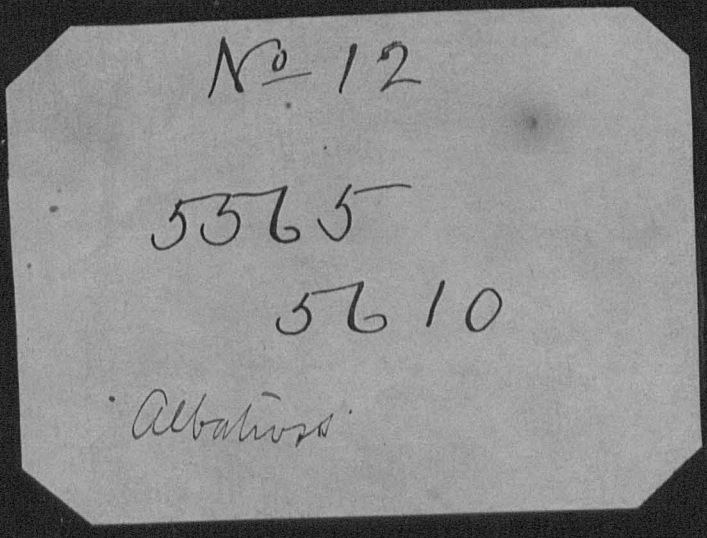
No 12
5565
5610
Albatross

HAND
del.

Last N. No. 4933.

Dredge ~~Hydrog.~~ No. 5565 Date, Sep. 21, 1909

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

Turns 243 Cor'n — Depth 243 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Smt. amt.

Character of Bottom S ptr Sh

Thermom. Make N.B. No. 108015. Cor'n Instr. -.7 Stem.

Bottom Reading 53° Cor'd Temp. 52.3

Temp. Surf. 84° Time 1:00 p. 84° Time 1:22 p. Air 86° 86°

Density: Surf. fms.

Wind: Direction E by N - SE Force 2 - 3

Baromet. 29.86 Amt. of Clouds 7 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality North of Tawi Tawi

Damme I (N) S 69° W - Basbas I (mid)

Position 5°51'42" N - 120°30'30" E

Chart used: No. 4722 Ed'n —

Drift: Direction N 45° E Distance 0.7 m.

Depth of Haul Bottom

Apparatus and Rig used 9' Tanner; 3 glass flts; 2 wing wts.; 1 tail wt; mudbag.

Time towing — h. 21 m.

Remarks:

Deck Officer Mr. Hazard Recorder Finkit

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M.	Down.		Up.	P.M.			P.M.	Down.		Up.	P.M.	
12	30	00	12	35	35	0	12	41	20	1	26	10
	30	55		34	40	100		45	00		33	00
	31	53		32	50	200		48	40		30	00
12	37	20	12	33	20	2 4/3 300		53	10		27	05
						400		56	10		24	05
						500	1	00	20	1	21	05
						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						

130

N 4° W

Dammi d (n) 869 n

6.

Dredge / Hydrog. No. 5566 Date, Sep. 21, 1909

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

Turns 244 Cor'n - Depth 244 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Sml. amt.

Character of Bottom for S. St.

Thermom. Make N.B. No. 108015. Cor'n Instr. -.7 Stem.

Bottom Reading 53.2° Cor'd Temp. 52.5

Temp. Surf. 84° Time 2:00p. 84° Time 2:35p Air 84° 84.5°

Density: Surf. fms.

Wind: Direction SE Force 3

Baromet. 29.82 Amt. of Clouds 7 State of Sea S

Weather Hzy

Direction and Force of Current. Surface Bottom

Tide

General Locality North of Tawi Tawi

Dammc I (N) S 67° W - Basbas I (mtd)

Position 5°52'12" N - 120°31'00" E

Chart used: No. 4722 Ed'n -

Drift: Direction N 56° E Distance 1.6 m.

Depth of Haul Botom.

Apparatus and Rig used As before, minus mud bag

Time towing - h. 27 m.

Remarks:

Deck Officer Mr. Hazard Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M. Down.		Up.	P	M.		P	M. Down.		Up.	P	M.
1	40	00	1	45	30	0	1	48	00	2	49	30
	41	00		44	30	100		51	50		46	20
	41	50		43	40	200		53	40		43	20
1	42	10	1	43	10	244 300		57	20		40	25
						400	2	02	50		37	35
						500	2	06	50	2	34	15
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
N 7° W.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
Dammi d						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

137

Dammi d (N) S 67 W
6.8

Dredge ~~Hydrog.~~ No. 5567 Date, Sep 21, 1909.

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

Turns 268 Cor'n — Depth 268 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom fine S

Thermom. Make N.B. No. 108015. Cor'n Instr. -.7 Stem.

Bottom Reading 52.7° Cor'd Temp. 52.0

Temp. Surf. 83° Time 4:00 p. 83° Time 4:27 p. Air 85.5° 84°

Density: Surf. fms.

Wind: Direction SE Force 2-3

Baromet. 29.82 Amt. of Clouds 5 State of Sea S

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide

General Locality North of Tawi Tawi

Damme I (N) N 81° W - Dasaan Id.

Position 5° 48' 00" N - 120° 33' 45" E.

Chart used: No. 4722. Ed'n —

Drift: Direction N 71° E Distance 1.2 m.

Depth of Haul Bottom

Apparatus and Rig used As before, plus mud bag.

Time towing — h. 21½ m.

Remarks:

Deck Officer Mr. Hazard Recorder Arnkil

Mr. Rohange. C.E. DeLong.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.		M.		M. Down.			Up.		M.
3	33	00	3	38	55	0	3	43	45	4	43	55
	33	55		38	05	100		47	50		40	30
	34	50		37	20	200		51	20		37	25
3	35	35	3	36	35	268 300		54	40		34	15
						400		59	10		31	10
						500	4	02	35		28	00
						550 ~~600~~	4	04	30	4	26	00
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
(S) S 62° W.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
Damm I						3200	(N) N 81 W					
						3300						
						3400		9.				
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

138

Dredge / Hydrog. No. 5568 Date, Sept 21 & 22, 1909

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

Turns _____ Cor'n _____ Depth 12½ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom S, Co

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. 83° Time 6:45 / 82° Time 6:00 Air 82° / 82°

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0 to 3

Baromet. 29.86-29.92 Amt. of Clouds 1 to 7 State of Sea S

Weather bezivl

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

General Locality Singaan Id (N) West; Singaan Id (S) S 27 W; N. of Tawi Tawi

Position 5°45'50" N; 120°26'00" E

Chart used: No. 4722 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul surface

Apparatus and Rig used 9' Intermediate over side at surface while at anchor

Time towing 11 h. 20 m.

Remarks:

Ship at anchor

Deck Officer _____ Recorder C. E. DeLong

11—1023

SOUNDING WIRE. ___ M. Down.	SOUNDING WIRE. Up. ___ M.	FMS.	DREDGING CABLE. P M. Down.	DREDGING CABLE. Up. A M.
		0	Sept 21	Sept 22
		100		
		200	Out	In
		300		
		400	6 35 00	5 55 00
		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	(N) West	
		3100		
		3200	.9 m	
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

1309

Singapore

Dredge / ~~Hydrog.~~ No. 5564 Date, Sept 22, 1909

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

Turns — Cor'n — Depth 303 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom C. S.

Thermom. Make N. Z. No. 108015 Cor'n Instr. -.7 Stem. —

Bottom Reading 53 Cor'd Temp. 52.3

Temp. Surf. 83 Time 8:50 A 83 Time 9:00 A Air 84 84

Density: Surf. — — fms. —

Wind: Direction N.E. Force 2

Baromet. 29.95 Amt. of Clouds 6 State of Sea S

Weather hcy

Direction and Force of Current. Surface — Bottom —

Tide —

General Locality North of Tawi Tawi Id.

Simaluc Id (E) S. 8 W. Cacataan Id

Position Lat. 5° 33' 15" Long. 120° 15' 30"

Chart used: No. 4722 Ed'n —

Drift: Direction S. 73 E. Distance 1.0

Depth of Haul Bottom.

Apparatus and Rig used 9' Tanner trawl, 3 glass floats, 2 wing weights, 1 tail weight and mud bag.

Time towing h. 9 45 m.

Remarks: Next tow

Deck Officer Mr. Hazard Recorder Hurlbut

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up.	A. M.			A. M. Down.			Up.	A. M.	
8	16	00	8	22	20	0	8	26	15	9	17	50
	17	00		21	35	100		30	15		14	50
	17	55		20	50	200		33	40		11	40
	18	50		19	54	300		37	05		08	00
8	18	52	8	19	52	303 ~~400~~		41	30		05	05
						500		45	20	9	01	50
						600	8	48	35	8	58	20
						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 4 0

(8) S. 72 E.

Smalue Id (6)

S 8 W

6. 3

Dredge ~~Hydrog.~~ No. 5570 Date, Sept 22, 1909

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

Turns — Cor'n — Depth 330 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom fine S. Glob

Thermom. Make N.Z. No. 108015 Cor'n Instr. —.7 Stem. —

Bottom Reading 53. Cor'd Temp. 52.3

Temp. Surf. 83 Time 10:28A 83 Time ~~10:45A~~ Air 87 86

Density: Surf. — — fms. —

Wind: Direction Variable Force 1

Baromet. 29.92 Amt. of Clouds 5 State of Sea S.

Weather bcz.

Direction and Force of Current. Surface — Bottom —

Tide —

General Locality North of Tawi Tawi Id. Simoluc Id (E) S 17 E. Kandbasang

Position Lat 5°32'15" Long 120°12'57"

Chart used: No. 4722 Ed'n —

Drift: Direction N 45 W Distance 1.0

Depth of Haul Bottom.

Apparatus and Rig used As before

Time towing h. 17 15 m.

Remarks: Net was fouled being caught on a bolt head of the frame.

Deck Officer Mr. Hazard Recorder H W Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up. A M.				A M. Down.			Up. A M.		
9	52	15	9	59	10	0	10	04	00	11	03	50
	53	05		58	25	100		07	45	11	00	40
	54	05		57	40	200		11	10		57	30
	55	10		56	50	300		15	00		54	20
9	55	25	9	56	25	330 ~~400~~		18	10		51	10
						500		22	20		48	10
						600	10	27	25	10	44	40
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
Id (W) S 26 W.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
Simaluc						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Simaluc I (E) S 17 E

5.

Dredge ~~Hydrog.~~ No. 5571 Date, Sep. 22, 1909.

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

Turns 340 Cor'n — Depth 340 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample sml. amt.

Character of Bottom S Sh.

Thermom. Make N.B. No. 108015. Cor'n Instr. -.7 Stem.

Bottom Reading 53° Cor'd Temp. 52.3

Temp. Surf. 84° Time 2:00 p. 84° Time 2:22 p. Air 81° 81.5°

Density: Surf. fms.

Wind: Direction ESE Force 3

Baromet. 29.88 Amt. of Clouds 9 State of Sea S

Weather Vc.

Direction and Force of Current. Surface Bottom

Tide

General Locality North of Tawi Tawi Simulae I (N) S 66° E - Kandbasang I

Position 5°30'45" N - 120° 7'57" E.

Chart used: No. 4722 Ed'n —

Drift: Direction N 67° E Distance 1.4 m.

Depth of Haul Bottom.

Apparatus and Rig used 9' Tanner, 3 glass floats; 2 wing - & 1 tail wt.; mudbag.

Time towing — h. 21 m.

Remarks:

Deck Officer Mr Hazard Recorder Arnkil

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M.	Down.	Up.	P	M.		P	M.	Down.	Up.	P	M.
1	27	40	1	35	25	0	1	38	30	2	40	30
	28	35		34	25	100		42	35		37	10
	29	35		33	30	200		46	25		33	50
	30	35		32	30	300		50	05		30	45
1	31	00	1	32	00	340 400		53	55		27	45
						500		56	50		24	20
						600	2	00	00	2	20	50
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
(W) S 33 E.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
Simalue (R) S 66 E						3300						
						3400						
						3500		5.8				
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

43

Dredge ~~Hydrog.~~ No. 5572 Date, Sep 22, 1909

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

Turns 334 Cor'n — Depth 334 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 1/4 oz.

Character of Bottom S

Thermom. Make N.B. No. 108015. Cor'n Instr. -.7 Stem.

Bottom Reading 53° Cor'd Temp. 52.3

Temp. Surf. 84° Time 3:35p. 84° Time 4:05 Air 82° 82°

Density: Surf. fms.

Wind: Direction SW Force 3-2.

Baromet. 29.85 Amt. of Clouds 5 State of Sea S

Weather Vaz.

Direction and Force of Current. Surface Bottom

Tide

General Locality North of Tawi Tawi Simulac Id (N) S 51° E - Kandbasang I

Position 5°31'26" N - 120°9'45" E.

Chart used: No. 4722 Ed'n —

Drift: Direction N 82° E Distance 1.9 m.

Depth of Haul Bottom.

Apparatus and Rig used As before, but only one glass float.

Time towing h. 26 m.

Remarks:

Deck Officer Mr. Hazard Recorder Arnkil

Mr. Rohange C.E. DeLong.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M. Down.		Up.	P	M.		P	M. Down.		Up.	P	M.
2	57	20	3	07	00	0	3	10	15	4	18	50
3	00	15		06	00	100		15	45		15	35
	01	10		05	00	200		19	20		12	25
	02	00		03	50	300		23	00		09	15
3	02	20	3	03	20	334 400		26	45		06	00
						500		30	20	4	02	50
						600	3	33	30	3	59	30
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
(W) S 9 E.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
Simalue						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

44

Simalue I (N) S 51 E

4.7

Dredge / Hydrog. No. 5573 Date, Sept 22-23, 1909

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

Turns ____ Cor'n ____ Depth 12 fms.

Sdg. Cup ____ Amt. Bot'm Sample ____

Character of Bottom No bottom

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 83° Time 6.05 / Time ____ Air 83°

Density: Surf. ____ fms. ____

Wind: Direction Various Force 1-4

Baromet. 29.69-29.96 Amt. of Clouds 1-5 State of Sea 2

Weather Clear

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality Sinaloc I'd (N) S 86°E; Sinaloc I'd (W) South; North of Tawi Tawi

Position 5° 24' 30" N 120° 13' 00" E.

Chart used: No. 4722 Ed'n ____

Drift: Direction ~ Distance ____

Depth of Haul Surface

Apparatus and Rig used 9' Intermediate as surface while at anchor

Time towing ____ h. ____ m.

Remarks: Ship at anchor

Deck Officer ____ Recorder C.E. Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
___ M.	Down.		Up.	___ M.			P M.	Down.		Up.	P M.	
						0	Out			In		
						100	Sept 22			Sept 23		
						200	6	03	00	5	45	00
						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						

45

Simalic S (N) 886 E

.4

Dredge ~~Hydrog.~~ No. 5574 Date, Sept. 23, 1909

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 340 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 82 Time 7:20 A. 82 Time 7:44 A. Air 81 81

Density: Surf. — fms. —

Wind: Direction Variable Force 1

Baromet. 29.93 Amt. of Clouds 9 State of Sea S.

Weather bcm.

Direction and Force of Current. Surface — Bottom —

Tide

General Locality North of Tawi Tawi Simalue I (N) S66E Kandbasang I

Position 5°30'45" N - 120°7'57" E.

Chart used: No. 4722 Ed'n

Drift: Direction N58°E Distance 1.2 m.

Depth of Haul Bottom

Apparatus and Rig used 9' Tanner trawl 1 glass float, 2 wing weights, 1 tail weight and mud bag.

Time towing — h. 23½ m.

Remarks:

Deck Officer Mr. Hazard Recorder H W Crider

Mr. Rohanze Fontil

11—1023

SOUNDING WIRE. M. Down.	SOUNDING WIRE. Up.	SOUNDING WIRE. M.	FMS.	DREDGING CABLE. M. Down.	DREDGING CABLE. Up.	DREDGING CABLE. M.
			0	6 56 00	8 04	10
			100	59 50	8 01	10
			200	7 03 40	7 58	10
			300	07 00	55	10
			400	10 10	52	10
			500	13 30	49	00
			600	18 10	45	50
			~~700~~ 650	7 20 20	7 43	50
			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			

No sounding.

(W) S 33 E.

Smalled (W) S 66 E

5.8

Dredge ~~Hydrog.~~ No. 5575 Date, Sep. 23, 1909

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

Turns 315 Cor'n – Depth 315 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Smt. amt.

Character of Bottom co S

Thermom. Make NB. No. 108015. Cor'n Instr. –.7 Stem.

Bottom Reading 53° Cor'd Temp. 52.3

Temp. Surf. 83° Time 9:35a 83° Time 10:00a Air 83° 84°

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. 29.96 Amt. of Clouds 9-10 State of Sea S

Weather bog – oz.

Direction and Force of Current. Surface Bottom

Tide

General Locality North of Mt. Doomedario, Tawi Tawi, S 16 W – Ka

Position 5°28'30" N – 120° 2'27" E.

8919 Chart used: No. 4514 Ed'n –

Drift: Direction S 86 E Distance 2.2 m

Depth of Haul Bottom.

Apparatus and Rig used 9' Tanner, 1 gl. float, 2 wing wts.; 1 tail wt.; mudbag.

Time towing – h. 20 m.

Remarks:

Deck Officer Mr. Rohange Recorder Atukit

11—1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.					
H.	M. Down.		Up.	H.	M.		H.	M. Down.		Up.	H.	M.
9	04	00	9	10	55	0	9	13	30	10	26	50
	04	50		10	00	100		17	20		23	40
	05	40		09	05	200		20	40		20	30
	06	35		08	05	300		23	10		17	15
9	06	45	9	07	45	315 400		27	05		14	00
						500		30	15		10	35
						600		33	35		07	40
						650 ~~700~~	9	34	40			
						700 ~~800~~	9	43	20	10	03	55
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
ndbasang I (S) S 80° E)						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
Mt Dromedario (Tawi Tawi) S 16 W						3100						
						3200						
						3300						
						3400		19	2			
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5576 Date, Sep. 23, 1909.

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

Turns 277 Cor'n — Depth 277 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 1/4 oz.

Character of Bottom S.

Thermom. Make N.Z. No. 108015. Cor'n Instr. -.7 Stem.

Bottom Reading 54° Cor'd Temp. 53.3

Temp. Surf. 84° Time 11:00 a. 84° Time 11:31 a. Air 84° 84.5°

Density: Surf. fms.

Wind: Direction Variable Force 1-0

Baromet. 29.94 Amt. of Clouds 10 State of Sea S

Weather oz.

Direction and Force of Current. Surface Bottom

Tide

General Locality North of Tawi Tawi.
Mt. Dromedario S22W - Simalue I (S)

Position 5°25'56" N - 120°3'39" E

Chart used: No. ~~4514~~ 4722 Ed'n —

Drift: Direction S2°E Distance 1.7 m.

Depth of Haul Bottom.

Apparatus and Rig used As before.

Time towing — h. 8 m.

Remarks:

Deck Officer Mr. Rohange Recorder Arnkil

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A.	M.	Down.	Up.	A.	M.		A.	M.	Down.	Up.	A.	M.
10	47	05	10	53	10	0	10	56	00	11	49	30
	47	55		52	20	100	11	00	10		46	30
	48	50		51	30	200		04	05		43	30
10	49	40	10	50	40	300		08	05		~~40~~	15
						400		11	35		37	25
						500		14	55		34	10
						~~600~~	11	15	50			
						~~700~~ 600	11	22	00	11	30	00
						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						

N 87 E.

Mt Dromedary S 22 W

17.2

Dredge / ~~Hydrog.~~ No. 5577 Date, Sept 23, 1909

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

Turns 240 Cor'n — Depth 240 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample about 2 drams

Character of Bottom Csc S.

Thermom. Make N.Z. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 55° Cor'd Temp. 54.3

Temp. Surf. 82° Time 2:45 / 82° Time 3:20 Air 79° / 79°

Density: Surf. fms.

Wind: Direction ~~OVxN~~ Variable Force ~~3-4~~ 2-4

Baromet. 29.89 Amt. of Clouds 9 State of Sea S.

Weather bezp -0

Direction and Force of Current. Surface / Bottom

Tide

General Locality Mt Dromedario, Tawi Tawi S.9 W.
Mt Bijimba, Tawi Tawi, S 83° E, N of Tawi Ta

Position 5° 20' 36" N.; 119° 58' 51" E.

Chart used: No. 4514 Ed'n

Drift: Direction S. 61° E. Distance 1.8 mi

Depth of Haul bottom

Apparatus and Rig used As before

Time towing h. 18 1/6 m.

Remarks: Mud bag lost.

Deck Officer Mr Johnson Recorder C.E. DeLong

11—1028

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
2	35	20	2	40	40	0	2	42	30	3	34	45
	36	15		39	50	100	2	46	20	3	31	25
	37	10		39	05	200	2	49	35	3	28	20
2	37	40	2	38	40	240 ~~300~~	2	54	40	3	25	15
						400	2	58	35	3	22	00
						~~480~~ 500	3	01	10	3	19	20
						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						

51

Mt Dromedary S 9 W

10.9

Dredge / ~~Hydrog.~~ No. 5578 Date, Sept 23-24, 1909

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

Turns _____ Cor'n _____ Depth 10 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. 82 Time 8:00 P / 81 Time 5:50 A Air 77 / 77

Density: Surf. — fms. —

Wind: Direction S.E. Force 3

Baromet. 29.95 Amt. of Clouds 10 State of Sea S

Weather op

Direction and Force of Current. Surface — Bottom —

Tide —

General Locality Totoan Pass, Tawi Tawi Id. Cobayacanan Id (S) S 56 W. Bacun

Position Lat 5° 14' 38" Long 119° 57' 57"

Chart used: No. C.S. 4514 Ed'n —

Drift: Direction Ship at anchor Distance

Depth of Haul Surface.

Apparatus and Rig used 10' intermediate used as surface while at anchor.

Time towing 9 h. 49 m.

Remarks:

Ship at anchor

Deck Officer Mr. Rohonge Recorder H W Cuider

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
---- M.	DOWN.	UP.	---- M.		P. M.	DOWN.		UP.	A. M.	
				0	Sept 23			Sept 24		
				100	8	00	00	5	49	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						

52

t. Tami Tami S 66 E.

Mt Dromedario S 9 W

4. 8

Dredge / ~~Hydrog.~~ No. 5579 Date, Sept 25, 1909

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

Turns — Cor'n — Depth 175 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom Fine S. Co

Thermom. Make N. J. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 56 Cor'd Temp. 55.3

Temp. Surf. 82 Time 8:25 A 82 Time 8:45 A Air 80 81

Density: Surf. fms.

Wind: Direction Variable Force 2

Baromet. 29.94 Amt. of Clouds 9 State of Sea S

Weather am.

Direction and Force of Current. Surface Bottom

Tide

General Locality East of Borneo.

Silvag Id. S. 3 W. Sibutu Pk. S. 77 E.

Position Lat. 4°54'15" Long. 119°9'52"

Chart used: No. C.S. 4722 Ed'n

Drift: Direction S. 37 W. Distance 1.5

Depth of Haul Bottom

Apparatus and Rig used 9' Tomes trawl, 1 glass float, 2 wing weights, 1 tail weight. Mud bag.

Time towing h. 20 m.

Remarks:

Deck Officer Mr. Rahange Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.	Down.		Up.	A. M.			A. M.	Down.		Up.	A. M.	
8	01	15	8	05	40	0	8	12	30	8	56	40
	02	15		04	50	100		16	30		53	35
8	03	00	8	04	00	175 ~~200~~		20	40		50	25
						300		23	55		47	15
						400 330	8	25	20	8	45	20
						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						

54

Substitute Pk 8776

20.3

Dredge / ~~Hydrog.~~ No. 5560 Date, Sept 25, 1909.

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

Turns — Cor'n — Depth 162 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom Un. S. Co

Thermom. Make N. Z. No. 108015 Cor'n Instr. -.7 Stem. —

Bottom Reading 56.5 Cor'd Temp. 55.8

Temp. Surf. 83 Time 9:40 A / 83 Time 9:56 A Air 82½ / 82½

Density: Surf. — fms.

Wind: Direction SSW. Force 2

Baromet. 29.94 Amt. of Clouds 9 State of Sea S.

Weather hazy.

Direction and Force of Current. Surface — Bottom —

Tide —

General Locality East of Borneo.

Banguan Id. S. 25 W. Anduliang

Position Lat. 4° 52' 45" Long. 119° 8' 45"

Chart used: No. C.S. 4722 Ed'n —

Drift: Direction S. 16 W. Distance 1.0

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 16 30 m.

Remarks:

Deck Officer Mr. Rohonge Recorder H. W. Crider.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.	Down.		Up.	A. M.			A. M.	Down.		Up.	A. M.	
9	18	00	9	22	10	0	9	25	25	10	08	40
	19	00		21	20	100		29	00		05	40
9	19	40	9	20	40	162 ~~200~~		32	50	10	02	40
						300		37	00		58	00
						~~400~~ 350	9	39	30	9	56	00
						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						

55

S 53 E.

Sibutu I

Pk S 82 E

23.2

Dredge / ~~Hydrog.~~ No. 5581 Date, Sept 25 - 26, 1909

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

Turns _____ Cor'n _____ Depth 20½ fms.

Sdg. Cup No Amt. Bot'm Sample _____

Character of Bottom S.S. Co.

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. 83° Time 6.00 p Time _____ Air 82°

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0 - 4

Baromet. 29.86 - 29.94 Amt. of Clouds 10 - 7 State of Sea S

Weather bcoplwm

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

General Locality Sebanbat I'd (E) N 17 W.; Bum Bum I'd (NW) S. 83 W.; E of Borneo, Sibuku Bay

Position 4° 30' 25" N. 118° 41' 30"

Chart used: No. H.O. 2117 Ed'n June 03

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used 10' Intermediate over side while at anchor

Time towing _____ h. _____ m.

Remarks:

Ship at anchor

Deck Officer _____ Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
1 M. Down.			Up.	---- M.			7 M. Down.			Up.	8 M.	
						0	Out			In		
						100	Sept 25			Sept 26		
						200	5	55	00	6	00	
						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						
Bum			Bum			3000	S (N W)			S 83 W		
						3100	3, 5					
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

57

Dredge / ~~Hydrog.~~ No. 5582 Date, Sept 26, 1909

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

Turns 890 Cor'n — Depth 890 fms.

Sdg. Cup Sigabee Amt. Bot'm Sample 4 oz.

Character of Bottom gy M; fne S.

Thermom. Make N.G. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 39° Cor'd Temp. 38.3

Temp. Surf. 82° Time 10:25 / 82° Time 11:45 Air 81° / 83°

Density: Surf. fms.

Wind: Direction S.W. Force 3

Baromet. 29.96 Amt. of Clouds 6 State of Sea S

Weather bc.

Direction and Force of Current. Surface / Bottom

Tide

General Locality East of Borneo.
Boheion Id. (W) N. 17 W. Si Amil Id

Position Lat. 4° 19' 54" Long. 118° 58' 38"

Chart used: No. H.O. 2117 Ed'n

Drift: Direction S. 17 E. Distance 3.3

Depth of Haul Bottom

Apparatus and Rig used 9' Tanner, 2 wing weights, 1 tail weight, 1 glass float, 1 mudbag.

Time towing h. 17 m.

Remarks:

Deck Officer Mr. Rohanger Recorder C.E.L. Long.
Mr Johnson. H.W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a. M.	Down.		Up.	a. M.			a. M.	Down.		Up.	a. M.	
10	00	20	10	18	55	0	10	22	20	12	27	50
	01	10		18	15	100		25	55		24	50
	02	05		17	30	200		30	00		22	00
	03	05		16	50	300		34	25		18	45
	04	15		16	05	400		37	35		14	20
	05	25		15	20	500		40	25		11	50
	06	45		14	30	600		43	15		08	45
	08	10		13	40	700		46	15		05	55
	09	30		12	50	800		49	10	12	02	40
10	10	50	10	11	50	890 ~~900~~		52	00		59	25
						1000		55	05		56	10
						1100		58	00		52	45
						1200	11	01	10		49	50
						1300		04	40		45	30
						1400		07	45		41	20
						1500		10	45		37	20
						1600	11	14	55	11	31	55
						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						

58

(n) S. 82 W.

Similar (n) S 8 2 W

6.2

Dredge ~~Hydrog.~~ No. 5-5-83 Date, Sept 27, 1909

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

Turns 447 Cor'n — Depth 447 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 1/3 oz.

Character of Bottom fne. S.

Thermom. Make L.Z. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 41° Cor'd Temp. 40.3

Temp. Surf. 85° Time 1:55 84° Time 3:10 Air 84° 88°

Density: Surf. fms.

Wind: Direction Various Force 1-2

Baromet. 29.93 Amt. of Clouds 7-8 State of Sea S.

Weather bcpz.

Direction and Force of Current. Surface Bottom

Tide

General Locality Ligitan I'd (M) S. 19 W.; Si Smil I'd (N) N 88 W; East of Borneo, Sibuku Bay.

Position 4° 19' 00" N 118° 56' 20" E

Chart used: No. HO 2117 Ed'n

Drift: Direction S 46° E Distance 2 mi

Depth of Haul bottom

Apparatus and Rig used 9' Tanner, 1 glass float 1 mud bag, 2 wing weights and 1 tail weight.

Time towing h. 28 m.

Remarks:

Deck Officer Mr. Johnson Recorder C.E.H. Long.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P M.			P M.	Down.		Up.	P M.	
1	43	40	1	52	35	0	1	56	20	3	21	50
	44	35		51	50	100	2	00	20		18	50
	45	30		51	05	200		04	10		15	40
	46	25		50	20	300		07	50		12	30
	47	30		49	30	400		10	50		09	00
1	48	00	1	49	00	447 ~~500~~		14	00		06	00
						600		17	00	3	02	50
						700		20	05		59	40
						800		23	20		56	30
						850 ~~900~~	2	25	05			
						900 ~~1000~~	2	32	00	2	53	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						

61

Si Amil I (N) N 88 W

3, 5

Dredge ~~Hydrog.~~ No. 5584 Date, Sept 27, 1909

Sdg. Mch. Lucas Reel Lucas Shot ~~Lead~~ 25 lbs.

Turns 292 Cor'n ——— Depth 292 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 1/4 oz.

Character of Bottom fine S.; gn M.

Thermom. Make NZ. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 45° Cor'd Temp. 44.3

Temp. Surf. 84° Time 3:35 84° Time 4:22P Air 80° 81

Density: Surf. fms.

Wind: Direction Variable Force 2-3

Baromet. 29.90 Amt. of Clouds 9 State of Sea S

Weather bcz p

Direction and Force of Current. Surface Bottom

Tide

General Locality East of Borneo.

Ligitan Id. (mid) S 30 W. Si Smil

Position Lat. 4°17'40" Long. 118°57'42"

Chart used: No. H.O. 2117 Ed'n

Drift: Direction S. 56 W. Distance 1.3

Depth of Haul bottom

Apparatus and Rig used As before

Time towing h. 20½ m.

Remarks: Accumulator registered 3¼ tons; Net badly torn and tanner beam lost.

Deck Officer Mr. Johnson Mr. Hazard Recorder C. E. Dr. Long H. W. Cudd

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
3	25	30	3	31	55	0	3	24	30	4	48	30
	26	25		31	00	100		38	15		45	00
	27	15		30	15	200		41	55		41	50
3	28	10	3	29	10	292 300		46	20		37	25
						400		51	10		32	00
						500		55	30		26	00
						600	4	01	30	4	22	00
						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						

62

Id. (N.) N. 74 W.

Similar (N) N 74 W

5.4

Dredge ~~Hydrog.~~ No. 5585 Date, Sept 28, 1909

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

Turns 476 Cor'n —— Depth 476 fms.

Sdg. Cup. Sigsbee Amt. Bot'm Sample 2½ oz.

Character of Bottom gy M;

Thermom. Make N.Z. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 41.8° Cor'd Temp. 41.1

Temp. Surf. 82° Time 9:04 84° Time 9:55 Air 84° 85°

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. 30.02 Amt. of Clouds 9 State of Sea S

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality Ligitan Id, (M) N 50° E; Sipadan Id (Mid) S 89° W.; East of Borneo.

Position 4° 07' 00" N; 118° 49' 54" E

Chart used: No. H.O. 2117 Ed'n

Drift: Direction S 53 W Distance 1.9 mi

Depth of Haul bottom.

Apparatus and Rig used 9' Tanner, 1 sinker (120#) 2 wing weights, 1 tail weight, 3 glass floats, 1 mud bag.

Time towing h. 20½ m.

Remarks:

Deck Officer Mr Hazard Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.	Down.		Up.	A. M.			A. M.	Down.		Up.	A. M.	
8	44	25	8	56	30	0	9	00	40	10	21	35
	45	15		55	10	100		04	45		18	25
	46	10	8	53	10	200		08	30		15	10
	47	00		52	10	300		12	40		11	55
	48	00		51	10	400		16	40		08	50
8	48	50	8	49	50	476 ~~500~~		19	50		05	00
						600		22	40	10	00	05
						700		25	50		57	05
						800		29	15		53	55
						~~900~~ 850	9	31	00	9	47	30
						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						

63

Sipadan (m) 8 9 m

12.

Dredge ~~Hydrog.~~ No. 5586 Date, Sept 28, 1909

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

Turns 347 Cor'n —— Depth 347 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 2 oz.

Character of Bottom gy. M.

Thermom. Make N. Z. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 44.7° Cor'd Temp. 44.-

Temp. Surf. 84° Time 11:20 84° Time 12:17P Air 83½° 77°

Density: Surf. fms.

Wind: Direction Variable Force 0-2

Baromet. 30.00 Amt. of Clouds 9-10 State of Sea S

Weather bczp-o

Direction and Force of Current. Surface Bottom

Tide

General Locality East of Borneo.
Kapalai Id (mid) N.42W. Sipadan

Position Lat. 4° 6' 50" Long. 118° 47' 20"

Chart used: No. Ho. 2117 Ed'n

Drift: Direction N.42W Distance 0.8 mi

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 33 m.

Remarks:

Deck Officer C. M. Hazard Recorder C. E. De Long
Rohan W. H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a. M.	Down.		Up.	a. M.			a. M.	Down.		Up.	~~a.~~ M.	
11	05	10	11	13	25	0	11	18	00	12	35	40
	06	10		12	25	100		22	30		32	25
	07	00		11	20	200		26	15		29	15
	07	55		10	10	300		30	40		26	15
11	08	20	11	09	25	347 ~~400~~		34	15		23	20
						500		38	55		20	10
						600	11	43	45	12	16	45
						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						

64

Id. (mid) West.

Sipadan I (M) West

9. 4

Dredge ~~Hydrog.~~ No. 5587 Date, Sept 28, 1909

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

Turns Cor'n Depth 415 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 3 oz

Character of Bottom gn. M. S + Co.

Thermom. Make N. Z. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 43 Cor'd Temp. 42.3

Temp. Surf. 85° Time 3:10 F 85° Time 3:32 F Air 84½° 85°

Density: Surf. fms.

Wind: Direction Variable Force 1-2

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

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide

General Locality East of Borneo

Kapalai Id. (mid) N. 59 E.

Position Lat. 4°10'35" Long. 118°37'12"

Chart used: No. H.O. 2117 Ed'n

Drift: Direction S. 15 E. Distance 1.5 m

Depth of Haul Bottom.

Apparatus and Rig used As before

Time towing h. 21 m.

Remarks:

Deck Officer Mr. Rohange Recorder H. W. Crider.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
#	M.	Down.	Up.	#	M.		#	M.	Down.	Up.	#	M.
2	31	20	2	39	40	0	2	42	20	3	58	40
	32	10		38	50	100		46	30		55	10
	33	00		38	00	200		50	25		52	00
	33	45		37	10	300		54	10		48	40
	34	35		36	10	400		57	50		45	20
2	34	50	2	35	50	415 ~~500~~	3	01	10		41	05
						600		04	45		37	45
						700		08	30		34	20
						750 ~~800~~	3	10	30	3	31	30
						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						

Sipadan Id. (W) S. 12 E

Sipadan Id. (W) S. 12 E

3.8

Dredge / ~~Hydrog.~~ No. 5-5-88 Date, Sept 28-29, 1929

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

Turns 2 Cor'n ____ Depth 11 fms.

Sdg. Cup ____ Amt. Bot'm Sample ____

Character of Bottom Rocky

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 82° Time 6.00 p.m. / Time ____ Air 80°

Density: Surf. ____ ____ fms.

Wind: Direction Various Force 0-1

Baromet. 29.85-29.94 Amt. of Clouds 2-3 State of Sea S.

Weather Clear

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality Mabul Id (S) N 81° E; Sipangao Id (W) N 5° W.; East of Borneo, Sibuko Bay

Position 4° 14' 20" N. 118° 36' 46"

Chart used: No. H.O. 2117 Ed'n ____

Drift: Direction ____ Distance ____

Depth of Haul Surface

Apparatus and Rig used 10' Intermediate over side while at anchor

Time towing ____ h. ____ m.

Remarks: Ship at anchor

Deck Officer Mr. Hazard Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	Down.		Up.	---- M.			P M.	Down.		Up.	R M.	
						0	Out			In		
						~~100~~	Sept. 28.			Sept. 29.		
						~~200~~						
						~~300~~	6	10	00	5	45	
						~~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						
Mabul I (S)						3400	N 81 E					
						3500						
						3600	1.7					
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

67

Dredge ~~Hydrog.~~ No. 5589 Date, Sept. 29, 1909

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

Turns 260 Cor'n — Depth 260 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 3 oz.

Character of Bottom fine gy S.; gy M.

Thermom. Make N. Z. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 46.4° Cor'd Temp. 45.7

Temp. Surf. 82° Time 7:25 82° Time 8:05 A Air 81 81

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 29.84 Amt. of Clouds 2 State of Sea S

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality East of Borneo. Sibuko Bay Mabul Id. N.W. N.3W. Kapolai Id

Position Lat. 4°12'10" Long. 118°38'08"

Chart used: No. H.O. 2117 Ed'n

Drift: Direction S. 49 E. Distance 2.0

Depth of Haul bottom

Apparatus and Rig used 9' Tanner, 120# sinker, 2 wing weights, 1 tail weights, 3 glass floats, 1 mud bag.

Time towing h. 20 20 m.

Remarks:

Deck Officer Mr. Hazard Recorder C. E. D. Long

11—1023

Mr. Rohange H. W. Cuder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up. a M.				a M. Down.			Up. a M.		
7	13	10	7	19	00	0	7	22	00	8	20	00
	14	05		18	00	100		26	05		17	00
	15	00		17	10	200		29	45		13	50
7	15	35	7	16	35	260 ~~300~~		34	30		10	40
						400		38	00		07	30
						450 ~~500~~		40	05			
						500 ~~600~~	7	43	40	8	04	00
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
(mid) N. 73 E.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
Mabuld						3400	(n w) N 3 W					
						3500						
						3600	2.8					
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

69

Dredge ~~Hydrog.~~ No. 5590 Date, Sept. 29, 1909

Sdg. Mch. Lucas Reel A. ~~Lead~~ Shot 36 lbs.

Turns 9 Cor'n Depth 310 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 2 oz.

Character of Bottom gn. m. S.

Thermom. Make N. Z. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 45 Cor'd Temp. 44.3

Temp. Surf. 83° Time 9:02 A 83° Time 9:24 A Air 82½° 81½°

Density: Surf. fms.

Wind: Direction Variable Force 0 - 1

Baromet. 29.91 Amt. of Clouds 3 State of Sea S.

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality East of Borneo. Sibuko Bay. Mabul Id. N.W. ½ N. 22 W. 9 Kapolat

Position Lat 4° 10' 50" Long 118° 39' 35"

Chart used: No. HO. 2117 Ed'n

Drift: Direction S. 55° E. Distance 1.8

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 21 m.

Remarks:

Deck Officer M. Rolange Recorder H. W. Crider.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.	Down.		Up.	A. M.			A. M.	Down.		Up.	A. M.	
8	29	30	8	36	25	0	8	42	25	9	42	00
	30	40		35	35	100		46	20		38	45
	31	40		34	50	200		49	50		35	30
	32	40		34	00	300		53	40		32	20
8	32	50	8	33	50	310 ~~400~~		57	20		29	00
						500	9	00	30		25	30
						550 ~~600~~	9	02	00	9	23	10
						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						

10

Id. (mid) N. 40 E.

Mabnld (mn) 3500 A 22 M

4. 3

Dredge / ~~Hydrog.~~ No. 5591 Date, Sept. 29, 1909.

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

Turns ____ Cor'n ____ Depth 260 fms.

Sdg. Cup ____ Amt. Bot'm Sample ____

Character of Bottom No Sd. G.

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 84 Time 10:55 A. / 84 Time 11:15 A. Air 83½° / 84°

Density: Surf. ____ fms. ____

Wind: Direction Calm Force 0

Baromet. 29.88 Amt. of Clouds 3 State of Sea S.

Weather Clw

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality East of Borneo Sibuko Bay. Mobul Id. N.W. ½ N. 6 W. Kapolai Id

Position Lat. 4° 11' 48" Long. 118° 38' 30"

Chart used: No. H.O. 2117 Ed'n ____

Drift: Direction S. 58 E. Distance 1.8

Depth of Haul Bottom.

Apparatus and Rig used As before except no mud bag.

Time towing ____ h. 20½ m.

Remarks: ____

Deck Officer Mr Rohange Recorder W.W. Cridy

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.	Down.		Up.	A. M.			A. M.	Down.		Up.	A. M.	
						0	10	36	30	11	29	45
						100		39	30		26	50
						200		43	05		23	45
						300		47	15		20	55
						400		50	30		17	40
						500	10	53	40	11	14	10
						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						

N. 67 E.

Marked (on 3500)

3.1

Dredge / Hydrog. No. 5592 Date, Sept 29, 1909

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

Turns 305 Cor'n — Depth 305 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 4 oz.

Character of Bottom gn M

Thermom. Make N.Z. No. 108015 Cor'n Instr. -.7 Stem.

Bottom Reading 44° Cor'd Temp. 43.3

Temp. Surf. 85° Time 3:45 p. 85° Time 4:11 p. Air 83° 83°

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 29.78 Amt. of Clouds 2 State of Sea S

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide

General Locality East of Borneo, Sibuko Bay Silungan I (m) N 1° W - Nanompili I (m)

Position 4°12'44" N - 118°27'44" E.

Chart used: No. H.O. 2117 Ed'n —

Drift: Direction N 65° E Distance 0.7 m.

Depth of Haul Bottom

Apparatus and Rig used as before

Time towing — h. 10 m.

Remarks:

Deck Officer Mr. Rohange Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
3	30	30	3	37	15	0	3	40	10	4	28	20
	31	30		36	20	100	3	44	00		24	40
	32	20		35	25	200		47	40		21	20
	33	10		34	20	300		51	35		17	40
3	33	15	3	34	15	306 ~~400~~		53	40		15	50
						500	3	59	40	4	10	10
						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						

12

N 4½° E.

Silungan Is (m) R 1 M

6.4

~~Dredge~~ Hydrog. No. ~~4934~~ Date, Sept 29, 1909

Sdg. Mch. Tanner Reel T.N. ~~Shot~~ Lead 35 lbs.

Turns 86 Cor'n — Depth 71 fms.

Sdg. Cup Tallow on lead Amt. Bot'm Sample plentiful

Character of Bottom fne. S.

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

Bottom Reading ..... Cor'd Temp. .....

Temp. Surf. ..... Time ..... 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 .....

Position .....

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

Drift: Direction ..... Distance .....

Depth of Haul .....

Apparatus and Rig used .....

Time towing ..... h. ..... m.

Remarks: .....

Deck Officer Mr. Hazard Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			---- M. Down.			Up.		---- M.
about												
7	10	—	7	15	00	0						
7	12	—	7	18	00	~~100~~ 86						
						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~~ Hydrog. No. 5593 Date, Sept 29, 1909

Sdg. Mch. Tanner Reel T.N. ~~Shot~~ Lead 35 lbs.

Turns 44 Cor'n — Depth 38 fms.

Sdg. Cup tallow on lead Amt. Bot'm Sample plentiful

Character of Bottom fine S

Thermom. Make None Used Cor'n Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 7:35 Air 84°
84° Time 7:50 83°

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 29.82 Amt. of Clouds 4 State of Sea S

Weather bcl

Direction and Force of Current. Surface
Bottom

Tide

General Locality Mt Putri sea tangent Borneo N 52° W; Sebatik Id (S) Borneo S 85° W.

Position 4° 02' 40" N.; 118° 11' 20" E (East of Borneo.

Chart used: No. ~~HO 2117~~ BA 2099 Ed'n Apr. 95

Drift: Direction West Distance 1.4 mi.

Depth of Haul bottom

Apparatus and Rig used As before except no sinker used

Time towing h. 15 m.

Remarks: Frame badly bent.

Deck Officer Mr. Hazard Recorder C. E. DeLong

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P M.			P M.	Down.		Up.	P M.	
7	24	55	7	26	55	0	7	28	00	7	55	10
7	25	20	7	25	30	44 ~~100~~ 70	7	30	40			
						~~200~~	7	33	50	7	48	50
						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						

173

Mt Putri (Sea Tongent) Borneo

N 52 W

17.2

Dredge / ~~Hydrog.~~ No. 5-5-94 Date, Sept. 30, 1909

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

Turns ____ Cor'n ____ Depth 21 fms.

Sdg. Cup ____ Amt. Bot'm Sample ____

Character of Bottom ____

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 83° Time 7:25 P / 83° Time 9:00 P Air 26° / 78°

Density: Surf. ____ fms. ____

Wind: Direction North Force 2

Baromet. 29.86 Amt. of Clouds 9 State of Sea S

Weather hcw

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality ~~Tawao~~ Mt. Putri sea taggent Borneo

Position Lat. 4° 14' 20" Long. 117° 53' 12"

Chart used: No. Ba. 2099 Ed'n ____

Drift: Direction Ships at anchor Distance ____

Depth of Haul Surface

Apparatus and Rig used 10' intermediate used as surface

Time towing 1 h. 36 40 m.

Remarks:

Ship at anchor

Deck Officer Mr. Johnson Recorder H.W. Snider

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	Down.		Up.	---- M.			~~7~~ M.	Down.		Up.	~~7~~ M.	
						4 0	7	23	30	9	00	10
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
S 82 E. Pier at Towao. N 8 E						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
Mt Putri (sea tangent) S 82 E						3300						
						3400						
						3500						
						3600		5.9				
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

No Sdg.

95

Dredge / ~~Hydrog.~~ No. 5595 Date, Oct. 6th/7th, 1909.

Sdg. Mch. ____ Reel ____ Shot Leads ____ lbs.

Turns 2 Cor'n ____ Depth 8 1/2 fms.

Sdg. Cup No 1 Amt. Bot'm Sample ____

Character of Bottom Sdg.

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 80° Time 7:15 A / 80 Time 6:00 A Air 80 / 77

Density: Surf. ____ fms. ____

Wind: Direction Variable Force 1.

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

Weather Clear

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality Bamboanga
No bearings

Position 6 54'05"N 122-4-30 E

Chart used: No. 684645 Ed'n ____

Drift: Direction Ship at anchor Distance ____

Depth of Haul Surface.

Apparatus and Rig used 40' intermediate used as surface.

Time towing 10 h. 50 m.

Remarks:

Ship at anchor

Deck Officer My. Rohange Recorder F. W. Crider.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	Down.		Up.		---- M.		# M.	Down.		Up.		A M.
							Feet			Feet		
						0	7	13	00	6	03	00
						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						

77 — 81

with no shades between

Zamboanga Lt N 31 W

.1

Dredge / Hydrog. No. 5596 Date, Oct 10 & 11, 1909

Sdg. Mch. ____ Reel ____ Shot Lead ____ lbs.

Turns ____ Cor'n ____ Depth 8 1/2 fms.

Sdg. Cup ____ Amt. Bot'm Sample ____

Character of Bottom ____

Thermom. Make ____ No. Ship at anchor Cor'n Instr. ____ Stem. ____

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 81° Time 6 a, Oct 10 / 81° Time 6.30 a Oct 11 Air 80° / 77°

Density: Surf. ____ fms. ____

Wind: Direction Variable Force 0 - 1

Baromet. 29.81 - .83 Amt. of Clouds 4 State of Sea S

Weather Rain

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality Zambanga, P.I.

Position 6° 54' 00 N - 122° 04' 30" E

Chart used: No. CS 4645 Ed'n —

Drift: Direction — Distance —

Depth of Haul Surface

Apparatus and Rig used 10' Inter. to surface.

Time towing 12 h. 30 m.

Remarks: Ship at anchor.

Ship at anchor

Deck Officer Mr. Johnson Recorder Frutil

11—1023

Oct 10 | Oct 11

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	DOWN.		UP.		---- M.		P M.	DOWN.		UP.	A M.	
						0	6	00	00	6	30	00
						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						

18

Same

Dredge ~~Hydrog.~~ No. 5597 Date, Oct 12, 1909

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

Turns _____ Cor'n _____ Depth 8½ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. 82 Time 12 h Time _____ Air 83

Density: Surf. _____ fms. _____

Wind: Direction SSE Force 2

Baromet. 29.92 Amt. of Clouds 5 State of Sea S

Weather Vcz.

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

General Locality Zamboanga, P.I.

Position 6°54'00" N – 122°04'30" E

Chart used: No. CS 4645 Ed'n –

Drift: Direction _____ Distance _____

Depth of Haul Surface

Apparatus and Rig used 10' Inter.

Time towing 2 h. 20 m.

Remarks: Ship at anchor.

Ship at anchor

Deck Officer Str. Rohange Recorder Arukil –

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M. Down.			Up.	---- M.			A M. Down.			Up.	B M.	
						0	11	45	00	1	25	00
						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						

79

Same

Dredge / ~~Hydrog.~~ No. 5598 Date, Oct. 12, 1909

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

Turns _____ Cor'n _____ Depth 8½ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. 82 Time 3 pm Time _____ Air 85

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 1 – 0-1

Baromet. 29.83 – .85 Amt. of Clouds 8 – 6 State of Sea S

Weather Bcz

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

General Locality _____

Position As before.

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing 3 h. – m.

Remarks: Ship at anchor.

Ship at anchor

Deck Officer Mr. Rohange Recorder Arnold –

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	DOWN.		UP.		---- M.		P M.	DOWN.		UP.	P ---- M.	
						0	3	10	00	6	10	00
						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						

80

Same

Dredge / ~~Hydrog.~~ No. 5599 Date, Oct 12-13, 1909

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. 82 Time 6 pm Time _____ Air 84

Density: Surf. _____ fms.

Wind: Direction Variable Force 0-2

Baromet. 29.85-.90 Amt. of Clouds 6-0-2 State of Sea S

Weather bow - beast.

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

General Locality _____

Position _____ As before.

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing 11 h. 15 m.

Remarks: Ship at anchor.

Ship at anchor

Deck Officer Tr. Rohanze Recorder Arnkit

11—1023

Oct 12. | Oct 13.

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	DOWN.		UP.	---- M.			4 M.	DOWN.		UP.	4 M.	
						0	6	20	00	5	35	00
						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 1

Same

Dredge ~~Hydrog.~~ No. 5600 Date, November 6, 1909

Sdg. Mch. Lucas Reel Lucas Shot ~~Lead~~ 60 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom

Thermom. Make GB. No. 108015 Cor'n Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. Time Time Air

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Cloud 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: Very strong current while sounding cause of stopping at various intervals to get wire up & down. Wire apparently struck bottom at 3130 fath, as wire slacked & went out much slower. Wire broken off just above stray line. Ther, water bottle, stray

Deck Officer Mr. Hazard Recorder C. E. Le Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A.M.	Down.		Up.	A.M.			___ M.	Down.		Up.	___ M.	
9	30	55	11	39	20	0						
	31	55		38	15	100						
	33	00		37	20	200						
	34	05		36	30	300						
	35	15		35	50	400						
	36	30		34	55	500						
	40	20		34	05	600						
	41	50		33	20	700						
	43	10		32	30	800						
	52	50		31	40	900						
	54	05		30	50	1000						
	55	15		30	00	1100						
	59	20		29	00	1200						
10	00	40		28	00	1300						
	01	55		27	55	1400						
	03	10		27	30	1500						
	04	25		26	25	1600						
	17	15		24	20	1700						
	18	50		23	10	1800						
	20	30		21	15	1900						
	22	10		19	00	2000						
	23	50		17	50	2100						
	25	20		16	25	2200						
	26	45		14	05	2300						
	28	10		12	50	2400						
	29	40		11	30	2500						
	31	15		10	20	2600						
	32	55		09	00	2700						
	34	30		07	40	2800						
	36	05		06	15	2900						
	37	40		04	55	3000						
	43	45	11	00	00	3100						
10	45	00	10	57	30	3200						
						3300						
						3400						
						3500						
This station is not						3600						
						3700						
numbered, the						3800						
						3900						
results.						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
7 line & lead &						4800						
sounding cup lost.						4900						

Dredge / ~~Hydrog.~~ No. 5600 Date, November 7th, 1909.

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

Turns ____ Cor'n ____ Depth surf fms.

Sdg. Cup ____ Amt. Bot'm Sample ____

Character of Bottom ____

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 82 Time 7:05 P / 82 Time 7:32 P Air 80 / 80

Density: Surf. ____ fms. ____

Wind: Direction Variable Force 3-2

Baromet. 29.83 Amt. of Clouds 1. State of Sea S.

Weather clear

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality North of Celebes.

Position Lat. 2° 05' 00" Long. 123° 52' 30"

Chart used: No. H.O. 1727 Ed'n Apr 09

Drift: Direction Ships at anchor Distance ____

Depth of Haul Surface.

Apparatus and Rig used 10' Intermediate used as surface.

Time towing ____ h. 26 m.

Remarks: ____

Deck Officer Mr. Hazard Recorder Hurcrider.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	DOWN.		UP.	---- M.			P M.	DOWN.		UP.	P M.	
						0	7	05	00	7	34	00
						20 ~~100~~	7	06	25	7	31	26
						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						
Menado						3500	$ 586					
						3600	68 m.					
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5601 Date, Nov. 13, 1909.

Sdg. Mch. Lucas Reel L Shot / ~~Lead~~ 60 lbs.

Turns 765 Cor'n Depth 765 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 1/2 oz.

Character of Bottom S Glob Ptr.

Thermom. Make ~~N.B.~~ No. ~~66658~~ Cor'n Instr. Stem.

Bottom Reading ~~80.5° (2)~~ Cor'd Temp.

Temp. Surf. 83° Time 2:07 p. 83° Time 2:40 p. Air 81° 81°

Density: Surf. fms.

Wind: Direction WSW Force 3-4

Baromet. 29.87 Amt. of Clouds 9-10 State of Sea S

Weather bcz - op

Direction and Force of Current. Surface Bottom

Tide

General Locality NE Celebes.

Limbe I (E) North - Po Bentinan S

Position 1°13'10" N - 125°17'05" E.

Chart used: No. 1727 HO Ed'n -

Drift: Direction S 29 E Distance 1.8 m.

Depth of Haul Bottom.

Apparatus and Rig used 12' Agassiz; 2 wingrots; 1 tailrot; mudbag; 2 gum floats.

Time towing — h. 21 m.

Remarks: Water bottle used in Sdg. — Dredged to 1250 fms wire for 8 min., then - at 2:14:30 - paid out to 1350 fms and towed 21 min.; the latter figure counting only.

Deck Officer Mr Rohange Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
1	06	30	1	22	00	0	1	28	00	3	32	00
	07	20		21	05	100		31	20		29	40
	08	15		20	30	200		34	45		24	00
	09	15		19	50	300		38	40		20	20
	10	15		19	05	400		42	00		17	10 *
	11	15		18	20	500		44	45		08	50
	12	20		17	25	600		48	00		05	25
	13	25		16	30	700		50	30	3	02	05
1	14	15	1	15	35	76 800		53	10		58	55
						900		52	00		55	20
						1000	2	00	00		51	50
						1100		07	30		48	15
						1200		05	00		44	45
					12	50 ~~1300~~	2	06	30			
					13	00 ~~1400~~		16	00		41	20
					13	50 ~~1500~~	2	18	00	2	38	15
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
58W						2500						
						2600	* Stopped 5 min.					
						2700	to navigate wire					
						2800						
						2900						
						3000	clear of ship's side.					
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
Limbed (one)						3700	North					
						3800						
						3900	20.7 m					
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge ~~Hydrog.~~ No. 5602 Date, Nov 14, 1909

Sdg. Mch. Lucas Reel Lucas Shot Lead lbs.

Turns 962 Cor'n — Depth 962 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom gy M.

Thermom. Make ~~Neg.~~ No. ~~66658~~ Cor'n Instr. Stem.

Bottom Reading 82° Cor'd Temp.

Temp. Surf. 84° Time 9:35 84° Time 11:00 Air 81° 84°

Density: Surf. fms.

Wind: Direction Variable Force 0 — 1

Baromet. 29.87 Amt. of Clouds 7 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Tomini Gulf.

Tangent to East side Gorontalo pier North

Position Lat. 0° 22' 00" Long. 123° 03' 30"

Chart used: No. B.A. 942a Ed'n Oct 68 Mch 06

Drift: Direction South Distance 2.0 m.

Depth of Haul bottom

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

Time towing h. 20'15 m.

Remarks: Cu. registered over 2 tons while heaving in. Net torn & bridle ropes torn loose

Deck Officer Mr. Johnson Recorder C.E. De Long

11—1023

H.W. Cridsy

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
Q	M.	Down.	Up.	Q	M.		Q	M.	Down.	Up.	Q	M.
8	50	00	7	23	20	0	9	28	50	11	54	30
	51	05-		22	10	100		32	35-		50	45
	52	00		21	35-	200		36	00		47	00
	53	00		20	40	300		39	15		43	35-
	54	00		20	00	400		42	15		50	00
	55	10		19	10	500		45	30		36	05-
	56	25-		05	30	600		49	10		31	10
	57	35-		04	35-	700		51	30		26	25-
	58	45-		03	45-	800		54	50		21	25-
9	00	00		02	50	900		57	50		15	50
9	00	50	9	01	55-	962 1000	10	00	20		12	00
						1100		03	20	11	00	10
						1200		06	40		55-	50
* Stopped to wire out slack wire. To 850 fathoms						1300		09	55-		50	20
						1400		12	45-		44	40
						1500	10	15-	20	10	35-	50
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
Manuman Pt. 5683						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
Gorontalo pier						3400	North					
						3500						
						3600		7.1	m			
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge ~~Hydrog.~~ No. 5603 Date, Nov. 15, 1909

Sdg. Mch. Lucas Reel L Shot ~~Lead~~ 65 lbs.

Turns 803 Cor'n Depth 803 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 8 oz.

Character of Bottom S.

Thermom. Make ~~N.Z.~~ No. ~~66668~~ Cor'n Instr. Stem.

Bottom Reading ~~82°.~~ Cor'd Temp.

Temp. Surf. 84° Time 1:50 P 84° Time 3:00 P Air 84° 83½

Density: Surf. fms.

Wind: Direction Variable Force 2

Baromet. 29.78 Amt. of Clouds 8 State of Sea S.

Weather bcp.

Direction and Force of Current. Surface Bottom

Tide

General Locality Tomini Gulf

Tangent to east side Gorontalo pier N6W.

Position Lat. 00° 24' 00" Long 123° 03' 45"

Chart used: No. 942a Ed'n

Drift: Direction East Distance 1. m.

Depth of Haul Bottom.

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

Time towing h. 10 m.

Remarks: Accumulator registered five tons on heaving in and one bridle strap carried away.

Deck Officer Mr Hazard Recorder H.W. Crider.

11—1023

SOUNDING WIRE. P.M. Down.		Up. P.M.		FMS.	DREDGING CABLE. P.M. Down.		Up. P.M.	
1	04 00	1	20 00	0	1	51 30	3	35 55
	05 30		18 50	100		55 50		32 00
	06 30		18 05	200		59 50		29 00
	07 20		17 20	300	2	03 30		25 50
	08 05		16 35	400		07 15		22 30
	09 00		15 50	500		11 10		19 10
	09 55		15 00	600		14 45		16 00
	10 45		14 10	700		18 30		12 40
	11 50	1	12 56	800		22 05		09 20
1	11 53	1	12 53	803 ~~000~~		26 50		06 05
				1000	* 2	30 15	3	02 30
				1100	2	37 00	2	47 00
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100	*Towed 3 minutes			
				2200	at 100 fms.			
				2300				
				2400	X Stopped 11 minutes			
Manuman Pt. S63E.				2500	to adjust deck			
				2600	winch.			
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
Gorontalo pier				3500	N 6 W.			
				3600				
				3700	5.7 m			
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge / ~~Hydrog.~~ No. 5604 Date, Nov. 15, 1929

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. 83° Time 7:25 p. / 82° Time 7:53 p. Air 83° / 83°

Density: Surf. _____ fms. _____

Wind: Direction SW Force 2

Baromet. 29.80 Amt. of Clouds 5 State of Sea S

Weather ~~trans.~~ bew

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

General Locality Tomini Gulf, Celebes

Position 0°22'30" N – 122°42'30" E.

Chart used: No. BA 942a Ed'n –

Drift: Direction _____ Distance _____

Depth of Haul Surface

Apparatus and Rig used 10' Surface

Time towing – h. 25 m.

Remarks: No ~~sta.~~ ~~taken~~ bearings obtainable

Deck Officer Mr. Johnson Recorder [illegible]

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
___ M.	DOWN.	UP. ___ M.		___ M.	DOWN.	UP. ___ M.
			0	7	2400	5715
			20 ~~100~~	7	2500	5010
			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 ~~Hydrog.~~ No. 5605 Date, Nov. 16, 1909

Sdg. Mch. Lucas Reel Lucas Shot Lead lbs.

Turns 631 Cor'n +16 Depth 647 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom

Thermom. Make N.Z. No. 66658 Cor'n Instr. Stem.

Bottom Reading 82° Cor'd Temp.

Temp. Surf. 82° Time 9 53 82° Time 10 46 Air 81½° 85°

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. 29.89 Amt. of Clouds .8 State of Sea S

Weather

Direction and Force of Current. Surface Bottom

Tide

General Locality Dodepo Sd (W.) N 14° W; Walea Id (W) N 44 E; Tomini Gulf. (Celebes)

Position 0° 21' 33" N. 121° 34' 10" E

Chart used: No. BA 900 Ed'n Mch 01

Drift: Direction S 63 W Distance 1.7 mi.

Depth of Haul bottom.

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

Time towing h. 20½ m.

Remarks: Register after sounding wire was up registered -16. Net slightly torn on bag.

Deck Officer Mr. Johnson Recorder C. E. DeLong.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			a M. Down.			Up.	a M.	
9	21	00		33	40	0	9	51	40	11	18	40
	21	55		32	20	100		55	50		15	20
	22	45		31	30	200		59	30		12	20
	23	40		30	50	300	10	03	00		09	05
	24	35		30	05	400		06	10		05	55
	25	30		29	15	500		09	10	11	02	40
	26	30		28	20	600		12	20		59	25
9	26	45	9	27	50	~~631~~ ~~700~~		15	40		56	05
						800		19	10		51	30
						900		23	30		48	05
						950 ~~1000~~	10	25	20	10	45	50
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
Dodepo I (m)						3300	N 14 W					
						3400						
						3500	5.9 m					
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

93

Dredge / ~~Hydrog.~~ No. 5606 Date, Nov. 17, 1909

Sdg. Mch. Lucas Reel L Shot / Leads 65 lbs.

Turns 834 Cor'n Depth 834 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 30 y.

Character of Bottom Gn. M.

Thermom. Make N.B. No. 66638 Cor'n Instr. Stem.

Bottom Reading 82° Cor'd Temp.

Temp. Surf. 83° Time 9:20 A / 83° Time 10:30 A Air 83° / 82½°

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 29.87 Amt. of Clouds 4 State of Sea Sl.

Weather Cu.

Direction and Force of Current. Surface Bottom

Tide

General Locality Tomini Gulf.

Dodepeld (W) N. 3 W. Dulanglau Id.

Position Lat. 0°16'28" Long. 121°33'30"

Chart used: No. B.A. 900 Ed'n

Drift: Direction S. 29 E. Distance 2.5

Depth of Haul Bottom

Apparatus and Rig used 1½' Agassiz, 2 wing weights, 1 tail weight, 2 glass floats.

Time towing h. 20 m.

Remarks:

Deck Officer M. J. Lozard Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M.	Down.		Up.	A M.			A M.	Down.		Up.	A M.	
9	01	00	9	16	25	0	9	18	50	11	09	30
	02	10		15	25	100		22	50		06	10
	02	55		14	40	200		26	45		03	10
	03	40		13	55	300		30	10	11	00	20
	04	30		13	15	400		33	10		57	25
	05	20		12	30	500		36	00		54	30
	06	15		11	50	600		39	35		51	30
	07	15		11	00	700		43	10		48	40
	08	15		10	10	800		46	30		45	50
9	08	40	9	09	40	834 ~~900~~		50	20		42	55
						1000		54	00		39	50
						1100		57	40		36	10
						1200	10	02	30		31	55
						1300	10	07	00	10	27	00
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
(mid) n row						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
Dodepod (m)						3900	n 3 m.					
						4000	10.8 m					
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

96

Dredge ~~Hydrog.~~ No. 5607 Date, Nov. 18, 1909

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

Turns 761 Cor'n – Depth 761 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 1/6 oz

Character of Bottom fne S

Thermom. Make NB. No. 66658 Cor'n Instr. Stem.

Bottom Reading ~~80°~~ (?) Cor'd Temp.

Temp. Surf. 83° Time 9:22 a 83° Time 9:42 a Air 81° 81°

Density: Surf. fms.

Wind: Direction Variable Force 1

Baromet. 29.91 Amt. of Clouds 8 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Tomini Gulf, Celebes. Binang Unang I (E) S 36 E, Same (W) S

Position 0°04'00" S – 121°36'00" E

Chart used: No. BA 942a Ed'n –

Drift: Direction S 50 W Distance 1.5 m.

Depth of Haul Bottom

Apparatus and Rig used 12' Agassiz NR, 2 glass floats, 2 wing wts, 1 tail wt.

Time towing – h. 20 m.

Remarks:

Deck Officer Mr. Rohange Recorder Arnkil

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up. a M.				a M. Down.			Up. a M.		
8	17	15	8	31	50	0	8	38	20	10	17	35
	18	05		31	00	100		42	50		09	20
	19	00		30	20	200		46	55		06	40
	19	55		29	40	300		50	20		03	55
	21	05		29	00	400		53	55	10	01	10
	22	05		28	15	500		57	05		58	20
	23	10		27	30	600	9	00	30		55	35
	24	15		26	40	700		04	10		52	45
8	25	00	8	26	00	761 ~~800~~		07	45		49	55
						900		11	15		47	10
						1000		15	40		44	10
						1100	9	20	20	9	40	30
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
17 W.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
Binang Unang						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

98

Binang Unang I (E) S 36 E

5 m

Dredge ~~Hydrog.~~ No. 5608 Date, Nov 18, 1909

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

Turns 1089 Cor'n — Depth 1089 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 1/4 oz.

Character of Bottom gy. M.

Thermom. Make N.Z. No. 98246 Cor'n Instr. -7 Stem.

Bottom Reading 37° Cor'd Temp. 36.3

Temp. Surf. 82° Time 1:10 83° Time 3:00 Air 80° 81°

Density: Surf. fms.

Wind: Direction W. Force 3

Baromet. 29.86 Amt. of Clouds 10 State of Sea S

Weather Ø

Direction and Force of Current. Surface Bottom

Tide

General Locality Binang Unang Id Peak S 87° E, Mt Pinditi, N. Celebes N 7° W.; Tomini Gulf

Position 0° 08' 00" S 121° 19' 00" E

Chart used: No. B.A. 942a Ed'n

Drift: Direction S 40 W Distance 3.5 mi

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz, 2 glass floats, 2 side weights, 1 tail weight

Time towing h. 20 m.

Remarks:

Deck Officer Mr Johnson Recorder C.E. DeLong

11—1023

SOUNDING WIRE. P M. Down.		Up. P M.		FMS.	DREDGING CABLE. P M. Down.		Up. P M.	
12 36	30	12 35	10	0	1 03	00	3 21	30
37	30	35	25	100	06	05	18	15
38	35	34	45	200	10	35	15	25
39	25	34	05	300	14	45	12	30
40	15	33	25	400	18	25	09	50
41	10	33	40	500	22	55	06	30
42	05	33	00	600	26	20	03	20
43	00	32	15	700	30	00	3 00	10
44	05	31	30	800	33	20	2 56	50
45	20	30	45	900	37	00	52	00
46	45	30	20	1000	40	30	50	00
12 47	50	12 48	50	1050 ~~1100~~	44	40	47	15
				1200	48	30	44	00
				1300	51	50	40	00
				1400	55	30	36	50
				1500	2 00	10	32	30
				1550 ~~1600~~	2 02	10	2 30	10
				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

Bmang 2 Spuds

1876

19 m

Dredge ~~Hydrog~~ No. 5609 Date, Nov 18, 1909

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

Turns 1092 Cor'n — Depth 1092 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 4 oz

Character of Bottom Gn M

Thermom. Make N.Z. No. 98246 Cor'n Instr. -.7 Stem.

Bottom Reading 37° Cor'd Temp. 36.3

Temp. Surf. 83° Time 3:52 P 84° Time 5:25 P Air 83° 83°

Density: Surf. fms.

Wind: Direction N.W. Force 2-3

Baromet. 29.81 Amt. of Clouds 7 State of Sea S.

Weather bcm

Direction and Force of Current. Surface Bottom

Tide

General Locality Tomini Gulf.

Binang Unang Id. (N) N. 80 E. Punter Id.

Position Lat. 00° 11' 00" S Long. 121° 16' 00"

Chart used: No. BA. 942a Ed'n

Drift: Direction S. 39 E. Distance 2.0

Depth of Haul Bottom.

Apparatus and Rig used As before

Time towing h. 33 10 m.

Remarks:

Deck Officer Mr. Johnson Mr. Hazard Recorder C.E. DeLong H.W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			P. M. Down.			Up.	P. M.	
3	27	20	3	48	05	0	3	51	20	6	31	35
	28	15		47	05	100		55	50		28	20
	29	00		46	20	200		59	45		25	30
	29	50		45	35	300	4	03	50		22	30
	30	35		44	50	400		07	10		19	15
	31	25		44	00	500		11	00		15	40
	32	15		43	10	600		14	35		12	00
	33	10		42	20	700		18	00		08	20
	34	05		40	55	800		21	35		04	20
	35	05		40	10	900		25	40	6	00	30
	36	10		39	20	1000		29	20		56	00
3	37	10	3	38	20	1092 ~~1100~~		32	50		50	15
						1200		36	40		40	20**
						1300		41	20*		36	20
						1400		45	40		29	40
						1500		49	30		26	30
						1550 ~~1600~~	4	51	20	5	24	30
						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						

100

N. Celebes N. 33 E.

* At 5:31 stopped 2 minutes to adjust Dechwinch

** Stopped for hot box on BD.

Binang mangal (N) N 80 E

20.9 m

Dredge / ~~Hydrog.~~ No. 510 Date, Nov. 19, 1909

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

Turns ____ Cor'n ____ Depth ____ fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample ____

Character of Bottom ____

Thermom. Make N.B. Cor'n Instr. ____

No. 98246 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. ____ Ed'n ____

Drift: Direction ____ Distance ____

Depth of Haul ____

Apparatus and Rig used ____

Time towing ____ h. ____ m.

Remarks:

Sounding wire carried away just above Stray line when about to commence Sounding. Lost 35-lb Shot, Sounding Cup, Stray lead ~~and bottle~~ and Thermometer. Annulled Station number.

Deck Officer Mr. Johnson Recorder Antil

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.		M.		M.	Down.		Up.		M.
2	43	30				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 ~~Hydrog.~~ No. 5610. Date, Nov. 19, 1909

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

Turns 678 Cor'n Depth 678 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 4 oz.

Character of Bottom gy. M

Thermom. Make ~~N.B.~~ No. ~~66726.~~ Cor'n Instr. Stem.

Bottom Reading ~~40~~ 82.2° (?) Cor'd Temp.

Temp. Surf. 87° Time 4:57 p. 85° Time 5:20 p. Air 84° 84°

Density: Surf. fms.

Wind: Direction Variable Force 2

Baromet. 29.77 Amt. of Clouds 7 State of Sea S

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality Tomini Gulf, S. of Togian Id. Batu Daka (SW) N 87° W - Togo Besar I

Position 0° 36' 00" S - 122° 01' 00" E.

Chart used: No. B.A. 942a Ed'n —

Drift: Direction N 63 W Distance 2.0 m.

Depth of Haul Bottom

Apparatus and Rig used 12' Agassiz; 2 glass floats; 2 wing weights; 1 tailweight

Time towing — h. 26½ m.

Remarks:

Deck Officer Mr. Johnson Mr. Hazard. Recorder Arukit —

11—1023

SOUNDING WIRE. P.M. Down.		Up. P.M.		FMS.	DREDGING CABLE. P.M. Down.		Up. P.M.	
3 53	50	4 05	40	0	4 09	55	5 50	25
53	40	04	40	100	14	00	46	50
54	30	03	50	200	18	00	43	50
55	15	03	05	300	22	00	40	40
56	10	02	25	400	25	35	37	30
57	00	01	40	500	29	15	34	20
58	00	4 00	55	600	33	40	31	10
3 58	50	3 59	50	678 700	37	25	28	00
				800	41	10	24	25
				900	45	50	20	40
				1000	4 50	00	5 16	30
				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				

(mid) N 2 E.

~~Batud~~

Batu Dakad (S) N 87 W

20.9 m

53.

7 - 40
3.30
20
3.50

34.75
6 50
27.25

2240
~~110. 960~~
109 3200
8 - 1500
1700

p-tropod

13.25
11.45
2.20

6:20
5.35
85

12.00
1.25
11 75 | 60
1
15

970 b