800			12
			2900			12
			3000			12
			3100			12
			3200			12
			3300			12
			3400			12
			3500			12
			3600			12
			3700			12
			3800			12
			3900			12
			4000			12
			4100			12
			4200			12
			4300			12
			4400			12
			4500			12
			4600			12
			4700			12
			4800			12
			4900			12

Lucas Hydrog. No. 492 / Date, Dec 12, 1916

Sdg. Mch. Lucas Reel Shot/Leads 35 lbs.

Turns 584 Cor'n - Depth 584 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom G. S. S.

Thermom. { Make No. 105000 Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52.0 Time Air {

Density: Surf. 1.02461 fms. 1.02535

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. CS 4714 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: ...

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

60	30	59	45
47	30	56	45
45	30	55	45
46	35	55	20
48	10	54	05
49	30	53	05
50	55	52	00

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge No. 5373 Date, , 19

Sdg. Mch. Reel Shot/Lead lbs.

Turns 310 Cor'n Depth 310 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.S. No. 105022 Cor'n { Instr. 4 Stem.

Bottom Reading Cor'd Temp. 73.2

Temp. Surf. { 80.0 Time 9:10 a } Air {

Density: Surf. fms. 1.0254

Wind: Direction Force 1

Baromet. Amt. of Clouds State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position 125° 30' W 120° 30' N

Chart used: No. C. 117 Ed'n

Drift: Direction X Distance X

Depth of Haul

Apparatus and Rig used 12

Shots 2

Time towing h. 7 m.

Remarks: inside towing if towing 12:00 10

Deck Officer Recorder

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. Up. M.

M. Down. Up. M.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
7	37	25	100	7	03	00
			200			58
			300	8	03	30
			400			57
			500		06	30
			600			46
			700	8	09	20
			800			43
			900	8	10	00
			1000			37
			1100	8	26	30
			1200			8
			1300			36
			1400			30
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 524 Date, _____, 19__

Sdg. Mch. _____ Reel _____ Shot/Lead 55 lbs.

Turns _____ Cor'n _____ Depth 112 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom 0 gyms

Thermom. { Make 11. Cor'n { Instr. _____ Stem. _____

Bottom Reading 111 Cor'd Temp. 43.2

Temp. Surf. { Time 7:30 } Air { Time 11:50 } Density: Surf. 1.0238

Wind: Direction NW Force 1

Baromet. _____ Amt. of Clouds 1 State of Sea _____

Weather _____

Direction and Force of Current { Surface _____ Bottom _____

Tide _____

General Locality _____

Position 12° 15' N 120° 30' E

Chart used: No. CS 4714 Ed'n _____

Drift: Direction _____ Distance 2.0

Depth of Haul Bottom

Apparatus and Rig used as before

Time towing _____ h. 6 m.

Remarks: with 112 fms. haul... at 12:02, there was a sudden change on account of... mud & bit of sand.

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. | Up. | M.

7 10 25 7 20 25
 11 30 25 30
 12 40 20 35
 13 50 23 30
 15 00 22 40
 16 50 21 10
 17 10 19 15

9 18 30 9 19 30

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. Down. | Up. | M.

9 10 50 12 07 50
 34 30 12 02 30
 20 20 50 20
 27 40 45 00
 22 00 32 15
 42 00 21 00
 51 10 10 15
 52 30 11 20
 57 10 56 35
 10 00 30 51 45
 03 50 47 00
 07 30 42 00
 10 40 36 30
 13 45 31 30
 10 17 00 10 23 30

Dredge } No. 525 Date, 18 Dec, 1906
Hydrog. }
Sigs. Mch. T. N. Reel Shot/Lead 20 lbs.
Turns 46 Cor'n - Depth 46 fms.
Sigs. Cup Armina Amt. Bot'm Sample trace
Character of Bottom S.F.

Thermom. { Make N. 3 Cor'n { Instr. -
 { No. 10222 { Stem. -

Bottom Reading: X Cor'd Temp. A

Temp. Surf. { 8.0 Time 12:00 } Air { 8.0
 { 8.1 Time 12:05 } { 8.0

Density: Surf. _____ fms. _____

Wind: Direction ENE Force 6

Baromet. 30.1 Amt. of Clouds - State of Sea -

Weather c7

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position 54° 00' N 11° 00' W

Chart used: No. 4716 CS Ed'n _____

Drift: Direction 7 Distance 7

Depth of Haul Bottom

Apparatus and Rig used _____

1 tail net, mudbag

Time towing h. 0 m. 0

Remarks: _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

2 M. Down. | Up. | 2 M.

2 M. Down. | Up. | 2 M.

12 1 25 12 23 25
12 21 25 12 22 20

12 24 20 12 22 20
24 45 28 20

46400

2000²⁰

2000³²

400

500

600

700

800

900

1000

1100

1200

1800

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

~~37~~

Dredge } No. 5231 Date, 18 - - - , 1906

Sdg. Mch. Reel Shot/Lead 20 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. none used } Cor'n { Instr. Stem. }

Bottom Reading Cor'd Temp.

Temp. Surf. { 81° Time 1:20 } Air { 82° } { 81° Time 1:32 }

Density: Surf. fms.

Wind: Direction EWE Force 5

Baromet. 30.88 Amt. of Clouds 1 State of Sea C.

Weather

Direction and Force of Current { Surface Bottom }

Tide

General Locality Laguna Seca

Position 11 - 2 - 2

Chart used: No. 4716CS Ed'n

Drift: Direction Distance 1.2

Depth of Haul

Apparatus and Rig used As before

Time towing 7 m.

Remarks: ...

Deck Officer Recorder

SOUNDING WIRE.

f. M. Down. Up. f. M.

FMS.

DREDGING CABLE.

f. M. Down. Up. f. M.

SOUNDING WIRE		FMS.	DREDGING CABLE	
f. M. Down.	Up.		f. M. Down.	Up.
1 15 00	1 17 25	0	1 18 20	1 42 00
1 15 30	1 15 40	46 400	1 22 50	1 33 00
		200 130	1 24 00	
		300 140	1 25 00	1 34 00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 377 Date, June 25, 1902

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns 40 Cor'n _____ Depth 40 fms.

Sdg. Cup T. Cup Amt. Bot'm Sample 1 lb.

Character of Bottom Co. S.;

Thermom. { Make None used Cor'n { Instr. _____ No. used Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 53 Time 7:37 } Air { 51 Time _____

Density: Surf. 1.0237 fms. _____

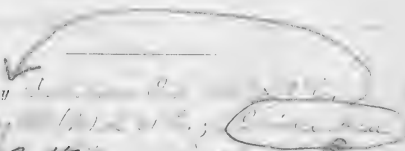
Wind: Direction N.E. Force 2

Baromet. 29.7 Amt. of Clouds 5 State of Sea _____

Weather _____

Direction and Force of Current { Surface _____ Bottom _____

Tide _____



General Locality _____

Position 3 15 N; _____ E.

Chart used: No. C.S. 4716 Ed'n _____

Drift: Direction 88 Distance 1.0

Depth of Haul _____

Apparatus and Rig used 9' Trawl

Weight _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

Q. M. Down. Up. Q. M.

Q. M. Down. Up. Q. M.

Q. M. Down.	Up.	Q. M.	FMS.
7 30.50	7 32 25		0
7 31 10	7 31 15		43 100
			110. 200
			300
			400
			500
			600
			700
			800
			900
			1000
			1100
			1200
			1300
			1400
			1500
			1600
			1700
			1800
			1900
			2000
			2100
			2200
			2300
			2400
			2500
			2600
			2700
			2800
			2900
			3000
			3100
			3200
			3300
			3400
			3500
			3600
			3700
			3800
			3900
			4000
			4100
			4200
			4300
			4400
			4500
			4600
			4700
			4800
			4900

[Faint handwritten notes and scribbles]

Dredge { No. _____ Date, _____, 19

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns 45 Cor'n _____ Depth 45 fms.

Sdg. Cup _____ Amt. Bot'm Sample 20

Character of Bottom: Co. s. m.

Thermom. { Make 1 Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 80° Time 8:10 } Air { 71°
 { 80° Time 8:40 } { 81°

Density: Surf. _____ fms. _____

Wind: Direction E. n. E. Force 2

Baromet. 95 Amt. of Clouds 0 State of Sea _____

Weather W. C. H.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position W. 25. 30

Chart used: No. _____ Ed'n _____

Drift: Direction N 70° W Distance 1.3

Depth of Haul: bottom

Apparatus and Rig used as before

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

M. Down. | Up. | M.

03 00 05 10
04 00 04 10

03 00 05 10
04 00 04 10

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1800
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

~~03 00 05 10~~ ~~04 00 04 10~~

Larval No. 4722 Date _____, 19____
Hydrog. No. _____
Sdg. Mch. Tangle Reel _____ Shot Leads _____ lbs.
Turns 21 Cor'n _____ Depth 21 fms.
Sdg. Cup Arminio Amt. Bot'm Sample 1 m.
Character of Bottom Coral sand & sh.

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading _____ Cor'd Temp. _____

√ Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction NE Force 2

Baromet. 995 Amt. of Clouds 1 State of Sea 0

Weather fog

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position 26° 1' - 133° 30'

√ Chart used: No. 4716 C.S. Ed'n _____

√ Drift: Direction _____ Distance _____

√ Depth of Haul _____

√ Apparatus and Rig used _____

√ _____ Time towing _____ h. _____ m.

Remarks:



SOUNDING WIRE.

FMS.

DREDGING CABLE.

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up. M.		M. Down.	Up. M.
10	01 00	0		
10	01 30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Handwritten notes: 10 01 30

Dredge } No. 5329 Date, 10 Oct 1906
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.
Turns 52 Cor'n _____ Depth 52 fms.
Sdg. Cup _____ Amt. Bot'm Sample / _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 81° Time 10:35 a.m. } Air { 83°
 { 81° Time 11:00 a.m. } { 81°

Density: Surf. 1.02406 fms. _____

Wind: Direction N.E. Force 2-3

Baromet. _____ Amt. of Clouds 8 State of Sea 8

Weather foggy

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position 21° 40' N 119° 30' W

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Swing net 10 ft. in diam. 250 lb.

Time towing _____ h. 30 m.

Remarks: _____

#5 Koford over side towing

Deck Officer: _____ Recorder: _____

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

10 31 55 10 32 10

10	36	10	11	10	00
21 05					
0 2 2 0 0 0					

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

21 30

Dredge } No. 111 Date, 11-22, 1911
Hydrog. }

Sdg. Mch. _____ Reel 11 Shot } lbs.
Leads }

Turns _____ Cor'n _____ Depth 19-24 fms.

Sdg. Cup _____ Int. Bot'm Sample

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading 110 _____ Cor'd Temp. _____

Temp. Surf. { 80° Time 8:14 a } Air { 81°
 { 80° Time 8:35 a } { 81°

Density: Surf. _____ fms. _____

Wind: Direction N E Force 2

Baromet. 30.1 Amt. of Clouds 7 State of Sea C

Weather bcg

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position 35° 14' N 74° 24' W

Chart used: No. 4349 Ed'n _____

Drift: Direction N 30° W Distance 4 m

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. 20 m.

Remarks: _____

Deck Officer Mr. Hazen Recorder _____

SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

FMS.

0	8	12	00	8	34	00
- 400	8					
200	8					
300	8	21	30	8	33	00
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						
4000						

35-3-65

Dredge } No. _____ Date, _____, 1908
Hydrog. }

Sdg. Mch. Hand line Reel _____ Shot/Lead 1 lbs.

Turns _____ Cor'n _____ Depth 260 fms.

Sdg. Cup _____ Amt. Bot'm Sample 1

Character of Bottom gy. M.

Thermom. { Make Lucas Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time 1:30 } Air { _____
 { 82 Time 2:15 } { _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 1

Baromet. _____ Amt. of Clouds 9 State of Sea 0

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Indian Point, N. of Cape Cod

Position 42-57-10 N 71-46-00 W

Chart used: No. 1173 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used _____

Time towing _____ h. 15 m.

Remarks: Net

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. | Up. M.

FMS.

DREDGING CABLE.

P.M. Down. | Up. | P.M.

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	Up.		P.M. Down.	Up.	P.M.
		0			
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
57	17.30	2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 4 Date, 1/1/19

Sdg. Mch. Reel Shot/Leads lbs.

Turns Cor'n Depth 24 fms.

Sdg. Cup Amt. Bot'm sample 70.5

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 50.0 Time 2:35 } Air { 52.0 } { 52.0 }

Density: Surf. fms.

Wind: Direction Various Force 1-2

Baromet. 30.1 Amt. of Clouds 9 State of Sea 2

Weather bc.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position 10 26 30 N 11 20 00 W

Chart used: No. 4 Ed'n

Drift: Direction Distance 7.0

Depth of Haul

Apparatus and Rig used 9' Tanner

Time towing h. 1/7 m.

Remarks:

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	2	22	30	2	47	40
			70 ⁷⁰ 100	2	26	35			
			85 ⁸⁵ 200	2	34	30	2	44	00
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
			2100						
			2200						
			2300						
			2400						
			2500						
55	55		2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Dredge } No. 343 Date, 36, 19

Sdg. Mch. *Hand used* Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth *4 1/2 - 5* fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom *m*

Thermom. { Make *Mackay* Cor'n { Instr. _____ No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { *81°* Time *7:45 a* } Air { *80°* }
Time _____

Density: Surf. _____ fms. _____

Wind: Direction *calm* Force _____

Baromet. _____ Amt. of Clouds *9* State of Sea *5*

Weather *bcf*

Direction and Force of Current { Surface _____ Bottom _____

Tide _____

General Locality *Atlantic Ocean*

Station 10-51-35N-119-24W

Position *10-51-35N-119-24W*

Chart used: No. *4349* Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul *bottom*

Apparatus and Rig used *6' beam trawl*

Time towing _____ h. *15* m.

Remarks:

SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

(T) M. Down. | Up. | M.

FMS.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

7:44:45 9 23 20
 7:46:20 8 01 30

51-36 + 73-15

Dredge } No. 21 Date, 1/21, 19

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth 5 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 81° Time 8:20 a } Air { 81° S1° Time 8:50 a }

Density: Surf. fms.

Wind: Direction Force

Baromet. 29.90 Amt. of Clouds 7 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. 4349 Ed'n

Drift: Direction 818 Distance

Depth of Haul

Apparatus and Rig used

Time towing h. 26 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

AM. Down. | Up. | CM.

- 9
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

8	19	50	49	45	
8	21	30	8	47	45

2-36

Dredge } No. 5345 Date, Dec 26, 1908
Hydrog. }
Sdg. Mch. hand haul Reel Shot/Lead lbs.
Turns Cor'n Depth 7 fms.
Sdg. Cup Amt. Bot'm Sample

Character of Bottom m
Thermom. { Make Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 81 Time 9:15 a } Air { 80
81 Time 9:45 a } 81

Density: Surf. fms.

Wind: Direction various Force

Baromet. 29.91 Amt. of Clouds 7 State of Sea 5

Weather bey

Direction and Force of Current { Surface Bottom

Tide

General Locality Malampaya Id, Palawan

Mallorais 2 (mid) N 33 W Centered 2d (mid) 2760

Position 10-50-00 N - 119-22-00 E

Chart used: No. 4349 Ed'n

Drift: Direction 1/4 W Distance .6

Depth of Haul bottom

Apparatus and Rig used 9' Dredge 150' cable wt.
2 wing wts. 3 glass balls, tail wt.

Time towing h. 20 m.

Remarks:

Deck Officer Mr Rohange Recorder Roberts

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. Down.	Up.	M.		<u>A.M.</u> Down.	Up.	<u>A.M.</u>	
			0	9 13 30	9	4000	
			100	9 16 00	9	3600	
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

42-10

Sphires in wine at

55

1065