No 4.

D. 5216

to D. 5258.

Next Ay=

Next Hy = 4912 (?)

Dredge / ~~Hydrog.~~ No. 5216. Date, 22 Apl., 1908

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

Turns 215 Cor'n - Depth 215 fms.

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

Character of Bottom gn M.

Thermom. Make N.3. No. 108023 Cor'n Instr. -.43 Stem. -.38

Bottom Reading 52.7° Cor'd Temp. 51.9°

Temp. Surf. 80° Time 8:28 a 80° Time 9:00 a Air 80° 80°

Density: Surf. 1.02481 fms. 1.02466

Wind: Direction NNE Force 2

Baromet. 29.77 Amt. of Clouds 2 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

Punta Sola 2d. N44°W 29.5 mi.

General Locality Bet. Burias and Luzon

Aguja Pt (Burias) S2°W Nanun Pt (Ticao)

Position 12°52'00"N - 123°23'40"E. S53°E.

Chart used: No. CS 4715 Ed'n -

Drift: Direction N42W Distance 1.5 mi.

Depth of Haul Bottom

Apparatus and Rig used 12' Sigsbee NR trawl. 3 glass float, 2 wingweights, 1 tail weight, 1 mudbag.

Time towing - h. 20 m.

Remarks: Water bottle used in Sdg. - The regular recording watch being out of commission time is kept by a watch without second hand.

Deck Officer H. Cassidy Recorder Antil

11-1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ∫ M. | Down. | | Up. | ∫ M. | | | ∫ M. | Down. | | Up. | ∫ M. | |
| 8 | 17 | - | 8 | 22 | - | 0 | 8 | 24 | - | 9 | 11 | - |
| | 18 | - | | 21 | - | 100 | | 28 | - | | 07 | - |
| | 19 | - | | 20 | - | 200 | | 31 | - | 9 | 03 | - |
| 8 | 19 | - | 8 | 20 | - | 215 300 | | 34 | - | | 59 | - |
| | | | | | | 400 350 | 8 | 36 | - | 8 | 56 | - |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5217 Date, 22 Sept. , 1908

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

Turns 105 Cor'n — Depth 105 fms.

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

Character of Bottom crs gy S

Thermom. { Make N.Z. / No. 108023 } Cor'n { Instr. -.31 / Stem. -.26 }

Bottom Reading 63.7° Cor'd Temp. 63.1°

Temp. Surf. { 82° Time 10:40a. / 81° Time 11:10a } Air { 82.5° / 85° }

Density: Surf. 1.02489 fms. 1.02496

Wind: Direction SSE Force 2

Baromet. 29.76 Amt. of Clouds 2 State of Sea S

Weather fc

Direction and Force of Current. { Surface / Bottom }

Tide

Quima Sola 2d N42°W 17.25 mls.

General Locality Bet. Burias & Luzon.

Cabarian Pt. (Luzon) N89E - Nasoto Pt (Luzon)

Position 13°00'20"N - 123°14'15"E - N37°E.

Chart used: No. CS 4715 Ed'n -

Drift: Direction N45°W Distance 1.2 m.

Depth of Haul Bottom.

Apparatus and Rig used As before.

Time towing h. 1 m.

Remarks: Water bottle used at sdg. — The thermometer registered very high when sent down — had been exposed to the sun — and this left at bottom 2 min. had probably not reached the proper temperature when hove up.

Deck Officer W. F. Cassidy Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] M. DOWN. | | | UP. [illegible] M. | | | | [illegible] M. DOWN. | | | UP. [illegible] M. | | |
| 10 | 30 | | 10 | 34 | | 0 | 10 | 37 | - | 11 | 11 | - |
| 10 | 31 | | 10 | 33 | | 100 | | 40 | - | | 07 | - |
| | | | | | | 200/168 | 10 | 44 | - | 11 | 04 | - |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5218 Date, April 22, 1908

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

Turns 20 Cor'n — Depth 20 fms.

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

Character of Bottom crs. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 82° Time 1.02 Air 86°
82° Time 1.10 86°

Density: Surf. 1.02538 fms.

Wind: Direction Calm Force 0

Baromet. 29.70 Amt. of Clouds .1 State of Sea S

Weather bc

Direction and Force of Current. Surface
Bottom

Tide

2.25 mi.

General Locality Anima Solo I (C) N 10° W
Tanguingui I. (C) S 87° W. Between Surin and Luzon

Position 13°-11'-00" N. 123° 2' 45" E

Chart used: No. 4715 C.S. Ed'n

Drift: Direction N. 16° W. Distance .2 mi.

Depth of Haul

Apparatus and Rig used 9' Alb Blake, harrow, 1 glass float, 1 tail weight

Time towing h. 5 m.

Remarks:

Deck Officer Mr Metters Recorder C. E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. Down. | | | Up. | | P. M. | | P. M. Down. | | | Up. | | P. M. |
| 12 | 58 | – | 12 | 59 | – | 0 | 1 | 02 | 30 | 1 | 11 | 10 |
| 12 | 58 | – | 12 | 59 | – | 20 | 1 | 04 | 30 | 1 | 09 | 20 |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. S-219 Date, April 25, 1908

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

Turns S-30 Cor'n — Depth S-30 fms.

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

Character of Bottom gr. M.

Thermom. Make N.Z. No. 108023 Cor'n Instr. -.49 Stem. -.53

Bottom Reading 51.8 Cor'd Temp. 50.8

Temp. Surf. 86° Time 2.09 / 87° Time 2.57 Air 84° / 86½°

Density: Surf. 1.02468 fms. 1.02467

Wind: Direction S x W. Force 2-3

Baromet. 29.70 Amt. of Clouds 5 State of Sea 2

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

Mompog Id (N) N 35° 30' W, 12.25 mi.

General Locality Subang Pt (Marinduque) S 61° W. Pt Nak. & Bondoc Pt. S 5-7° E. (Between Marinduque and Luzon)

Position 13° 21' 00" N. 112° 18' 45" E

Chart used: No. 4715 C.S. Ed'n

Drift: Direction N 27° E Distance 1.5 mi.

Depth of Haul bottom

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

Time towing h. 20 m.

Remarks:

Deck Officer Mr. Hazard Recorder C. E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | | P. M. | | P. M. | Down. | | Up. | | P. M. |
| 1 | 52 | — | 2 | 02 | — | 0 | 2 | 08 | 00 | 3 | 35 | 05 |
| 1 | 53 | — | 2 | 02 | — | 100 | 2 | 12 | 20 | 3 | 31 | 50 |
| 1 | 54 | — | 2 | 01 | — | 200 | 2 | 16 | 00 | 3 | 26 | 20 |
| 1 | 55 | — | 2 | 01 | — | 300 | 2 | 19 | 20 | 3 | 21 | 45 |
| 1 | 56 | — | 2 | 00 | — | 400 | 2 | 22 | 45 | 3 | 16 | 35 |
| 1 | 57 | — | 1 | 59 | — | 500 | 2 | 26 | 00 | 3 | 12 | 20 |
| 1 | 57 | — | 1 | 58 | — | ~~600~~ 530 | 2 | 29 | 20 | 3 | 07 | 30 |
| | | | | | | 700 | 2 | 33 | 10 | 3 | 02 | 15 |
| | | | | | | 800 | 2 | 36 | 30 | 2 | 56 | 30 |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5220 Date, April 24, 1908

Sdg. Mch. Tanner Reel 8H ~~Shot~~ Lead 30 lbs.

Turns 50 Cor'n Depth 50 fms.

Sdg. Cup Tallow on lead Amt. Bot'm Sample 2 oz

Character of Bottom sf. gn m.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 85° Time 1.05 P 85° Time 1.31 P Air 87° 87°

Density: Surf. 1.02493 fms.

Wind: Direction Variable Force 0

Baromet. 29.73 Amt. of Clouds 3 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

8.5 mi.

General Locality San Andres Is (W) S 57 W Banot I (E) S 1° W between Marinduque & Luzon

Position 13-38-00 N - 121-58-00 E

Chart used: No. 4714 Ed'n

Drift: Direction N 5 ~~K~~ W Distance 7

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz HR in bag 1 tail wt 3 glass balls 2 wing wts.

Time towing — h. 14 m.

Remarks: 3 to 4 ton pressure on acc'tr while heaving in

Deck Officer Mr Cassidy Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. Down. | | | Up. | | P. M. | | P. M. Down. | | | Up. | | P. M. |
| 12 | 56 | - | 12 | 58 | | 0 | 1 | 02 | - | 1 | 30 | - |
| 12 | 57 | - | 12 | 57 | - | 50100 | 1 | 06 | - | 1 | 20 | 15 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5221 Date, April 24, 1908

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

Turns Cor'n Depth 193 fms.

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

Character of Bottom gn m

Thermom. Make T.L. No. 108023 Cor'n Instr. -.~~49~~ 26 Stem. -.44

Bottom Reading 53.1 Cor'd Temp. 52.~~4~~

Temp. Surf. 84° Time 312 P 84 Time Air 85° 85

Density: Surf. 1.02503 Botm fms. 1.02467

Wind: Direction WSW Force 1

Baromet. 29.69 Amt. of Clouds 3 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality San Andres 20 (W) S 27 E Banol 2 (E) S 58 E, between Marinduque & Luzon 5.5 mi.

Position 13-38-15 N - 121 - 48-15 E

Chart used: No. 4714 Ed'n

Drift: Direction N 21 W. Distance 1.0

Depth of Haul bottom

Apparatus and Rig used Same as before

Time towing h. 20 m.

Remarks:

Deck Officer Mr Cussidy Recorder Roberts

11—1023

| SOUNDING WIRE. P M. Down. | | | Up. P | M. | FMS. | DREDGING CABLE. P M. Down. | | | Up. P | M. |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 03 | – | 3 | 07 30 | 0 | 3 | 12 | – | 3 | 59 |
| | 04 | | | 06 45 | 100 | | 16 | – | | 55 – |
| 3 | 05 | | 3 | 06 – | 193 200 | | 20 | – | | 50 |
| | | | | | 300 | 3 | 23 | – | | 46 – |
| | | | | | ~~400~~ 320 | 3 | 25 | – | 3 | 45 – |
| | | | | | 500 | | | | | |
| | | | | | 600 | | | | | |
| | | | | | 700 | | | | | |
| | | | | | 800 | | | | | |
| | | | | | 900 | | | | | |
| | | | | | 1000 | | | | | |
| | | | | | 1100 | | | | | |
| | | | | | 1200 | | | | | |
| | | | | | 1300 | | | | | |
| | | | | | 1400 | | | | | |
| | | | | | 1500 | | | | | |
| | | | | | 1600 | | | | | |
| | | | | | 1700 | | | | | |
| | | | | | 1800 | | | | | |
| | | | | | 1900 | | | | | |
| | | | | | 2000 | | | | | |
| | | | | | 2100 | | | | | |
| | | | | | 2200 | | | | | |
| | | | | | 2300 | | | | | |
| | | | | | 2400 | | | | | |
| | | | | | 2500 | | | | | |
| | | | | | 2600 | | | | | |
| | | | | | 2700 | | | | | |
| | | | | | 2800 | | | | | |
| | | | | | 2900 | | | | | |
| | | | | | 3000 | | | | | |
| | | | | | 3100 | | | | | |
| | | | | | 3200 | | | | | |
| | | | | | 3300 | | | | | |
| | | | | | 3400 | | | | | |
| | | | | | 3500 | | | | | |
| | | | | | 3600 | | | | | |
| | | | | | 3700 | | | | | |
| | | | | | 3800 | | | | | |
| | | | | | 3900 | | | | | |
| | | | | | 4000 | | | | | |
| | | | | | 4100 | | | | | |
| | | | | | 4200 | | | | | |
| | | | | | 4300 | | | | | |
| | | | | | 4400 | | | | | |
| | | | | | 4500 | | | | | |
| | | | | | 4600 | | | | | |
| | | | | | 4700 | | | | | |
| | | | | | 4800 | | | | | |
| | | | | | 4900 | | | | | |

Dredge ~~Hydrog.~~ No. 5222 Date, 24 Apl, 1908.

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

Turns 195 Cor'n — Depth 195 fms.

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

Character of Bottom gn M.

Thermom. Make N.Z. No. 108023 Cor'n Instr. ~~-.49~~ Stem. -.44

Bottom Reading 53.5° Cor'd Temp. 52.8

Temp. Surf. 85° Time 4:38 p. 85° Time 5:15 p. Air 85° 86°

Density: Surf. 1.02470 Botm fms. 1.02447

Wind: Direction W by S Force 0-1

Baromet. 29.69 Amt. of Clouds 2 State of Sea S

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide San Andreas Id. (W) S 57° E., 9.2 mi.

General Locality Bet Marinduque & Luzon Pt Canit (Marinduque) S20E - Pagbil

Position 13°38'30" N - 121°42'45" E.

Chart used: No. CS 4714 Ed'n —

Drift: Direction N 20° W Distance 1.7 m.

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 Arnkil

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. | M. | Down. | Up. | P. | M. | | P. | M. | Down. | Up. | P. | M. |
| 4 | 31 | | 4 | 35 | + | 0 | 4 | 38 | | 5 | 24 | |
| | 32 | | | 34 | 30 | 100 | | 41 | 30 | | 19 | 30 |
| 4 | 33 | | 4 | 34 | | 195 200 | | 45 | | | 15 | |
| | | | | | | 300 | | 48 | 30 | | 10 | |
| | | | | | | 400 320 | 4 | 49 | | 5 | 09 | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| ao, Chica Id (E) N 17 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 | | | | | | |

Dredge ~~Hydrog.~~ No. 5223 Date, 24 Apl, 1908

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 No Sounding Cor'd Temp.

Temp. Surf. 84° Time 7:53 p. 84° Time 8.07 Air 83° 83°

Density: Surf. — fms. —

Wind: Direction NNE Force 2

Baromet. 29.76 Amt. of Clouds 4. State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

Malabrigo St. W. 9.8 mi.

General Locality Pt Bantigui Luzon N 25° E.
Pernas Pt, Luzon, S 89° W., E. end Verde Id Passage

Position Lat 13° 36' 00" N Long. 121° 25' 30" E.

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

Drift: Direction S 69° W Distance 1.8 mi.

Depth of Haul Surface

Apparatus and Rig used 10 ft. Inter. as surface net; 250-lbs. sinker.

Time towing h. 20 m.

Remarks:

Mr. Cassidy C.E. DeLong

Deck Officer Mr Hazard Recorder Strukit

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M. | | Down. | Up. | | M. | | M. | | Down. | Up. | | M. |
| | | | | | | 0 | 7 | 47 | - | 8 | 07 | - |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 3224 Date, Apl. 24, 1908

Sdg. Mch. Reel Shot / Lead lbs.

Turns No Cor'n Depth fms.

Sdg. Cup Sounding Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 8 24 / 84° Time 8 34 Air 83° / 82°

Density: Surf. — fms. —

Wind: Direction NNE. Force 2

Baromet. 29.76 Amt. of Clouds 4 State of Sea 8.

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

Malabrigo St. N. 79° W 6.25 mi.

General Locality Eastern end Verde Id. passage

Position 13-34-50 N - 121-21-45 E

Chart used: No. 4714 Ed'n —

Drift: Direction N 80° W Distance 14

Depth of Haul Surface

Apparatus and Rig used 10' Intermediate, 250# weight

Time towing h. 10 m.

Remarks:

Deck Officer M. Cassidy Recorder C.E. Long

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M. | Down. | Up. | | M. | | P M. | Down. | | Up. | P M. | |
| | | | | | | 0 | 8 | 24 | 00 | 8 | 34 | 00 |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5225 Date, May 4, 1908

Sdg. Mch. None used 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 7:10 P / 84° Time 7:35 P Air 85° / 85

Density: Surf. 1.02448 fms.

Wind: Direction W Force 1-2

Baromet. 29.65 Amt. of Clouds 8 State of Sea S

Weather bcl

Direction and Force of Current. Surface / Bottom

Tide

Corregidor St. N 10° E. 9.5 miles.

General Locality China Sea about 9 mis. South of Corregidor

Position 14-13-24 N - 120-32 36 E

Chart used: No. 4240 Ed'n

Drift: Direction South Distance .9

Depth of Haul Int (40)

Apparatus and Rig used 10' intermediate 250 lbs wt.

Time towing h. 20 m.

Remarks:

Deck Officer Mr Hazard Recorder M C Robert

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ---- M. | DOWN. | | UP. | | ---- M. | | 7 M. | DOWN. | | UP. | 7 ---- M. | |
| | | | | | | 0 | 7 | 06 | 50 | 7 | 33 | 40 |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5226 Date, May 4, 1908

Sdg. Mch. None used 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 7:50 P 83° Time 8:05 P. Air 85° 85°

Density: Surf. 1.02514 fms.

Wind: Direction SW Force 1

Baromet. 29.67 Amt. of Clouds 9 State of Sea S

Weather Vol

Direction and Force of Current. Surface Bottom

Tide Corregidor St. N 10° E. 10.7 mi.

General Locality China Sea about 10 mis. South of Corregidor

Position 14-12-15 1-120-32-24 E

Chart used: No. 4240 Ed'n

Drift: Direction South Distance 8

Depth of Haul Surface

Apparatus and Rig used 10' Inter., 250-ft Sinker, used as Surface net.

Time towing — h. 25 m.

Remarks:

Deck Officer Mr. Hazard Cassidy Recorder Roberts Atukil

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ---- M. | DOWN. | | UP. | | ---- M. | | P--- M. | DOWN. | | UP. | P--- M. | |
| | | | | | | 0 | 7 | 45 | 25 | 8 | 06 | 00 |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

V

Dredge / ~~Hydrog.~~ No. 5227 Date, 5 May, 1908

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

Turns 322 Cor'n Depth 322 fms.

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

Character of Bottom gn. M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 86° Time 1:16 p. Air 86°
87° Time 1:54 p. 85°

Density: Surf. 1.02498 fms.

Wind: Direction East Force 2

Baromet. 29.68 Amt. of Clouds 6 State of Sea S

Weather bez.

Direction and Force of Current. Surface
Bottom

Tide

Pt Origon S 44°E. 18.3 mi.

General Locality North Tablas Id.

Benton Id (N) N 69°E, Isabel Id (W) N 16 E.

Position 12°-53'-36 N, 121°-52'-30° E.

Chart used: No. 4714. Ed'n

Drift: Direction S 30° E. Distance .6

Depth of Haul est. 280 - 300 fms. (= Inter)

Apparatus and Rig used 10' Inter & double cone

Time towing - h. 20 m.

Remarks:

Deck Officer Mr. Mckers Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M. | Down. | | Up. | M. | | | M. | Down. | | Up. | M. |
| 1 | 00 | 30 | 1 | 07 | 30 | 0 | 1 | 15 | 50 | 2 | 08 | 00 |
| | 01 | 40 | | 06 | 30 | 100 | | 19 | 35 | 2 | 03 | 30 |
| | 02 | 40 | | 05 | 55 | 200 | | 23 | 05 | | 59 | 00 |
| | 03 | 45 | | | | 300 | | 26 | 40 | | 54 | 30 |
| 1 | 04 | 05 | 1 | 04 | 50 | 322 400 | 1 | 30 | 00 | 1 | 50 | 00 |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5-228 Date, 5 May, 19

Sdg. Mch. Reel Shot / Lead Lbs.

Turns No Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Sounding

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

Bottom Reading Cor'd Temp.

Temp. Surf. 85 Time 7.03 / 85 Time Air 83 3/4° / 84°

Density: Surf. 1.02519 fms.

Wind: Direction N.N.E. Force 2

Baromet. 29.68 Amt. of Clouds .2 State of Sea 2

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

Romblon St. N.3°E., 6.2 mi.

General Locality Lugbung I. (W) N 10°W, Romblon I. (E) N. 62°E. (1 mi SW of Romblon)

Position Lat. 12° 29' 30"N Long. 122° 15' 45"E.

Chart used: No. 4715 C.S., Ed'n

Drift: Direction S. 30°E. Distance .6 mi.

Depth of Haul surface

Apparatus and Rig used 10' intermediate, double core sinker

1 No 20 and 1 No 2 Kofaid towing from prop.

Time towing 2 h. 20½ m.

Remarks:

Deck Officer Mc Cassidy Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ---- M. | DOWN. | | UP. | | ---- M. | | P. M. | DOWN. | | UP. | P. M. | |
| | | | | | | 0 | 7 | 02 | 30 | 7 | 28 | 00 |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5529 Date, May 7, 1908

Sdg. Mch. Tanner Reel N.N. Shot / Lead 36 lbs.

Turns 330 Cor'n Depth 290 fms.

Sdg. Cup Tallow on lead Amt. Bot'm Sample No bottom

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 85° Time 9.50 a Time Air 86°

Density: Surf. 1.02525 fms.

Wind: Direction SW Force 2

Baromet. 29.74 Amt. of Clouds 8 State of Sea S

Weather Very

Direction and Force of Current. Surface Bottom

Tide

Talong Id (E) S. 17°W 5.75 mi.

General Locality Pacijan I (W) S 16° W Poro I (NE) S 54 E between Cebu and Leyte near Camotes Group

Position 10-48-45 N-124-21-15 E

Chart used: No. 4719 Ed'n

Drift: Direction S 17 W Distance .5

Depth of Haul Int.

Apparatus and Rig used 10' inter, 2 wing nets 500 lbs wt.

Time towing — h. 20 m.

Remarks: Used Tanner sgd machine and found no bottom at 300 fms.

Deck Officer Mr. Hazard Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | M. | Down. | Up. | A | M. | | A | M. | Down. | Up. | A | M. |
| 9 | 31 | - | | 43 | 10 | 0 | 9 | 47 | 05 | 10 | 26 | 30 |
| | 32 | 20 | | 40 | 30 | 100 | | 50 | 50 | | 21 | 20 |
| | 33 | 10 | | 38 | 10 | 200 | | 54 | 10 | | 16 | 30 |
| 9 | 34 | 10 | 9 | 34 | 20 | 235 300 | 9 | 55 | 00 | 10 | 15 | 00 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5230. Date, May 7th, 1908.

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

Turns 118 Cor'n — Depth 118 fms.

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

Character of Bottom Gy. S.

Thermom. Make NZ. No. 108023 Cor'n Instr. -.46 v.L Stem. -.38

Bottom Reading 58.2 Cor'd Temp. 57.8 b

Temp. Surf. 84° 84° Time 7:15 p. Time 7:35 p. Air 84° 84°

Density: Surf. 1.02477 bottom fms. 1.02496

Wind: Direction SSE Force 2

Baromet. 29.71 Amt. of Clouds 8 State of Sea 8

Weather hz.

Direction and Force of Current. Surface Bottom

Tide

Simasova Id. (S.) S. 68° E., 22.5 mi.

General Locality Bet. Bohol & Leyte Ids.

Position 10°01'50" N - 124°42'30" E. - No bearings; night.

Chart used: No. CS 4719 Ed'n —

Drift: Direction S 63° E Distance .6 m.

Depth of Haul Surface

Apparatus and Rig used 10' Inter & double cone sinker. — 2 Kofoids towing astern of ship, resp. ft. 20 and ft. 2.

Time towing — h. 20 m.

Remarks: Water-bottle used in Sdg.

Deck Officer Mr. Hazard Recorder Fratis

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | P. M. | | | P. M. | Down. | | Up. | P. M. | |
| 7 | 02 | 00 | 7 | 05 | 50 | 0 | 7 | 13 | 10 | 7 | 33 | 10 |
| | 03 | 00 | | 05 | 00 | 100 | | | | | | |
| 7 | 03 | 10 | 7 | 04 | 50 | 118 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Pl.

Dredge / ~~Hydrog.~~ No. 5231 Date, 7 May, 1908

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

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. 84° Time 7:45 p. / 84 Time 7.09 Air 85° / 83½°

Density: Surf. 1.02531 _____ fms. —

Wind: Direction SSE Force 2

Baromet. 29.74 Amt. of Clouds 7 State of Sea S

Weather bc

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

Simasau Id. (S) S. 68°15'E., 21.7 mi.

General Locality Bet. Bohol & Leyte Ids.

Position 10°01'15"N-124°43'15"E - No bearings; night.

Chart used: No. CS 4719 Ed'n —

Drift: Direction S 63° E Distance 0.4 m.

Depth of Haul Inter. est. 80 fms.

Apparatus and Rig used 10' Inter & double cone. Kofoids 20 & 2 attached to upper frame.

Time towing _____ h. 20 m.

Remarks: _____

Deck Officer Mr. Hazard Mr. Cassidy Recorder Amtil. DeLong.

11-1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ---- M. | DOWN. | | UP. | | ---- M. | | P. M. | DOWN. | | UP. | | P. M. |
| | | | | | | 0 | 7 | 43 | 20 | 7 | 18 | 00 |
| | | | | | | 100 | 7 | 46 | 50 | 7 | 09 | 20 |
| | | | | | | 12 ~~200~~ | 7 | 47 | 30 | 7 | 08 | 00 |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 4-232 Date, May 7, 1908

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

Turns No Cor'n ____ Depth ____ fms.

Sdg. Cup ____ Amt. Bot'm Sample ____

Character of Bottom Sounding

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 84° Time 8 26 / 84° Time 8 44 Air 83 1/2° / 83 1/4°

Density: Surf. 1.02531 ____ fms. ____

Wind: Direction S. Force 2

Baromet. 29.75 Amt. of Clouds .4 State of Sea 2

Weather lee.

Direction and Force of Current. Surface ____ / Bottom ____

Tide ____

Simasana Id. (S.) S. 69°30' E., 2 l. mi.

General Locality Between Bohol & Leyte

(M bearings)

Position Lt 10° 0' 45" N Long 124° 44' 06" E

Chart used: No. 4719 Ed'n ____

Drift: Direction S 63° E Distance .6 mi

Depth of Haul Surface

Apparatus and Rig used 10' Intermediate with double core sinker

Time towing ____ h. 20 m.

Remarks: ____

Deck Officer Mr Cassidy Recorder C. H. DeLong

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ____ M. | DOWN. | | UP. | | ____ M. | | P M. | DOWN. | | UP. | P M. | |
| | | | | | | 0 | 8 | 25 | 00 | 8 | 45 | 00 |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5233 Date, May 7, 1908

Sdg. Mch. — Reel — Shot / Lead — lbs.

Turns 20 Cor'n — Depth — fms.

Sdg. Cup — Amt. Bot'm Sample —

Character of Bottom sounding

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 84° Time 8 55 / 84° Time 9 20 — Air 83° / 83°

Density: Surf. 1.02514 — fms. —

Wind: Direction E — Force 2

Baromet. 29.75 — Amt. of Clouds .5 — State of Sea 2

Weather clear.

Direction and Force of Current. Surface — Bottom

Tide

Simasana Id. (S) S. 70° E., 19.5 mi.

General Locality Between Bohol & Leyte

N. bearings

Position 10° 00' 22" N; Long 124° 48' 06" E

Chart used: No. 4719 C.S. Ed'n

Drift: Direction S 63° E — Distance .8 nm

Depth of Haul Estimated 100 fath.

Apparatus and Rig used 10' Intermediate with one #20 + one #2 Kfaid attached. Double cone weight.

Time towing h. 20 m.

Remarks:

Deck Officer Mr Cassidy — Recorder C. E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ___ M. | | DOWN. | UP. | | ___ M. | | P M. | DOWN. | | UP. | P M. | |
| | | | | | | 0 | 8 | 54 | 25 | 9 | 28 | 40 |
| | | | | | | 100 | 8 | 57 | 35 | 9 | 23 | 10 |
| | | | | | | ~~200~~ 153 | 8 | 59 | 45 | 9 | 19 | 45 |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5234 Date, May 7, 1908

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

Turns No Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom Sounding

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. 84° Time 9 42 / 84° Time 10 02 Air 83° / 83°

Density: Surf. 1.02531 _____ fms. —

Wind: Direction S Force 1

Baromet. 29.76 Amt. of Clouds 4 State of Sea S

Weather bc.

Direction and Force of Current. Surface _____ Bottom _____

Tide

Simasana Id (S). S, 70°30' E., 18.5 mi

General Locality Between Bohol & Leyte (No bearings)

Position Lat 10°-00'-00" N. Long. 124°46'06" E

Chart used: No. 4719 CS Ed'n _____

Drift: Direction S 63° E Distance 4

Depth of Haul Estimated 15 fath.

Apparatus and Rig used 10' intermediate double cone weight, Hofoids #20 & #2

Time towing _____ h. 20 m.

Remarks:

Deck Officer Mr. Cassidy Recorder C. E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ---- M. Down. | | | Up. | | ---- M. | | P M. Down. | | | Up. | | P M. |
| | | | | | | 0 | 9 | 40 | 50 | 9 | 03 | 40 |
| | | | | | | ~~100~~ | 9 | 41 | 30 | 9 | 01 | 50 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5235 Date, May 9, 1908

Sdg. Mch. Tanner Reel TN Shot / Lead 25 lbs.

Turns 44 Cor'n Depth 44 fms.

Sdg. Cup Yellow on lead Amt. Bot'm Sample 2 oz

Character of Bottom sf m.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 86° Time 930 a 86° Time 955 a Air 84° 84°

Density: Surf. 1.02475 fms. —

Wind: Direction N.E. Force 1

Baromet. 29.72 Amt. of Clouds 7 State of Sea S

Weather Clear

Direction and Force of Current. Surface Bottom

Tide

6.9 mi.

General Locality Ginatuan Passage Pacific Ocean. Nagubat Id. (S) S 58° W, Bucas Grande Id. (SW)

Position 9-43-00 N, 125-48-15 E. S 37° E.

Chart used: No. 4719 CS. Ed'n

Drift: Direction S 56° E. Distance .6

Depth of Haul Botm

Apparatus and Rig used 12' Agassiz NR. 1 m bag 1 Tail rt 2 wg bgs 2 wing wts 3 glass balls

Time towing h. 20 m.

Remarks: 1 bridal slop carried away

Deck Officer Mr Metters Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. | Down. | | Up. | a M. | | | a M. | Down. | | Up. | a M. | |
| 9 | 23 | 40 | 9 | 25 | 00 | 0 | 9 | 26 | 20 | 9 | 5[illegible] | 30 |
| 9 | 24 | 00 | 9 | 24 | 10 | [illegible] 88 100 | 9 | 30 | 00 | 9 | 50 | 00 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5236 Date, 11 May, 1908

Sdg. Mch. T.N. Reel Shunk ~~Shot~~ Lead 25 lbs.

Turns 328 Cor'n — Depth 328 fms.

Sdg. Cup arming Amt. Bot'm Sample —

Character of Bottom didn't reach bottom.

Thermom. Make / No. none used 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 8°51'15"N. 126°26'30"E

Chart used: No. CS 4719 Ed'n —

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: No bottom at 328 fms. with T. N. Machine. — Record of bottom sounding on next page.

Deck Officer Mr. Cassidy Recorder [signature]

11—1023

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A M. | Down. | | Up. | A M. | | | ___ M. | Down. | | Up. | ___ M. | |
| 10 | 14 | 00 | 10 | 26 | 50 | 0 | | | | | | |
| | 15 | 00 | | 24 | 20 | 100 | | | | | | |
| | 15 | 50 | | 22 | 10 | 200 | | | | | | |
| | 16 | 40 | | 19 | 00 | 300 | | | | | | |
| 10 | 17 | 10 | 10 | 17 | 20 | 328 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

No Satisfactory Results -
Continued on
next page
under same
Dr. Nr.

continued

Dredge / Hydrog. No. 5236 Date, 11 May, 1908

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

Turns 494 Cor'n — Depth 494 fms.

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

Character of Bottom fine gy S

Thermom. Make N.Z. No. 108023 Cor'n Instr. -.46 2. Stem. -.56

Bottom Reading 42.0° Cor'd Temp. 41.0°

Temp. Surf. 85° Time 10:40 a. 86° Time 11:30 a. Air 87° 86°

Density: Surf. 1.02453 fms. 1.02522

Wind: Direction SE Force 1

Baromet. 29.73 Amt. of Clouds 3 State of Sea Swell long gentle swell.

Weather Nc

Direction and Force of Current. Surface Bottom

Tide

9.1 mi.

General Locality Pacific Ocean East coast Minda. nao. Ayninan I (E) S29°W - Magabas I (S) N85W

Position 8°50'45"N - 126°26'52"E.

Chart used: No. C.S. 4719 Ed'n —

Drift: Direction S4°E Distance 2.5 m.

Depth of Haul Bottom

Apparatus and Rig used 12' Arassiz N.R.; 2 wing wts. and 2 wing mud bags; 1 tail wt and 1 tail mud bag; 3 gl. flts.

Time towing — h. 20 m.

Remarks: Water bottle used in sounding. — Trawl came up with both trickle stops carried away and frame lob. sided - no uneven strain was shown on accumulator during the haul, and greatest strain was only 2½

Deck Officer Mr. Cassidy Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | Down. | | Up. | A. M. | | | A. M. | Down. | | Up. | A. M. | |
| 10 | 22 | 25 | 10 | 31 | 30 | 0 | 10 | 35 | 20 | 11 | 50 | 40 |
| | 23 | 15 | | 30 | 50 | 100 | | 38 | 45 | | 47 | 30 |
| | 24 | 00 | | 30 | 15 | 200 | | 42 | 10 | | 44 | 30 |
| | 24 | 55 | | 29 | 45 | 300 | | 45 | 30 | | 41 | 10 |
| | 25 | 55 | | 29 | 05 | 400 | | 48 | 50 | | 37 | 50 |
| 10 | 26 | 55 | 10 | 28 | 20 | 494 500 | | 52 | 00 | | 34 | 20 |
| | | | | | | 600 | | 55 | 20 | | 30 | 30 |
| | | | | | | 700 | | 58 | 40 | | 25 | 40 |
| | | | | | | 800 | 11 | 01 | 45 | 11 | 21 | 50 |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5237 Date, May 12, 1908

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

Turns 249 Cor'n — Depth 249 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample —

Character of Bottom gn. m. (mud bog)

Thermom. Make N.G. No. 108023 Cor'n Instr. -.46 Stem. -.52

Bottom Reading 47.2 Cor'd Temp. 46.4°

Temp. Surf. 85° Time 10.18 / 85° Time 10.52 Air 85° / 85°

Density: Surf. 1.02477 fms. 1.02482

Wind: Direction Ob Force 1

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

Weather Sep.

Direction and Force of Current. Surface / Bottom

Tide

5.75 mi.

General Locality Pacific Ocean East of Mindanao.
Sanco Pt. N69W, Tambog Pt S33W

Position 8°-09'-06" N, 126°-31'-45" E.

Chart used: No. CS.4724 Ed'n

Drift: Direction S3°E. Distance 2.1

Depth of Haul Bottom

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

Time towing 17 h. 17¼ m.

Remarks: Towed 7 min at 450 fath

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

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| @ M. | Down. | | Up. | @ M. | | | @ M. | Down. | | Up. | @ M. | |
| 10 | 08 | 40 | 10 | 13 | 50 | 0 | 10 | 17 | 50 | 11 | 09 | 00 |
| 10 | 09 | 40 | 10 | 13 | 10 | 100 | 10 | 21 | 30 | 11 | 05 | 40 |
| 10 | 10 | 35 | 10 | 12 | 40 | 200 | 10 | 24 | 40 | 11 | 02 | 35 |
| 10 | 11 | 10 | 10 | 12 | 15 | ~~300~~ 249 | 10 | 27 | 50 | 10 | 59 | 00 |
| | | | | | | 400 | 10 | 30 | 30 | 10 | 55 | 05 |
| | | | | | | ~~500~~ 450 | 10 | 31 | 45 | 10 | 51 | 10 |
| | | | | | | ~~600~~ 550 | 10 | 39 | 50 | | | |
| | | | | | | ~~700~~ 650 | 10 | 42 | 10 | 10 | 49 | 00 |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5238 Date, May 12, 1908

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

Turns Cor'n Depth 380 fms.

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

Character of Bottom gn m

Thermom. Make TL No. 108023 Cor'n Instr. -.47 Stem. -.56

Bottom Reading 43.7 Cor'd Temp. 43.7°

Temp. Surf. 86° Time 310 P 86° Time 4:00 p. Air 91° 85°

Density: Surf. 1.02453 fms. 1.02459

Wind: Direction variable Force 0-1

Baromet. 29.64 Amt. of Clouds 4 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

4.3 mi.

General Locality Pacific Ocean East coast Mindanao.

Pt. Lambajon S65W - Bagoso Pt N 41W

Position 7°34'45" N - 126°38'24" E

Chart used: No. CS 4724 Ed'n —

Drift: Direction S 15° W Distance 2.5

Depth of Haul Bottom

Apparatus and Rig used 12' Agassiz N.R. 3 glass balls 2 wing bags + wts, 1 m bag

Time towing h. 20 m.

Remarks:

Deck Officer Mr Hazard Mr. Cassidy Recorder Roberts Prutsit

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | P. M. | | | P. M. | Down. | | Up. | P. M. | |
| 2 | 56 | 00 | 3 | 03 | 10 | 0 | 3 | 06 | 10 | 4 | 17 | 30 |
| | 57 | 00 | | 02 | 30 | 100 | 3 | 10 | 00 | | 14 | 00 |
| | 57 | 50 | | 02 | | 200 | | 13 | 30 | | 09 | 30 |
| | 58 | 45 | | 01 | 10 | 300 | | 16 | 40 | | 05 | 30 |
| 2 | 59 | 30 | 3 | 00 | 30 | 380 400 | | 19 | 10 | 4 | 01 | 20 |
| | | | | | | 500 | | 22 | 05 | 3 | 57 | 20 |
| | | | | | | 600 | | 21 | 40 | | 52 | 50 |
| | | | | | | 700 | 3 | 28 | 00 | 3 | 49 | 00 |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5339 Date, 14 May, 1908

Sdg. Mch. T.N. Reel Shot / Lead 25 lbs.

Turns 180 Cor'n "180=171" Depth 171 fms.

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

Character of Bottom sft M. (gy)

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 86° Time 12:54p / 85° Time 1:15p Air 84° / 84°

Density: Surf. 1.02417 fms. —

Wind: Direction E by S Force 2-3

Baromet. 29.74 Amt. of Clouds 3 State of Sea 5

Weather fr

Direction and Force of Current. Surface / Bottom

Tide

2.25 mi.

General Locality Pujada Bay, Mindanao.

Vanisa Id (N) N 78 E Pujada Id (SW) S 35 E

Position 6°49'08" N - 126°15'12" E -

Chart used: No. CS 4646 Ed'n —

Drift: Direction N 13° W Distance 0.5 m.

Depth of Haul Bottom

Apparatus and Rig used 12' Agassiz NR, 2 wing nets, 2 wing mudbags, 1 tail net, 1 tail mudbag, 3 glass floats.

Time towing — h. 7 m.

Remarks: When bottom: accumulator registered 3½ and kept jumping up & down. when heaving in it reg. up to 5½ when then was a sudden release (190 fms out) - Bridle stops and bridle - all but one strand - carried away: 1 mudbag (wing) lost, & net torn, frame twisted.

Deck Officer Mr. Heller Recorder Griffith

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | P. M. | | | P. M. | Down. | | Up. | P. M. | |
| 12 | 41 | 50 | 12 | 48 | 00 | 0 | 12 | 57 | 20 | 1 | 17 | 30 |
| | 42 | 40 | | 45 | 35 | 100 | | 54 | 45 | | 14 | 30 |
| 12 | 43 | 50 | 12 | 44 | 00 | 180 200 | | 57 | 45 | | 09 | 30 |
| | | | | | | 300 | 45 | 1 | 04 | 00 | | |
| | | | | | | 400 | 52 | 1 | 02 | 00 | 1 | 07 | 00 |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5~~3~~2 40. Date, 14 May, 1908

Sdg. Mch. J. N Reel Shank ~~Shot~~ Lead 25 lbs.

Turns 152 Cor'n Depth 145 fms.

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

Character of Bottom sft gy JT

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 86° Time 1:45p. / 84° Time 2:10p Air 84° / 84°

Density: Surf. 1.02448 fms. —

Wind: Direction SE Force 2

Baromet. 29.69 Amt. of Clouds 4 State of Sea S

Weather Oc

Direction and Force of Current. Surface / Bottom

Tide

2.4 mi.

General Locality Pujada Bay, Mindanao.

Vaniva I (N) East - Pujada I (SW) S34E

Position 6°49'36" N - 126°15'00" E -

Chart used: No. 4646 Ed'n —

Drift: Direction N 16 W Distance 1.1 m.

Depth of Haul Inter., est'd at 115 fms.

Apparatus and Rig used 10' Inter.; 250 ft sinker

Time towing — h. 20 m.

Remarks: J. N. wire stranded at 90 turns.

Deck Officer Mr. Metters Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] M. | DOWN. | | UP. | [illegible] M. | | | [illegible] M. | DOWN. | | UP. | [illegible] M. | |
| / | 31 | 40 | / | 37 | 40 | 0 | / | 47 | 00 | 4 | 16 | 00 |
| | 32 | 30 | | 34 | 35 | 152 100 | | 46 | 00 | | 12 | 10 |
| / | 33 | 00 | / | 33 | 30 | 200 | 175 | 49 | 00 | 2 | 09 | 10 |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5~~3~~7 41 Date, 14 May, 1908

Sdg. Mch. T. N. Reel Shark ~~Shot~~ Lead 25 lbs.

Turns 230 Cor'n Depth 215 fms.

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

Character of Bottom sft gy M.

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

Bottom Reading — Cor'd Temp.

Temp. Surf. 85° / 85° Time 2:45p. / Time 2:34p Air 85° / 84°

Density: Surf. 1.02453 fms. —

Wind: Direction S.E. Force 2-3

Baromet. 29.69 bc Amt. of Clouds 4 State of Sea S

Weather

Direction and Force of Current. Surface / Bottom

Tide

3 mi.

General Locality Pujada Bay, Mindanao.

Vaniva Id (N) S68E - Pujada I (SW) S30E.

Position 6°50'45"N - 126°14'38"E -

Chart used: No. 4646 Ed'n —

Drift: Direction N 15° W Distance 1.1 m.

Depth of Haul Bottom.

Apparatus and Rig used 9' A-B.; 2 gl. floats, tailweight and mud bag.

Time towing — h. 20 m.

Remarks: Towing time computed from 2:58:35

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. | |
| 2 | 22 | 00 | 2 | 30 | 25 | 0 | 2 | 41 | 35 | 3 | 35 | 30 |
| | 23 | 00 | | 28 | 00 | 100 | | 45 | 00 | | 32 | 28 |
| | 24 | 00 | | 25 | 20 | 200 | | 48 | 20 | | 29 | 30 |
| 2 | 24 | 25 | 2 | 25 | 00 | 230 300 | | 51 | 45 | | 26 | 25 |
| | | | | | | 400 | | 53 | 05 | | 23 | 20 |
| | | | | | | 500 | | 55 | 30 | | 20 | 10 |
| | | | | | | 506 600 | 2 | 58 | 35 | | | |
| | | | | | | 540 700 | 3 | 02 | 45 | 3 | 18 | 35 |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5342 Date, 14 May, 1908

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

Turns 191 Cor'n — Depth 191 fms.

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

Character of Bottom sft. gy M.

Thermom. Make N.3. No. 108023. Cor'n Instr. -.46 Stem. -.16

Bottom Reading 64.5° Cor'd Temp. 63.9 (64.1)

Temp. Surf. 85° Time 3:51 p. 85 Time 4:25 Air 84° 83½°

Density: Surf. 1.02457 fms. 1.02489

Wind: Direction SE Force 3

Baromet. 29.67 Amt. of Clouds 4 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide Uanivan Id. (N) S. 56° E., 4 mi.

General Locality Pujada Bay, Mindanao Mati Lt. North - Daca Pt. S79W.

Position 6°51'53"N - 126°14'10"E -

Chart used: No. 4646 Ed'n —

Drift: Direction N 13 W Distance 1.0 m.

Depth of Haul bottom

Apparatus and Rig used As before; and 2 wing wts (weights)

Time towing h. 20 m.

Remarks: Water bottle used in sounding. — Deck Officer & Recorder relieved at 4:00 pm

Deck Officer Mr. Hetos Mr. Hagard Recorder Stonkil — C.E. Dolan

11-1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. Down. | | | Up. | P. M. | | | P. M. Down. | | | Up. | P. M. | |
| 3 | 44 | 00 | 3 | 48 | 00 | 0 | 3 | 57 | 05 | 4 | 33 | 26 |
| | 44 | 20 | | 47 | 20 | 100 | | 57 | 40 | 4 | 30 | 10 |
| 3 | 45 | 10 | 3 | 46 | 45 | 19/200 | | 57 | 40 | 4 | 26 | 55 |
| | | | | | | 300 | 4 | 02 | 40 | 4 | 22 | 40 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5743 Date, May 15, 1908

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

Turns Cor'n Depth 218 fms.

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

Character of Bottom gym.

Thermom. Make N.Z. No. 108023 Cor'n Instr. -.~~46~~ 5 Stem. -.3

Bottom Reading 64.2 Cor'd Temp. 63.6

Temp. Surf. 84° Time 1:05 P 85 Time 1:35 P Air 84° 85

Density: Surf. 1.02433 fms. 1.02468

Wind: Direction S.E. Force 0-1

Baromet. 29.71 Amt. of Clouds 9 State of Sea S

Weather Sea

Direction and Force of Current. Surface Bottom

Tide Yanivan Id. (N), S 66° E. 3.1 mi.

General Locality Pujada Bay of Mindanao

Mate Lt N 4 W Sotaidaga Pt N 53 W

Position 6-51-00 N - 126-14-35 E

Chart used: No. CS 4646 Ed'n

Drift: Direction N 15 W Distance 1.1

Depth of Haul bot'm

Apparatus and Rig used 12" agassiz N.R. 1 m bag 3 glass bars 1 tail wt 2 wing wt.

Time towing — h. 20 m.

Remarks: water bottle used in sounding

Deck Officer Mr Hazard Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | P. M. | | | P. M. | Down. | | Up. | P. M. | |
| 12 | 51 | 40 | 12 | 56 | 15 | 0 | 1 | 00 | 50 | 1 | 43 | 45 |
| | 52 | 35 | | 55 | 35 | 100 | | 04 | 50 | | 39 | 50 |
| | 53 | 40 | | 55 | 00 | 200 | | 08 | 00 | | 36 | 10 |
| 12 | 53 | 50 | 12 | 54 | 50 | 218 300 | 1 | 12 | 00 | 1 | 32 | 00 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5244 Date, May 15, 1908

Sdg. Mch. T N Reel TN. ~~Shot~~ / Lead 30 lbs.

Turns 180 Cor'n 1 Depth 171 fms.

Sdg. Cup Arming Amt. Bot'm Sample 20 oz

Character of Bottom gym

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

Bottom Reading Cor'd Temp.

Temp. Surf. 85° Time 2:00 P / 85° Time 2:36 P Air 84° / 84°

Density: Surf. 1.02497 fms. —

Wind: Direction S E. Force 1-2

Baromet. 2969 Amt. of Clouds 9 State of Sea S

Weather scu

Direction and Force of Current. Surface / Bottom

Tide

Vanivan Id. (N) S. 52° E. 4 mi.

General Locality Puyada Bay Mindanao Mate St. North Tataidaga Pt N 76 W

Position 6-52-05 N 126-14-42 E

Chart used: No. CS4646 Ed'n

Drift: Direction N 46 E Distance 7

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz NR 1 m bg 1 tail wt 3 glass balls 2 wing wts

Time towing h. 20 m.

Remarks:

Deck Officer Mr Hazard Recorder Roberts

11—1023

| SOUNDING WIRE. P | | | | | | FMS. | DREDGING CABLE. P | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M. DOWN. | | | UP. | P | M. | | M. DOWN. | | | UP. | F | M. |
| 1 | 46 | 00 | 1 | 54 | 00 | 0 | 1 | 56 | 00 | | 35 | 30 |
| | 47 | 00 | | 51 | 00 | 100 | | 59 | 30 | | 31 | 30 |
| 1 | 47 | 50 | 1 | 48 | 30 | 171 200 ~~250~~ ~~300~~ | 2 | 02 | 30 | | 27 | 30 |
| | | | | | | | 2 | 05 | 00 | 2 | 25 | 00 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5245 Date, May 25, 1908

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

Turns 142 Cor'n Depth 135 fms.

Sdg. Cup Arming Amt. Bot'm Sample 20 ff

Character of Bottom gy m

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 2:55 P Air 84°
84° Time 84°

Density: Surf. 1.02468 fms.

Wind: Direction SE Force 2

Baromet. 29.68 Amt. of Clouds 8 State of Sea S

Weather scw & n

Direction and Force of Current. Surface / Bottom

Tide

Naniwan Id (N) S 41° E., 4 mi.

General Locality Puyada Bay Mindanao
Mali Lt. N 11 W. Daca Pt S 66 W

Position 6-57-36 N-126-14-52 E

Chart used: No. 4646 CS Ed'n —

Drift: Direction N 2 W Distance .8

Depth of Haul bottom

Apparatus and Rig used same as before

Time towing — h. 90 m.

Remarks: Net came up with large hole in front side

Deck Officer Mr Hazard Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | P. M. | | | P. M. | Down. | | Up. | P. M. | |
| 2 | 45 | 45 | 2 | 51 | 10 | 0 | 2 | 54 | 20 | 3 | 31 | 20 |
| | 46 | 40 | | 48 | 40 | 100 | 2 | 57 | 10 | | 27 | 30 |
| 2 | 47 | 10 | 2 | 47 | 35 | 135 200 | 3 | 01 | 10 | 3 | 23 | 20 |
| | | | | | | ~~300~~ 235 | 3 | 02 | 10 | 3 | 22 | 10 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5246 Date, 15 May, 1908

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 7:10 p 82° Time 7:35 p Air 83° 83°

Density: Surf. 1.02477 fms.

Wind: Direction Variable Force 0-1

Baromet. 29.73 Amt. of Clouds 8 State of Sea S

Weather bc

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

Suban Id. N. S. 58° W., 8 mi.

General Locality Pacific Ocean, East Coast of Mindanao.

Position 6°29'15" N - 126°18'45" E.

Chart used: No. 4724 Ed'n —

Drift: Direction S 6 E Distance 1.8 m.

Depth of Haul Inter, est. 100 fms.

Apparatus and Rig used 10' Inter & double cone sinker

Time towing — h. 20 m.

Remarks: _____

Deck Officer Mr. Metters Recorder [signature]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M. | DOWN. | UP. | | M. | | | M. | DOWN. | UP. | | M. |
| | | | | | | 0 | 7 | 04 | 04 | 7 | 39 | 50 |
| | | | | | | 100 | 7 | 07 | 30 | 7 | 33 | 00 |
| | | | | | | 200 | 7 | 10 | 00 | 7 | 30 | 00 |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog~~ No. 5247 Date, May 18, 1905

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

Turns 140 Cor'n -5- Depth 135 fms.

Sdg. Cup tallow on lead Amt. Bot'm Sample 1/2 oz.

Character of Bottom M.

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 83° Time 9 04 / 83° Time ____ Air 80° / 81 1/2°

Density: Surf. 1.02417 ____ fms.

Wind: Direction NE x E Force 3

Baromet. 29.74 Amt. of Clouds 4 State of Sea 8

Weather bc

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

4. mi.

General Locality ~~Gulf of Davao~~, Mindanao, Dinalagat Id (E.) 87° W, Talicud Id (NE.) S 40° E.

Position Lat 7° 00' 00" N Long 125° 37' 00" E.

Chart used: No. 4724 C.S. Ed'n ____

Drift: Direction N. 76° W. Distance .5 mi.

Depth of Haul bottom

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

Time towing ____ h. 20 m.

Remarks: ____

Deck Officer Mr. Mettars Recorder C.E. DeLong

11-1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | M. | Down. | Up. | Q | M. | | Q | M. | Down. | Up. | Q | M. |
| 8 | 45 | 40 | 8 | 51 | 46 | 0 | 8 | 56 | 20 | 9 | 38 | 15 |
| 8 | 46 | 35 | 8 | 47 | 10 | 100 | 9 | 00 | 00 | 9 | 34 | 10 |
| 8 | 47 | 10 | 8 | 47 | 15 | ~~200~~ 135 | 9 | 03 | 50 | 9 | 30 | 10 |
| | | | | | | ~~300~~ 240 | 9 | 08 | 15 | 9 | 28 | 15 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

~~Dredge~~ Hydrog. No. 4909 Date, May 18, 1908

Sdg. Mch. Tanner Reel P. H. ~~Shot~~ Lead 36 lbs.

Turns 22 Cor'n —— Depth 22 fms.

Sdg. Cup Tallow on lead Amt. Bot'm Sample Imprint of Co.

Character of Bottom Coral

Thermom. { Make None used / 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 Gulf of Davao, Pakiputan Strait

Linao Pt S 1° E, Lamog Pt S 37° W

Position Lat 7° 04' 36" N. Long 126° 37' 00" E.

Chart used: No. 4724 C.S., Ed'n

Drift: Direction Distance

Depth of Haul ——

Apparatus and Rig used 6 Att. Blk. Harness att. 250# weight, 1 tail weight

Time towing h. m.

Remarks:

Deck Officer Mr. Metters Recorder C.E. Peterson

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M. | DOWN. | | UP. | | M. | | ____ M. | DOWN. | | UP. | | ____ M. |
| 10 | 21 | 10 | 10 | 21 | 60 | 0 | | | | | | |
| 10 | 21 | 20 | 10 | 21 | 25 | ~~100~~ 22 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5248 Date, May 18, 1908

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

Turns 18 Cor'n — Depth 18 fms.

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

Character of Bottom Co.

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

No.

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 10 38 Air 84 1/2

83° Time 10 41 84 1/2

Density: Surf. 1.02453 fms. —

Wind: Direction N x E, Force 3

Baromet. 29.73 Amt. of Clouds 3 State of Sea S

Weather —

Direction and Force of Current. Surface

Bottom

Tide

---

General Locality Gulf of Davao. Pakiputon St 1.1 mi.

Panacan River pt. N 12 W, Lamag Pt. S 33 W

Position 7° 4' 15" N, 125° 38' 00" E.

Chart used: No. 4724 Ed'n

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used Bilb Blbs. with harrow attached, 250# weight, 1 tail weight

Time towing h. 04 m.

Remarks:

Deck Officer Mr. Metters Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | DOWN. | | UP. | P. M. | | | P. M. | DOWN. | | UP. | P. M. | |
| 10 | 29 | 50 | 10 | 30 | 30 | 0 | | | | | | |
| 10 | 30 | 00 | 10 | 30 | 05 | 15 | 10 | 34 | 50 | 10 | 41 | 40 |
| | | | | | | ~~100~~ 27 | 10 | 35 | 20 | | | |
| | | | | | | ~~200~~ 30 | 10 | 37 | 50 | 10 | 39 | 20 |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

~~Dredge~~ Hydrog. No. 4913 Date, May 15, 1928

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

Turns 17 Cor'n —— Depth 17 fms.

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

Character of Bottom Cs

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 ~~Jap.~~

Position 7° 03' 40" N, 125° 38' 30" E

Chart used: No. 4727 Ed'n

Drift: Direction —— Distance ——

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Metters Recorder C E D Long

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | M. | Down. | | Up. | 9 | M. | | ---- M. | Down. | | Up. | ---- M. |
| 10 | 43 | 00 | | 10 | 47 | 00 | 0 | | | | | |
| 10 | 43 | 10 | | 10 | 43 | 15 | 100 | | | | | |
| | | | | | | | 200 | | | | | |
| | | | | | | | 300 | | | | | |
| | | | | | | | 400 | | | | | |
| | | | | | | | 500 | | | | | |
| | | | | | | | 600 | | | | | |
| | | | | | | | 700 | | | | | |
| | | | | | | | 800 | | | | | |
| | | | | | | | 900 | | | | | |
| | | | | | | | 1000 | | | | | |
| | | | | | | | 1100 | | | | | |
| | | | | | | | 1200 | | | | | |
| | | | | | | | 1300 | | | | | |
| | | | | | | | 1400 | | | | | |
| | | | | | | | 1500 | | | | | |
| | | | | | | | 1600 | | | | | |
| | | | | | | | 1700 | | | | | |
| | | | | | | | 1800 | | | | | |
| | | | | | | | 1900 | | | | | |
| | | | | | | | 2000 | | | | | |
| | | | | | | | 2100 | | | | | |
| | | | | | | | 2200 | | | | | |
| | | | | | | | 2300 | | | | | |
| | | | | | | | 2400 | | | | | |
| | | | | | | | 2500 | | | | | |
| | | | | | | | 2600 | | | | | |
| | | | | | | | 2700 | | | | | |
| | | | | | | | 2800 | | | | | |
| | | | | | | | 2900 | | | | | |
| | | | | | | | 3000 | | | | | |
| | | | | | | | 3100 | | | | | |
| | | | | | | | 3200 | | | | | |
| | | | | | | | 3300 | | | | | |
| | | | | | | | 3400 | | | | | |
| | | | | | | | 3500 | | | | | |
| | | | | | | | 3600 | | | | | |
| | | | | | | | 3700 | | | | | |
| | | | | | | | 3800 | | | | | |
| | | | | | | | 3900 | | | | | |
| | | | | | | | 4000 | | | | | |
| | | | | | | | 4100 | | | | | |
| | | | | | | | 4200 | | | | | |
| | | | | | | | 4300 | | | | | |
| | | | | | | | 4400 | | | | | |
| | | | | | | | 4500 | | | | | |
| | | | | | | | 4600 | | | | | |
| | | | | | | | 4700 | | | | | |
| | | | | | | | 4800 | | | | | |
| | | | | | | | 4900 | | | | | |

Coincident with D 5249.

~~Dredge~~ Hydrog. No. 4911 Date, May 18, 1908

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

Turns 20 Cor'n — Depth 20 fms.

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

Character of Bottom Co S

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

No.

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 Pakiputan St, Gulf of Davao. Mind Linao Pt. N 51° E. Lanang Pt N.

Position 7° 03' 15" N 125° 38' 00" E

Chart used: No. 4724 CS Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Metters Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 M. | Down. | | Up. | 9 M. | | | ---- M. | Down. | | Up. | ---- M. | |
| 10 | 5·2 | 00 | 10 | 5·2 | 50 | 0 | | | | | | |
| 10 | 5·2 | 10 | 10 | 5·2 | 15·20 | ~~100~~ | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5249 Date, May 18, 1908

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

Turns 23 Cor'n — Depth 23 fms.

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

Character of Bottom Cs. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 11.00 / 84° Time 11.09 Air 85° / 85°

Density: Surf. 1.02453 fms.

Wind: Direction N.N.E. Force 3

Baromet. 29.72 Amt. of Clouds .1 State of Sea S.

Weather bc.

Direction and Force of Current. Surface / Bottom

Tide

→ 1.8 mi

General Locality Pakiputan St. Gulf of Davao
Linao Pt N 51° E. Lanang Pt. N.

Position 7° 02' 15" N 125° 37' 30" E.

Chart used: No. 4724 Ed'n

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used 6' Alb. Blk., harrow attached, 250# weight, 1 tail weight

Time towing h. 07 m.

Remarks:

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

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 M. | Down. | | Up. | 9 M. | | | 9 M. | Down. | | Up. | 9 M. | |
| 10 | 5-6 | 30 | 10 | 5-7 | 10 | 0 | 10 | 5-8 | 30 | 11 | 08 | 45- |
| 10 | 5-6 | 40 | 10 | 5-6 | 45- | ~~100~~ 30 | 11 | 00 | 05- | 11 | | |
| | | | | | | ~~200~~ 36 | 11 | 02 | 10 | 11 | 07 | 10 |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

~~Dredge~~ / Hydrog. No. 4912 Date, 18 May, 1908

Sdg. Mch. JN Reel JN Shot / Lead 25 lbs.

Turns 20 Cor'n Depth 20 fms.

Sdg. Cup arming Amt. Bot'm Sample trace

Character of Bottom co S

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. Time / Time Air

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current. Surface / Bottom

Tide

---

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Mitters Recorder C E D Long

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ft | M. Down. | | Up. | ft | M. | | M. Down. | | | Up. | | M. |
| 11 | 16 | 00 | 11 | 16 | 55 | 0 | | | | | | |
| 11 | 16 | 19 | 11 | 16 | 22 | 20 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5250 Date, May 18, 1908

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

Turns 23 Cor'n Depth 23 fms.

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

Character of Bottom C.S.

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

No.

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 11 24 Air 84°

84° Time 11 28 84°

Density: Surf. 1.02457 fms. —

Wind: Direction N.N.E. Force 2

Baromet. 29.72 Amt. of Clouds .1 State of Sea S

Weather bc

Direction and Force of Current. Surface

Bottom

Tide

1 mi.

General Locality Gulf of Davao, Pakiputan St. Linas Pt N 22° E, Talicud Id (NE.) S 22° E.

Position 7° 02' 06" N. 125° 58' 15" E

Chart used: No. 4724 CS Ed'n

Drift: Direction — Distance —

Depth of Haul bottom

Apparatus and Rig used 6' Alb. Bells with harrow, 250# Weight, 1 tail weight.

Time towing h. 3½ m.

Remarks:

Deck Officer Mr Metters Recorder C.E. DeLong.

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| @ M. | Down. | | Up. | @ M. | | | @ M. | Down. | | Up. | @ M. | |
| 11 | 20 | 15 | 11 | 21 | 00 | 0 | 11 | 21 | 45 | 11 | 25 | 30 |
| 11 | 20 | 25 | 11 | 20 | 30 | 23 ~~100~~ 30 | 11 | 23 | 50 | 11 | 27 | 10 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

~~Dredge~~ / ~~Hydrog.~~ No. ~~4913~~ Date, May 19, 1908

Sdg. Mch. J.H. Reel J.H. ~~Shot~~ Lead 30 lbs.

Turns 21 Cor'n Depth 21 fms.

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

Character of Bottom cor

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: This sounding was not registered as a dredge or hydrog.

Deck Officer Mr. Hazard Recorder Roberts

11—1023

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | M. Down. | | Up. | P | M. | | M. Down. | | | Up. | | M. |
| 1 | 02 | 10 | 1 | 02 | 50 | 0 | | | | | | |
| 1 | 02 | 20 | 1 | 02 | 30 | 2 1 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5251 Date, May 18, 1918

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

Turns 20 Cor'n Depth 20 fms.

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

Character of Bottom ar

Thermom. Make Nonreused Cor'n Instr.

No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 1:08 P Air 86°

83° Time 1:17 P 86

Density: Surf. 1.02433 fms.

Wind: Direction SW Force 2

Baromet. 29.68 Amt. of Clouds 7 State of Sea S

Weather bc.

Direction and Force of Current. Surface

Bottom

Tide

1.1 mi.

General Locality Davao Gulf Mindanao

Linao Pt N 32 E. Maputian Pt S 29 E. Entrance str.

Position 7-01-40 N-125-37-40 E

Chart used: No. 4724 CS Ed'n

Drift: Direction — Distance

Depth of Haul bot'm

Apparatus and Rig used 6' Alb harrow atch.

250# wt.

Time towing h. 5 m.

Remarks:

Deck Officer Mr Hogard Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | M. Down. | | Up. | P | M. | | P | M. Down. | | Up. | P | M. |
| 1 | 06 | 30 | 1 | 07 | 10 | 0 | 1 | 08 | 30 | 1 | 16 | 30 |
| 1 | 06 | 50 | 1 | 06 | 50 | 20 30 100 | 1 | 10 | 00 | 1 | 15 | 00 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5257 Date, May 18, 1908

Sdg. Mch. JN Reel JN ~~Shot~~ / Lead 25 lbs.

Turns 28 Cor'n Depth 28 fms.

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

Character of Bottom Cr

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 83 Time 1:24 P / 83 Time 1:32 P } Air { 85° / 85 }

Density: Surf. 1.02417 fms.

Wind: Direction SW Force 2

Baromet. 29.68 Amt. of Clouds 6 State of Sea 8

Weather bc

Direction and Force of Current. { Surface / Bottom }

Tide

12. mi.

General Locality Gulf of Davao, Mindanao
Linao Pt N 22 E Maputian Pt S 29 E entrance etc

Position 7-01-24 N - 125-38-00 E

Chart used: No. 4734 CS Ed'n

Drift: Direction S 29 E Distance 1.2

Depth of Haul Intin

Apparatus and Rig used as before

Time towing — h. 4 m.

Remarks:

Deck Officer Mr Hazard Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M. | DOWN. | | UP. | | M. | | M. | DOWN. | | UP. | | M. |
| 1 | 21 | 50 | 1 | 22 | 40 | 0 | 1 | 29 | 10 | 1 | 31 | 10 |
| 1 | 22 | 00 | 1 | 22 | 10 | 28 100 | 1 | 29 | 00 | 1 | 29 | 20 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5253 Date, May 18, 1908

Sdg. Mch. T.N. Reel T.N. ~~Shot~~ Lead 25 lbs.

Turns 28 Cor'n Depth 28 fms.

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

Character of Bottom cr.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 1:42 P / 84° Time 2:02 P Air 83° / 83°

Density: Surf. 1.02433 fms.

Wind: Direction S Force 1-2

Baromet. 29.66 Amt. of Clouds 7 State of Sea S

Weather bc.

Direction and Force of Current. Surface / Bottom

Tide

1.2 mi

General Locality Davao Gulf Mindanao

Linao Pt. N22E Mapution Pt S29E. entrance str.

Position 7-01-24 N-125-38-00 E.

Chart used: No. 4724 CS Ed'n

Drift: Direction N11E Distance 1.0

Depth of Haul bottm.

Apparatus and Rig used as before

Time towing h. 11 m.

Remarks:

Deck Officer Mr Hazard Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. Down. | | | Up. | P. M. | | | P. M. Down. | | | Up. | P. M. | |
| 1 | 34 | 00 | 1 | 35 | 10 | 0 | 1 | 42 | 00 | 2 | 01 | 10 |
| 1 | 34 | 20 | 1 | 34 | 40 | 28 ~~100~~ 56 | 1 | 44 | 00 | | | |
| | | | | | | ~~200~~ 46 | 1 | 47 | 30 | 1 | 58 | 20 |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5254 Date, May 18, 1908

Sdg. Mch. J.H. Reel J.H. ~~Shot~~ Lead 25 lbs.

Turns 21 Cor'n Depth 21 fms.

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

Character of Bottom Sh + cr

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

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 2:25 P / 83° Time 2:34 P Air 83° / 83°

Density: Surf. 1.02417 fms. —

Wind: Direction variable Force 0-1

Baromet. 29.65 Amt. of Clouds 7 State of Sea 5

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

1 mi.

General Locality Davao Gulf, Mindanao
Linao Pt. N44E. Solicud Id (SW) S4E. entrance sti

Position 7-02-00 N-125-37-45 E

Chart used: No. 4724 CS Ed'n

Drift: Direction North Distance 1.3

Depth of Haul btm

Apparatus and Rig used as before

Time towing ~~mm~~ h. 5 m.

Remarks:

Deck Officer Mr Hazard Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | M. Down. | | Up. | P | M. | | P | M. Down. | | Up. | P | M. |
| 2 | 22 | 20 | 2 | 23 | 00 | 0 | 2 | 24 | 20 | 2 | 33 | 00 |
| 2 | 23 | 30 | 2 | 22 | 40 | 2~~8~~100 | 2 | 26 | 00 | 2 | 31 | 00 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge ~~Hydrog.~~ No. 5255 Date, 18 May, 1908

Sdg. Mch. TN Reel Shank Shot Lead 25 lbs.

Turns 100 Cor'n Depth 100 fms.

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

Character of Bottom sft. Jt.

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 84° Time 6.10p. / 84° Time 6:38p Air 83° / 83°

Density: Surf. 1.02227 fms.

Wind: Direction Calm Force 0

Baromet. 29.70 Amt. of Clouds 9 State of Sea 0

Weather bep

Direction and Force of Current. Surface / Bottom

Tide

3.75 mi.

General Locality Davao Gulf, Mindanao

Dumalag Id (S) S 65 W - Talicud I (W) S 14 E

Position 7°00'45" N - 125° 36' 45" E.

Chart used: No. 4724 Ed'n —

Drift: Direction — Distance —

Depth of Haul Bottom

Apparatus and Rig used 12' Sg. NR; 3 glass flts, 3 vrts, 1 mud bag.

Time towing — h. 20 m.

Remarks:

Deck Officer Mr. Metters " Hazard Recorder Sarukil —

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. | M. | Down. | Up. | P. | M. | | P. | M. | Down. | Up. | P. | M. |
| 6 | 02 | 30 | 6 | 06 | 15 | 0 | 6 | 07 | 00 | 6 | 40 | 00 |
| 6 | 03 | 30 | 6 | 04 | 00 | 100 | | 10 | 00 | | 36 | 45 |
| | | | | | | 200 | 6 | 13 | 10 | 6 | 33 | 10 |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5256 Date, May 22, 1908

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

Turns 165 Cor'n — 7 Depth 158 fms.

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

Character of Bottom M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 86° Time 9 50 / 86° Time 10 15 Air 83° / 83½

Density: Surf. 1.02262 fms. —

Wind: Direction S.S.E. Force 1

Baromet. 29.77 Amt. of Clouds ,2 State of Sea S

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

2.8 mi.

General Locality Ilana Bay

Matinus Pt. N 4° E. Utara Pt Bongao Id.

Position 7-21-45 N., 124-07-15 E. N 76° W.

Chart used: No. 4619 Ed'n

Drift: Direction N 49 E. Distance .6

Depth of Haul bottom

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

Time towing h. 20 m.

Remarks:

Deck Officer Mr Hazard Recorder C. E. DeLong.

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. | Down. | | Up. | a M. | | | a M. | Down. | | Up. | a M. | |
| 9 | 37 | 18 | 9 | 44 | 00 | 0 | 9 | 46 | 20 | 10 | 22 | 30 |
| 9 | 38 | 20 | 9 | 41 | 00 | 100 | 9 | 49 | 20 | 10 | 19 | 15 |
| 9 | 39 | 00 | 9 | 39 | 20 | 6-8 ~~200~~ 220 ~~300~~ | 9 | 53 | 10 | 10 | 15 | 40 |
| | | | | | | 400 | 9 | 54 | 30 | 10 | 14 | 30 |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog~~ } No. 5257 Date, May 22, 1908

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

Turns 28 Cor'n —— Depth 28 fms.

Sdg. Cup tallow Amt. Bot'm Sample plentiful

Character of Bottom M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 86° Time 10 12 / 86° Time 10 22 } Air { 83° / 82½ }

Density: Surf. 1.02277. fms.

Wind: Direction S.S.E. Force 1

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

Weather bc

Direction and Force of Current. { Surface / Bottom }

Tide

Mora Pt. Bongao Id. N 88° W, 7.7 mi.

General Locality Illana Bay.

Marigabato Pt. S 10 W., Tugapangan Pt.

Position 7-22-12 N., 124-12-15 E. N 59 W

Chart used: No. 4619 Ed'n

Drift: Direction S 66 E. Distance .6

Depth of Haul bottom

Apparatus and Rig used As before

Time towing h. 20 m.

Remarks:

Deck Officer Mr. Hayward Recorder C.B. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. | Down. | | Up. | a M. | | | a M. | Down. | | Up. | a M. | |
| 10 | 06 | 50 | 10 | 07 | 15 | 0 | 10 | 04 | 52 | 10 | 32 | 50 |
| 10 | 06 | 50 | 10 | 06 | 55 | 25 ~~100~~ 50 | 10 | 10 | 55 | 10 | 30 | 55 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |

Dredge / Hydrog. No. 5258 Date, June 2, 1908

Sdg. Mch. None Reel Shot / Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom used

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 7.09 P / 84° Time 730 P Air 84° / 84°

Density: Surf. 1.02587 — fms.

Wind: Direction W.S.W. Force 2-3

Baromet. 29.74 Amt. of Clouds 10 State of Sea S

Weather beplt

Direction and Force of Current. Surface Bottom

Tide

---

General Locality

Position 10-27-45 N — 122-15-30 E.

Chart used: No. 4717 CS Ed'n

Drift: Direction W.S.W. Distance .3

Depth of Haul Surface

Apparatus and Rig used 10 Inter. 500 ft wd. (No 5 Inter. from dy No 4 has been used)

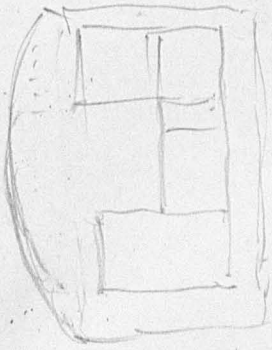
Time towing h. 20 m.

Remarks:

Deck Officer McCassidy Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ___ M. | | DOWN. | UP. | | ___ M. | | P___ M. | | DOWN. | UP. | | P___ M. |
| | | | | | | 0 | 7 | 08 | 10 | 7 | 29 | 20 |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
| | | | | | | 1200 | | | | | | |
| | | | | | | 1300 | | | | | | |
| | | | | | | 1400 | | | | | | |
| | | | | | | 1500 | | | | | | |
| | | | | | | 1600 | | | | | | |
| | | | | | | 1700 | | | | | | |
| | | | | | | 1800 | | | | | | |
| | | | | | | 1900 | | | | | | |
| | | | | | | 2000 | | | | | | |
| | | | | | | 2100 | | | | | | |
| | | | | | | 2200 | | | | | | |
| | | | | | | 2300 | | | | | | |
| | | | | | | 2400 | | | | | | |
| | | | | | | 2500 | | | | | | |
| | | | | | | 2600 | | | | | | |
| | | | | | | 2700 | | | | | | |
| | | | | | | 2800 | | | | | | |
| | | | | | | 2900 | | | | | | |
| | | | | | | 3000 | | | | | | |
| | | | | | | 3100 | | | | | | |
| | | | | | | 3200 | | | | | | |
| | | | | | | 3300 | | | | | | |
| | | | | | | 3400 | | | | | | |
| | | | | | | 3500 | | | | | | |
| | | | | | | 3600 | | | | | | |
| | | | | | | 3700 | | | | | | |
| | | | | | | 3800 | | | | | | |
| | | | | | | 3900 | | | | | | |
| | | | | | | 4000 | | | | | | |
| | | | | | | 4100 | | | | | | |
| | | | | | | 4200 | | | | | | |
| | | | | | | 4300 | | | | | | |
| | | | | | | 4400 | | | | | | |
| | | | | | | 4500 | | | | | | |
| | | | | | | 4600 | | | | | | |
| | | | | | | 4700 | | | | | | |
| | | | | | | 4800 | | | | | | |
| | | | | | | 4900 | | | | | | |



90
22½
67½

32

775
3 10
4.30

1341
380
961
802
1763

175 | 3
15 | 58
25 | 2
27 | 116

Inter = 2/3