No 13
5611
5654

507

Dec 10 Next Hydrographic # 4936

Dredge / ~~Hydrog.~~ No. 5611 Date, Nov. 19, 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. 84° Time 7:12p / 84° Time 7:35p Air 83° / 83°

Density: Surf. _____ fms. _____

Wind: Direction East Force 2

Baromet. 29.82 Amt. of Clouds 8 State of Sea S

Weather bem

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

General Locality Tomini Gulf, S. of Togian I Buka I (E) S 43 W - Tanpan I (mid)

Position 0 40 30 S - 121 50 00 E.

Chart used: No. BA 942a Ed'n —

Drift: Direction — Distance —

Depth of Haul Surface.

Apparatus and Rig used 10' Inter.; double cone; towing to 20 fms. wire.

Time towing — h. 20 m.

Remarks: No sdg. taken.

Deck Officer Mr. Rohange Recorder Antil -

11—1023

SOUNDING WIRE. ____ M. DOWN.	SOUNDING WIRE. UP. ____ M.	FMS.	DREDGING CABLE. ____ M. DOWN.	DREDGING CABLE. UP. ____ M.
		0	7 12 00	7 34 10
		20 ~~100~~	7 13 30	7 32 30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
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		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

1023

N 70 W

Buki 2 (E) 843 m

6.4 m

Dredge / Hydrog. No. 5612 Date, Nov 20, 19 9

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

Turns 750 Cor'n — Depth 750 fms.

Sdg. Cup Sigsbe Amt. Bot'm Sample —

Character of Bottom —

Thermom. Make NB No. [illegible] Cor'n Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 6:45 / 83° Time 7:45 Air 80° / 80½°

Density: Surf. fms.

Wind: Direction Various Force 0 - 1

Baromet. 29.85 Amt. of Clouds 9 State of Sea S

Weather bcz ptl

Direction and Force of Current. Surface Bottom

Tide

General Locality Tomini Gulf S of Tagaen Id. Buka Id. (E) S 3 E. Cape Api, N.W.

Position Lat 00° 38' 00" S. Long 121° 45' 40"

Chart used: No. BA 942 A Ed'n

Drift: Direction S. 5 E Distance 1.5

Depth of Haul Bottom.

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

Time towing h. 2 20 m.

Remarks: Thermometer, 70 fath wire, strag line & lead, and sounding cup lost

Deck Officer Mr Rohange Mr. Johnson Recorder C. E. De Long H. W. Crider.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			a M. Down.			Up.	a M.	
5	57	20	6	26	50	0	6	35	10	8	29	30
	58	10		25	20	100		39	35		24	45
	59	00		24	30	200		43	30		21	40
	59	50		23	40	300		46	50		18	30
6	00	45		23	05	400		51	10		15	00
	01	40		22	20	500		55	15		10	50
	02	40		21	40	600		58	50		06	35
	03	40		19	05	700	7	02	10	8	02	25
× 6	04	15	6	20	10	750 800		05	40		58	25
						900		09	35		54	40
						1000		13	50		51	15
						1100		17	40		47	10
						1200	7	21	30	7	43	30
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
S 44 W.						2500						
× Let wire out						2600						
to get kink out						2700						
(900 fath)						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
Bukad (E)						3400	S 3 E					
						3500						
						3600	7. m					
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

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Dredge / Hydrog. No. 5643 Date, Nov. 20, 19

Sdg. Mch. Lucas Reel 8 Shot / Lead 35 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time / Time Air

Density: Surf. fms.

Wind: Direction Force

Baromet. 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 Recorder

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
	M.	Down.		Up.		M.		M.	Down.		Up.	M.
*	9	40	00	9	42	30	0					
	9	40	20	9	41	20	10 ~~100~~					
							200					
							300					
*	9	50	30	9	53	0	400					
	9	51	20	9	52	5	59 500					
		Hand					600					
*	9	56	00	9	01	0	700					
	9	57	30	9	57	10	83 800					
		Hand					900					
*	9	46	20	9	49	0	1000					
	9	46	50	9	47	10	50 1100					
							1200					
							1300					
							1400					
*	no	bottom					1500					
							1600					
							1700					
							1800					
							1900					
							2000					
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							3900					
							4000					
							4100					
							4200					
							4300					
							4400					
							4500					
							4600					
							4700					
							4800					
							4900					

Dredge / ~~Hydrog.~~ No. 5613 Date, Nov. 20, 1909

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

Turns 752 Cor'n Depth 752 fms.

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

Character of Bottom Gy M

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84 Time 10:27 A / 85 Time 11:23 A Air 84½° / 86°

Density: Surf. fms.

Wind: Direction Variable Force 0-1

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

Weather Hz

Direction and Force of Current. Surface / Bottom

Tide

General Locality Tomini Gulf, S of Togian Id. Buka I (E) S28E - Cape Api (NW) S50W.

Position 0°42' S - 121°44' E.

Chart used: No. 942a BA Ed'n —

Drift: Direction N20E Distance 1.8 m.

Depth of Haul Bottom

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

Time towing h. 1 9½ m.

Remarks:

Deck Officer Mr. Johnson Recorder Hurcrider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up.	A M.			A M. Down.			Up.	AM-P M. and Mor.	
10	06	00	10	23	50	0	10	26	15	12	26	00
	07	40		22	10	100		30	15		22	50
	08	45		21	20	200		34	20		19	30
	10	00		20	30	300		38	10		16	20
	11	10		19	50	400		41	40		13	00
	12	20		19	00	500		45	30		09	10
	13	30		18	20	600		49	20		05	20
	14	45		17	20	700		53	00	12	01	30
10	15	30	10	16	45	752 800		56	45		57	25
						900	11	00	30 *		52	40
						1000		04	30		40	40
						1100		09	15		36	45
						1180 1200	11	13	40	11	32	50
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

* Stopped 7½ minutes to oil & cool Hot box. on outer end of boom

106

Buka I (E) S 28 E

4 m

Dredge ~~Hydrog.~~ No. ~~5614~~ Date, Nov. 22, 1909

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

Turns Cor'n Depth fms.

Sdg. Cup Lucas Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time / Time Air

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current. Surface / Bottom

Tide

Sounding

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Hands of register pressed against dial breaking same & stopping hands. Hove in again

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

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. DOWN.		UP.	M.		___ M. DOWN.		UP.	___ M.
6	16 30			0				
	17 50			100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
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				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge ~~Hydrog.~~ No. 5614 Date, Nov 22, 1909

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

Turns 1100 Cor'n — Depth 1100 fms.

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

Character of Bottom gy M.; S; glob.

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 84° Time 7.10 Time 8.10 A Air 82° 83½°

Density: Surf. — fms. —

Wind: Direction North Force 3

Baromet. 29.89 Amt. of Clouds .6 State of Sea S

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality Molucca Passage Mt. Klabat, N. 46 W. Tifori Id

Position Lat. 00° 31' 00 N. Long. 125° 58' 45"

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

Drift: Direction N.W.? Distance 1.5 ?

Depth of Haul Bottom

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

Time towing h. 12 m.

Remarks: Shot failed to detach.

One bridle strap carried away and net very badly torn.

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

" Roliange H.W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up. a M.				a M. Down.			Up. a M.		
6	29	00	6	59	30	0	7	04	30		56	30
	30	10		57	30	100		09	10		53	25
	31	15		55	50	200		13	00		50	30
	33	20		54	30	300		16	30		47	50
	34	35		53	20	400		19	50		45	10
	35	50		52	15	500		22	40		42	30
	37	10		51	05	600		26	00		39	50
	38	25		49	50	700		29	10		37	00
	39	45		48	50	800		32	30		34	00
	41	10		47	45	900		36	20		30	50
	42	30		46	45	1000		40	15		27	45
6	44	05	6	45	30	1100		44	05		25	10
						1200		47	35		21	20
						1300		51	20		18	00
						1400		55	40	*	14	00
						1450 1500	7	57	35	*8	09	35
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
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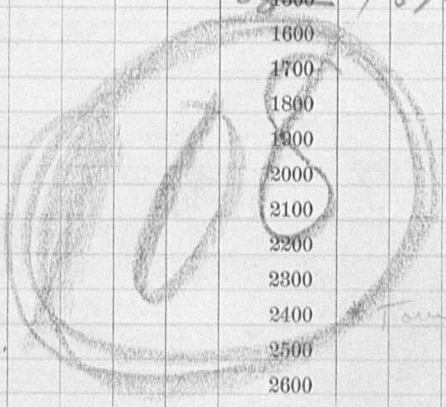
						4800						
						4900						



08

n. 19 E.

* Towed 2 minutes

Tifoid

N 19 E

30.5

Dredge / ~~Hydrog.~~ No. 5215 Date, Nov. 22, 1929

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

Turns 1021 Cor'n Depth 1021 fms.

Sdg. Cup Lucas Amt. Bot'm Sample Trace

Character of Bottom G.

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

Bottom Reading — Cor'd Temp.

Temp. Surf. { 84° Time 2:38 p. / 84° Time 3:00 p. } Air { 84° / 83° }

Density: Surf. fms.

Wind: Direction NNE Force 2-3

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

Weather Fc

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Moluccas Passage.
Ternate Id. peak N 73° E - Tifori Id. N 40° W

Position 0°32'30" N - 126°31'30" E.

Chart used: No. BA 942 Ed'n —

Drift: Direction SW (?) Distance 1.5 (?)

Depth of Haul Bottom.

Apparatus and Rig used 12 Agassiz; 2 glass floats; 2 wire weights; 1 trident.

Time towing — h. 20 m.

Remarks: Sounding wire fouled on reel when leaving inc. Veered out at 1:25 to clear. Register did not record out going out. - "Stray line" at 1:34.

Deck Officer Mr. Johnson Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.	M.			M.	Down.		Up.	M.	
1	04	25	1	34	10	0	1	38	45	3	40	20
	05	40		—	—	100		43	20		37	10
	06	50		25	00	200		47	20		34	20
	08	00		24	10	300		50	50		31	30
	09	10		23	15	400		54	30		28	35
	10	10		22	25	500		58	25		25	40
	11	25		21	45	600	2	01	45		22	40
	12	35		21	00	700		06	00		19	30
	13	45		20	15	800		09	55		16	45
	15	00		19	30	900		14	00		14	00
	16	10		18	40	1000		18	00		11	25
1	16	25	1	18	20	1020/1100		21	55		08	40
						1200		26	00		05	55
						1300		30	25	3	02	55
						1400		34	30		57	35
						14.50 ~~1500~~	2	36	50	2	57	20
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
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						4000						
						4100						
						4200						
						4300						
						4400						
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						4700						
						4800						
						4900						

Tyford

Ch 4 Ch

3 5 m

Dredge / Hydrog. No. 5616 Date, Nov 22, 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. 84° Time 6:45 / 84 Time 7:00 Air 80° / 80°

Density: Surf. fms.

Wind: Direction Various Force 0 – 1

Baromet. 29.88 Amt. of Clouds 8 State of Sea S

Weather bc.

Direction and Force of Current. Surface / Bottom

Tide

General Locality Molucca Passage

Position 0° 36' 00" N. 126° 52' 20" E.

Chart used: No. 942a Ed'n

Drift: Direction — Distance —

Depth of Haul 20 to 30 faths.

Apparatus and Rig used 10' Intermediate, double cone with 60 fath wire

Time towing h. 15 m.

Remarks:

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

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
P. M.	Down.	Up.	P. M.		P. M.	Down.		Up.	P. M.	
				0	6	41	30	7	04	10
				50 ~~100~~	6	42	50	7	01	50
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
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				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

110

Lifted

2 67 M

49 m

Dredge ~~Hydrog.~~ No. 5617 Date, Nov. 27th, 1909

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

Turns 131 Cor'n Depth 131 fms.

Sdg. Cup Lucas Amt. Bot'm Sample None

Character of Bottom None

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 10:50 A 84° Time 11:11 A Air 84° 84°

Density: Surf. fms.

Wind: Direction Variable Force 1-0

Baromet. 29.85 Amt. of Clouds 2.0 State of Sea S.

Weather Cu.

Direction and Force of Current. Surface Bottom

Tide

General Locality Dodinga Bay, Celebes. Ternate Id (N. tan.) N. 71 W. Ternat

Position Lat. 00° 49' 30" N Long. 127° 25' 30"

Chart used: No. BA942A Ed'n

Drift: Direction N. 71 W Distance 1.0

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: * Shot did not detach.

Deck Officer Mr. Johnson Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up.		A. M.		A. M. Down.			Up.		A. M.
10	40	40	10	45	25	0	10	50	30	11	18	15
	42	00		44	15	100		54	30		15	00
10	42	25	10	43	50	13 ~~200~~	11	00	45	11	10	45
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

112

2d (S.E. tan) S 45° W

Terminate d (A) SE

S 45° W

~~N 71° W~~

7 m

~~Dredge~~ Hydrog. No. 4934 Date, Nov. 27th, 1909

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

Turns 174 Cor'n Depth 139 fms.

Sdg. Cup Arming Amt. Bot'm Sample Trace

Character of Bottom S. Lav.

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 Dodinga B., Celebes Ternate I (N) N 80 W Ternate I (SE)

Position 0-51'-00" N 127-25-10 E

Chart used: No. 942a Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used ~~As before~~

Time towing h. m.

Remarks:

Deck Officer Mr. Johnson Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	DOWN.		UP.		M.		M.	DOWN.		UP.		M.
11	35	40	11	41	50	0						
	36	20		39	20	100						
11	37	10	11	37	30	174 ~~200~~						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
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						2200						
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						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

114

Sounding Wire

Tended to 3600 fms

7,8 m

Dredge ~~Hydrog.~~ No. 5618 Date, Nov. 27, 1909

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

Turns 417 Cor'n — Depth 417 fms.

Sdg. Cup Lucas Amt. Bot'm Sample 1 oz

Character of Bottom gy M

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 84° Time 2:45p 84° Time 3:00p Air 82° 80°

Density: Surf. fms.

Wind: Direction SW by W Force 3

Baromet. 29.79 Amt. of Clouds 8 State of Sea S.

Weather Fog.

Direction and Force of Current. Surface Bottom

Tide

General Locality Molucca Passage. Mailara Id. (N) N40E – March Id

Position 0°37'N – 127°15'E.

Chart used: No. BA 942a Ed'n —

Drift: Direction S13W Distance 2.0 m.

Depth of Haul Bottom.

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

Time towing — h. 20 m.

Remarks:

Deck Officer Mr. Hazard Recorder Arutil –

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
2	02	40	2	12	50	0	2	16	00	3	23	30
	03	45		11	55	100		20	15		20	35
	04	55		10	50	200		24	25		17	30
	06	10		10	00	300		28	40		14	30
	07	15		09	10	400		33	15		11	25
2	07	25	2	08	25	417 500		37	25		08	30
						600		42	25		05	05
						625 ~~700~~	2	43	35	3	04	00
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
(S) S 69 E.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
(March 1						3700	S 69 E					
						3800	7.8 m					
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge ~~Hydrog.~~ No. 5619 Date, Nov 27, 1929.

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

Turns 435 Cor'n — Depth 435 fms.

Sdg. Cup Lucas Amt. Bot'm Sample Trace

Character of Bottom fine gy S M

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 84° Time 4 p. 84° Time 4:42 Air 83° 77°

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 29.78 Amt. of Clouds 9 State of Sea S

Weather Cpt'l

Direction and Force of Current. Surface Bottom

Tide

General Locality Molucca Passage.
Maitera I (N) N 33 E - March I (S)

Position 0°35'N - 127°14'40" E.

Chart used: No. BA 942a Ed'n —

Drift: Direction S 22 E Distance 1.8 m.

Depth of Haul Bottom

Apparatus and Rig used As before.

Time towing h. 29 m.

Remarks:

Deck Officer Mr. Hazard Recorder Arutil -
Mr. Rohange C.E.D. Long.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
3	30	30	3	40	40	0	3	44	10	4	39	20
	31	50		39	45	100		46	25		36	20
	32	55		39	00	200		47	30		35	35
	34	05		38	15	300		56	30		30	45
	35	15		37	30	400	4	01	00		48	20
3	35	40	3	2)	00	425		04	30		45	40
						600		10	00		42	05
						650 ~~700~~	4	12	25	4	41	30
						800						
						900						
						1000						
						1100						
						1200						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

116

S 78 E.

March 2(5)

S 78 E

7 m

Dredge / Hydrog. No. 5620 Date, Nov. 28, 1909

Sdg. Mch. Lucas Reel L Shot / Lead ~~35~~ 60 lbs.

Turns 358 Cor'n Depth 358 fms.

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

Character of Bottom Gy. M

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

Bottom Reading Cor'd Temp.

Temp. Surf. 82° Time 6:04 A / 83 Time 7:00 A Air 80° / 79½°

Density: Surf. fms.

Wind: Direction N. W Force 3 - 2

Baromet. 29.85 Amt. of Clouds 10. State of Sea S.

Weather ap

Direction and Force of Current. Surface / Bottom

Tide

General Locality Molucco Passage, Celebes Malayan Id. (N. tan) N. 85 E.

Position Lat 0 21' 30 N. Long. 127° 16' 45"

Chart used: No. 942 A Ed'n

Drift: Direction South Distance 1.0

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:

Deck Officer Mr Johnson Recorder Hewcinder

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up.	A M.			A M. Down.			Up.	A M.	
5	44	00	*5	55	00	0	6	03	30	7	01	30
	45	00		53	20	100		07	30		58	20
	46	15		52	20	200		11	40		55	10
	47	25		51	20	300		15	40		51	50
5	48	10	5	50	40	35.8 400		19	30		48	25
						500	6	24	00	6	44	30
						600						
						700						
						800						
						900						
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						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

* Shot did not detach.

117

44

Makyan Id (Stan) S44E.

Makyan Id (S) S44E

7 m

Dredge ~~Hydrog.~~ No. 5621. Date, Nov. 28, 1909.

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

Turns 298 Cor'n — Depth 298 fms.

Sdg. Cup Lucas Amt. Bot'm Sample None.

Character of Bottom hrd. *

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 84° Time 9:50 a. 84° Time 10:11 a. Air 81° 81°

Density: Surf. fms.

Wind: Direction NNW Force 3-4

Baromet. 29.89 Amt. of Clouds 7 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Bet ~~Gillolo~~ & Makyan Is ~~Molucca Passage E'n part.~~

Makyan Id. (S). N54W - Dito (E) N10E.

Position 0°15'N - 127°24'35" E.

Chart used: No. 942a BA Ed'n —

Drift: Direction S28E Distance 1.2 m.

Depth of Haul Bottom.

Apparatus and Rig used 12' Agassiz; mudbag; 2 floats; usual 3 weights.

Time towing — h. 20 m.

Remarks: * gy & bk S in mudbag - bag full.

Deck Officer Mr. Hazard Recorder Arnkil -

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up. A M.				A M. Down.			Up. A M.		
9	17	05	9	25	00	0	9	27	50	10	29	30
	18	35		24	55	100		32	10		25	30
	19	40		23	10	200		36	30		22	00
9	20	50	9	22	20	298 300		40	30		18	30
						400		45	10		14	45
						500	9	50	00	10	10	00
						600						
						700						
						800						
						900						
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						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
Makyan I (S)						3400	N 54 W					
						3500	3 m					
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

119

Dredge ~~Hydrog.~~ No. ~~7~~ 5622 Date, Nov 29, 1909

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

Turns 275 Cor'n — Depth 275 fms.

Sdg. Cup Lucas Amt. Bot'm Sample trace.

Character of Bottom gy m.

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 83° Time 7:45 A. 83° Time 8:24 A. Air 80° 80½°

Density: Surf. — — fms. —

Wind: Direction East Force 1-2

Baromet. 29.85 Amt. of Clouds 9 State of Sea S

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

~~Bet Gillolo~~ & Makyan Is

General Locality ~~Molucca Passage Eastern Part.~~ Makyan (R. Tangt) N. 66 W. Makyan

Position Lat. 0 19' 20" N. Long. 127° 28' 30"

Chart used: No. BA942A Ed'n

Drift: Direction S. 10 E. Distance 1.

Depth of Haul Bottom.

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

Time towing h. 21 m.

Remarks:

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

M. Hazard H.W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
@ M.	Down.		Up.	@ M.			@ M.	Down.		Up.	@ M.	
7	32	10	7	37	20	0	7	45	00	8	36	60
	33	15		36	40	100		49	20		33	40
	34	35		37	40	200		53	50		30	30
7	35	35	7	37	00	275 300		57	80		27	30
						400	8	03	00	8	24	00
						500						
						600						
						700						
						800						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Sept Two places

Id (S. Tangt) S 69 W

(Makyan Id (NE) N 66 W

4.1 mi

Dredge ~~Hydrog.~~ No. 5623 Date, Nov. 29th, 1909

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

Turns 272 Cor'n Depth 272 fms.

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

Character of Bottom Fne. S. Mud.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 9:05 A 83° Time 9:43 A Air 80½° 81°

Density: Surf. fms.

Wind: Direction East Force 1

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

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

~~Bet Gill & Mak~~

General Locality ~~Molucca Passage, Eastern Part~~ Malayan Id. (R. Tang) N. 46 W.

Position Lat. 0 16' 30 N. Long. 127° 30' 00"

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

Drift: Direction South Distance 1.

Depth of Haul Bottom

Apparatus and Rig used As before except no mud bag.

Time towing h. 20 m.

Remarks:

Deck Officer Mr. Hazard Recorder H. W. Snider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up.		A. M.		A. M. Down.			Up.		A. M.
8	53	15	8	59	40	0	9	05	15	9	55	30
	54	15		58	40	100		09	25		52	20
	55	20		57	50	200		13	50		49	00
8	56	00	8	57	00	272 ~~300~~		17	50		46	00
						400	9	22	40	9	42	40
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
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						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
Makyan Id. (S. Tangt)						2500	S 88 W.					
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
Makyan I(S)						3200						
						3300	S 88 W					
						3400						
						3500						
						3600						
						3700	7, 5 m					
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. [illegible] Date, Nov. 29th, 1909

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

Turns ____ Cor'n ____ Depth ____ fms.

Sdg. Cup Lucas Amt. Bot'm Sample ____

Character of Bottom ____

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. ____ Time ____ ____ Time ____ Air ____

Density: Surf. ____ fms. ____

Wind: Direction ____ Force ____

Baromet. ____ 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: * Shot detached.

Deck Officer Mr Hazard Recorder H. W. Cuder

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.	Down.		Up.	A. M.			---- M.	Down.		Up.		---- M.
10	21	40	10	23	00	0						
10	21	55	10	22	00	32 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						2900						
						3000						
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						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5624 Date, Nov. 29th, 1909

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

Turns 288 Cor'n Depth 288 fms.

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

Character of Bottom f n c S. Mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 10:40 A / 83° Time 11:20 A Air 83° / 83°

Density: Surf. fms.

Wind: Direction Variable Force 1

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

Weather bcz

Direction and Force of Current. Surface / Bottom

Tide

~~Bet Gilo Mak Is~~

General Locality ~~Molucca Passage, Eastern Part~~ Malayan Id (L. Tang) N. 65 W. Kayao Id

Position Lat. 0 12' 15" N. Long 127° 29' 30"

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

Drift: Direction S. 15 E. Distance 1.5 m.

Depth of Haul Bottom

Apparatus and Rig used As before minus mud bag.

Time towing h. 20 20 m.

Remarks:

Deck Officer Mr Hazard Recorder H. W. Cuider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.		---- M.		a M. Down.			Up.		---- M.
10	27	25	10	35	30	0	10	38	40	11	33	05
	28	30		34	20	100		43	05		30	05
	29	40		33	25	200		47	25		26	55
10	30	50	10	32	25	288 ~~300~~		51	20		23	30
						400		55	50		20	20
						450 ~~500~~	10	58	00	11	18	20
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
Id. (R.T.) S 5 3 W.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
Makyan						3700	(S)					
						3800						
						3900						
						4000	8. 9 m					
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge ~~Hydrog.~~ No. 5625 Date, Nov. 29, 1909

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

Turns 230 Cor'n — Depth 230 fms.

Sdg. Cup Lucas Amt. Bot'm Sample 1 oz.

Character of Bottom gy M. fine S.

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 84° Time 2:17 p. 84° Time 2:38 p. Air 83° 82.5°

Density: Surf. fms.

Wind: Direction WNW Force 2

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

Weather Vis

Direction and Force of Current. Surface Bottom

Tide

General Locality ~~Bet Sillolo~~ & Kayoa Is ~~Molucca Passage, Eastern Part~~ Koyoa Id, (Rt) N 73 W - Same, (Lt) S 3 W.

Position 0°07' N - 127°28' E.

Chart used: No. 942a B.A. Ed'n —

Drift: Direction S 5 W Distance 1.8 m.

Depth of Haul ~~Bottom~~

Apparatus and Rig used 12' Agassiz; 2 floats; 3 trimming weights.

Time towing — h. 21 m.

Remarks:

Deck Officer Mr. Rohange Recorder Frukil

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M. Down.		Up.	P.	M.		P.	M. Down.		Up.	P.	M.
1	47	00	1	53	10	0	1	58	35	2	52	20
	48	00		52	10	100	2	03	00		49	00
	49	00		51	10	200		07	05		45	25
1	49	20	1	50	40	230 300		11	05		41	45
						400	2	16	00	2	37	00
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
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						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
Kayoad (86)						3700	S 3 M					
						3800						
						3900	6 m					
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

125

Dredge ~~Hydrog.~~ No. 5626 Date, Nov. 29, 1909

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

Turns 265 Cor'n — Depth 265 fms.

Sdg. Cup Lucas Amt. Bot'm Sample 3/4 oz.

Character of Bottom gy M fine S

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 84° Time 3:35p. 84° Time 3:53p Air 84° 84.5°

Density: Surf. fms.

Wind: Direction WNW Force 2

Baromet. 29.79 Amt. of Clouds 5 State of Sea S

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality ~~Bet Gill & Kayoa Is~~ ~~Kayoa Is (R.T.) N 77° W. Kayoa~~ (L.T.) S 5° W; ~~Molucca Passage Eastport~~

Position 0° 07' 30" N. 127° 29' 00" E.

Chart used: No. 942a B.A. Ed'n —

Drift: Direction W. Distance 1.0 mi.

Depth of Haul Bottom.

Apparatus and Rig used As before.

Time towing — h. 18 m.

Remarks:

Deck Officer Mr. Rohange Recorder [illegible]

Mr. Johnson C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.		M.		M.	Down.		Up.		M.
3	07	00	3	13	10	0	3	17	15	4	08	10
	07	50		12	10	100		22	05		04	55
	08	50		11	30	200		26	10	4	01	00
3	09	30	3	10	25	265 300		29	55		57	45
						400		33	50		53	35
						415 500	3	34	30	3	52	50
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						1500						
						1600						
						1700						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

1910

Bayard (Bay) 5 Ch
5.2 m
6.7 m

Dredge / ~~Hydrog.~~ No. 5627 Date, Nov 29-30, 1909

Sdg. Mch. Hand lead Reel — ~~Shot~~ / Lead 14 lbs.

Turns — Cor'n — Depth 22 fms.

Sdg. Cup — Amt. Bot'm Sample —

Character of Bottom M.

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 83° Time 6p, 29th / 83° Time 6a, 30th Air 83° / 80°

Density: Surf. fms.

Wind: Direction Variable Force 0-2

Baromet. 29.82-83 Amt. of Clouds 9-10 State of Sea S.

Weather bcw, bcp, otlw, ow, bcp & bcw

Direction and Force of Current. Surface Bottom

Tide ebbing until 4:00 am, Nov. 30, when flood ~~[illegible]~~ Bet Gill & Koyoa Is

General Locality N 42 E. Lt S 15 E

Koyoa Id, r.t. ~~NE¼N - l.t. S by E ½ E~~

Position 6' 00 N 127-26-00 E

Chart used: No. BA 942a Ed'n —

Drift: Direction — Distance —

Depth of Haul 5 fms below surface.

Apparatus and Rig used 10' Inter., double cone towing to 10 fms. wire.

Time towing 11 h. 40 m.

Remarks: Haul was taken at anchorage off NE end of Koyoa Id.

Deck Officer Mr. Hazard Recorder C. E. [illegible]

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
							Nov 29			Nov 30		
___ M.	Down.		Up.	___ M.			P M.	Down.		Up.	am M.	
						0	6	00	00	5	40	00
						100	6	02	00	5	37	00
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						2700						
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						3000						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

127

Kayoa I (SE) S 15 E

1.5 m

Dredge ~~Hydrog.~~ No. 5628 Date, Nov. 30th, 1909

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

Turns 1291 Cor'n Depth 1291 fms.

Sdg. Cup Lucas Amt. Bot'm Sample None

Character of Bottom gy. II (in net)

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 84° Time 12:45 p. 84° Time 1:05 p. Air 86° 86°

Density: Surf. fms.

Wind: Direction Variable Force 1-2-3

Baromet. 29.83 Amt. of Clouds 5 State of Sea S

Weather Vez

Direction and Force of Current. Surface Bottom

Tide

General Locality ~~Patiente St. & southward~~ ~~Molucca Passage Patiente Strait~~

St Lamo I (r.t.) N 9 W - Latan I (m.) N

Position 0°28'30" S - 127°45' E.

Chart used: No. 942a B9 Ed'n —

Drift: Direction S 20 E Distance 2.5 m.

Depth of Haul Bottom.

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

Time towing — h. 20 m.

Remarks: * Strain line carried away —

One trickle stop carried away in haul.

Deck Officer Mr. Rabauge Recorder H. W. Cuider

Mr. Johnson Sturkit —

11—1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
M.	Down.		Up.	M.		M.	Down.		Up.	M.
11	06	40	11	35	50	0	11	38	25	20	07	20
	07	35		34	10	100		42	30		03	55
	08	45		33	10	200		46	45	2	01	15
	10	00		32	15	300		50	45		58	20
	11	10		31	30	400		54	25		55	10
	12	25		30	45	500		57	55		52	15
	13	40		29	55	600	12	01	55		49	25
	15	00		29	00	700		05	30		46	35
	16	25		28	05	800		09	25		43	30
	17	35		27	10	900		12	55		40	20
	18	40		26	10	1000		16	00		36	50
	19	55		25	10	1100		19	15		33	20
	21	00		24	10	1200		22	50		30	00
11	22	00	11	23	00	1291/1800		26	40		26	30
						1400		30	40		22	40
						1500		34	05		18	55
						1600		38	10		14	40
						1700		41	45		10	30
						1800	12	45	00	1	05	25
						1900						
						2000						
						2100						
						2200						
						2300						
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						2500						
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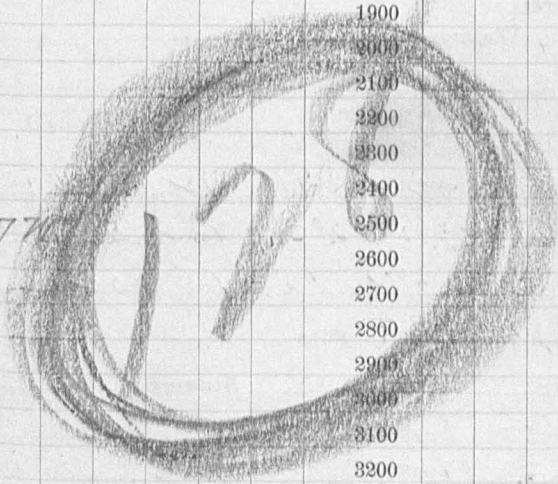
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						



St Lamo I (SE) 2 9 M

7 m

Dredge / ~~Hydrog.~~ No. 5629 Date, Dec 2, 1909

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

Turns 205 Cor'n — Depth 205 fms.

Sdg. Cup Lucas Amt. Bot'm Sample trace

Character of Bottom Co. S.

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 83° Time 6:30 / 83° Time 6:46 Air 80° / 80°

Density: Surf. — — fms. —

Wind: Direction Variable Force 0-1

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

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

~~Patiente Strait~~

General Locality Dowarra Id (LT) S 62 W.; Gulolo Id. (Lt) S 32° E.; ~~[illegible]~~

Position 0° 50' 00" S. 128° 12' 00 E.

Chart used: No. 942 BA Ed'n —

Drift: Direction — Distance —

Depth of Haul bottom.

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

Time towing h. 2 m.

Remarks: Runner of dredging frame badly bent. Lead rope broken and both bridle stops carried away

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

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			a M. Down.			Up.	a M.	
6	12	40	6	17	10	0	6	26	00	6	58	00
	13	30		16	15	100		30	40		55	10
	14	20		15	15	200		34	45		52	15
6	14	25	6	15	10	205 ~~300~~		39	15		49	00
						400	6	43	20	6	45	20
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						1600						
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						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
~~[illegible]~~						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
Dowarra I (S) S 62 W						3700						
						3800						
						3900						
						4000	6 m					
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

130

Dredge / ~~Hydrog.~~ No. 5630 Date, Dec. 2nd, 1909

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

Turns 569 Cor'n Depth 569 fms.

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

Character of Bottom Co. S. M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84 Time 9:03 A / 85 Time 10:00 A. Air 81½° / 82

Density: Surf. fms.

Wind: Direction W.N.W Force 2.

Baromet. 29.83 Amt. of Clouds 6 State of Sea S.

Weather bcz.

Direction and Force of Current. Surface / Bottom

Tide

General Locality ~~Malvaco Passage, S.E. Bachia~~ Patient Strait Domarra Id. (L.T.) N. 3° W. Islet

Position Lat. 0 56' 30" S Long. 128° 05' 00"

Chart used: No. BA 942A Ed'n

Drift: Direction SSW/SSW Distance 1.8

Depth of Haul Bottom.

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

Time towing h. 23 50 m.

Remarks:

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.	
8	47	00	8	58	00	0	9	02	15	10	29	30
	47	50		57	10	100		06	30		26	30
	48	30		56	25	200		10	20		23	15
	49	15		55	35	300		14	10		19	40
	50	10		54	45	400		18	00		16	20
	51	00		53	55	500		21	30		12	50
8	51	45	8	53	05	569 ~~600~~		25	20		09	30
						700		29	20		06	15
						800		33	55		03	00
						860 ~~900~~	9	36	50	10	01	00
						1000						
						1100						
						1200						
						~~1300~~						
						~~1400~~						
						1500						
						~~1600~~						
						~~1700~~						
						1800						
						~~1900~~						
						~~2000~~						
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						2800						
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						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

132

ld.
no name) n. 60 E

Dowonrad (?) N 3 W

4, 5 m

Dredge / Hydrog. No. 5631 Date, Dec. 2d, 1909.

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

Turns 809 Cor'n – Depth 809 fms.

Sdg. Cup Lucas Amt. Bot'm Sample lots in net.

Character of Bottom gn TT (in net)

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

Bottom Reading – Cor'd Temp.

Temp. Surf. 86° Time 2:18 p. 86° Time 2:38 p. Air 84.5° 85°

Density: Surf. fms.

Wind: Direction Variable Force 2 – 0

Baromet. 29.75 Amt. of Clouds 4 State of Sea S

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

Patient Strait

General Locality ~~Hohman Passage~~ SW of Bachian Doworra I (lt) N 58° E – Bachian I (rt) N

Position 0°57' ~~30~~" S – 127°56' E.

Chart used: No. 942a B A Ed'n –

Drift: Direction N by W Distance 1.5 m.

Depth of Haul Bottom.

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

Time towing – h. 20 m.

Remarks: Lanyard of sdg. cup parted and sdg. cup lost.

Deck Officer Mr. Rohange Recorder Arnkil –

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			P. M. Down.			Up.	P. M.	
1	03	35	1	21	05	0	1	25	50	3	11	30
	04	35		20	00	100		29	55		08	40
	05	35		18	35	200		34	00		05	50
	06	35		17	45	300		37	40		03	00
	07	30		17	00	400		41	20	3	00	00
	08	30		16	10	500		45	00		57	15
	09	30		15	20	600		49	35		54	30
	10	35		14	25	700		55	00		51	25
	11	40		13	25	800		59	25		48	25
1	11	50	1	13	20	809 900	2	04	00		45	25
						1000		08	25		42	25
						1100		13	40		38	40
						1150 1200	2	16	05	2	36	15
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
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						2700						
						2800						
						2900						
						3000						
						3100						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

133

d.
11 W.

Dowonad (n) n 58 E

10.5 m

Dredge ~~Hydrog.~~ No. 5632 Date, December 2, 1909

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

Turns 845 Cor'n — Depth 845 fms.

Sdg. Cup Lucas Amt. Bot'm Sample plentiful

Character of Bottom gn M.

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 85° Time 4:30 84° Time 5:56 Air 83½° 83°

Density: Surf. — fms. —

Wind: Direction Variable Force 0 —

Baromet. 29.70 Amt. of Clouds 9 State of Sea S

Weather bczp

Direction and Force of Current. Surface Bottom

Tide

General Locality ~~Bachia Id (Pt) N 17 E; Bachia~~ Patrinte St Id, Selang Pt N 56° W., Molucca Passage

Position 1° 00' 00" S. 127° 50' 00" E.

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

Drift: Direction SE x E Distance 2.0 mi.

Depth of Haul bottom

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

Time towing h. 22⅓ m.

Remarks:

Deck Officer Mr. Johnson Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M.	Down.		Up.	P.M.			P.M.	Down.		Up.	P.M.	
4	04	10	4	22	10	0	4	24	40	6	08	30
	05	20		21	10	100		28	40		05	25
	06	10		20	15	200		32	50		02	20
	07	00		19	20	300		36	40		59	15
	07	50		18	25	400		40	05		56	20
	08	45		17	30	500		43	15		53	20
	09	45		16	30	600		46	15		50	30
	10	45		15	30	700		49	30		47	30
	11	50		14	20	800		52	20		44	30
4	12	20	4	13	50	845 ~~900~~		55	20		41	45
						1000		59	10		38	55
						1100	5	02	45		36	00
						1200		06	10		33	00
						~~1300~~ 1260	5	08	15	5	30	35
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

134

Selang Pt (Barhiand) N 56 W

12.5 m

Dredge ~~Hydrog.~~ No. 5633 Date, December 2, 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. 84° Time 7:15 84° Time 7:35 Air 82° 82°

Density: Surf. — fms. —

Wind: Direction West Force 3

Baromet. 29.77 Amt. of Clouds 8 State of Sea S

Weather bcl

Direction and Force of Current. Surface Bottom

Tide

General Locality ~~South Pacific Id.~~ Patient Strait

Position 1° 03' 00 S 127° 44' 01" E.

Chart used: No. 942a BA Ed'n

Drift: Direction Distance

Depth of Haul Surface

Apparatus and Rig used 10' Intermediate as surface.

Time towing h. 19 m.

Remarks:

No bearings obtainable

Deck Officer Mr Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	Down.		Up.	---- M.			R. M.	Down.		Up.	R. M.	
						0	7	13	00	7	34	00
						20 ~~100~~	7	14	10	7	33	00
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						2500						
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						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
Selang Pt						3800	N 24 W					
						3900						
						4000						
						4100	11.8 m					
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

135

Dredge ~~Hydrog.~~ No. 5634 Date, Dec. 3rd, 1909

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

Turns 329 Cor'n Depth 329 fms.

Sdg. Cup Lucas Amt. Bot'm Sample No trace.

Character of Bottom

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 84° Time 6:36 A 84° Time 7:16 A Air 81° 81°

Density: Surf. fms.

Wind: Direction N.W. Force 2 - 3

Baromet. 29.76 Amt. of Clouds 9 State of Sea S

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality Pitt Passage Somomo Id (L.T.) N. 54 W.

Position Lat. 1° 54' 00" S Long. 127° 36' 00"

Chart used: No. BA 942A Ed'n

Drift: Direction SWXS Distance 1.

Depth of Haul Bottom

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

Time towing — h. 13 m.

Remarks:

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.	
6	23	50	6	31	00	0	6	36	00	7	33	30
	24	50		30	10	100		40	15		30	15
	25	50		29	20	200		44	30		27	00
	26	50		28	25	300		48	25		23	50
6	27	15	6	27	55	329 ~~400~~		52	20		20	40
						500	*6	56	40		17	35
						550 ~~600~~	7	02	00	7	15	30
						700						
						800						
						900						
						1000						
						1100	Towed 3 minutes					
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
Gomomo Id (R.T.) N 41 E.						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						

136

Gomomo Id (E) N 41 E
3 m

Dredge / ~~Hydrog.~~ No. 5635. Date, Dec. 3d, 1909.

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

Turns 400 Cor'n — Depth 400 fms.

Sdg. Cup Lucas Amt. Bot'm Sample No trace in Sdg cup

Character of Bottom hrd. (lge co R and soap stone in net).

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 83° Time 9:52 a. 83° Time 9:52 a. Air 82.5° 82.5°

Density: Surf. fms.

Wind: Direction SE by E Force 2 – 3

Baromet. 29.81 Amt. of Clouds 8 State of Sea S

Weather Bog.

Direction and Force of Current. Surface Bottom

Tide

General Locality Pitt Passage.

Gonomo Id (lt) N84W – Sam (rt) N 14 W

Position 1°53'30" S – 127°39' E.

Chart used: No. 942a B A Ed'n —

Drift: Direction SSE Distance 0.5 m.

Depth of Haul Bottom.

Apparatus and Rig used 12' Agassiz. 2 glass floats; 2 wing – and 1 tail weight.

Time towing — h. 5 m.

Remarks: Lanyard of Stray lead parted and latter lost. No trace in sdg. cup. – Accumulator registered 4½ tons when began heaving in, bet. 3½ and 3 up to 400 fms.; then 2, lessening gradually to 1¾ at surface. Wire about perpendicular from 500 fms. and up. Both bridle stops

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.
9	20	00	9	28	25	0	9	31	30	10	30	00
	21	10		27	30	100		35	10		26	20
	21	55		26	35	200		39	15		22	30
	22	50		25	40	300		43	00		18	50
9	23	45	9	24	35	400		47	00		15	00
						500		50	40		09	20
						600	9	56	00	10	01	00
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
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						2800						
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						3000						
						3100						
						3200						
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						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

138

Gomoro V (6) R 14 R

9. 5 m

→ casing away: frame ~~slightly~~ bent: cheese cloth pocket ~~not~~ torn: several sml. holes in outer net.

Dredge / ~~Hydrog.~~ No. 5636 Date, Dec. 3d, 1909

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

Turns 1262 Cor'n — Depth 1262 fms.

Sdg. Cup Luers. Amt. Bot'm Sample

Character of Bottom gy M.; fine S.

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 83° Time 12:15 / 83° Time 1:45 Air 83½° / 83°

Density: Surf. fms.

Wind: Direction Various Force 1 - 3

Baromet. 29.76 Amt. of Clouds 8 - 9 State of Sea S

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality Gomons I'd (St.), N 76° W.; Gomons I'd, R.T., N 46° W., Pitt Passage.

Position 1° 55' 00" S; 127° 42' 30" E.

Chart used: No. 942a B.A. Ed'n —

Drift: Direction S x E. Distance 2.5 mi.

Depth of Haul bottom

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

Time towing h. 20½ m.

Remarks:

Deck Officer Mr. Rohange. Mr. Johnson Recorder Arnkil — C.E. DeLong.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up. A. M. Mer and PM				P. M. Down.			Up. P. M.		
11	39	10	12	04	30	0	12	06	50	2	51	20
	40	05		03	35	100		11	20		48	05
	41	00		02	50	200		15	05		44	45
	41	55		02	00	300		19	15		41	30
	42	50		01	15	400		23	40		38	15
	43	45	12	00	30	500		26	10		34	50
	44	40		59	35	600		29	50		31	20
	45	40		58	45	700		33	05		27	45
	46	45		57	55	800		36	55		24	15
	47	50		57	00	900		40	50		20	45
	49	00		56	05	1000		44	35		17	10
	50	00		55	00	1100		48	30		13	30
	51	05		54	00	1200		52	15		10	00
11	51	45	11	53	05	1262 ~~1300~~		55	30		06	20
						1400		59	15		02	30
						1500	1	03	00		58	20
						1600		06	10		54	50
						1700		09	20		49	10
						1800		13	40		44	20
						1900	1	18	30	1	39	00
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

139

Somomo I (E) N 46 W

6 m

Dredge ~~Hydrog.~~ No. 5637 Date, Dec. 10th, 1909

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

Turns 700 Cor'n — Depth 700 fms.

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

Character of Bottom gy N

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 83° Time 8 am 83° Time 8:10 a Air 79° 79.5°

Density: Surf. fms.

Wind: Direction NW Force 2

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

Weather om

Direction and Force of Current. Surface Bottom

Tide

General Locality Molucca Sea.

Uki I (Et) N 9 W – Amblan I (Nt) N 80 E.

Position 3°53'20" S – 126°48' E.

Chart used: No. 942a B A Ed'n —

Drift: Direction S 21 W Distance 1.3 m.

Depth of Haul Bottom

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

Time towing — h. 12 m.

Remarks: Net fouled on bottom at 8:09, accumulator registered 3, and commenced to heave in

Deck Officer Mr Johnson Mr. Hazard Recorder H. W. Crider. Arnkil

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M.	Down.		Up.	A. M.			A. M.	Down.		Up.	A. M.	
6	59	45	7	13	35	0	7	16	00	8	5	30
7	00	30		12	50	100		20	00		48	15
	01	35		12	05	200		23	30		44	50
	02	30		11	20	300		27	00		41	10
	03	30		10	35	400		30	55		37	10
	04	35		09	50	500		34	30		33	10
	05	45		09	00	600		38	05		29	10
7	06	45	7	07	50	700		42	00		25	00
						800		45	30		21	45
						900		49	10		18	20
						1000		53	05		14	40
						1100	7	57	00	8	09	05
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
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						1900						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

113

anchor d (or) N 80 E

2 1/2 m

~~Dredge~~ Hydrog. } No. 4935 Date, Dec 10, 1909

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

Turns 198 Cor'n — Depth 198 fms.

Sdg. Cup Lucas Amt. Bot'm Sample None —

Character of Bottom No Spec.

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 Tifu Bay Entrance (wtm) N 4° E. Buru Id (Stan) S 74° E.; Molucca Sea

Position 3° 46' 15" S.; 126° 24' 40" E.

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

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. Robange Recorder C. E. D. Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			___ M. Down.			Up.	___ M.	
1.	28	40		33	35	0						
	29	50		32	45	100						
1	30	40	1	31	50	198 200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

45

Tifu Bay entrance (M) N & E

2.2 m

Dredge / ~~Hydrog.~~ No. 5638 Date, Dec 10, 1909

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

Turns 517 Cor'n — Depth 517 fms.

Sdg. Cup Lucas Amt. Bot'm Sample plentiful

Character of Bottom gy, fne S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 86° Time 2:25 / 85° Time 2:58 Air 84° / 84°

Density: Surf. fms.

Wind: Direction Various Force 1-2

Baromet. 29.82 Amt. of Clouds 9 State of Sea S

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Tifu Bay Entrance, (W Outer) N.17 E. Buru I'd (S.W. tun) N.53° W; Molucca Sea.

Position 3°47'15" S, 126°23'40" E

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

Drift: Direction S 78° E. Distance 1.0 mi

Depth of Haul bottom

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

Time towing h. 20 m.

Remarks: Bridle stop carried away after net had been hoisted. Very little in net to cause same.

Deck Officer Mr Rohanger Recorder C.E. DeLong.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				P. M. Down.			Up. P. M.		
1	55	00	2	05	20	0	2	07	50	3	22	00
	56	00		04	30	100		12	00		18	30
	57	00		03	40	200		16	10		15	00
	58	00		02	50	300		19	35		11	30
	59	00		02	00	400		23	00		07	50
2	00	00		01	10	500		26	30		04	00
2	00	10	2	01	00	517 600		31	10	3	00	00
						700	2	36	00	2	56	00
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
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						3100						
						3200						
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						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

46

Tifu Bay entrance (N) N 17 E

3.2 m

Dredge ~~Hydrog.~~ No. 5639 Date, Dec. 13th, 1909.

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

Turns 1560 Cor'n Depth 1560 fms.

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

Character of Bottom Gy M

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 84 Time 7:11 A 84° Time 7:43 A Air 82 82½°

Density: Surf. fms.

Wind: Direction Variable Force 1-

Baromet. 29.84 Amt. of Clouds 7 State of Sea S

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality Molucca Sea.

Wowoni I (E) S42W - Manui I (E) N36W

Position 3°54'50 S - 123°27'20" E.

Chart used: No. 3616 BA Ed'n May/07

Drift: Direction N 36 W Distance 0.8 m.

Depth of Haul Bottom.

Apparatus and Rig used 9' Agassiz, (reversible) 1 tail weight.

Time towing — h. 31 m.

Remarks:

Deck Officer Mr Johnson Recorder H. W. Crider

Mr. Hazard [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up.	A M.			A M. Down.			Up.	A M.	
5	04	50	5	40	20	0	5	55	30	9	35	25
	05	45		39	20	100		58	30		30	30
	06	45		38	25	200	6	03	50		26	20
	07	45		37	30	300		07	50		22	25
	08	50		36	30	400		11	30		18	50
	09	55		35	35	500		15	05		15	35
	11	05		34	40	600		18	30		12	00
	12	05		33	45	700		21	40		08	15
	13	15		32	45	800		25	00	9	03	50
	14	25		31	55	900		28	20		59	25
	15	40		31	05	1000		31	30		54	50
	16	55		30	20	1100		34	40		50	25
	18	05		29	25	1200		37	45		46	00
	19	25		28	30	1300		40	50		41	30
	20	45		27	40	1400		44	20		36	10
	22	05		26	40	1500		47	40		29	55
5	23	15	5	25	50	15 ~~1600~~		50	50		24	50
						1700		53	30		20	05
						1800		56	20		15	05
						1900		59	30		09	50
						2000	7	02	40	8	04	00
						2100		05	30		58	00
						2200		08	15		51	25
						2300	7	11	00	7	42	30
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
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						3900						
						4000						
						4100						
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						4800						
						4900						

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Wowoni I (E) S42 W

16 m

Dredge / Hydrog. No. 5640 Date, Dec 13, 1909

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

Turns 26 Cor'n -2 Depth 24 fms.

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

Character of Bottom S, brk sh.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 5:10 / 84° Time 5:23 Air 84° / 84°

Density: Surf. fms.

Wind: Direction — Force 0

Baromet. 29.80 Amt. of Clouds 9 State of Sea S

Weather bcy.

Direction and Force of Current. Surface / Bottom

Tide

General Locality Labuan Blanda I'd N 88° E; Tarjong Lola, S 31° W., Butous St.

Position 4° 27' 00" S; 122° 55' 40" E

Chart used: No. 3470 B.A. Ed'n Apr/06

Drift: Direction N. 52° W Distance .25 mi.

Depth of Haul bottom

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

Time towing h. 12 m.

Remarks:

Deck Officer Mr Johnson Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			P. M. Down.			Up.	P. M.	
5	02	30	5	03	45	0	5	06	00	5	26	00
5	02	50	5	03	10	26 ~~100~~ 50	5	10	30	5	22	30
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						1200						
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						2800						
						2900						
						3000						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

50

Celebes.

Labuan Blanda I N 88 E

1 m

Dredge / Hydrog. No. 5641 Date, Dec 14th, 1909

Sdg. Mch. Tanner Reel TN ~~Shot~~ / Lead 35 lbs.

Turns 45 Cor'n Depth 39 fms.

Sdg. Cup Arming Amt. Bot'm Sample Trace

Character of Bottom S & Shell

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 9:42 A / 84° Time 9:59 A Air 83° / 83½°

Density: Surf. fms.

Wind: Direction Variable Force 1 – 2

Baromet. 29.90 Amt. of Clouds 6 State of Sea S

Weather bcz

Direction and Force of Current. Surface / Bottom

Tide

General Locality Buton Straits, Celebes.
Kalono Pt. (W). N 61 W. Tawo

Position Lat. 4° 29' 24" S Long. 122° 52' 30"

Chart used: No. 3470 BA Ed'n

Drift: Direction S 81 W Distance 0.6

Depth of Haul Bottom.

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

Time towing h. 17 m.

Remarks:

Deck Officer Mr Hazard Recorder H. Wrcrider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A.M.	Down.		Up.		A.M.		A.M.	Down.		Up.		A.M.
9	29	45	9	32	30	0	9	36	45	10	02	15
9	30	10	9	31	00	39 ~~100~~	9	41	20	9	54	20
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						1500						
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						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400 ~~2500~~						
						2600						
						2700						
						2800						
						2900						
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						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

522

Towarp, E coast ~~N.16~~ 6 N 186

Kalono Pt (N) (N 61 W

3, 4 m

Dredge / ~~Hydrog.~~ No. 5642 Date, Dec. 14th, 1909.

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

Turns 43 Cor'n Depth 37 fms.

Sdg. Cup Arming Amt. Bot'm Sample Trace

Character of Bottom Gy Mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 85° Time 11: A / 85° Time 11:18 A } Air { 84½° / 84½° }

Density: Surf. fms.

Wind: Direction Variable Force 1 – 2

Baromet. 29.89 Amt. of Clouds 6 State of Sea 8

Weather hez

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Buton Straits, Celebes.

Tilsola N Tan. N. 38 W. Tilsola (28

Position Lat. 4°31'40"S Long 122°49'44"

Chart used: No. 3470 B A Ed'n

Drift: Direction N 75 W Distance 1.4

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 17 m.

Remarks:

Deck Officer Mr. Hazard Recorder [illegible]

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up. A M.				A M. Down.			Up. A M.		
10	50	15	10	52	20	0	10	56	00	11	23	00
10	50	50	10	51	10	38 ~~100~~	11	00	30	11	18	00
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						1500						
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tan) west.						2500						
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						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
Tikola (N)						3500	N 38 W					
						3600						
						3700						
						3800	6. 5 m					
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

53

Dredge / Hydrog. No. 5243 Date, Dec 15, 1929

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

Turns 715 Cor'n — Depth 715 fms.

Sdg. Cup Lucas Amt. Bot'm Sample 1/2 lb

Character of Bottom gn M

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. { 84° Time 4:00 p.m. / 84° Time 4:36 p.m. } Air { 82° / 83.5° }

Density: Surf. fms.

Wind: Direction Variable Force 2

Baromet. 29.81 Amt. of Clouds 8 State of Sea S

Weather Hazy

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Buton Strait Celebes.
W.T. E of Gosong Gulaga N 32 E - Pendek

Position 5°11'45" S - 122°42'36" E.

Chart used: No. 3470 BA Ed'n —

Drift: Direction S 45° W Distance 0.7 m.

Depth of Haul Bottom N.R.

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

Time towing — h. 17 m.

Remarks:

Deck Officer Mr. Johnson / Mr Hazard Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M. Down.		Up.	P	M.		P	M. Down.		Up.	P	M.
3	40	30	3	47	00	0	3	52	10	4	37	30
	41	25		46	00	100		56	30		34	05
	42	25		45	00	200	4	00	10		30	50
3	42	30	3	44	55	215 300		04	30		27	20
						350 ~~400~~	4	06	40	4	25	00
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4700						
						4800						
						4900						

57

7 ℄ (NT) S77E.

Pendek I (Or) S77E

1.7 m

Dredge / ~~Hydrog.~~ No. 6744 Date, Dec 16, 1909

~~Sdg. Mch.~~ Hand Line Reel ____ Shot / Lead ____ lbs.

Turns ____ Cor'n ____ Depth 22 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 8:02 / 83° Time 8:15 } Air { 80° / 80° }

Density: Surf. ____ ____ fms. ____

Wind: Direction ____ Force 0

Baromet. 29.90 Amt. of Clouds / State of Sea 2

Weather hazy

Direction and Force of Current. { Surface ____ / Bottom ____ }

Tide ____

General Locality Makassar Id (E tan) N. 4° E. Tarjong Pangela N 74 W; Butow Is.

Position 5° 27' 24" S. 122° 8' 00" E

Chart used: No. 3470 BA Ed'n ____

Drift: Direction S 81° W Distance .4 mi.

Depth of Haul bottom

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

Time towing h. 11 m.

Remarks: ____

Deck Officer Mr Johnson Recorder C.E. DeLong.

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			a M. Down.			Up.	a M.	
						0	8	00	00	8	15	00
						50 ~~100~~	8	02	00	8	13	00
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4600						
						4700						
						4800						
						4900						

58

Makasser I (E) N 4 E
1,3 m

Dredge / ~~Hydrog.~~ No. 5145 Date, Dec 6, 1909

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

Turns 206 Cor'n — Depth 206 fms.

Sdg. Cup Lucas Amt. Bot'm Sample No Specs

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 9:45 / 83° Time 9:55 Air 79° / 79°

Density: Surf. fms.

Wind: Direction Various Force 1 - 3

Baromet. 29.92 Amt. of Clouds 8 - 9 State of Sea 2

Weather Hazy

Direction and Force of Current. Surface Bottom

Tide

General Locality Buton Pt (off Buton) N 75° E. North I'd (N.E. tip) S 10° W; Buton Pt.

Position 5° 29' 06" S; 122° 32' 06" E

Chart used: No. 3470 BA Ed'n

Drift: Direction N 34° W Distance .7 mile

Depth of Haul bottom

Apparatus and Rig used As before

Time towing h. 1 1/3 m.

Remarks:

Deck Officer Mr Johnson Recorder C. E. Long

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			a M. Down.			Up.	a M.	
9	35	15	9	39	50	0	9	41	50	10	08	35
	36	10		39	00	100		45	30		04	35
	37	20		38	00	200		49	00	10	01	00
9	37	25	9	37	55	206 ~~300~~		51	55		57	25
						350 400	9	54	00	9	55	20
						500						
						600						
						700						
						800						
						900						
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59

North I (N E) S 10 W

1.6

Dredge ~~Hydrog.~~ No. 5646 Date, Dec 16, 1909

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

Turns 456 Cor'n — Depth 456 fms.

Sdg. Cup Lucas Amt. Bot'm Sample plentiful

Character of Bottom gn. M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 11:45 A 83° Time 12:30 P Air 79° 80°

Density: Surf. fms.

Wind: Direction Various Force 0 - 1

Baromet. 29.88 Amt. of Clouds 7 State of Sea ~~8~~

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

General Locality Buton Straits, Southern Cr S.E. tan west side Wobalole Bay

Position Lat. 5° 31' 30" S Long. 122° 22' 40"

Chart used: No. 3616BA Ed'n May 07

Drift: Direction East Distance 1.1

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 20 m.

Remarks:

Deck Officer Mr Johnson Recorder C.E. Lo Long

Mr Hazard. H.W. Crider.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M.	Down.		Up.	a M.			a M.	Down.		Up.	P M.	
11	32	05	11	41	00	0	11	43	45	12	56	00
	33	00		40	05	100		48	05		52	30
	33	55		39	20	200		51	35		49	00
	34	50		38	40	300		54	50		45	20
	35	45		37	55	400		58	20		41	50
11	36	20	11	37	20	450 500	12	02	00		38	30
						600		06	40		34	30
						700	12	10	10	12	30	10
						800						
						900						
						1000						
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						4000						
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						4300						
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						4500						
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						4700						
						4800						
						4900						

60

France.

N 37 E. North to (S) S 68 E.

North to (S) S 68 E

7.5 m

Dredge / ~~Hydrog.~~ No. 5647 Date, December 16th, 1909

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

Turns 5 19 Cor'n Depth 5 19 fms.

Sdg. Cup Lucas Amt. Bot'm Sample Identified

Character of Bottom Gn M

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 83° Time 2.44 pm / Time } Air { 83° / }

Density: Surf. fms.

Wind: Direction W S W Force 3,—

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

Weather hazy.

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Buton Straits; Southern Entrance
Tgwitge Muna Id. N. 13 W. North Id

Position Lat. 5° 34' 00" S Long. 122° 18' 15"

Chart used: No. 3616 Ed'n

Drift: Direction S. 40 E Distance 1.0

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 20 m.

Remarks:

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

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			P. M. Down.			Up.	P. M.	
2	03	15	2	13	20	0	2	16	00	3	34	00
	04	00		12	25	100		20	00		30	20
	04	45		11	40	200		24	00		27	00
	05	30		10	50	300		26	50		23	40
	06	20		09	55	400		30	15		20	10
	07	20		09	00	500		33	35		16	30
2	07	30	2	08	40	519 ~~600~~		36	50		12	50
						700		40	30		08	50
						800	2	44	00	3	04	15
						900						
						1000						
						1100						
						1200						
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						4600						
						4700						
						4800						
						4900						

61

(Star) 887 E.

North 2 (S) 887 E

N. 6 m

Dredge / ~~Hydrog.~~ No. 5648 Date, Dec 16, 1909

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

Turns 559 Cor'n — Depth 559 fms.

Sdg. Cup Lucas Amt. Bot'm Sample Plentiful

Character of Bottom gn TT

Thermom. Make N3 No. 98144 Cor'n Instr. -.8 Stem.

Bottom Reading 40° Cor'd Temp. 39.2

Temp. Surf. 83° Time 4.30p 83° Time 4:54p Air 83.3° 83.3°

Density: Surf. fms.

Wind: Direction WSW Force 3

Baromet. 29.79 Amt. of Clouds 6 State of Sea S

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

~~Gulf of Boni~~

General Locality Gulf of Boni, Celebes. Tg Wita Muna Id N18W - North Id

Position 5°35' S - 122°20' E.

Chart used: No. 3616 BA Ed'n —

Drift: Direction S55E. Distance 0.8 m.

Depth of Haul Bottom

Apparatus and Rig used as before

Time towing — h. 23 m.

Remarks:

Deck Officer Mr. Hazard Mr. Rohanyi Recorder H W Crider Aronkie

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M.	Down.	Up.	P	M.		P	M.	Down.	Up.	P	M.
3	42	50	3	53	30	0	3	56	20	5	26	00
	43	40		52	45	100	4	00	20		21	40
	44	30		52	00	200		04	15		18	05
	45	15		51	10	300		07	20		14	35
	46	05		50	20	400		10	40		10	50
	47	00		49	30	500		14	10		07	10
3	47	35	3	48	45	559 ~~600~~		17	40	5	03	03
						700		21	30		59	55
						800		25	40		55	55
						875 ~~900~~	4	29	45	4	52	20
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
(Stang) N 87 E.						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
North I (S)						3400	N 87 E					
						3500						
						3600	10.2					
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

62

Dredge / Hydrog. No. 5649 Date, Dec. 16, 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. 83° Time 7:25 p 83° Time 7:45 p Air 83° 83°

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 29.83 Amt. of Clouds 5 State of Sea S

Weather Ocw

Direction and Force of Current. Surface Bottom

Tide

General Locality Gulf of Boni, Celebes.

Position 5°36'S – 122°7'36" E.

Chart used: No. 3616 BA Ed'n –

Drift: Direction Distance

Depth of Haul Surface. towing to 10 fms. w

Apparatus and Rig used 10' Inter.; double cone.

Time towing – h. 21 m.

Remarks: No sdg. taken. – No bearings obtainable; after dark.

Deck Officer Mr. Johnson Recorder [illegible]

11—1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
___ M.	DOWN.	UP.	___ M.		___ M.	DOWN.	UP.	___ M.		
				0	7	22 15	7	44	40	
				100	7	23 00	7	44	00	
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
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				1500						
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				4000						
				4100						
				4200						
				4300						
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				4500						
				4600						
				4700						
				4800						
				4900						

63

North d (S) S 87 W.

270

Dredge ~~Hydrog.~~ No. 5650 Date, Dec 17, 1909

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

Turns 540 Cor'n — Depth 540 fms.

Sdg. Cup Lucas Amt. Bot'm Sample Net full.

Character of Bottom gn M.

Thermom. Make N.Z. No. 98244 Cor'n Instr. -.8 Stem.

Bottom Reading 40.9° Cor'd Temp. 40.1

Temp. Surf. 84° Time 8:46 84 Time 9:30 Air 84° 85°

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 29.91 Amt. of Clouds 9 State of Sea S

Weather bcz tlp

Direction and Force of Current. Surface Bottom

Tide

General Locality Tg Lamulu N 5° W; Tg Buginkali N 81° E.; Gulf of Boni

Position 4° 53' 45" S. 121° 29' 00" E.

Chart used: No. 3616 B.A. Ed'n

Drift: Direction S 45° W. Distance .7 mi.

Depth of Haul

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

Time towing h. 10 m.

Remarks: Both bridle stops carried away. Cu. registered 2 tons at surface, net in water.

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	30	40	8	40	55	0	8	42	30	10	03	05
	31	30		40	00	100		46	45		58	55
	32	15		39	20	200		49	55		55	40
	32	55		38	35	300		53	00		51	35
	33	40		37	50	400		56	15		47	40
	34	25		37	00	500		59	30		43	35
8	34	45	8	36	40	540 ~~600~~	9	02	40		39	50
						700		05	50		35	15
						800		09	10		31	20
						900	9	12	55	9	23	40
						× 909 ~~1000~~	9	22	00	9	23	00
						1100						
						1200 ×						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
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						2100						
						2200						
						2300						
						2400						
Celebes						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
Tg Lamulu						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

× Veered wire out to 909 fath on account of heavy strain on wire. Cumulator registered over 5 tons.

66

N 5 W
12.5 m

Dredge ~~Hydrog.~~ No. 5651 Date, Dec. 17th, 1909.

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

Turns 700 Cor'n Depth 700 fms.

Sdg. Cup Lucas Amt. Bot'm Sample None

Character of Bottom Gn M (in trawl)

Thermom. Make N.Z. No. 98244 Cor'n Instr. -.8 Stem.

Bottom Reading 39.5° Cor'd Temp. 38.7

Temp. Surf. 84° Time 2:27 P 84° Time 2:53 P Air 84½° 84°

Density: Surf. fms.

Wind: Direction N.N.W Force 1-2

Baromet. 29.83 Amt. of Clouds .8 State of Sea S

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide

General Locality Gulf of Boni, Celebes. Lit Lambasina Id (mid) N.6W. Tg Bugin

Position Lat. 4°43'50 S Long. 121°23'24"

Chart used: No. 3616 Ed'n

Drift: Direction N.11W Distance 2.9

Depth of Haul Bottom

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

Time towing h. 20 m.

Remarks: Sounding cup carried away.

Deck Officer Mr Rohange Recorder H.W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
F.	M.	Down.	Up.	F.	M.		F.	M.	Down.	Up.	F.	M.
1	33	10	1	47	00	0	1	53	30	3	25	00
	34	00		46	00	100		57	50		21	40
	35	00		45	20	200	2	01	35		18	40
	36	00		44	30	300		04	50		15	40
	36	55		43	40	400		08	05		12	40
	37	55		42	45	500		11	10		09	40
	38	50		41	50	600		14	45		06	35
1	39	50	1	40	50	700		18	35		03	30
						800		22	20	3	00	30
						900		25	55		57	00
						1000	*2	32	50	2	52	50
						1100						
						1200						
						1300						
						1400	*Towed 2 min					
						1500	at 910 fms.					
						1600						
						1700						
						1800						
						1900						
						2000						
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						4300						
						4400						
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						4600						
						4700						
						4800						
						4900						

67

Buginkali S67E

Tg Buginkali S67E

26 m

Dredge / ~~Hydrog.~~ No. 5652 Date, Dec 17, 1909

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

Turns 525 Cor'n — Depth 525 fms.

Sdg. Cup Lucas Amt. Bot'm Sample 1½ oz.

Character of Bottom gy N

Thermom. Make N.B. No. 98244 Cor'n Instr. -.8 Stem.

Bottom Reading 42° Cor'd Temp. 41.2

Temp. Surf. 84° Time 5:25 p. 83° Time 5:54 p. Air 84° 83.3°

Density: Surf. fms.

Wind: Direction WSW Force 1

Baromet. 29.79 Amt. of Clouds 7 State of Sea S

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide

General Locality Gulf of Boni, Celebes. Tg Lamulu S36E – Tg Pakar

Position 4°35'S – 121°23'06" E.

Chart used: No. 3616 BA Ed'n —

Drift: Direction N61W Distance 2.1 m.

Depth of Haul Bottom.

Apparatus and Rig used 12' Agassiz NR trawl; 2 floats; 2 wing-weights; 1 tail wt.

Time towing — h. 20 m.

Remarks:

Deck Officer Mr Johnson Recorder Arutil

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M.	Down.	Up.	P.	M.		P.	M.	Down.	Up.	P.	M.
4	33	50	4	45	10	0	4	50	00	6	13	00
	34	50		44	15	100		54	10		09	15
	35	50		43	30	200		57	35		06	00
	36	45		42	35	300	5	01	25	6	02	50
	37	45		41	45	400		04	40		59	40
	38	45		40	45	500		08	00		56	40
4	39	00	4	40	30	525 600		11	30		53	35
						700		15	10		50	00
						800		23	10		46	00
						825 ~~900~~	5	24	10	5	44	10
						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						

68

N 22 E.

Tg Lamulu 5 3 6 6

7,5 m

Dredge / ~~Hydrog.~~ No. 5653 Date, Dec 17, 1901

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 7:30 p / 82° Time " Air 82° / 82°

Density: Surf. — fms.

Wind: Direction W. of Force 2

Baromet. 29.85 Amt. of Clouds 9 State of Sea 8

Weather Fair

Direction and Force of Current. Surface — Bottom —

Tide —

General Locality Gulf of Boni, Celebes

Position 4° 27' 36" S - 121° 16' 36" E.

Chart used: No. 3616 B.A. Ed'n —

Drift: Direction — Distance —

Depth of Haul Surface.

Apparatus and Rig used 10' Intr., dbl. Core.

Time towing — h. — m.

Remarks: No sdg. — Surface tow. 10 fms. wire out. No bearings obtainable.

Deck Officer Mr. Hazard Recorder Austin

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	Down.		Up.	---- M.			⊕ M.	Down.		Up.	⊕ M.	
						0	7	22	00	7	44	00
						10 ~~100~~	7	23	00	7	43	00
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

69

Tg Lamulu S40E

18 m

Dredge / ~~Hydrog~~ } No. 5654 Date, Dec 18, 1909

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

Turns 8 05 Cor'n — Depth 8 05 fms.

Sdg. Cup Lucas Amt. Bot'm Sample

Character of Bottom

Thermom. { Make A.S. / No. 98944 } Cor'n { Instr. -.8 / Stem. }

Bottom Reading 39.1° Cor'd Temp. 38.3

Temp. Surf. { 83° Time 6:10 / 83 Time 7:15 A } Air { 79° / 82° }

Density: Surf. — fms.

Wind: Direction Various Force 0 - 1

Baromet. 29.85 Amt. of Clouds 3 - 4 State of Sea 2

Weather haz

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Tg Talaka N 17° E; Tg Mung[illegible] S 66° E; Gulf of Boni, Celebes.

Position 3° 42 00" S; 120° 45 50" E.

Chart used: No. 2616 Ba Ed'n

Drift: Direction N 1° W Distance 2.0 mi.

Depth of Haul

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

Time towing h. 28 m.

Remarks:

Deck Officer Wm. Hazard Recorder C. E. Kellogg

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
@	M.	Down.	Up.	@	M.		@	M.	Down.	Up.	@	M.
5	33	45	5	49	30	0	5	55	40	7	58	10
	34	30		48	30	100	6	01	15		54	40
	35	25		47	40	200		06	20		51	30
	36	15		46	55	300		10	35		48	25
	37	15		46	10	400		15	00		45	10
	38	05		45	20	500		18	20		41	50
	39	00		44	30	600		21	50		38	10
	40	00		43	30	700		25	10		34	25
	41	10		42	25	800		28	35		30	45
5	41	15	5	42	15	805 900		32	10		27	15
						1000		40	10		23	20
						1100		44	50		19	40
						1200	6	47	15	7	15	15
						1300						
						1400						
						1500						
						1600						
						1700						
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						3900						
						4000						
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						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

90

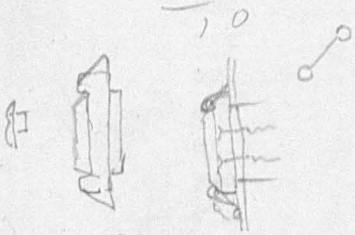
Tg Tabako

N 17 E

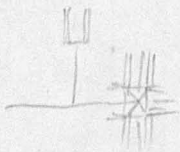
21.3

12.61.55
11.54.25
7.301.2
6
13
12
10

3.65



11.54.25
3.30
5755



53-80
29-45
22-45

25.00
06.40
17.20

MPH	KNOTS
175	140
170	136
165	132
160	129
155	125
150	121
145	118
140	114
135	110
130	106
125	103
120	99
115	95
110	91
105	87
100	83
95	79
90	75
85	71
80	67
75	63
70	59
65	55
60	51
55	47
50	43
45	39
40	35
35	31
30	27
25	23
20	18
15	14
10	9
5	5