No. 6.

From. D. 5304 to

D-5345

507

U.S.S. Albatross.

Next Dr = D. 5305.
" Hy = H. 4915.

Dredge / Hydrog. No. 5304 Date, Aug 9, 190

Sdg. Mch. Reel Shot / Lead lb

Turns No Sdg Cor'n Depth 34 *chart fm.

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

Character of Bottom bb. M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 9 05 / 84° Time 9 28 Air 85½° / 84°

Density: Surf. — fms. —

Wind: Direction N.S.W. Force 3

Baromet. 29.5-4 Amt. of Clouds .3 State of Sea S

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality China Sea.

Position 21-46-00N-114°-47'-00"-E.

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

Drift: Direction ? Distance ?

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz N.R., 3 gla floats, 2 wing weights, 1 tail weig

Time towing h. 20 1/2

Remarks:

Deck Officer Mr Cassidy Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
9 M. Down.			Up.	9 M.			9 M. Down.			Up.	9 M.	
						0	9	02	30	9	30	45
						100	9	06	10	9	26	25
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						4900						

Dredge / Hydrog. } No. Dr. 5305. Date, Oct. 24, 1908

Sdg. Mch. No sdg. Reel – Shot / Lead } – lbs.

Turns – Cor'n – Depth 37 fms. x)

Sdg. Cup – Amt. Bot'm Sample

Character of Bottom Sft. gy. JT in net

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

Bottom Reading – Cor'd Temp. –

Temp. Surf. { 78° / 78° } Time 8.00p / Time 8:27p. } Air { 79° / 79° }

Density: Surf. not taken fms. —

Wind: Direction East Force 3

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

Weather bew.

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality China Sea.

Position ~~[illegible]~~ 21°54'N – 114°46'00"E.

Chart used: No. HO 798 Ed'n –

Drift: Direction – Distance –

Depth of Haul Bottom.

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

Time towing – h. 20 m.

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

Deck Officer Mr. Metters. Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
						0	7	58	00	8	32	20
						100	8	02	30			
						1200	8	07	00	8	27	00
						300						
						400						
						500						
						600						
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						4900						

Dredge / ~~Hydrog.~~ No. 5306 Date, Oct 26, 1908

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

Turns 170 Cor'n —— Depth 170 fms.

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

Character of Bottom Co. S.

Thermom. Make N. Z. No. 108013 Cor'n Instr. -.13 Stem. -.47

Bottom Reading 52° Cor'd Temp. 51.4

Temp. Surf. 80° Time 8:20 / 80° Time 8:55 Air 80° / 79½°

Density: Surf. Not taken fms. 1.02489

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

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

Weather Bc.

Direction and Force of Current. Surface / Bottom

Tide

General Locality China Sea, near Pratas Id

20°55' N. 116°45' E.

Position

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

Drift: Direction Distance,

Depth of Haul bottom

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

Time towing h. 20 min. m.

Remarks: Water bottle used.

Deck Officer Mr. Cassidy Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a. M. Down.			Up.	a. M.			a. M. Down.			Up.	a. M.	
8	05	25	8	12	15	0	8	18	30	8	06	00
8	06	35	8	11	20	100	8	22	30	9	01	40
8	09	00	8	10	30	170 ~~200~~ 250	× 8	29	50	8	58	00
						~~300~~ 300	8	32	05			
						~~400~~	8	34	45	8	54	45
						500						
						600						
						700						
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						1900						
						2000						
						2100						
						2200						
						2300						
						2400	× Stopped lowering					
						2500	not for several					
						2600	min to clear slack					
						2700	wire on boom					
						2800						
						2900						
						3000						
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Dredge ~~Hydros.~~ No. 5307 Date, Oct 26, 1908

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

Turns 186 Cor'n — Depth 186 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample trace

Character of Bottom Glob.

Thermom. Make N. G. No. 108013 Cor'n Instr. -.13 Stem. -.47

Bottom Reading 52.8 Cor'd Temp. 51.6

Temp. Surf. 80° Time 11 07 / 80° Time 11 25 Air 80° / 80½

Density: Surf. 1.02434 fms. 1.02570

Wind: Direction NE. Force 3

Baromet. 29.86 Amt. of Clouds 8 State of Sea 2

Weather bo.

Direction and Force of Current. Surface / Bottom

Tide

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

Position

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

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used As before, except net mended.

Time towing h. 20 m.

Remarks: Water bottle used.

Deck Officer Mr Cassidy Recorder C. R. Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up. a M.				a M. Down.			Up. a M.		
10	37	05	10	43	30	0	10	48	40	11	40	45
10	38	00	10	41	55	100	10	52	05	11	37	00
10	39	00	10	41	00	186 ~~200~~	10	56	30	11	33	35
						300	10	59	50	11	29	15
						400	11	02	50	11	25	50
						~~500~~ 450	11	04	10	11	24	00
						600						
						700						
						800						
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Dredge / Hydrog. No. 5308 Date, Nov 4, 1908

Sdg. Mch. Tanner Reel TN ~~Shot~~ Lead 30 lbs.

Turns 62 Cor'n Depth 62 fms.

Sdg. Cup Tallow Amt. Bot'm Sample trace

Character of Bottom S.M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 77° Time 6:40 A / 76 Time 7:05 a Air 77 / 77

Density: Surf. 1.02461 fms. not taken

Wind: Direction NE. Force 4

Baromet. 3004 Amt. of Clouds 8 State of Sea S

Weather bcy

Direction and Force of Current. Surface / Bottom

Tide

General Locality China Sea.

Position 21°-54'N-115°-42'E.

Chart used: No. 798 Ho Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 12' Tanner & wing wts 1 tail wt. 3 glass floats no lining in net.

Time towing — h. 20 m.

Remarks:

Deck Officer Mr Metters Recorder M C Roberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M.		Down.	Up.	a M.			a M.		Down.	Up.	a M.	
6	35	10	6	36	20	62 0	6	38	–	7	02	20
						100	6	~~41~~	30	6	58	40
						~~200~~ 150	6	42	90	6	57	00
						300						
						400						
						500						
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Dredge / ~~Hydrog.~~ No. 5309. Date, Nov. 4, 1908

Sdg. Mch. J.N. Reel Stark - ~~Shot~~ / Lead lbs.

Turns 62 Cor'n Depth 62 fms.

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

Character of Bottom ~~Stf~~ gr M.

Thermom. Make NB No. 108013. Cor'n Instr. -0.8 Stem. 0.0

Bottom Reading 73.6° Cor'd Temp. 73.3

Temp. Surf. 79° Time 8:35 a. 79° Time 8:53 a. Air 78° 79°

Density: Surf. not taken fms. No Speed

Wind: Direction E by S Force 3

Baromet. 30.06 Amt. of Clouds 9. State of Sea 8

Weather Cez.

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea
Near Pratas Id.

Position 21°53' N - 115°51' E

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

Drift: Direction — Distance —

Depth of Haul Bottom

Apparatus and Rig used 12' Tanner, 2 runner wts., 1 tail wt., 3 glass floats; no lining in net.

Time towing - h. 20 m.

Remarks: Water bottle used at sounding. — A plankton net used from forward sounding platform during dredge haul. (Refers to No 2).

Deck Officer Wm. Hazard Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
H.	M.	Down.	Up.	H.	M.		H.	M.	Down.	Up.	H.	M.
8	18	30	8	21	50	0	8	24	15	8	57	20
8	19	30	8	19	55	62 100		29	30		53	25
						200	50 8	31	40	8	51	30
						300						
						400						
						500						
						600						
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Dredge / ~~Hydrog.~~ No. 5310 Date, Mar 4, 1905

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

Turns 102 Cor'n -2 Depth 100 fms.

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

Character of Bottom S, Sh.

Thermom. Make N. Z. No. 108013 Cor'n Instr. -.24 Stem. -.25

Bottom Reading 66° Cor'd Temp. 65.5

Temp. Surf. 80° Time 12 40 / 80 Time 1 13 Air 80° / 80½

Density: Surf. not taken fms. No Spec.

Wind: Direction E x N. Force 2

Baromet. 29.85 Amt. of Clouds 2 State of Sea 2

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Near Pratas Isl, China Sea

21° 33' N; 116° 13 E.

Position

Chart used: No. 7988 Ed'n

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 trimming weights, 1 tail weight, 3 glass floats.

Time towing h. 19 2/3 m.

Remarks: Water bottle used.

Deck Officer Mr. Cassidy Recorder C. E. DeLong

11—1023

165 feet.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up.	P M.			P M. Down.			Up.	P M.	
12	34	36	12	39	30	0	12	39	35	1	20	15
12	35	40	12	35	55	102 ~~100~~	12	43	50	1	16	15
12	35	40	12	35	50	102 ~~200~~ 258	12	48	50	1	12	35
						~~300~~	12	50	50	1	10	30
						400						
						500						
						600						
						700						
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Dredge / ~~Hydrog.~~ No. 5311 Date, Nov 4, 1908

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

Turns 90 Cor'n -1 Depth 88 fms.

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

Character of Bottom Coral, sh.

Thermom. Mak None used Cor'n Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 80° Time 1 40 / 80° Time 1 59 Air 81° / 81°

Density: Surf. Not taken ~~bottle~~ fms. none

Wind: Direction E.N.E. Force 2

Baromet. 29.84 Amt. of Clouds 4 State of Sea 8

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality Near Pratas I'd, China Sea

Lat 21° 33' N.; Long 116° 15' E.

Position

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

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 trimming weights, 1 tail weight, 3 glass floats, 1 mud bag.

Time towing h. 19½ m.

Remarks: Sounding taken during dredge haul.

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

11—1023

90 bottom

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M.	Down.	Up.	P.	M.		P.	M.	Down.	Up.	P.	M.
1	51	30	1	6-5	10	0	1	32	20	2	05	30
1	52	20	1	5-2	30	100	1	36	20	2	01	15
						~~200~~ 160	1	39	15	1	58	45
						300						
						400						
						500						
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Dredge / ~~Hydrog.~~ No. 5312 Date, Nov 4, 1908

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

Turns Cor'n Depth 140 fms.

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

Character of Bottom m & sm sh

Thermom. Make NZ No. 1080/13 Cor'n Instr. -.20 Stem. -.38

Bottom Reading 58.1 Cor'd Temp. 57.5

Temp. Surf. 80° Time 4:15P 80 Time 5:00 Air 80° 81

Density: Surf. 1.02461 fms. 1.02482

Wind: Direction ENE Force 3

Baromet. 29.96 Amt. of Clouds 3 State of Sea S

Weather bcsf

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea

Position 21-30N-116-32E

Chart used: No. 798 Ho Ed'n

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used as before

Time towing h. 17 m.

Remarks: Water bottle was used in sounding. Net came up with M. bag lashing carried away from main net.

Deck Officer Mr Metters Recorder Roberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M. Down.		Up.	P.	M.		P.	M. Down.		Up.	P.	M.
4	03	50	4	08	00	0	4	13	00	4	59	00
	04	50		07	05	100		17	00		54	10
4	05	10	4	06	10	140 200		21	10		49	20
						300		25	30		45	15
						325 400	4	27	00	4	44	00
						500						
						600						
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Dredge / Hydrog. No. 5313 Date, Nov 4, 1908

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

Turns Cor'n Depth 150 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample trace

Character of Bottom Sa.

Thermom. Make NZ No. 108013 Cor'n Instr. -.15 Stem. -.43

Bottom Reading 54.2 Cor'd Temp. 53.6

Temp. Surf. 80° Time 6.40P 80 Time 7.20P Air 78° 77°

Density: Surf. 1.02461 fms. 1.02573

Wind: Direction East Force 3

Baromet. 29.99 Amt. of Clouds 9 State of Sea S

Weather bcp

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea.

Position 21-30N - 116-43E.

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

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used as before

Time towing h. 15 m.

Remarks: Mr Hazard relieved Mr Metters at 6:25 P.M. Used water bottle in sounding

Deck Officer Mr Metters Mr Hazard Recorder Roberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up.	P M.			P M. Down.			Up.	P M.	
6	18	20	6	24	20	0	6	28	20	7	16	40
	19	20		23	10	100		33	00		12	00
6	19	40	6	21	40	150 200		37	20		07	20
						300		42	30		02	15
						350 400	6	45	00	7	00	00
						500						
						600						
						700						
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Dredge / ~~Hydrog.~~ No. 5314 Date, Nov 5, 1908

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

Turns 122 Cor'n — Depth 122 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample trace

Character of Bottom S bkn Sh.

Thermom. Make NB. No. 108013 Cor'n Instr. -.20 Stem. -.31

Bottom Reading 60° Cor'd Temp. 59.5°

Temp. Surf. 78° Time 6:15 a. 79° Time 6:46 a. Air 78° 78°

Density: Surf. 1.02461 fms. 1.02526

Wind: Direction ENE Force 2-3.

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

Weather bcw

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea
Near Pratas Id.

Position 21°41' N - 116°46' E.

Chart used: No. AO 798 Ed'n —

Drift: Direction — Distance —

Depth of Haul Bottom.

Apparatus and Rig used 12' Tanner, 3 weights, 3 glassfloats, no lining; mud bag — and Rofoid #2 from hose block.

Time towing — h. 20 m.

Remarks: Water bottle used in sounding. —

Deck Officer Mr. Hazard Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a	M.	Down.	Up.	a	M.		a	M.	Down.	Up.	a	M.
6	04	00		07	50	0	6	14	25	6	55	00
	04	50		06	55	100		18	00		50	50
6	05	05	6	06	30	200		22	05		47	25
						250 300	6	25	20	6	45	20
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge ~~Hydrog.~~ No. 5315 Date, Nov 5, 1908

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

Turns 148 Cor'n — Depth 148 fms.

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

Character of Bottom S, sh.

Thermom. Make N.Z. No. 108013 Cor'n Instr. -.15 Stem. -.41

Bottom Reading 55° Cor'd Temp. 54.4

Temp. Surf. 79° Time 8:35 Time 9:07 Air 79½ 80¼

Density: Surf. 1.02500 fms. 1.02506

Wind: Direction E. Force 2

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

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea

Position 21°40' N. 116° 58' E

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

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 12' ~~[illegible]~~ Tnr. 2 trimming weights, 1 tail weight, 3 glass floats, 1 mud bag.

Time towing h. 19⅔ m.

Remarks: Water bottle used.

Deck Officer Mr. Cassidy Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M.	Down.		Up.	a M.			a M.	Down.		Up.	a M.	
8	19	45	8	24	30	0	8	30	00	9	14	00
8	20	45	8	23	25	100	8	33	40	9	08	35
8	21	15	8	22	40	148 ~~200~~	8	37	30	9	05	00
						~~300~~ 301	8	41	40	9	01	20
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4700						
						4800						
						4900						

Dredge ~~Hydrog.~~ No. 5316 Date, Nov 5, 1908

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

Turns 159 Cor'n — Depth 159 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample small

Character of Bottom S.; sh.

Thermom. Make N. Z. No. 108013 Cor'n Instr. -.15 Stem. -.43

Bottom Reading 54° Cor'd Temp. 53.4

Temp. Surf. 80° Time 10 56 80° Time 11 26 Air 82° 82 1/4°

Density: Surf. 1.02481 fms. 1.02517

Wind: Direction E.N.E. Force 2

Baromet. 29.88 Amt. of Clouds 2 State of Sea S

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea

Position 21° 39' N. 117° 07' E

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

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 wing weights, 1 tail weight, 1 mud bag, 3 glass floats

Time towing — h. 25 2/3 m.

Remarks: Water bottle used.
Mud bag torn.

Deck Officer Mr Cassidy Recorder C. E. DeLong

11—1023

290 bottom

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up. A. M.				A. M. Down.			Up. A. M.		
10	35	05	10	40	30	0	10	44	20	11	37	00
10	36	10	10	39	15	100	10	48	05	11	32	40
10	37	00	10	38	25	15-9 ~~200~~	10	52	05	11	28	50
						300	10	55	35	11	25	05
						~~400~~ 350	10	57	30	11	23	10
						500						
						600						
						700						
						800						
						900						
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						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5317 Date, Nov 5, 1908

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

Turns Cor'n Depth 230 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom S & sm sh

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

Bottom Reading 51.2 Cor'd Temp. 50.6°

Temp. Surf. 80° Time 2:15 P 80° Time 3:15 P Air 82° 81°

Density: Surf. 1.02474 fms. no spec.

Wind: Direction East Force 2

Baromet. 29.93 Amt. of Clouds 3 State of Sea S

Weather bcy.

Direction and Force of Current. Surface Bottom

Tide

General Locality China sea

Position 21-36 N - 117-27 E

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

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used As before

Time towing h. 20 m.

Remarks: water bottle used in sounding

Deck Officer Mr Metters Recorder Roberts

11—1023

Volume 284

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M. Down.		Up.	P.	M.		P.	M. Down.		Up.	P.	M.
2	02	10	2	08	20	0	2	12	20	3	12	10
	03	10		07	15	100		17	00	3	03	40
	04	10		06	00	200		21	10		58	50
2	04	30	2	05	40	230 300		26	00		55	00
						400	2	31	00	2	51	00
						500						
						600						
						700						
						800						
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Dredge / Hydrog. No. 5318 Date, Nov. 5, 1908

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

Turns 340 Cor'n — Depth 340 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample (muddy full)

Character of Bottom S. bn. C.

Thermom. Make N.3. No. 108013 Cor'n Instr. — Stem. —

Bottom Reading ~~7/11~~ Cor'd Temp. —

Temp. Surf. 79° Time 5:15 p. 79° Time 6:00 p. Air 81° 80°

Density: Surf. not taken. fms. spec lost

Wind: Direction East Force 3

Baromet. 29.96 Amt. of Clouds 3 State of Sea S

Weather Cr.

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea.

Position 21°32' N - 117°46' E.

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

Drift: Direction — Distance —

Depth of Haul Bottom.

Apparatus and Rig used As before.

Time towing — h. 6 m.

Remarks: Lost the entire outfit when shot struck bottom: Water bottle, Sigsbee sdg. cup, stray lead, thermo 108013, and 340 fms. wire: automatic break failed to work. — Bridle stops carried away - trawl came up upside down; nothing lost.

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.	
5	00	00				0	5	08	00	6	05	00
	00	50				100		11	40	6	01	10
	01	45				200		15	15	5	57	30
	02	40				300		19	25	5	53	00
5	03	20				340 400		23	30	5	49	15
						500		26	30	5	45	30
						600		29	30	5	40	10
						650 ~~700~~	5	31	30	5	37	40
						800						
						900						
						1000						
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						4100						
						4200						
						4300						
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						4600						
						4700						
						4800						
						4900						

assume registered as high as 5 tons when net broke loose from bottom, at 525 fath.

DeLong.

Dredge / ~~Hydrog.~~ No. 5319 Date, Nov 5, 1908

Sdg. Mch. — Reel — Shot / Lead — lbs.

Turns — Cor'n — Depth fms.

Sdg. Cup No. — Amt. Bot'm Sample —

Character of Bottom Sdg.

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 79° Time 7:23 a. / 79° Time 7:50 a. Air 79° / 79°

Density: Surf. none taken fms.

Wind: Direction East Force 2-3

Baromet. 29.98 Amt. of Clouds 5 State of Sea 8

Weather Clear

Direction and Force of Current. Surface / Bottom

Tide

General Locality China Sea.

Position 21°31' N - 117°53' E

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

Drift: Direction — Distance —

Depth of Haul Sub-surface, 20 fms.

Apparatus and Rig used 10' Surface - double cone as sinker.

Time towing — h. 27 m.

Remarks: No sounding taken, - 40 fms. dredge rope; depth of haul estimated 20 fms.

Deck Officer Mr. Cassidy Recorder [illegible]

11—1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.					
M.	Down.		Up.	M.		A.M.	Down.		Up.	P.M.	
					0	7	21	00	7	58	30
					40 ~~100~~	7	22	45	7	49	45
					200						
					300						
					400						
					500						
					600						
					700						
					800						
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					4900						

~~Dredge~~ Hydrog. } No. 4915 Date, Nov 6, 1908

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

Turns 689 Cor'n — Depth 689 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample —

Character of Bottom —

Thermom. { Make N.Z. No. (?) Cor'n { Instr. — Stem. —

Bottom Reading — Cor'd Temp. ~~79~~

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

Density: Surf. fms.

Wind: Direction E.N.E. Force 2

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

Weather bc

Direction and Force of Current. { Surface Bottom

Tide

General Locality

Position 21°-23' N, 118°-30' E.

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

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Wire found to be outside clamp on register wheel Got same inside clamp by Taking off clamp & began heavily in at 12 22 by hand when wire parted at wheel losing 689 fath wire, 1 ther & water bottle, and sndg cup

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

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			___ M. Down.			Up.	___ M.	
12	02	25				0						
12	03	35				100						
12	04	50				200						
12	06	00				300						
12	07	10				400						
12	08	20				500						
12	09	35				600						
12	10	50	12	23	00	689 ~~700~~						
						800						
						900						
						1000						
						1100						
						1200						
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						4900						

~~Dredge~~ Hydrog. } No. 4916 Date, Nov 6, 1908

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

Turns 1498 Cor'n — Depth 1498 fms.

Sdg. Cup sigsbee Amt. Bot'm Sample lost

Character of Bottom —

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 78 / 78 } Time 4:10a / Time 4:55a } Air { 79 / 79 }

Density: Surf. fms.

Wind: Direction East Force 2

Baromet. 29.95 Amt. of Clouds 2 State of Sea S

Weather bew

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality China Sea

Position 21-14N - 119-02E.

Chart used: No. 4200 E.S. Ed'n Jan. 07.

Drift: Direction — Distance —

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: stray line sounding cup (sigsbee) and water bottle and 94 fath of wire carried away while heaving in 650 fms. wire were let out after sounding, and cut off on account of rust spots on same. (A.)

Deck Officer McCassidy Recorder McRoberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a	M. Down.		Up.	a	M.		M. Down.			Up.	M.	
4	08	20	94 fms		Root	0						
	10	00	4	51	30	100						
	11	40		50	10	200						
	13	25		49	20	300						
	15	05		48	25	400						
	16	50		47	30	500						
	18	20		46	30	600						
	20	00		45	25	700						
	21	30		44	25	800						
	23	00		43	20	900						
	24	20		42	10	1000						
	25	40		41	00	1100						
	27	00		38	45	1200						
	28	40		37	30	1300						
	30	05		36	20	1400						
4	31	40	4	35	00	498 1500						
						1600						
						1700						
						1800						
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						4800						
						4900						

~~Dredge~~ Hydrog. } No. 4917 Date, Nov. 6th, 1908

Sdg. Mch. Lucas Reel Lucas Shot ~~Lead~~ } 6 lbs.

Turns 1758 Cor'n – Depth 1758 fms.

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

Character of Bottom Sft. bn. TT

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

Bottom Reading – Cor'd Temp. –

Temp. Surf. { 80° Time / Time } Air { 80° }

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality China Sea.

21° – 06' N 119° – 38' E.

Position

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

Drift: Direction — Distance —

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Previous to sounding, 355 fms. bad sdg. wire were let out with an 8-lbs. hand lead, and cut off. — Strong current experienced at sounding.

Deck Officer Mr. Nelson Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a	M. Down.		Up.	a	M.			M. Down.		Up.		M.
9	51	30	10	38	40	0						
	53	00		37	15	100						
	54	20		36	05	200						
	55	30		35	05	300						
	56	40		34	05	400						
	57	55		33	05	500						
	59	10		32	00	600						
10	00	25		31	00	700						
	01	40		29	55	800						
	02	55		28	10	900						
	04	10		27	00	1000						
	05	30		25	30	1100						
	06	45		24	00	1200						
	08	05		22	40	1300						
	10	10		21	20	1400						
	11	30		20	00	1500						
	12	50		18	30	1600						
	14	15		17	15	1700						
10	15	05	10	16	25	1758 ~~1800~~						
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						4900						

splice at 55 fms.

splice at 1065 fms.

2128 fms. Sdg. wire expended since ntr. 5318 to H4917.

Dredge ~~Hydrog.~~ No. 5320 Date, Nov. 6, 1908

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

Turns 1815 Cor'n -11 Depth 1804 fms.

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

Character of Bottom gy. M

Thermom. Make N.Z. No. 108022 Cor'n Instr. -.033 Stem. -.745

Bottom Reading 37° Cor'd Temp. 36.2

Temp. Surf. 80° Time 2 52 80° Time 3 40 Air 80° 80½°

Density: Surf. Nonetaken. fms. 1.02574

Wind: Direction N.N.E. Force 2

Baromet. 29.75 Amt. of Clouds 1 State of Sea S

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea S of Formosa
20°-58'N-120°-03'E.

Position

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

Drift: Direction — Distance —

Depth of Haul Estimated 500 fath, with 800 fath wire out

Apparatus and Rig used 10' Intermediate, 250# Cone, 2 Kofoids #20 silk plankton nets.

Time towing h. 20 m.

Remarks: Water bottle used. Stopped letting wire out at 930 fath to get wire perpendicular, also at 1345, and 1760 fath. Ther. probably tripped at 930 fath. 11 fath. taken off depth on account of wire stretching.

Deck Officer Mr Cassidy Mr Hazard Recorder M C Roberts C E McLong

11—1023

9-0 3-10

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up.	P M.			Q M. Down.			Up.	Q M.	
1	33	50	2	04	0	0	2	49	50	4	10	20
1	35	20	2	03	05	100	2	53	50		03	30
1	36	55	2	42	20	200	2	57	40	4	00	00
1	38	10	2	41	25	300	3	01	50	3	56	50
1	39	25	2	40	30	400	3	04	10	3	52	40
1	40	50	2	39	30	500	3	08	20	3	48	50
1	42	10	2	38	30	600	3	11	20	3	45	10
1	43	40	2	37	40	700	3	14	30	3	41	20
1	45	20	2	36	45	800	3	17	50	3	37	40
1	47	00	2	35	45	900						
x 1	47	45				930 ~~1000~~						
2	04	10	2	34	45	1000 ~~1100~~						
2	05	35	2	33	25	1100 ~~1200~~						
2	07	00	2	32	30	1200 ~~1300~~						
x 2	08	25	2	31	30	1300 ~~1400~~						
x 2	09	15				1345 ~~1500~~						
2	15	30	2	30	25	1400 ~~1600~~						
2	17	05	2	29	25	1500 ~~1700~~						
2	18	40	2	28	25	1600 ~~1800~~						
2	20	10	2	27	20	1700 ~~1900~~						
x 2	21	15		..		1760 ~~2000~~						
2	24	00	2	26	20	1800 ~~2100~~						
2	24	30	2	25	50	1815 ~~2200~~						
						2300						
						2400						
						2500						
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						4800						
						4900						

x Do not. x Do note in remarks

Wire stretched 11 fath. in sounding.

~~Dredge~~ Hydrog. No. 4918 Date, Nov 6, 1908

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

Turns Cor'n Depth 1220 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom soft m

Thermom. Make Nd No. 108022 Cor'n Instr. -.03 Stem. -.74

Bottom Reading 37.2 Cor'd Temp. 36.4°

Temp. Surf. 80 Time Time Air 80

Density: Surf. fms.

Wind: Direction East Force 2-3

Baromet. 29.98 Amt. of Clouds 8 State of Sea 5

Weather bcw

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea
20°-46' N, 120°-52' E.

Position

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

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Water bottle used in sounding

Deck Officer M. Hazard Recorder Roberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up.	P M.			___ M. Down.			Up.	___ M.	
9	03	50	9	51	30	0						
	05	10		50	00	100						
	06	30		48	55	200						
	08	10		47	45	300						
	15	00		46	40	400						
	17	20		45	30	500						
	19	15		44	20	600						
	21	00		43	00	700						
	23	50		41	30	800						
	25	00		40	00	900						
	27	10		38	30	1000						
	29	00		37	00	1100						
	31	20		35	30	1200						
9	32	00	9	34	30	1220 1300						
						1400						
						1500						
						1600						
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						4900						

~~Dredge~~ Hydrog. } No. 4919 Date, Nov. 9, 1908

Sdg. Mch. J. N. Reel Shoot ~~Shot~~ Lead } lbs.

Turns Cor'n — Depth 64 fms.

Sdg. Cup arming ? Amt. Bot'm Sample ? ~~Arming~~ full

Character of Bottom ?

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. { Time } Air {
Time }

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current. { Surface
Bottom

Tide

1.05 mi.

General Locality

Ibugos 2d. S. end N 77° W. Soltan 2d. (S. End) S 37° E

Position 20°-19'-15 N. 121°-57'-E

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

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Hazard Recorder [illegible]

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.			
---- M.	Down.		Up.		---- M.		---- M.	Down.	Up.	---- M.
~~4~~	~~17~~	~~00~~	~~11~~	~~18~~	~~40~~	0				
~~4~~	~~17~~	~~45~~	~~4~~	~~17~~	~~50~~ ~~46~~	100				
						200				
						300				
						400				
						500				
						600				
						700				
						800				
						900				
						1000				
						1100				
						1200				
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See next page after L. 5327 for insertion of H. 4920!!!

C.E.W.

Dredge ~~Hydrog.~~ No. 5321 Date, Nov. 9, 1908

Sdg. Mch. J. N. Reel J. N. Shark ~~Shot~~ Lead lbs.

Turns 26 Cor'n — Depth 26 fms.

Sdg. Cup arming Amt. Bot'm Sample arming full

Character of Bottom wh S Cobbles Sh.

Thermom. Make / No. none used Cor'n Instr. — Stem. —

Bottom Reading Cor'd Temp.

Temp. Surf. 81° Time 11:25 a / 81° Time 11:30 a Air 82° / 82°

Density: Surf. none fms. none

Wind: Direction East Force 2-3

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

Weather bc.

Direction and Force of Current. Surface / Bottom

Tide

General Locality 1.25 mi.

Ibugos Id (S End) S 89° W, Sablan Id (S End) S 25° E

Position 20-19-30 N, 121-51-15 E

Chart used: No. 4710 c.s Ed'n July '05

Drift: Direction N Distance 250 yds

Depth of Haul Bottom

Apparatus and Rig used 9' Johnston, 1 tail wt.

Time towing — h. 4 m.

Remarks: Heavy Strain observed on accumulator at times. — Narrow edge of travel vent.

Deck Officer Mr. Hazard Recorder Frankil

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
1 M. Down.			Up.		2 M.		2 M. Down.			Up.	2 M.	
11	22	15	11	23	20	0	11	24	00	11	30	00
11	22	30	11	24	35	26 100 40	11	25	00	11	29	10
						200						
						300						
						400						
						500						
						600						
						700						
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Dredge / ~~Hydrog.~~ No. 5322 Date, Nov. 9, 1908

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

Turns 7 Cor'n – Depth 20 ~~W~~ fms.

Sdg. Cup 7 – Amt. Bot'm Sample M. B.

Character of Bottom S Wh S; Co; Bk Sh.

Thermom. Make S / No. J. Cor'n Instr. – / Stem. –

Bottom Reading – Cor'd Temp. –

Temp. Surf. 81° Time 11:41 a / 81° Time 11:52 a Air 82° / 82°

Density: Surf. none fms. none

Wind: Direction East Force 2-3

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

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality

Hugos Id. (S. end) S 84°W, 1.25 mi. Sabtan (S End) S 22°E.

Position 20°-19-36 N, 121°-51'-15" E

Chart used: No. 4710 CS Ed'n July '05

Drift: Direction N Distance 200 yds 1. mi.

Depth of Haul Bottom

Apparatus and Rig used As before.

Time towing – h. 9 m.

Remarks:

Deck Officer Mr. Hazard Recorder Frankit

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M. Down.			Up.	---- M.			a M. Down.			Up.	a M.	
						0	11	40	30	11	52	10
						35 100	11	42	15	11	51	00
						200						
						300						
						400						
						500						
						600						
						700						
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Dredge ~~Hydrog.~~ No. 5323 Date, Nov 9, 1908

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

Turns 303 Cor'n None Depth 303 fms.

Sdg. Cup Sigsbe Amt. Bot'm Sample No Spec.

Character of Bottom No Spec. in cup or mud bag.

Thermom. Make N.Z. No. 108022 Cor'n Instr. -.20 Stem. -.44

Bottom Reading 59° Cor'd Temp. 58.4

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

Density: Surf. 1.02558 ✓ fms. none

Wind: Direction E. x S. Force 3

Baromet. 29.94 Amt. of Clouds 9 to 4 State of Sea S

Weather bcp.

Direction and Force of Current. Surface Bottom

Tide

Hugos Id (S. End) N 30' W - 12. mi.

General Locality Balintang Id (Mid) I 69° E

Sabtan Id (W. End) N 6° E

Position 20° 07' 15" N. 121° 50' E

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

Drift: Direction N. 62° W. Distance 3.2 mi.

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 trimming weights, 1 tail weight, 2 glass floats, 1 mud bag

Time towing h. 20 m.

Remarks: Water bottle used.

Deck Officer Mr. Cassidy 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	35	10	1	44	00	0	1	48	00	2	55	00
1	36	20	1	43	00	100	1	51	35	2	51	30
1	37	30	1	41	55	200	1	55	15	2	48	00
1	39	15	1	40	25	300	1	59	40	2	44	30
1	39	20	1	40	20	303 ~~400~~	2	03	15	2	40	40
						500	2	06	10	2	37	20
						600	2	09	50	2	33	45
						~~700~~ 650	2	11	45	2	31	45
						800						
						900						
						1000						
						1100						
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Dredge ~~Hydrog.~~ No. 5324 Date, Nov. 9, 1908

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

Turns 573 Cor'n -9 (for angle) Depth 564 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample No Sample.

Character of Bottom Rcky (marks on sdg. cup).

Thermom. Make N.Z. No. 108022 Cor'n Instr. .07 Stem. -.71

Bottom Reading 41.70° Cor'd Temp. 40.9

Temp. Surf. 82° Time 2 40 P; 81° Time 5.00 P Air 82; 78

Density: Surf. 1.02523 fms. 1.02533

Wind: Direction E. x S. Force 2-3

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

Weather bcp.

Direction and Force of Current. Surface; Bottom

Tide Ibugos Id (S End) N 15° E., 10.5 mi.

General Locality Balintang Id (Mid) S 67° E
Sabtan Id (W end) N 19° E.

Position 20° 09' 00 N. 121° 47' 00" E

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

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 trimming weights, 1 tail weight, 2 glass floats, 1 mud bag.

Time towing h. 1½ m.

Remarks: Water bottle used
accum. registered 4 tons

Dredge lost. Bridle & M.B. recovered.

Deck Officer Mr. Metters Mr. Cassidy Recorder Roberts C.E. Dee Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M. Down.			Up.		P.M.		P.M. Down.			Up.	P.M.	
3	02	45	3	24	50	0	3	28	40	4	08	
3	03	40	3	23	45	100	3	32	20		53	50
3	04	40	3	23	00	200	3	35	55		51	00
3	05	45	3	22	15	300	3	39	10		48	00
x 3	06	55	3	21	25	400	3	42	00		45	30
x 3	09	20	3	20	30	500	3	45	15		42	30
3	18	50	3	19	50	573 ~~600~~	3	48	25		40	00
						700	3	51	10		37	10
						800	3	53	30		34	10
						900	3	56	00		31	20
						1000	3	58	50		28	10
						1100	4	01	50		24	50
						1200		04	40		21	30
						1300		07	30		17	30
						1400	4	10	00	4	11	30
						1500						
						1600						
						1700						
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						4900						

x Stopped letting wire out to get same perpendicular

Dredge ~~Hydrog.~~ No. 5325 Date, Nov. 12, 1908.

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

Turns 224 Cor'n - Depth 224 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom gn. M.

Thermom. Make N.Z. No. 108022 Cor'n Instr. -.15 Stem. -.53

Bottom Reading 53.9° Cor'd Temp. 53.2

Temp. Surf. 82° Time 10:56 a Time Air 81°

Density: Surf. 102491 fms. 1.02525

Wind: Direction NE Force 3

Baromet. 29.96 Amt. of Clouds 5 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

16.75 mi.

General Locality Off N. Luzon

Camiguin Id (W) N 6° W, Hermanos Id (N) N 86° E.

Position 18°-34' ~~00~~ (15") N 121°-~~58'-30"~~ (51'-15") E.

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

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

Depth of Haul

Apparatus and Rig used 12' Tanner - as before.

Time towing - h. 19 m.

Remarks: Water bottle used in sdg.

Deck Officer Mr Hazard Recorder V. Frutkit

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a. M.	Down.		Up.	a. M.			a. M.	Down.		Up.	a. M.	
10	41	40	10	44	30	0	10	56	00	11	47	40
	42	50		47	10	100	11	00	00		44	10
	44	05		46	00	200		03	30		41	05
10	44	30	10	45	30	224/300		07	20		37	50
						400		11	45		34	40
						450 500	11	13	20	11	32	00
						600						
						700						
						800						
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						4900						

Dredge / ~~Hydrog.~~ No. 5326 Date, Nov 12, 1908

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

Turns 230 Cor'n — Depth 280 fms.

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

Character of Bottom M.

Thermom. Make N. Z. No. 108022 Cor'n Instr. .17 Stem. -.47

Bottom Reading 56° Cor'd Temp. 55.4

Temp. Surf. 81° Time 1 15 / 81° Time 1 48 Air 82° / 81°

Density: Surf. 1.02437 fms. 1.02496

Wind: Direction N.N.E. Force 2

Baromet. 29.75 Amt. of Clouds 2 to 3 State of Sea 2

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

8.00 mi.

General Locality Off Northern Luzon

Camiguin (W) N 31° W, Hermanos (N) N 69° E.

Position 18° - 32' - 30" N, 122° - 01' - 00" E.

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

Drift: Direction S. 60° E. Distance 2. mi.

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 trimming weights, 1 tail weight, 3 glass floats, 1 mud bag.

Time towing h. 20 m.

Remarks: Water bottle used.

Deck Officer Mr. Cassidy Recorder C. E. Bedford

11—1023

405 bottom

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			P. M. Down.			Up.	P. M.	
12	56	30	1	04	05	0	1	08	20	2	06	05
12	57	40	1	02	40	100	1	12	20	2	02	10
12	59	15	1	01	30	200	1	16	00	1	58	05
12	59	45	1	00	55	230 ~~300~~	1	19	55	1	54	50
						400	1	23	45	1	51	00
						500	1	27	30	1	47	15
						600						
						700						
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Dredge ~~Hydrog.~~ No. 5327 Date, Nov. 12, 1908

Sdg. Mch. Lucas Reel Lucas Shot ~~Lead~~ 30 lbs.

Turns 198 Cor'n — Depth 198 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample about 1½ oz.

Character of Bottom Sft. M; fne. S.

Thermom. Make N.Z. No. 108022 Cor'n Instr. Stem.

Bottom Reading x (See Note) — Cor'd Temp. —

Temp. Surf. 82° Time 2:36 81° Time 3:05 Air 82½° 81°

Density: Surf. 1.02434 fms. 1.02468

Wind: Direction N.N.E. Force 2

Baromet. 29.75 Amt. of Clouds 5 to 9 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off northern Luzon 6.8 mi.

Puerto Pt, Palaui Id, S78° E, Hermanos Id (N) N55 E.

Position 18°31'-30" N 122° ~~02-50~~ 03-00

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

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used 12' Tanner, 2 wing weights, 1 tail weight, 3 glass floats, 1 mud bag.

Time towing h. 20 m.

Remarks: x Ther. failed to trip.
Water bottle used

Deck Officer Mr. Cassidy Recorder C.E. DeLong

11—1023

390 bottom

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M. Down.			Up.		P.M.		P.M. Down.			Up.		P.M.
2	13	10	2	19	10	0	2	23	40	3	13	55
2	14	20	2	17	45	100	2	27	30	3	10	10
2	15	30	2	16	30	198 ~~200~~	2	31	05	3	06	35
						300	2	34	55	3	03	05
						400	2	38	30	2	39	25
						~~500~~ 410	2	39	10	2	38	50
						600						
						700						
						800						
						900						
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						4900						

~~Dredge~~ Hydrog. } No. 4920 Date, Nov. 9, 1908

Sdg. Mch. Tur Reel — Shot Lead } 30 lbs.

Turns 46 Cor'n Depth 46 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

1.25 mi

General Locality

Ibugos Id (S end) N 81° W., Soltan Id (S end) S 30° E.

Position 20-19-15 N. 121 51 20 E.

Chart used: No. CS. 4710 Ed'n July 05

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	Down.		Up.	---- M.			---- M.	Down.		Up.	---- M.	
						0						
44	17	60				100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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to Insert after H. 4919 C.E.W.

Dredge / Hydrog. } No. 5328 Date, Nov 19, 1908

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

Turns Cor'n Depth 150 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom Blue M.

Thermom. { Make NZ / No. 108022 Cor'n { Instr. -.15 / Stem. -.45

Bottom Reading 54.5 Cor'd Temp. 53.9

Temp. Surf. { 79° / 78° Time 9.30 a / Time 10.30 a } Air { 78 / 78°

Density: Surf. 1.02464 fms. 1.02513.

Wind: Direction NE Force 3

Baromet. 30.00 Amt. of Clouds 6 State of Sea S

Weather bcy.

Direction and Force of Current. { Surface / Bottom

Tide Hermanos Id N 79° E, 28.4 mi.

General Locality Off Northern Luzon

Fort Id (W) N21E Palani Id (N) N80E

Position 18-29-45 N-121-39-00 E

Chart used: No. 4711 CS. Ed'n May '07

Drift: Direction N52W Distance 1.2

Depth of Haul bottom

Apparatus and Rig used 10' Tanner, mud bag tail wt. wing wts 3 glass floats

Time towing — h. 20 m.

Remarks: Water bottle used in sounding

Deck Officer McCassidy Recorder Roberts

11—1023

Bm 310

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M.	Down.		Up.	a M.			a M.	Down.		Up.	a M.	
9	20	30	9	26	30	0	9	30	30	10	17	20
	22	40		24	50	100		34	10		13	20
9	25	20	9	24	20	150 200		38	10		09	20
						300		42	30		05	30
						305 400	9	44	00	10	04	00
						500						
						600						
						700						
						800						
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pl.

Dredge ~~Hydrog.~~ No. 5329 Date, Nov 19, 1908

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

Turns Cor'n Depth 212 fms.

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

Character of Bottom Blue M.

Thermom. Make N.Y. No. 108022 Cor'n Instr. -.13 Stem. -.48

Bottom Reading 52. Cor'd Temp. 51.4

Temp. Surf. 78° Time 11.10 a 78° Time Air 79° 79°

Density: Surf. 1.02492 fms. 1.02593

Wind: Direction NE Force 3

Baromet. 29.95 Amt. of Clouds 7 State of Sea S

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

24.25 mi.

General Locality

Fort Id (W) 28 E. Palavi Id (N) N 87 E.

Position 18-33-00 N - 121-37-30

Chart used: No. SC4711 Ed'n 38. "May" 07

Drift: Direction N 50 W Distance 2.2

Depth of Haul bottom

Apparatus and Rig used as before

Time towing h. m.

Remarks: Water bottle used at sounding

Deck Officer Mr Cassedy Recorder Roberts

11—1023

Below 300

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			a M. Down.			Up.	a M.	
10	50	00	11	02	00	0	11	06	40	12	04	50
10	56	30	11	00	40	100		11	20	12	00	30
10	58	00	10	59	30	200		14	40		56	15
10	58	15	10	59	15	212 300		18	00		52	10
						400		21	40		48	00
						450 500	11	23	30	-	-	-
						600		25	00	11	33	30
						700						
						800						
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pl.

Dredge ~~Hydrog.~~ No. 5330 Date, Nov. 19, 1908

Sdg. Mch. Lucas Reel Lucas Shot ~~Lead~~ 75 lbs.

Turns 178 Cor'n — Depth 178 fms.

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

Character of Bottom bn. ST.

Thermom. Make N.B. No. 108022 Cor'n Instr. -.15 Stem. -.45

Bottom Reading 54° Cor'd Temp. 53.4

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

Density: Surf. 1.02576 fms. 1.02523

Wind: Direction NE Force 3

Baromet. 29.92 Amt. of Clouds 9 State of Sea L.

Weather fog.

Direction and Force of Current. Surface Bottom

Tide

23.3 mi.

General Locality Off Northern Luzon.

Fort Id. (W) N24E - Fuga Id. (E) N32W

Position 18°33'30" N - 121°39'15" E

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

Drift: Direction — Distance —

Depth of Haul Bottom

Apparatus and Rig used As before.

Time towing — h. 20 m.

Remarks: Waterbottle used in Stg.; strong current to W^d experienced.

surf. & tr. thermo. broken.

Deck Officer Mr. Melton Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				P. M. Down.			Up. P. M.		
1	05	25	1	14	30	0	1	17	55	2	10	50
	06	35		13	20	100		21	30		07	10
1	14	50	1	12	40	178 200		25	15	2	03	30
						300		27	50		59	30
						400		30	40		55	40
						470 ~~500~~	1	32	45	1	52	40
						600						
						700						
						800						
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						4800						
						4900						

pl.

Dredge ~~Hydrog.~~ No. 5331. Date, Nov 22, 1908

Sdg. Mch. Lucas Reel Lucas Shot ~~Lead~~ 30 lbs.

Turns 178 Cor'n — Depth 178 fms.

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

Character of Bottom S. Sh., M.

Thermom. Make N.Z. No. 108022 Cor'n Instr. -.15 Stem. -.46

Bottom Reading 55.3° Cor'd Temp. 54.7

Temp. Surf. 80° Time 8 29 80° Time 9 02 Air 80½° 80½°

Density: Surf. 1.02422 fms. 1.02496.

Wind: Direction Variable Force 0-1

Baromet. 29.71 Amt. of Clouds 1 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

7.3 mi.

General Locality Off ~~Northern~~ West Coast Luzon

Hermana Menor (E) N 13° E, Mt. Savat N 83° E.

Position 15° 36' 45" ~~37' 30"~~ N - 119° 47' 45" E.

Chart used: No. 4712 C.S. Ed'n Sept. '04

Drift: Direction S 49° E. Distance 2.

Depth of Haul bottom

Apparatus and Rig used 12' Tanner 2 trimming weights, 1 tail weight, 3 glass floats, 1 mud bag.

Time towing h. 20 m.

Remarks: Water bottle used

Deck Officer Mr. Cassidy Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up. A. M.				A. M. Down.			Up. A. M.		
8	10	30	8	14	45	0	8	20	50	9	20	20
8	11	20	8	13	50	100	8	24	45	9	16	50
8	12	10	8	13	10	178 ~~200~~	8	28	15	9	13	20
						300	8	31	55	9	09	45
						400	8	34	55	9	06	15
						500	8	39	05	9	02	45
						~~600~~ 550	8	41	05	9	00	50
						700						
						800						
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To here
Tables made out & sent
to Bureau. Dec. 9/05.

Dredge / ~~Hydrog.~~ No. 5332 Date, Dec 12, 1928

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

Turns Cor'n Depth 745 fms.

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

Character of Bottom gn m.

Thermom. Make N.Z. No. 108022 Cor'n Instr. -.8 Stem.

Bottom Reading 39° Cor'd Temp. 38.2

Temp. Surf. 81° Time 11.00 a 81° Time 12.15 p Air 84 82°

Density: Surf. 1.02385 Bottom fms. 1.02548

Wind: Direction various Force 0-1

Baromet. 2995 Amt. of Clouds 4 State of Sea S

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide

General Locality Mindoro Strait.

Pandan I (N) N26E, Dongon Pt. S58° E.

Position 12°47'15"N - 120°41'00" E.

Chart used: No. C.S. 4714 Ed'n —

Drift: Direction X Distance X

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 20 m.

Remarks: water bottle used

Koford #2 over side towed 10 m

— Net came up foul of the beam. — After haul cut off 143 fms. Kinked dredge wire.

Deck Officer Mr Johnstone Recorder Roberts

Hazard Arnold

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up.	A. M.			A. M. Down.			Up.	P. M.	
10	29	10	10	49	00	0	10	56	10	1	25	20
	31	00		47	20	100	11	00	20		21	20
	32	10		46	30	200		03	35		17	55
	33	20		45	40	300		07	00		14	30
	34	30		44	50	400		10	00		11	10
	35	40		44	00	500		13	10		07	50
	37	10		43	00	600		15	30		04	30
	38	20		41	50	700		18	20	1	01	00
10	39	00	10	40	30	740 800		21	40		57	15
						900		23	10		55	45
						1000		25	20		50	20
						1100		27	30		46	30
						1200		29	30		42	30
						1300		32	05		37	20
						1400		34	40		34	00
						1500		37	30		29	45
						1600		40	40		25	40
						1700		43	00		22	50
						1800		45	00		19	00
						1900		48	00		14	40
						2000	11	50	30	12	10	30
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~~Dredge~~ Hydrog. No. H. 4921 Date, Dec 12, 1908

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

Turns 584 Cor'n — Depth 584 fms.

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

Character of Bottom gy M. Cr. S.

Thermom. Make N.B. No. 108022 Cor'n Instr. -.8 Stem.

Bottom Reading 41° Cor'd Temp. 40.2

Temp. Surf. 82° Time 2:00 p. Time Air 83°

Density: Surf. 1.02401 Bottom fms. 1.02535

Wind: Direction — Force —

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

Weather —

Direction and Force of Current. Surface Bottom

Tide

General Locality Mindoro Strait.
Sablayan Pt. N 44 E - Dongon Pt S 48 E.

Position 12°47'45" N - 120°42'15" E.

Chart used: No. CS 4714 Ed'n —

Drift: Direction X Distance X

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Water bottle used at Sdg.
— After sounding bent double core to dredge wire and let out 500 fms. to get turns out. Discovered wire kinks and cut off 80 fms. dred wire. total 223 fms. dredge wire cut off this day.

Deck Officer W. Fryer Recorder [illegible]

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
p.	M. Down.		Up.	p.	M.		___ M. Down.			Up.	___ M.	
1	43	10	1	59	40	0						
	44	15		56	40	100						
	45	30		55	45	200						
	46	55		55	00	300						
	48	10		54	05	400						
	49	30		53	05	500						
1	50	55	1	52	00	584/~~600~~						
						700						
						800						
						900						
						1000						
						1100						
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						4900						

Dredge ~~Hydrog.~~ No. 5333 Date, Dec 14, 1908

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

Turns 310 Cor'n — Depth 310 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom S.

Thermom. Make N.Z. No. 108022 Cor'n Instr. -.4 Stem.

Bottom Reading 74.2° Cor'd Temp. 73.8

Temp. Surf. 80° Time 7 56 a 80° Time 9:10 a Air 79° 81°

Density: Surf. 1.02406 Botm fms. 1.02543

Wind: Direction Force 1

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

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Windoro Strait.

Lagat I (m) S57W - Amboton I (W) S56E

Position 12°26'30"N - 120°37'45"E.

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

Drift: Direction X Distance X

Depth of Haul

Apparatus and Rig used 12' Agassiz, N.R., 3 glass floats, 2 trimming weights, 1 tail weight, mud bag

Time towing h. 22 m.

Remarks: Water bottle used
#2 Roford overside towing
620 faths. out towing 12 m. then let out to 750 towed 10 m

Deck Officer Mr Rohange Mr Hazard. Recorder Roberts C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M.	Down.		Up.	a M.			a M.	Down.		Up.	a M.	
7	36	25	7	44	20	0	7	49	10	9	05	10
7	37	25	7	43	10	100	7	53	00	9	01	20
7	38	30	7	42	10	200	7	56	35		58	00
7	39	40	7	40	55	300	8	00	00		54	30
7	39	45	7	40	45	310 400		03	10		50	40
						500		06	30		46	30
						600		09	20		43	00
						620 700	8	10	00			
						700 800	8	14	30		39	40
						750 ~~900~~	8	26	30	8	36	30
						1000						
						1100						
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Dredge ~~Hydrog.~~ No. 5334 Date, Dec 14, 1908

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

Turns Cor'n Depth 612 fms.

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

Character of Bottom gy m

Thermom. Make N.Z. No. 10822 Cor'n Instr. -.8 Stem.

Bottom Reading 44. Cor'd Temp. 43.2

Temp. Surf. 80° Time 9:30 a 80° Time 11:50 a Air 81° 82°

Density: Surf. 1.02385 btm 1.02516 fms.

Wind: Direction NW Force 1

Baromet. 2896 Amt. of Clouds 6 State of Sea S

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

General Locality Windoro Strait.

Lagat Id (m) S 60 W, Ambolon I (W) S 57 E.

Position 12°25'40" N - 120°38'00" E.

Chart used: No. CS 4714 Ed'n -

Drift: Direction S 60° W. Distance 2 m.

Depth of Haul Bottom

Apparatus and Rig used as before

Time towing h. 6 m.

Remarks: water bottle was used in sounding #2 Koford put over side at 958 a. in 11:00 a 6 tons pressure on acum. When 115 fms were out, at 12:02, there was a sudden release on accumulator. Lost frame, net 3 glass floats, 2 runner wts, bridles carried away; mudbag & tail wt. saved.

Deck Officer Mr Rohange Recorder McRoberts

11—1023

Arrikil - 11:50 a

Botm 9 8

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a	M. Down.		Up.	a	M.		a	M. Down.		Up.	a	M.
9	10	25	9	26	40	0	9	30	30	12	07	00
	11	30		25	30	100		34	30	12	02	30 p
	12	40		24	30	200		38	20		56	30
	13	50		23	30	300		41	30		43	00
	15	00		22	40	400		44	40		33	45
	16	50		21	10	500		48	00		24	00
	18	10		19	25	600		51	10		14	35
9	18	30	9	19	30	612 700		53	50	11	02	30
						800		57	10		56	35
						900	10	00	30		51	45
						1000		03	50		47	00
						1100		07	30		42	00
						1200		10	40		36	30
						1300		13	45		31	30
						1400	10	17	00	10	23	30
						1500						
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Dredge ~~Hydrog.~~ No. 5335 Date, 18 Dec, 1908

Sdg. Mch. T. N Reel Shank ~~Shot~~ Lead 20 lbs.

Turns 46 Cor'n — Depth 46 fms.

Sdg. Cup arming Amt. Bot'm Sample trace

Character of Bottom S. M.

Thermom. Make N.Z. No. 108022 Cor'n Instr. — Stem. —

Bottom Reading Thermo. didn't trip Cor'd Temp. — A

Temp. Surf. 80° Time 12:30p. 81° Time 12:50p. Air 82° 83°

Density: Surf. ——— fms.

Wind: Direction E.N.E. Force 6

Baromet. 29.89 Amt. of Clouds 5 State of Sea C.

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide

General Locality Linapacan Strait Escucha Id. S14W Pagaldaun (N) S 82 E.

Position 11-37-00 N - 119-48-45 E

Chart used: No. 4716 CS Ed'n

Drift: Direction N77W Distance 1.2

Depth of Haul Bottom.

Apparatus and Rig used 9' Tanner, 3 gl. floats, 2 wing wts., 1 tail wt., mudbag.

Time towing — h. 17 m.

Remarks: Thermometer failed to trip at sdg. - Commenced trawling with 120 fms. dredge rope; let out to 132 last 4 min. of haul.

Deck Officer Mr. Hazard Recorder Arnkil

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
3 M. Down.			Up. 3 M.				3 M. Down.			Up. 3 M.		
12	21	25	12	23	55	0	12	24	20	12	52	30
12	21	55	12	22	00	46 ~~100~~		28	45		48	10
						~~200~~ 120		29	30			
						~~300~~ 132	12	42	30	12	46	30
						400						
						500						
						600						
						700						
						800						
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						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5336. Date, 18 Dec., 1908

Sdg. Mch. TN Reel Shank ~~Shot~~ Lead 20 lbs.

Turns 46 Cor'n – Depth 46 fms.

Sdg. Cup arming Amt. Bot'm Sample trace

Character of Bottom S.M.

Thermom. Make / No. none used Cor'n Instr. – Stem. –

Bottom Reading – Cor'd Temp. –

Temp. Surf. 81° Time 1:26 p. / 81° Time 1:32 p. Air 82.5° / 82.50

Density: Surf. – – fms. –

Wind: Direction ENE Force 5

Baromet. 29.88 Amt. of Clouds 6 State of Sea C.

Weather bcz

Direction and Force of Current. Surface / Bottom

Tide

General Locality China Sea

Escucha Id. S 23 E Pangaldaun (N) S 83 E

Position 11-37 N - 119-46-06 E

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

Drift: Direction N 80 W Distance 1.2

Depth of Haul bottom

Apparatus and Rig used As before.

Time towing – h. 7 m.

Remarks: After towing 6 min. accumulator suddenly registered 3 tons for an instant. Apparatus came up with 1 runner wrenched from beam and net wrecked – bottom out of it.

Deck Officer Mr. Hazard Recorder Amiril

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
~~B.~~ M.	Down.		Up.	~~B.~~ M.			~~B.~~ M.	Down.		Up.	~~B.~~ M.	
1	15	00	1	17	25	0	1	18	20	1	42	00
1	15	30	1	15	40	46 ~~100~~		22	50		33	00
						~~200~~ 130		24	30			
						~~300~~ 140	1	25	30	1	31	30
						400						
						500						
						600						
						700						
						800						
						900						
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						1100						
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~~37~~	~~15~~					2600						
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						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5337 Date, Dec 20, 1908

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

Turns 43 Cor'n — Depth 43 fms.

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

Character of Bottom fne. Co. S.; M.

Thermom. Make None / No. used Cor'n Instr. / Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 80° Time 7 37 / Time Air 81°

Density: Surf. 1.02427 fms.

Wind: Direction N.E. Force 2

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

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Calitan I'd (W) S 8° E. Observatory I'd (N) S 81° E.; Clinca Sea

Position 11° 33' 15" N.; 119° 26 00 E.

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

Drift: Direction S 82 W Distance 1.0 mi

Depth of Haul bottom

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

Time towing h. 8 3/4 m.

Remarks:

Deck Officer Mr. Hazard Recorder C. E. DeLong

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up. a M.				a M. Down.			Up. a M.		
7	30	50	7	32	25	0	7	35	00	7	54	0
7	31	10	7	31	15	43 100	7	39	50	7	49	45
						110 ~~200~~	7	40	25	7	49	10
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						1200						
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						1900						
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						2400						
						2500						
						2600						
~~83-15~~						2700						
						2800						
						2900						
						3000						
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						4200						
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						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5338 Date, Dec 20, 1908

Sdg. Mch. Tanner Reel Tanner ~~Shot~~ Lead 18 lbs.

Turns 43 Cor'n Depth 43 fms.

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

Character of Bottom Co. s + m

Thermom. Make None used Cor'n Instr. Stem.

No.

Bottom Reading Cor'd Temp.

Temp. Surf. 80° Time 8:10 Air 81°

80° Time 8:40 81°

Density: Surf. fms.

Wind: Direction East Force 2

Baromet. 29.95 Amt. of Clouds 9 State of Sea S

Weather bcy.

Direction and Force of Current. Surface

Bottom

Tide

General Locality China Sea

Calitan Id (W) S17E Observatory Id S82E

Position 11-33-15N - 119-24-30E

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

Drift: Direction N70W Distance 1.3

Depth of Haul bottom

Apparatus and Rig used as before

Time towing h. 20 m.

Remarks:

#2 Koford put over at 8:15 a taken at 8:35

Deck Officer Mr Rohanger Recorder Roberts

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			a M. Down.			Up.	a M.	
8	03	20	8	05	10	0	8	05	00	8	38	55
8	04	00	8	04	10	43 100	8	11	00		33	30
						~~200~~ 120	8	12	00	8	32	00
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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~~33-15~~			~~2430~~			2600						
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						4800						
						4900						

~~Dredge~~ Hydrog. No. 4922 Date, Dec 20, 1908

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

Turns 21 Cor'n Depth 21 fms.

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

Character of Bottom coral sn. & sh.

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time Time Air

Density: Surf. fms.

Wind: Direction NE Force 2

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

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea

Tapintan I. (US) S 5 E Lalutaya I (N) S 74 E

Position 11-25-~~45~~ 36 N - 119-~~18~~ 30 E

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

Drift: Direction — Distance —

Depth of Haul —

Apparatus and Rig used —

Time towing — h. — m.

Remarks:

Deck Officer Mr Rohanger Recorder Roberts

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
@ M. Down.			Up.		@ M.		___ M. Down.			Up.		___ M.
10	01	00	10	01	55	0						
10	01	10	10	01	30	21 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						2300						
						2400						
						2500						
~~12-36~~			13-45			2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
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						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5339 Date, Dec. 20, 1908

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

Turns 52 Cor'n Depth 52 fms.

Sdg. Cup Arming Amt. Bot'm Sample 10 oz.

Character of Bottom M

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

Bottom Reading Cor'd Temp.

Temp. Surf. 81° Time 10:35 a Air 83
81° Time 11:10 a 84

Density: Surf. 1.02406 fms.

Wind: Direction N.E. Force 2-3

Baromet. Amt. of Clouds 8 State of Sea S

Weather bcy.

Direction and Force of Current. Surface Bottom

Tide

General Locality China sea (59)
Tapsutan I. W. S 17 E. Canayan I. (N) S 19 E

Position 11-21-40 N - 119-12-00 E

Chart used: No. 4716 CS. Ed'n

Drift: Direction S 58 W Distance 2.2 / 2.2

Depth of Haul bottom

Apparatus and Rig used 9' ft. Tanner, 3 glass ball 2 wing wts. 1 tail wt. m bag 250 lb cable wt.

Time towing h. 20 m.

Remarks:
#5 Koford over side towing

Deck Officer Mr Rohange Recorder Roberts

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up. a M.				a M. Down.			Up. a M.		
10	32	00	10	33	25	0	10	36	10	11	10	00
10	32	25	10	32	30	100		41	05	11	05	40
						150 ~~200~~	10	43	10	11	03	10
						300						
						400						
						500						
						600						
						700						
						800						
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						4000						
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						4300						
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						4500						
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						4700						
						4800						
						4900						

to here checked

Dredge / ~~Hydrog.~~ No. 5340 Date, Dec 22, 1908

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

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

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

Character of Bottom ..... Sounding by machine

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

Bottom Reading 80° ..... Cor'd Temp. .....

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

Density: Surf. ..... fms. .....

Wind: Direction NE Force 2

Baromet. 29.81 Amt. of Clouds 7 State of Sea 5

Weather Dcz.

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

Tide .....

General Locality Bolab Bay, Palawan (W). Saddle Hill S 54° W. Cone Id. (m) N 2° E.

Position 10°55'51" N - 119°14'12" E.

Chart used: No. 4349. Ed'n —

Drift: Direction N 3° W Distance 4 m.

Depth of Haul 2 fms. from bottom.

Apparatus and Rig used 5' Surface & double cone, used as intermediate (2 fms. from bottom).

Time towing — h. 30 m.

Remarks: Soundings were taken by hand during entire haul, from 19 to 24 fms., and net lowered accordingly to maintain a depth 2 fms. from bottom.

Deck Officer Wm. Hazard Recorder Frutig

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M. Down.			Up.	---- M.			a M. Down.			Up.	a M.	
						0	8	12	00	8	34	00
						~~100~~ 18	8	13	20			
						200 20	8	15	30			
						300 22	8	21	30	8	33	00
						400						
						500						
						600						
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3-5-	3-5-					2600						
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						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5341 Date, Dec 23, 1908

Sdg. Mch. Hand line ~~Reel~~ ~~Shot~~ / Lead 14 lbs.

~~Turns~~ ~~Cor'n~~ Depth 19 to 22 fms.

Sdg. Cup — Amt. Bot'm Sample Small amt in M bag

Character of Bottom gy. M

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 82° Time 2 00 / 82° Time 2 15 Air 83° / 83°

Density: Surf. fms.

Wind: Direction Various Force 1

Baromet. 29.81° Amt. of Clouds 9 State of Sea S

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Malampaya Sd, Palawan I.
Pillar Pt (E) S26W Bando Pt S41E

Position 10-57-51 N 119-17-26 E

Chart used: No. 4349 CS Ed'n

Drift: Direction S2E Distance 7 m.

Depth of Haul bottom

Apparatus and Rig used 9' Tanner, 2 wing weights, 1 tail weight, 3 glass floats, 1 mud bag; 1 Kofoid # 2 over side towing

Time towing h. 15 m.

Remarks: ~~Not~~

Deck Officer Mrc Rohagx Recorder C. E. DeLong

11—1023

30 bottom

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.		M.		P.M.	Down.		Up.	P.M.	
19						0	1	56	30	2	16	40
19						40 ~~100~~	1	59	00			
						50 ~~200~~	2	01	30			
						60 300	2	02	45	2	14	00
						400						
						500						
						600						
						700						
						800						
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57-50			- 17.30			2500						
						2600						
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						3100						
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						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5342 Date, Dec 23, 1908

~~Sdg. Mch.~~ Reel ~~Shot~~ / Lead 14 lbs.

Soundings taken with hand line 14-24

~~Turns~~ Cor'n Depth 22 to 25 fms.

~~Sdg. Cup~~ Amt. Bot'm Sample Net

Character of Bottom gy. M.

Thermom. ~~Make~~ / No. None Cor'n Instr. / Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 82° Time 2 25 / 82° Time 2 45 Air 82½° / 82½°

Density: Surf. fms.

Wind: Direction Various Force 1-2

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

Weather bc.

Direction and Force of Current. Surface / Bottom

Tide

General Locality Malampaya Sd Palawan I Malapina I (E) S 31 E White Pt S 13 W

Position 10-56-55 N 119-17-24 E

Chart used: No. 4349 LS Ed'n

Drift: Direction S 25 W Distance .7 m.

Depth of Haul bottom

Apparatus and Rig used 9' Tanner, 2 trimming weight, 1 tail weight, 1 sinker 80# 3 glass floats

Time towing h. 19 m.

Remarks: Net slightly torn.

Deck Officer Ms. Rohanger Recorder C. E. Long

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
___ M. Down.			Up.	___ M.			P M. Down.			Up.	P M.	
						0	2	22	30	2	47	40
						70 ~~100~~	2	25	15			
						85 ~~200~~	2	34	30	2	44	00
						300						
						400						
						500						
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						4900						

Dredge / ~~Hydrog.~~ No. 5343 Date, Dec 26, 1908

Sdg. Mch. none used Reel — Shot / Lead — lbs.

Turns — Cor'n — Depth 4½ - 5 fms.

Sdg. Cup — Amt. Bot'm Sample —

Character of Bottom m

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

Bottom Reading Cor'd Temp.

Temp. Surf. 81° Time 7:45 a 81° Time 8:05 Air 80° 80

Density: Surf. fms.

Wind: Direction calm Force —

Baromet. 29.90 Amt. of Clouds 8 State of Sea S

Weather bcf.

Direction and Force of Current. Surface Bottom

Tide

General Locality Malampaya Sd Palawan Cliff Id (Mid) S21E. Mallarois I (Mid) S83W

Position 10-51-35N - 119-23-24E

Chart used: No. 4349 Ed'n

Drift: Direction S78W Distance .4

Depth of Haul bottom

Apparatus and Rig used 6 ft McCormick trowl, 150# cable wt. 1 tail wt.

Time towing — h. 15 m.

Remarks:

Deck Officer Mr Hazard Recorder Roberts

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	Down.		Up.	---- M.			a M.	Down.		Up.	a M.	
						0	7	44	45	8	03	20
						30 ~~100~~	7	46	20	8	01	50
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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51-36-			23-15			2700						
						2800						
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						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5344 Date, Dec 26, 1908

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

Turns — Cor'n — Depth 5½ — fms.

Sdg. Cup — Amt. Bot'm Sample —

Character of Bottom m

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

Bottom Reading — Cor'd Temp. —

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

Density: Surf. fms.

Wind: Direction Calm Force —

Baromet. 29.90 Amt. of Clouds 7 State of Sea S

Weather bc

Direction and Force of Current. Surface
Bottom

Tide

General Locality Malampaya Sd. Palawan
Cliff I (mid) S32E. Peaked I (mid) S84W

Position 10-50-40-X-119-22-32E

Chart used: No. 4349 Ed'n

Drift: Direction S18W Distance 7

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 26 m.

Remarks:

Deck Officer Mr Rohanyi Recorder Roberts

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	Down.		Up.		---- M.		a M.	Down.		Up.	a M.	
						0	8	19	50		49	45
						~~100~~ 35	8	21	30	8	47	45
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
		72-36				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. 5345 Date, Dec 26, 1908

Sdg. Mch. hand lead Reel — Shot / Lead — lbs.

Turns — Cor'n — Depth 7 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. 81° Time 9:15 a / 81 Time 9 45 a Air 80 / 81

Density: Surf. fms.

Wind: Direction various Force —

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

Weather bcy

Direction and Force of Current. Surface / Bottom

Tide

General Locality Malampaya Sd. Palawan ~~584 W~~

Mallarois 2 (Mid) N 33 W Peaked 2d (Mid) N 76 W

Position 10-50-00 N - 119-22-03 E

Chart used: No. 4349 Ed'n

Drift: Direction N 47 W Distance .6

Depth of Haul bottom

Apparatus and Rig used 9' [illegible] 150# cable wt.

2 wing wts, 3 glass balls, tail wt.

Time towing — h. 20 m.

Remarks:

Deck Officer Mr Rohange Recorder Roberts

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.		DOWN.	UP.		M.		AM.		DOWN.	UP.		AM.
						0	9	13	30	9	4	00
						100	9	16	00	9	36	00
						200						
						300						
						400						
						500						
						600						
						700						
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		42-10				2700						
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						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

18 15 6
10890

Spices in wine at

55
1065