

No. 9.

From D. 5431

to D. 5475

From H. 4930

to H.



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			

Dredge } No. 5431 Date, Sept 8, 1909  
Hydrog. }  
Sdg. Mch. Tanner Reel 577 Shot Lead 35 lbs.  
Turns 60 Cor'n Depth 51 fms.  
Sdg. Cup Arming Amt. Bot'm Sample mud trash  
Character of Bottom sn

Thermom. { Make ~~None used~~ Cor'n { Instr. \_\_\_\_\_  
          { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_  
Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 83 Time 2:50 P } Air { 84  
              { 83 Time 3:30 P }       { 84

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction North Force 1-2

Baromet. 29.84 Amt. of Clouds 1 State of Sea 8

Weather bcy.

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality East Coast Alaskan

Salaganem I (W) S 76 E, broad good (W) 128

Position 10-38-45 N - 120-12 45 E

Chart used: No. 4717 Ed'n \_\_\_\_\_

Drift: Direction S 46 W Distance 0.8

Depth of Haul bottom

Apparatus and Rig used 6' McCormick haul net

Time towing h. 20 m.

Remarks: \_\_\_\_\_

Deck Officer Mr. Hazard Recorder Robert

SOUNDING WIRE.

P. M. DOWN. UP. P. M.

2 48 10 2 50 00  
 2 48 40 2 48 50

FMS.

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

DREDGING CABLE.

P. M. DOWN. UP. P. M.

2 50 30 3 17 30  
 2 54 00 3 14 00

59

N 28 E

6 orandagos (2 or) N 28 E  
 4.8 m

Dredge } No. 5432 ✓ Date, APR. 8, 1909  
Hydrog. }

Sdg. Mch. Tanner Reel JN Shot } 25 lbs.  
Lead }

Turns 60 Cor'n \_\_\_\_\_ Depth 51 fms.

Sdg. Cup arming Amt. Bot'm Sample sm trace

Character of Bottom sn

Thermom. { Make non used Cor'n { Instr. \_\_\_\_\_  
No. \_\_\_\_\_ Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 83 Time 3:30 P } Air { 84  
Time \_\_\_\_\_ } \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction various Force 0-1

Baromet. 29.84 Amt. of Clouds 1 State of Sea 8

Weather bcy.

Direction and Force of Current { Surface \_\_\_\_\_  
Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality East Coast Palawan

Palangan (S) N 80 E Casundag (NW) N 30 E  
Position 10-37-50N-120-14-00 E

Chart used: No. 4717 Ed'n \_\_\_\_\_

Drift: Direction S 68 W Distance 1.3

Depth of Haul bottom

Apparatus and Rig used as before

Time towing \_\_\_\_\_ h. 20 m.

Remarks: \_\_\_\_\_

Deck Officer Mr. Hazard Recorder Roberts

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
P	M. Down.	Up.	M.		P	M. Down.	Up.	P. M.
3	24 10	3	27 00	0	3	29 00	3	51 45
3	25 45	3	25 45	100	3	32 30	3	54 00
				200	3	33 30	3	53 00
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
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				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400	6 orandagos (nm) h 30 E			
				3500				
				3600				
				3700	5.7 m			
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

60

6 orandagos (nm) h 30 E

5.7 m





SOUNDING WIRE.						FMS.	DREDGING CABLE.						
P. M. Down.			Up.	P. M.			P. M. Down.			Up.	P. M.		
✓						0	✓	11	25	✓	39	35	
✓	03	40	✓	06	30			15	00		36	50	
	✓	04	15	✓	04	20	✓	15	45	✓	36	00	
						64							
						120							
						200							
						300							
						400							
						500							
						600							
						700							
						800							
						900							
						1000							
						1100							
						1200							
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						4100							
						4200							
						4300							
						4400							
						4500							
						4600							
						4700							
						4800							
						4900							

61

Corandagos (Or Or) Or 356

6.5 m

Dredge } No. 5534 Date, Aug 8, 09, 19  
Hydrog. }

Sdg. Mch. — Reel — Shot } — lbs.  
Lead }

Turns — Cor'n — Depth — fms.

Sdg. Cup — Amt. Bot'm Sample —

Character of Bottom —

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. { 83° Time 7:10 a. } Air { 83°  
                  { 83° Time 7:31 p. }         { 83°

Density: Surf. — fms —

Wind: Direction NNE Force 1

Baromet. 29.87 Amt. of Clouds 2 State of Sea S

Weather bcw

Direction and Force of Current { Surface —  
  { Bottom —

Tide —

General Locality Long Beach

Position 33° 45' N 118° 15' W

Chart used: No. — Ed'n —

Drift: Direction — Distance —

Depth of Haul Surface

Apparatus and Rig used 5-ft Surface Net

Time towing — h. 20 m.

Remarks: No sounding taken.

Deck Officer W. Johnson Recorder A. White

## SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0	7	09	00	7	31	00
100						
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
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2000						
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2200						
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3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						



SOUNDING WIRE.

DREDGING CABLE.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	7	50	10
			100			8 12 10
			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	(4)		
			3200	<u>    </u>		
			3300			
			3400			
			3500	7 6		
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

62

*[Faint handwritten notes]*

(4)

*[Faint handwritten notes]*

7 6

Dredge } No. 5455 Date, Oct 10, 1902

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

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

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 83° Time 7:50 } Air { 83° Time \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction Various Force 0-1

Baromet. 29.87 Amt. of Clouds 2 State of Sea 2

Weather bc

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Camp H. K. B. S., Beiney J. (SW) D. 30 W.

Position 10-30 \_\_\_\_\_

Chart used: No. 4717 Ed'n 7105-03

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

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
- 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 30 00 5 40 40

*Begin*  
*(66)*  
*163*

*Stop* *2 30 00*

Dredge } No. 5436 Date, Mar 1909  
Hydrog. }

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 86 Time 7:00 } Air { 80 Time

Density: Surf. fms.

Wind: Direction SSW Force 3

Baromet. 30.1 Amt. of Clouds 9 State of Sea 8

Weather haul

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position 37 9 1

Chart used: No. Ed'n

Drift: Direction 345 Distance 0.2

Depth of Haul Intermediate surf.

Apparatus and Rig used 1' ...

Time towing h. 1 m.

Remarks:

Deck Officer Recorder



SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

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

- 387 m
- 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 | 0.3 | 0.0 | 7 | 18 | 60

67

*Handwritten notes, possibly "Sounding wire 33"*

11. 11. 11.  
5. 7 m

Dredge } No. 317 Date, \_\_\_\_\_, 19

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. { Time / \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force \_\_\_\_\_

Baromet. = 29.85 Amt. of Clouds \_\_\_\_\_ State of Sea \_\_\_\_\_

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_ 5 \_\_\_\_\_

Chart used: No. 4210 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

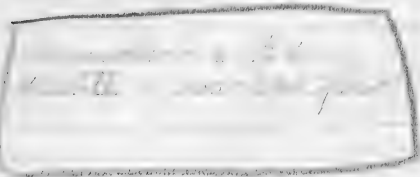
Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

100 fms. depth, top of the water (100 fms.)

Time towing \_\_\_\_\_ h. 36 m.

Remarks: \_\_\_\_\_



Deck Officer \_\_\_\_\_

Recorder \_\_\_\_\_

SOUNDING WIRE.

DREDGING CABLE.

FMS.

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

609

*See next page*

*4.9.00*



SOUNDING WIRE.

DREDGING CABLE.

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	11	44	35	12	55	30
			100		1	15		52	30
			200		51	30		49	30
			300		54	50		46	30
			400		57	35		43	30
			500	12	00	30		40	15
			600		03	30		37	10
			700	12	06	30	12	33	50
			800						
			900				27	m	20 sec
			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 scribbles]*

Dredge No. 542 Date, Feb 5, 1909

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

Turns 29 Cor'n Depth 297 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make 53 No. 108015 Cor'n { Instr. Stem.

Bottom Reading 47° Cor'd Temp. 46.2

Temp. Surf. { 57° Time 4 Air { 57

Density: Surf. fms.

Wind: Direction Variable Force 1-2

Baromet. Amt. of Clouds 6 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Tampa St. N 1/4 W - Channel

Position 15-5-42 T. 110-44-42 W.

Chart used: No. 4210 Ed'n

Drift: Direction SSE Distance 1.2

Depth of Haul Bottom

Apparatus and Rig used 17 S

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.				
M. Down.	Up.	M.			M. Down.	Up.	M.		
2	47	25	3	57	0	4	02	00	0
	48	25		58	100				
	49	20		59	200				
3	50	20	3	57	300				
				40	400				
					500				
					600				
					700				
					800				
					900				
					1000				
					1100				
					1200				
					1300				
					1400				
					1500				
					1600				
					1700				
					1800				
					1900				
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					2100				
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					2700				
					2800				
					2900				
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					3600				
					3700				
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					3900				
					4000				
					4100				
					4200				
					4300				
					4400				
					4500				
					4600				
					4700				
					4800				
					4900				

70

NSY

2 3 1 8  
2, 5 200





SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
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2700  
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2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

07	20			
12	10			
13	00			
15	30			
18	00			
20	00			
23	40			
26	15			
28	50			
32	15			
34	00			
35	00			
36	00			
37	00			
38	00			
10	44	20		
10	48	10	11	00
				05

172

12-10-100



SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
1 00 20	1 00 40		0	1 42 00	2 40 00	
1 34 45	1 37 05		100	1 50 05	2 26 25	
1 00 00	1 32 00		<del>200</del>	1 55 00	2 15 00	
			300	2 00 35	2 20 10	
			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			
			4000			

76

2 10 00

2 31 00



SOUNDING WIRE.				FMS.	DREDGING CABLE.					
P. M. Down.	Up.	P. M.	P. M. Down.		Up.	P. M.				
3	18	35	3	23	05	0	3	29	45	
3	19	40	3	20	10	100	3	29	30	
3	20	20	3	21	20	186	3	29	20	
						300	3	29	20	
						325-400	3	29	50	
						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				

177

3400

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 1906  
Hydrog. }  
Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 45 fms.  
Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom C.

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

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 85° Time 7: }  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction East Force 5-1

Baromet. 27.86 Amt. of Clouds 10 State of Sea 5

Weather 1269

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_

Chart used: No. 4209 Ed'n. \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance 15.5

Depth of Haul \_\_\_\_\_

Apparatus and Rig used 175 Vapour

Time towing / \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

Deck Officer Mr. DeLong Recorder \_\_\_\_\_

SOUNDING WIRE.

M. Down. | Up. | M.

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

6 30 00  
6  
6 30 00

7

6 30 00  
6 30 00

Dredge } No. 5742 Date, June 3, 1909  
Hydrog. }  
Sdg. Mch. Lucas Reel L Shot/Lead 35 lbs.  
Turns 24 Cor'n - Depth 241 fms.  
Sdg. Cup Sigsbee Amt. Bot'm Sample 100

Character of Bottom ss S.S.S.  
Thermom. { Make T.B. Cor'n { Instr. 16-7  
          { No. 108015            { Stem.

Bottom Reading 52 Cor'd Temp. 51.3  
Temp. Surf. { 82° Time 9:15 Air { 82°  
              { 83° Time 19:45        { 82°

Density: Surf. - - - fms. -  
Wind: Direction E.N.E. Force 3  
Baromet. 29.8 Amt. of Clouds 0 State of Sea 0  
Weather bc.

Direction and Force of Current { Surface -  
  { Bottom -  
Tide -

General Locality  
Position  
Chart used: No. Ed'n  
Drift: Direction Distance

Depth of Haul Bottom  
Apparatus and Rig used  
Time towing 20 1/2 m.

Remarks:

Deck Officer Recorder



SOUNDING WIRE.

a. M. Down. | Up. a. M.

FMS.

DREDGING CABLE.

a. M. Down. | Up. a. M.

8	47	00	8	52	00	0
	48	15		53	15	100
	49	30		54	30	200
8	50	00	8	51	20 24	300

8	55	30	9	10	00
9	02	30		11	00
	05	30		12	00
	08	15		13	00
	11	30		37	20

440 500

9	12	50		34	00
	17	50		35	00

500 600

550 700

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

89

44 mi



SOUNDING WIRE.

a. M. Down. | Up. a. M.

9 50 25 00 1 00  
 1 55 25 10 00 00  
 56 20 59 00  
 57 10 56 30  
 9 57 29 56 15 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

90

DREDGING CABLE.

a. M. Down. | Up. a. M.

10 6 30 11 00 00  
 10 45 10 00  
 15 15 11 00  
 19 00 11 00  
 22 50 11 00  
 27 15 11 00  
 10 29 00  
 10 31 30 10 40 30

6.4

Dredge No. 711 Date, June 1, 1907

Sdg. Mch. Lucas Reel 1 Shot/Lead 35 lbs.

Turns 383 Cor'n - Depth 383 fms.

Sdg. Cup Lucas Amt. Bot'm Sample 0.2

Character of Bottom gy. m. s.

Thermom. { Make T.B. Cor'n { Instr. 6-7  
No. 108015 Stem. -

Bottom Reading 75 Cor'd Temp. 11.3

Temp. Surf. { 60 Time 5:15 } .1ir  
Time 5:15

Density: Surf. 1.025 fms. 100

Wind: Direction East Force 3-4

Baromet. 29.5 Amt. of Clouds 8 State of Sea C

Weather bc

Direction and Force of Current { Surface -  
Bottom -

Tide -

General Locality off Cape Cod

Position 41° 15' N, 71° 15' W

Chart used: No. 4449 Ed'n -

Drift: Direction 330 Distance 1.0

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 37 m.

Remarks: Bottom mud

Deck Officer W. J. ... Recorder ...  
W. J. ... ...  
11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

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

M. Down. | Up. | M.

11 41 00 | 29 35  
 21 00 | 29 50  
 22 25 | 27 05  
 23 35 | 24 20  
 11 24 00 | 25 00

11 50 00 | 29 35  
 20 00 | 29 50  
 21 00 | 27 05  
 22 00 | 24 20  
 23 00 | 25 00

100  
 200  
 300  
 400  
 500  
 600  
 650  
 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

PM 58 05 | 39 50  
 12 00 | 15 12 | 37 00

91

2 00 H  
 103



SOUNDING WIRE.

DREDGING CABLE.

SOUNDING WIRE.				FMS.	DREDGING CABLE.								
M. Down.	Up.	P. M.			M. Down.	Up.	P. M.						
1	21	40	1	29	05	0	1	34	30	2	45	00	
	22	30		28	00	100							
	23	45		27	05	200							
1	24	40	1	25	40	300							
						400							
						500			16	30		29	50
						550	600						
						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							

92

3100  
6100

Dredge } No. 2557 Date, 11/11/19

Sdg. Mch. Reel Shot/Lead lbs.

Turns 310 Cor'n Depth 310 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Type Cor'n { Instr. 7 Stem.

Bottom Reading 450 Cor'd Temp.

Temp. Surf. { 85.0 Time 67.52 } Air { 63.0

Density: Surf. fms.

Wind: Direction E Force 2-3

Baromet. Amt. of Clouds 9 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n.

Drift: Direction N 64 E Distance

Depth of Haul bottom

Apparatus and Rig used 12'

Floats, 2 using ...

Time towing h. 1 m.

Remarks:

Deck Officer Recorder



SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.		Up.	M.		FMS.	M. Down.		Up.	M.	
5						0	5			
5	35 00	5	39 05		100	5	55 50	6		
5	35 45	5	38 30		200	6	00 00	6		
5	36 40	5	37 50		300	6	04 35	6	42	10
5	36 45	5	37 45	310	400	6	08 00	6		
					500	6	11 25	6	36	30
					550	6	13 40	6	30	00
					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					
					5000					

3, 5 m

93

Dredge } No. 5041 Date, \_\_\_\_\_, 1901  
Hydrog. }

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot }  
Lead } lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 47 fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
by chart.

Character of Bottom \_\_\_\_\_

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

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { \_\_\_\_\_ Time 9:00 } Air { 86°  
                  { \_\_\_\_\_ Time 9:15 }       { 86°

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction Variable Force 1

Baromet. 30.0 Amt. of Clouds - State of Sea S

Weather B

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position 10° 15' N 150° 10' W

Chart used: No. 473 Ed'n 1, 5/1/01

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul Bottom

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: No sounding taken.

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.

FMS.

DREDGING CABLE.

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up. M.		A.M. Down.	Up. A.M.
		0	7 43 35	9 18 20
		100	7 43 30	9 15 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		

95

21 2 30

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_\_\_  
Hydrog. }  
Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot Leads \_\_\_\_\_ lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 00 fms.  
Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample 20  
Character of Bottom \_\_\_\_\_

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

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { Time \_\_\_\_\_ } Air { 5  
                  {                 }       {

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force \_\_\_\_\_

Baromet. 29.67 Amt. of Clouds 1 State of Sea 1

Weather Bc

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Lagoon Gulf Coast Luzon

Position 12° 15' N 125° 00' E

Chart used: No. 4271 Ed'n \_\_\_\_\_

Drift: Direction N Distance 1.0

Depth of Haul 70

Apparatus and Rig used No. 7-4022

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100	7	10	15
			200	11	13	20
			300	15	17	25
			400	19	21	30
			500	23	25	35
			600	27	28	40
			700	31	31	45
			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			
			5000			

97

Chart 10

7.9 m

Dredge } No. 5 Date, \_\_\_\_\_, 19\_\_

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 408 fms.

Sdg. Cup Lucas Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. 7  
                  { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. 2.3

Temp. Surf. { Time \_\_\_\_\_ } Air { \_\_\_\_\_  
                  { Time 11 }                    { 6/

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction SE Force \_\_\_\_\_

Baromet. 29.79 Amt. of Clouds \_\_\_\_\_ State of Sea \_\_\_\_\_

Weather b.c.s.

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position 12° 5' N. 124° 0' W.

Chart used: No. 1721 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance 1

Depth of Haul 1200

Apparatus and Rig used Lucas

Time towing \_\_\_\_\_ h. 25 m.

Remarks:

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	P. M.		P.	M.	Down.	Up.
3	15	0	50	0	26	15	4	
3	16	0	50	100	27	15	4	44
3	17	0	50	200	33	10	4	41
3	17	55	50	300	35	5	4	38
	18	4	10	400	39	00	4	34 40
	18	5	50	500				31
				600				28
				700				26
				800				21
				850	3			20
				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				

98

236  
9.2 m

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 380 fms. by chart.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

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

Bottom Reading: \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 84° Time 7:35 AM } Air { 79° }  
{ 84° Time 8:00 AM } { 85° }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction Variable Force 2

Baromet. 24.88 Amt. of Clouds 4 State of Sea 8

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_

Chart used: No. 4221 Ed'n \_\_\_\_\_

Drift: Direction S 61 E Distance 1/2

Depth of Haul 280.

Apparatus and Rig used 10' Inter, double c

Time towing \_\_\_\_\_ h. 2 m.

Remarks: No counting



SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

FMS.

M. Down. | Up. | M.

0	7	21	15	8	07	05
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						

99

13

Handwritten notes in the dredging cable columns, including "K. 2. 0" and "P. 2. 0".



SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	8	42	10	9	11	30
			100	8	48	05	9	08	40
			200	8	51	00	9	05	20
			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 scribble*

*Handwritten scribble*

*Handwritten scribble*

*Handwritten scribble*



SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

FMS.

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  
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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

9	29	00	10	13	45
	32	50	10	10	45
	38	00	00	00	00
	40	50			
	44	50			

85

2800  
2900  
3000  
3100



SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

FMS.

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

0

100

200

300

350 400

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

06

57/2000





SOUNDING WIRE.

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

FMS.

DREDGING CABLE.

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

0	11	40	30	12	22	20
100		45	05	12	19	15
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						

67

Sample at

1112

2700

Dredge } No. 1 Date, 7, 19  
Hydrog. }  
Sdg. Mch. Reel Shot/Lead lbs.  
Turns Cor'n Depth 142 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 {  
86° Time 1:15 89°

Density: Surf. fms.

Wind: Direction East Force 1-2

Baromet. Amt. of Clouds State of Sea

Weather bc

Direction and Force of Current. { Surface Bottom

Tide

General Locality

Position 13° 11' 10" N, 123° 51' 52" E

Chart used: No. 4221 CS Ed'n

Drift: Direction 21. E Distance 1.5

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	12	50	30
			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 scribbles*

*Handwritten scribbles*



SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	26	51	20
			100	20	50	08 30
			200	23	10	05 30
			300	27	40	03 30
			<del>400</del>	28	30	10 00
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
S. WIRE.	09		2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300	5.	118	
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 1458 Date, June 8, 1907

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 200 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 2:00 P.M. } Air { 87° }  
Time 2:40 P.M. }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force 7

Baromet. \_\_\_\_\_ Amt. of Clouds 9 State of Sea 8

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_

Chart used: No. 1121 Ed'n \_\_\_\_\_

Drift: Direction S 6 E Distance 1.5

Depth of Haul 150 fms.

Apparatus and Rig used As before 750# wire

Time towing \_\_\_\_\_ h. 23 m.

Remarks \_\_\_\_\_

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

*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

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 25 2 20 100*  
*1 52 50 2 30 2*  
*1 56 6 2 2 1*  
*2 00 25 2 3 1*  
*2 01 25 2 2 1*

~~Handwritten scribbles~~

*//*

*Handwritten notes*  
*1/2 2000*





SOUNDING WIRE.

DREDGING CABLE.

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		P. M. Down.	Up.	P. M.			
			0	3	23	3	4	14	50
			100		27	55	4	11	25
			200		32	10	4		
			300		37	15	4	04	55
			400	3	41	00	4		
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1800						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
			3100						
			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						

N. 58° E

1 2

*[Faint handwritten text]*

*[Faint handwritten text]*

24 3

Dredge } No. 127  
Hydrog. } Date, Jan 21, 1902

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot & Lead 7 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.

Sdg. Cup Sigbee Amt. Bot'm Sample about 1 lb. of

Character of Bottom gy. M.

Thermom. { Make N. G. Cor'n { Instr. \_\_\_\_\_  
                  { No. 108015                    { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 85° Time 8:30 } Air { 85°  
                  { 85° Time 9:40 }            { 86°

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction Variable Force 1

Baromet. 30.2 Amt. of Clouds 1 State of Sea 6

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality 7.24

Position 2. 18. 16

Chart used: No. 4222 Ed'n \_\_\_\_\_

Drift: Direction N. 43. 04 Distance 2.0 mi.

Depth of Haul bottom

Apparatus and Rig used 12'

Time towing h. 14 m.

Remarks: School of fish started to

Deck Officer Mr. J. Recorder \_\_\_\_\_

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
8 31 60	8 42 05		0	8 47 15	10 12	
8 32 45	8 41 15		100	8 51 10	10 12	870
8 33 35	8 40 30		200	8 55 00	10 09	
			300			
8 35 16	8 39 05		400	9 00 15	10 01	80
8 36 30			500			
			600			
			700			
			800	9 11 40	9 48 00	
			900	9 14 30	9 44 30	
			1000	9 17 35	9 41 20	
			1100	9 20 35	9 38 00	
			1150 1200	9 22 10	9 36 10	
			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			

177

*Report of...* *Jan 18...* *R. S. ...*



SOUNDING WIRE.

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

FMS.

DREDGING CABLE.

10 M. Down. | Up. 00 M.

0  
60-100  
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 07 25 8 29 20  
7 16 05 9 26 50

~~29~~  
31

*Sample (10)*

11:15 AM  
4:09 PM

✓

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_\_\_  
Hydrog. }  
Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot } \_\_\_\_\_ lbs.  
Lead }  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.  
Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom \_\_\_\_\_

Thermom. { Make M7 \_\_\_\_\_ Cor'n { Instr. 7  
              { No. 108018 \_\_\_\_\_                 { Stem. \_\_\_\_\_  
Bottom Reading 400 \_\_\_\_\_ Cor'd Temp. 41.3

Temp. Surf. { \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_ }  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }                 { \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction Various Force 0-1

Baromet. 29.90 Amt. of Clouds 10 State of Sea S

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality N. 42° E  
2 1/2 m

Position 42° 30'

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction S Distance 1/2

Depth of Haul \_\_\_\_\_

Apparatus and Rig used 25' Agassiz trawl, 2  
5' ...

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	A.M.		M. Down.	Up.	M.
5 45 00	5 56 10		0			
46 00			100			
47 00			200	ON	32	
47 45			300			
48 00			400			
5 49 40	5 50 40	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			

34

5 22

Dredge } No. 17 Date, , 19

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 300 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 85 Time 10.45 Air { 84

Density: Surf. fms.

Wind: Direction Variable Force 2

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position 7 12 45

Chart used: No. 4222 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing 17 m.

Remarks: No Soundings

Deck Officer Recorder



SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

M. Down. | Up. | M.

FMS.	M. Down.	Up.	M.	M. Down.	Up.	M.
0	10	05	55	11	03	30
100		09	00	11	00	30
200		13	20		57	30
300		16	35		54	30
400		19	50		51	15
500		24	50		48	00
600	10	28	15	10	44	40
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						

36

S. 23/24

*[Faint handwritten notes and scribbles]*

Dredge } No. S. I. I Date, \_\_\_\_\_, 1907

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 1100 fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample Cha

Character of Bottom \_\_\_\_\_ Thermom. { Make \_\_\_\_\_ No. \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_ Stem \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 85° Time 1:00 PM } Air { 82° Time 3:00 PM }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force 1-2

Baromet. \_\_\_\_\_ Amt. of Clouds 8 State of Sea S

Weather H.C.

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position 37° N 57° W

Chart used: No. 4222 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance 0.2

Depth of Haul 100

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer [Signature] Recorder \_\_\_\_\_

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

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

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up.		P. M. Down.	Up. M.
		0		
		100	42 45	55 40
		200	46 40	52 45
		300	51 50	49 35
		400	55 40	46 20
		500	58 50	42 50
		600	2 01 40	38 35
		700	04 30	34 50
		800	07 25	30 30
		900	2 10 20	
		1000	2 12 50	
		1100	2 15 10	
		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		

37

*Handwritten notes:* 1100 (11:00) 1200 (12:00)



SOUNDING WIRE.

M. Downs. | Up. | M.

FMS.

DREDGING CABLE.

M. Downs. | Up. | M.

0	8 09 00	9 32 00
100	8 13 00	9 25 30
200	8 17 20	9 25 15
300	8 21 40	9 21 30
400	8 25 10	9 18 10
500	8 28 10	9 14 30
600	8 30 45	9 11 00
700	8 33 30	9 07 10
800	8 36 40	9 03 15
<del>850</del> 900	8 39 20	8 59 40
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		
2500		
2600		
2700		
2800	(E)	
2900		
3000	7. 2. 2002	
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
4400		
4500		
4600		
4700		
4800		
4900		

11

Dredge } No. 5466 Date, June 17, 1909

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

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

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 85° Time 10:15 } Air { 84 1/2° }  
                  { 86° Time 11:10 }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force \_\_\_\_\_

Baromet. 29.8 Amt. of Clouds 7 State of Sea \_\_\_\_\_

Weather bc

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position 17° 35' 30" N 123° 45' 45" W

Chart used: No. 4222 C.S. Ed'n \_\_\_\_\_

Drift: Direction S 63° E Distance 1.6 miles

Depth of Haul Bottom

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.

FMS.

DREDGING CABLE.

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up.		M. Down.	Up.
		0	10 27 30	11 27 30
		100	10 15 25	11 26 20
		200	10 15 25	11 25 15
		300	10 22 30	11 20 15
		400	10 25 30	11 17 00
		500	10 27 30	11 13 30
		600	10 32 20	11 10 25
		700	10 35 20	11 07 15
		800	10 38 25	11 04 15
		900	10 40 20	11 02 20
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000	(10) 10 40 20	11 02 20
		3100		
		3200		7. 7 1000
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

42

(10) 10 40 20  
7. 7 1000





SOUNDING WIRE.

M. Down.	Up.	M.
----------	-----	----

DREDGING CABLE.

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

Handwritten notes for Dredging Cable:

- 0 - 1.5
- 100 - 3.5
- 200 - 5.5
- 300 - 7.5
- 400 - 9.5
- 500 - 11.5
- 600 - 13.5
- 700 - 15.5
- 800 - 17.5
- 900 - 19.5
- 1000 - 21.5

48

Handwritten notes at the bottom of the page:

- 3100 - 24.5
- 3200 - 26.5
- 3300 - 28.5
- 3400 - 30.5
- 3500 - 32.5

Dredge } No. 1118 Date, 1901, 19

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Int. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 85 Time 1:17 } Air { 85 Time 1:21 }

Density: Surf. fms.

Wind: Direction 111 Force 3

Baromet. Amt. of Clouds 9 State of Sea 5

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Laguna vi (Pt. S. E. Atulanda Is. W) S 8 E

Position

Chart used: No. Ed'n

Drift: Direction 73 Distance

Depth of Haul

Apparatus and Rig used

Time towing 33 m.

Remarks: No current

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0	0	27	00	1	00	00
100		30	55	11	00	00
200		34	15		57	50
300		37	30		54	40
400						
500						
600						
700						
800						
900						
1000	7	57	55	10	30	00
1100						
1200						
1300						
1400						
1500						
1600						
1700						
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1900						
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2900						
3000						
3100						
3200						
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3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

49

*[Handwritten notes and scribbles]*



SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		P. M. Down.	Up.	P. M.
			0	12 58 15	2 42 20	
			100	1 02 10	39 00	
			200	05 30	38 00	
			300	08 50	32 45	
			400	1 35	27 45	
			500	14 15	26 25	
			600	16 50	23 20	
			700	19 35	20 05	
			800	22 25	16 45	
			900	26 25	13 40	
			1000	1 29 25	2 10 00	
			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			

50

*Handwritten notes:* 3100 1 29 25

*Handwritten notes:* 1 29 25



SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

FMS.

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

0	2   3-3   45-	✓	35	05
100	2   5-7   25-		31	25
200	3   01   00		28	
300	04   20		25	00
400	00   00		21	
500	40		18	30
600	2   25-		12	15
700	20		11	50
800	10		08	10
900	70		04	55
1000	00	4	00	30
1100				
1200				
1300				
1400				
1500				
1600				
1700				
1800				
1900				
2000				
2100				
2200				
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2900				
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4000				
4100				
4200				
4300				
4400				
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4600				
4700				
4800				
4900				

51

(1) 2 1/2 ...

Dredge } No. 201 Date, \_\_\_\_\_, 1909

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.

Sdg. Cup \_\_\_\_\_ Int. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

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

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 81.0 Time \_\_\_\_\_ } Air { 81.0  
                  { \_\_\_\_\_ Time 9:57 } \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction S.W. Force 3

Baromet. 29.8 Amt. of Clouds 10. State of Sea S.

Weather 0.0

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position 12° 34' 7" N 123° 14' 16" E

Chart used: No. 1172 Ed'n \_\_\_\_\_

Drift: Direction 50° E Distance 2.1

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_  
No. used \_\_\_\_\_

Time towing \_\_\_\_\_ h. 78 m.

Remarks: No Soundings

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_



SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	8	49	10	10	18	00
			100		120				
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
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			3100						
			3200						
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			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

53

(18 71 6)

15 200

Dredge } No. 1111 Date, 1901, 19  
Hauling }  
Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot } \_\_\_\_\_ lbs.  
Lead }  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 550 fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_ Cor'n { Steel \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 85° Time 11:00 AM, } 83°  
                  { 85° Time 11:21 AM } Air { 81°

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force \_\_\_\_\_

Baromet. 29.86 Amt. of Clouds 10 State of Sea \_\_\_\_\_

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position 33° 36' N.; 123° 49' 00" E

Chart used: No. 4222 Ed'n \_\_\_\_\_

Drift: Direction S 62 E. Distance 1.5 miles

Depth of Haul \_\_\_\_\_

Apparatus and Rig used As before

Time towing \_\_\_\_\_ h. 25 m.

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

FMS.

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

0	10	35	
100		31	
200		27	
300		23	
400		19	
500		15	
600		11	
700	11	7	
800		3	
900			
1000			
1100	11	11	32.05
1200			
1300			
1400			
1500			
1600			
1700			
1800			
1900			
2000			
2100			
2200			
2300			
2400			
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2900			
3000			
3100			
3200			
3300			
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3600			
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3800			
3900			
4000			
4100			
4200			
4300			
4400			
4500			
4600			
4700			
4800			
4900			

54

Shunt off

32.13.15

13.6.00

Dredge } No. 4221 C.S. Date, \_\_\_\_\_, 19\_\_

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

Thermom. { Make *Vogelz.* No. *108015* Cor'n { Instr. *-7* Stem. \_\_\_\_\_

Bottom Reading *41°* Cor'd Temp. *40.3*

Temp. Surf. { *86°* Time *2:15* } Air { *83* }  
{ *85°* Time *3:15* }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *Variable* Force \_\_\_\_\_

Baromet. *29.50* Amt. of Clouds *9* State of Sea *2*

Weather *bca*

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position *1:15 N. 1:40 W.*

Chart used: No. *4221 C.S.* Ed'n \_\_\_\_\_

Drift: Direction *41°* Distance *1.2*

Depth of Haul *bottom*

Apparatus and Rig used *gossing, 1/2 tail, 2nd flouts*

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.		Up.		M.			M. Down.		Up.		M.	
1	59	10	2	10	00	0	2	14	20	3	55	00
2	00	15		09	15	100		18	00		51	30
	01	10		08	35	200		21	00		48	40
						300						
	03	10		07	00	400		27	10		31	45
	04	10		06	15	500		29	55		28	40
2	04	40	2	05	40	575-600		32	30		25	40
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
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						4200						
						4300						
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						4500						
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						4700						
						4800						
						4900						

55

1.2 (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)

Dredge } No. 12 Date, July 25, 1905  
Hydrog. }  
Sdg. Mch. T. N. Reel T. N. Shot 25 lbs.  
Turns 124 Cor'n 124 Depth 124 fms.  
Sdg. Cup 124 Amt. Bot'm Sample 124  
Character of Bottom 124

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

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 82° Time 7:30 A. } Air { 82°  
82° Time 7:52 A. } 82°

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction NE Force 2

Baromet. 29.66 Amt. of Clouds 9 State of Sea C

Weather bc.

Direction and Force of Current { Surface \_\_\_\_\_  
Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality T. N. Ocean

Chart used: No. 4220 Ed'n \_\_\_\_\_

Position 12° 53' 48" N. 124° 18' 05" E

Drift: Direction 58° W Distance 0.8

Depth of Haul Bottom

Apparatus and Rig used as before

Time towing \_\_\_\_\_ h. 16 m.

Remarks:

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

M. Down. | Up. | M.

7 10 10 10  
 7 20 19 40  
 7 35 17 55

7 10 10 10  
 7 20 19 40  
 7 35 17 55

- 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

61

5600

*[Faint handwritten notes]*

*[Faint handwritten notes]*

*[Faint handwritten notes]*





SOUNDING WIRE.

17 M. DOWN. UP. 17 M.

8 48 . 53 20  
 49 45 52 40  
 8 50 35 8 51 35

FMS.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1800  
1400  
1500  
1600  
1700  
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3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

62

S 27 M.

DREDGING CABLE.

17 M. DOWN. UP. 17 M.

8 59 35 9 45 10  
 9 01 05 42 00  
 06 05 38 50  
 10 40 35 40  
 9 15 10 9 31 55

S Bernhardt S 27 M

11 m

13-11-10 / 123-51-57(2)

Sgt Pt S 76 W

Sarge Pt S 55 E.

505146

ms

$$\begin{array}{r} 32-80 \\ 12-50 \\ \hline 20-30 \end{array}$$

$$\begin{array}{r} 63-65 \\ 48-50 \\ \hline 15-15 \end{array}$$

$$\begin{array}{r} 33-50 \\ 6-10 \\ \hline 27-20 \end{array}$$

$$\begin{array}{r} 34-100 \\ 28-50 \\ \hline 6-50 \end{array}$$

$$\begin{array}{r} 3-25 \\ 20-50 \\ \hline 32-15 \end{array}$$

$$\begin{array}{r} 10-108-50 \\ 9-52-25 \\ \hline 12-25 \\ \hline 51 \quad | \quad 17 \\ \quad \quad \quad | \quad 3 \end{array}$$