No. 5.

From D. 5259

to D 5303.

Next Hydrographic No. 4918

507

Dredge / ~~Hydrog.~~ No. 5259. Date, 3 June, 1908

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

Turns 312 Cor'n — Depth 312 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 312 g.

Character of Bottom gy m. Glob.

Thermom. Make N.B. No. 108023. Cor'n Instr. -.24 Stem. -.48

Bottom Reading 50° Cor'd Temp. 49.3

Temp. Surf. 85° Time 10:30a 85° Time 10:53a Air 84.5° 84°

Density: Surf. 1.02489 Botm fms. 1.02484

Wind: Direction WSW Force 2

Baromet. 29.73 Amt. of Clouds 9 State of Sea S

Weather Ucz.

Direction and Force of Current. Surface Bottom

Tide

---

General Locality Sulu Sea.

Calauya Id. (S) S73W - Pucio Pt (Panay) S31E.

Position 11°57'30"N - 121°42'15"E.

Chart used: No. 4714 Ed'n —

Drift: Direction N 6° W Distance 1.0 m.

Depth of Haul Bottom.

Apparatus and Rig used 12' Agassiz N.R.; 3 glass floats; 2 wing - & 1 tailweight; mud-bag.

Time towing — h. 20 m.

Remarks: Waterbottle used in sounding.

Deck Officer W. F. Mellen Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. Down. | | | Up. A. M. | | | | A. M. Down. | | | Up. A. M. | | |
| 10 | 02 | 45 | 10 | 09 | 10 | 0 | 10 | 14 | 45 | 11 | 05 | 30 |
| | 03 | 40 | | 08 | 25 | 100 | | 19 | 30 | 11 | 02 | 15 |
| | 04 | 35 | | 07 | 55 | 200 | | 23 | 20 | | 58 | 50 |
| | 05 | 35 | | 07 | 15 | 300 | | 26 | 45 | | 55 | 10 |
| 10 | 05 | 45 | 10 | 07 | 10 | 312 400 | 10 | 30 | 50 | 10 | 50 | 55 |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5260 Date, June 3, 1908

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

Turns 234 Cor'n — Depth 234 fms.

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

Character of Bottom gn. M; small amt of S.

Thermom. Make N.Z. No. 108023 Cor'n Instr. -.24 Stem. -.47

Bottom Reading 52.1 Cor'd Temp. 51.4

Temp. Surf. 85° Time 3.22 / 83° Time 3.54 Air 85° / 85°

Density: Surf. 1.02489 Botm ~~fms~~ 1.02484

Wind: Direction S.W. Force 3

Baromet. 29.66 Amt. of Clouds .7 to .8 State of Sea S.

Weather bct

Direction and Force of Current. Surface / Bottom

Tide

---

General Locality China Sea E. of Mindoro Bayallas Pt. S 50 W. Bugtonbata Pt. N. 35 W.

Position 12-25-30 N. 121-31-30 E.

Chart used: No. 4311 Ed'n —

Drift: Direction N. 14 W Distance 2.2

Depth of Haul bottom

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

Time towing h. m.

Remarks:

Deck Officer Mr. Hazard Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. | M. | Down. | Up. | P. | M. | | P. | M. | Down. | Up. | P. | M. |
| 3 | 11 | 10 | 3 | 16 | 45 | 0 | 3 | 20 | 30 | 4 | 02 | 30 |
| 3 | 12 | 30 | 3 | 16 | 00 | 100 | 3 | 24 | 00 | 3 | 59 | 15 |
| 3 | 13 | 30 | 3 | 15 | 15 | 200 | 3 | 27 | 35 | 3 | 56 | 00 |
| 3 | 13 | 55 | 3 | 14 | 55 | 300 234 | 3 | 31 | 25 | 3 | 52 | 30 |
| | | | | | | 400 310 | 3 | 31 | 50 | 3 | 51 | 50 |
| | | | | | | 500 | | | | | | |
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~~Dredge~~ Hydrog. } No. 4912 Date, June 4, 1908

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

Turns 56 Cor'n 56 Depth 56 fms.

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

Character of Bottom blue m & sw

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air {

Density: Surf. 1.82463 fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current. { Surface / Bottom }

Tide

---

General Locality Balanja Pt N 73 W Dwyagan Pt N 7 E, East Mindoro

Position 12°30'55"N - 121°31'48"S.

Chart used: No. 4311 Ed'n —

Drift: Direction ? Distance ?

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | M. Down. | | Up. | P | M. | | | M. Down. | | Up. | | M. |
| 5 | 33 | 25 | 5 | 35 | 50 | 0 | | | | | | |
| 5 | 34 | 00 | 5 | 34 | 20 | 56 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
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Dredge / Hydrog. No. 5261 Date, June 4, 1908

Sdg. Mch. Tanner Reel Tt Shot / Lead 35 lbs.

Turns 150 Cor'n Depth 145 fms.

Sdg. Cup Arming Amt. Bot'm Sample 7 oz

Character of Bottom Sn & m

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 84° Time 6:10 P; 83 Time 6:41 P Air 85°; 85°

Density: Surf. 1.02448 fms.

Wind: Direction NW Force 2

Baromet. 29.63 Amt. of Clouds 7 State of Sea S

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

---

General Locality Balanja Pt N 90 W Duyagan Pt N 14 W East Mindoro

Position 12°30'55" N – 121°34'24" E

Chart used: No. 4311 C5 Ed'n

Drift: Direction N 29 E Distance 1 ½

Depth of Haul bottom

Apparatus and Rig used 12' agassiz N.R. 1 tail wt 1 mud bags 3 glass bales

Time towing — h. 20 m.

Remarks:

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. |
| 5 | 58 | 10 | 6 | 04 | 10 | 0 | 6 | 02 | 30 | 6 | 40 | 00 |
| 5 | 59 | 00 | 6 | 01 | 40 | 100 | 6 | 06 | 00 | | 36 | 20 |
| 5 | 59 | 30 | 6 | 00 | 20 | 150 200 | | 09 | 00 | | 32 | 45 |
| | | | | | | ~~300~~ 240 | 6 | 11 | 00 | 6 | 31 | 00 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
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39

Dredge / Hydrog. No. 5262 Date, June 4, 1968

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

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. 83 Time 737 P; 83 Time 800 P Air 85°; 84°

Density: Surf. 1.02448 _____ fms.

Wind: Direction N.E. Force 2

Baromet. 29.64 Amt. of Clouds 7 State of Sea S

Weather bcsf

Direction and Force of Current. Surface _____ Bottom _____

Tide _____

General Locality East Mindoro

no bearings

Position 12°37'30"N - 121°37'30"E

Chart used: No. 4714 CS Ed'n _____

Drift: Direction North Distance .5

Depth of Haul surface

Apparatus and Rig used 10' Int, σ K2 + Kn

Towed 15 min

Time towing _____ h. 20 m.

Remarks:

Deck Officer Mr Meeters Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M. | | DOWN. | UP. | | M. | | M. | | DOWN. | UP. | M. | |
| | | | | | | 0 | 7 | 38 | 55 | 7 | 59 | 30 |
| | | | | | | 100 | | | | | | |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
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Dredge / Hydrog. No. 5263 Date, 4 June, 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. 83° Time 8:45 p.m. Time ____ Air 84°

Density: Surf. — fms. —

Wind: Direction Variable Force 1.

Baromet. 29.66 Amt. of Clouds 1 State of Sea S.

Weather Cl

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality ____

no bearings

Position 12°38'30" N - 121°37'30" E.

Chart used: No. 4714 Ed'n —

Drift: Direction North Distance 0.5 m.

Depth of Haul Est. 65 ft.

Apparatus and Rig used No 5 10' Inter. with 2 planktons attached, no. 20 x 2; double cone sinker.

Time towing — h. 20 m.

Remarks: ____

Deck Officer Mr. Hazard Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ---- M. Down. | | | Up. | ---- M. | | | D M. Down. | | | Up. D M. | | |
| | | | | | | 0 | 8 | 13 | 30 | 8 | 41 | 10 |
| | | | | | | 100 | 8 | 16 | 30 | 8 | 36 | 30 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5264 Date, June 6, 1908

Sdg. Mch. Tanner Reel F.M. ~~Shot~~ Lead 30 lbs.

Turns 190- Cor'n -9 Depth 181 fms.

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

Character of Bottom S.P.

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

Bottom Reading used Cor'd Temp.

Temp. Surf. 84° Time 8:35 / 84° Time 8.42 Air 84 1/4° / 84 1/2°

Density: Surf. 1.02453 fms. —

Wind: Direction S. Force 2

Baromet. 29.68 Amt. of Clouds .4 State of Sea S

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

Malabrigo St. N 86°30'E 7.3 mi.

General Locality Verde Id Passage

Verde Id (S.E.) S.34W., Matoco Pt. Ly. N. 66 W.

Position 13-35-30 N. 121-08-00 E.

Chart used: No. 4240 Ed'n

Drift: Direction S. 37 E. Distance 0.5

Depth of Haul bottom

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

Time towing h. 4 m.

Remarks: Scale registered from 4 to over 5 tons while heaving in. Wire broke & everything lost with 20 fath wire. Accumulator jumped out of yoke after wire broke.

Deck Officer Mr. Hazard Recorder C.E. Long

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. | Down. | | Up. | a M. | | | a M. | Down. | | Up. | a M. | |
| 8 | 15 | 40 | 8 | 24 | 50 | 0 | 8 | 27 | 15 | | | |
| 8 | 16 | 50 | 8 | 21 | 55 | 100 | 8 | 30 | 30 | 8 | 57 | 00 |
| 8 | 19 | 10 | 8 | 19 | 20 | 200 | 8 | 34 | 00 | 8 | 48 | 50 |
| | | | | | | 300 | 8 | 37 | 30 | 8 | 41 | 50 |
| | | | | | | 400 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5265 Date, June 6, 1908

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

Turns 138 Cor'n - 3 Depth 135 fms.

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

Character of Bottom S, M.

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

Bottom Reading used Cor'd Temp.

Temp. Surf. 85° Time 11 05 / 85° Time 11 35 Air 87 1/2° / 89 1/2

Density: Surf. 1.02489 fms.

Wind: Direction N.Dk. Force 1

Baromet. 29.66 Amt. of Clouds .6 State of Sea S

Weather bc

Direction and Force of Current. Surface / Bottom

Tide Matoco Pt. S 17 E, 3.3 nai.

General Locality Balangas Bay

Culebra Id (cuts) S 50 W. Matoco Pt. Lng S 17 E

Position 13-41-15 N. 121-00-50 E.

Chart used: No. 4240 Ed'n

Drift: Direction N. 46 W. Distance 1.0

Depth of Haul bottom

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

Time towing h. 20 m.

Remarks: Port wing weight

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. | |
| 10 | 47 | 00 | 10 | 52 | 40 | 0 | 10 | 59 | 30 | 11 | 38 | 00 |
| 10 | 48 | 15 | 10 | 50 | 10 | 100 | 11 | 02 | 50 | 11 | 34 | 40 |
| 10 | 48 | 45 | 10 | 49 | 00 | 200 | 11 | 06 | 30 | 11 | 31 | 25 |
| | | | | | | 300 | 11 | 07 | 30 | | | |
| | | | | | | 400 | 11 | 08 | 40 | 11 | 28 | 40 |
| | | | | | | 500 | | | | | | |
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Dredge / Hydrog. No. 5266 Date, June 8, 1908

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

Turns 110 Cor'n Depth 100 fms.

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

Character of Bottom m

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 9:17 a / 85 Time 9:46 a Air 83° / 84°

Density: Surf. 1.02448 fms. —

Wind: Direction calm Force 0

Baromet. 29.78 Amt. of Clouds 7 State of Sea S

Weather bcy

Direction and Force of Current. Surface / Bottom

Tide

→ 7 mi.

General Locality Batangas Bay
Cayador Pt (Luzon) S 59 W Matoco Pt S 22 E

Position 13-44-36 N - 120-59-15 E

Chart used: No. 4240 CS Ed'n

Drift: Direction N 86 W Distance 1.1

Depth of Haul bottom

Apparatus and Rig used 1 2 Agassiz N.R. 1 m bag
1 tail wt. 2 wing wts. 3 glass balls

Time towing — h. 20 m.

Remarks:

Deck Officer McMetters Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. Down. | | | Up. a M. | | | | a M. Down. | | | Up. a M. | | |
| 9 | 06 | 50 | 9 | 10 | 30 | 0 | 9 | 11 | 30 | 9 | 45 | 00 |
| 9 | 07 | 40 | 9 | 08 | 20 | 100 | 9 | 14 | 20 | | 46 | 20 |
| 9 | 07 | 45 | 9 | 08 | 00 | 110 190 ~~200~~ | 9 | 17 | 30 | 9 | 37 | 30 |
| | | | | | | 300 | | | | | | |
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Dredge / Hydrog. No. 5267 Date, June 8, 1908

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

Turns 175 Cor'n Depth 170 fms.

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

Character of Bottom pbl. sh. & sn

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

Bottom Reading Cor'd Temp.

Temp. Surf. 85° Time 10:15 a / Time Air 85

Density: Surf. 1.02448 fms.

Wind: Direction variable Force 0-1

Baromet. 29.78 Amt. of Clouds 6 State of Sea S

Weather bcy

Direction and Force of Current. Surface / Bottom

Tide

5.5 mi

General Locality Batangas Bay.
Cayador Pt. (Luzon) S 75 W Matoco Pt. (Luzon) S 89 E

Position 13-42-20 N-120-58-25 E

Chart used: No. 4240 C8 Ed'n —

Drift: Direction S 65 W Distance 1.3

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 20 m.

Remarks: Recording watch stopped at 10:15.

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. | |
| 10 | 06 | 15 | 10 | 17 | 20 | 0 | 10 | 14 | 30 | 10 | 55 | 30 |
| | 07 | 00 | | 09 | 50 | 100 | | 18 | 30 | | 57 | 10 |
| 10 | 07 | 40 | 10 | 08 | 00 | 175 200 | | 22 | 00 | | 15 | 40 |
| | | | | | | ~~300~~ 280 | 10 | 25 | 00 | 10 | 45 | 00 |
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Dredge / Hydrog. No. 5268 Date, June 8, 1908

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

Turns 178 Cor'n Depth 170 fms.

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

Character of Bottom Sn. & peb.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 85° Time 11:05 a / 85° Time 11:45 a Air 83° / 80°

Density: Surf. 1.02433 fms.

Wind: Direction South Force 1-2

Baromet. 29.75 Amt. of Clouds 7 State of Sea 5

Weather bcz

Direction and Force of Current. Surface / Bottom

Tide

5.8 mi.

General Locality Batangas Bay

Cagador Pt. (Luzon) S7/8 W. Mataco Pt. (Luzon) S50 E.

Position 13-42-00 N. - 120-57-15 E.

Chart used: No. 4240CS Ed'n

Drift: Direction N 3 W Distance 1.0

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 20 m.

Remarks:

Deck Officer Mr Mitters Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. Down. | | | Up. | a M. | | | a M. Down. | | | Up. a M. | | |
| 10 | 57 | 00 | | | | 0 | 11 | 03 | 20 | 11 | 44 | 30 |
| | 57 | 50 | 11 | 00 | 50 | 100 | | 07 | 10 | | 41 | 00 |
| 10 | 58 | 30 | 10 | 59 | 00 | 178 200 | | 10 | 30 | | 37 | 40 |
| | | | | | | 300 | 11 | 14 | 00 | 11 | 34 | 00 |
| | | | | | | 400 | | | | | | |
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Dredge / Hydrog. No. 5269 Date, 8 June, 1908

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

Turns 238 Cor'n 240 = 221 Shank Depth 220 fms.

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

Character of Bottom fne P. S.

Thermom. Make N3. No. 108023. Cor'n Instr. Stem.

Bottom Reading didn register Cor'd Temp.

Temp. Surf. 85° Time 1:23 p. 85° Time 1:55 p. Air 84° 85°

Density: Surf. 1.02417 — fms. 1.02509

Wind: Direction SE Force 3

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

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

3 mi.

General Locality Batangas Bay

Culebra Id (E) S51W - Matoco Pt S54E

Position 13°39'50"N - 120°59'30"E

Chart used: No. 4240 Ed'n —

Drift: Direction N 18 E Distance 1.5 m

Depth of Haul Bottom

Apparatus and Rig used As before.

Time towing — h. 20 m.

Remarks: Wtr bottle used in sdg. —
Thermometer tripped but failed to register.

Deck Officer Mr. Hazard Recorder Arnkil

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P M. | Down. | | Up. | P M. | | | P M. | Down. | | Up. | P M. | |
| 1 | 04 | 10 | 1 | 15 | 00 | 0 | 1 | 19 | 40 | 1 | 09 | 50 |
| | 05 | 40 | | 11 | 50 | 100 | | 23 | 00 | | 06 | 20 |
| | 07 | 10 | | 08 | 45 | 200 | | 26 | 00 | 1 | 01 | 50 |
| 1 | 07 | 50 | 1 | 08 | 00 | 238 300 | | 29 | 15 | | 57 | 10 |
| | | | | | | 400 | | 32 | 30 | | 55 | 30 |
| | | | | | | 430 ~~500~~ | 1 | 34 | 00 | 1 | 54 | 00 |
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Dredge / ~~Hydrog.~~ No. 5270 Date, 8 June, 1908

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

Turns 270 Cor'n Depth 235 fms.

Sdg. Cup arming Amt. Bot'm Sample Trace

Character of Bottom gy. S. & Sp. —

Thermom. Make N.3. No. 108023. Cor'n Instr. -.24 Stem. -.47

Bottom Reading 50.5° Cor'd Temp. 49.5

Temp. Surf. 84° Time 3.20p. 83° Time 3:50p. Air 85° 80.5°

Density: Surf. 1.02448 fms.

Wind: Direction SE-WSW Force 3-4

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

Weather Veg

Direction and Force of Current. Surface Bottom

Tide

4.25 mi.

General Locality Verde Id. Passage.

Escarces Lt. S9E - Verde Id (N) S79E

Position 13°35'45"N = 120°58'30"E

Chart used: No. 4240 Ed'n —

Drift: Direction N 1W Distance 1.1 m.

Depth of Haul Est. 130-150 fms.

Apparatus and Rig used 10' Inter #5; 2 plankton #20 x #2; double cone.

Time towing — h. 20 m.

Remarks: Wtr. bottle used in sdg., but no specimen recovered (= leaks out)

Deck Officer Mr. Hazard Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. Down. | | | Up. | P. M. | | | P. M. Down. | | | Up. | P. M. | |
| 3 | 04 | 00 | 3 | 15 | 30 | 0 | 3 | 20 | 20 | 3 | 55 | 00 |
| | 05 | 00 | | 12 | 25 | 100 | | 23 | 30 | | 51 | 00 |
| | 06 | 00 | | 09 | 15 | 200 | 3 | 27 | 00 | 3 | 47 | 00 |
| 3 | 06 | 50 | 3 | 07 | 00 | 270 300 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5271 Date, July 14, 1908

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

Turns Cor'n Depth fms.

Sdg. Cup Sigsbe Amt. Bot'm Sample

Character of Bottom

Thermom. Make N.Z. No. 108023 ✓ 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: Ran out 75 fath dredging wire to take out turns. Every thing carried away at sounding, including water bottle, thermometer, Sigsbe Sndng. Cup, 30# shot and 4 fath wire. Stray lead put on above ther and water bottle

Deck Officer Mr Metters Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
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Dredge / ~~Hydrog.~~ No. 5-271 Con. Date, July 14, 1908

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

Turns 56 Cor'n — Depth 56 fms.

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

Character of Bottom S.

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

Bottom Reading Cor'd Temp. —

Temp. Surf. 85° Time 8.16 / 85° Time 8.39 Air 83° / 83½

Density: Surf. 1.02552 fms.

Wind: Direction S.W. Force 3

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

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

Corregidor ~~Lt.~~ N 18°30'E., 20.7 mi.

General Locality Fortune I'd (S.E.) E.; Limbone I'd (N.W.) N. 33° E.; China Sea, E. Luzon

Position Lat 14° 03' 00" N. Long 120° 27' 45" E

Chart used: No. 4240 Ed'n Feb 1907

Drift: Direction S. Distance .7 mi.

Depth of Haul bottom

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

Time towing h. 19¾ m.

Remarks: See preceding page.

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. | |
| 8 | 07 | 40 | 8 | 10 | 48 | 0 | 8 | 14 | 00 | 8 | 43 | 40 |
| 8 | 08 | 10 | 8 | 08 | 15 | 5-6 ~~100~~ 110 | 8 | 18 | 00 | 8 | 39 | 50 |
| | | | | | | ~~200~~ | 8 | 19 | 00 | | | |
| | | | | | | ~~300~~ 625 | 8 | 29 | 30 | 8 | 38 | 45 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5272 Date, July 14, 1908

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

Turns 121 Cor'n -3 Depth 118 fms.

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

Character of Bottom M. sh., Co. S.

Thermom. Make N. Z. No. 108013 Cor'n Instr. -.19 Stem. -.44

Bottom Reading 58° Cor'd Temp. 57.4

Temp. Surf. 84° Time 9 41 / 84° Time 10 15 Air 83° / 83°

Density: Surf. 1.02453. fms.

Wind: Direction S.W. Force 3

Baromet. 29.68 Amt. of Clouds .5 State of Sea G

Weather bcy

Direction and Force of Current. Surface Bottom

Tide Corregidor Lt. N 27° E., 25.50 mi.

General Locality Fortune Id. (N.W.) N. 60° E.; Malavatan Id (E.) S 14° W; China Sea, E. Luzon

Position Lat 14° 00' 00" N; Long 120° 22' 30" E.

Chart used: No. 4240 Ed'n

Drift: Direction S. 37° E. Distance 3 mi

Depth of Haul bottom

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

Time towing h. 26 1/3 m.

Remarks:

Deck Officer Mr Mutters Recorder C.E. De Long

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. | Down. | | Up. | a M. | | | a M. | Down. | | Up. | a M. | |
| 9 | 30 | 30 | 9 | 36 | 20 | 0 | 9 | 33 | 00 | 10 | 19 | 20 |
| 9 | 31 | 30 | 9 | 32 | 50 | 100 | 9 | 38 | 30 | 10 | 13 | 40 |
| 9 | 31 | 40 | 9 | 32 | 10 | 121 ~~200~~ 123 | 9 | 41 | 15 | 10 | 10 | 10 |
| | | | | | | 200 ~~300~~ | 9 | 42 | 50 | | | |
| | | | | | | 220 ~~400~~ | 10 | 05 | 10 | 10 | 09 | 10 |
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Dredge / ~~Hydrog.~~ No. 5273 Date, July 17, 1908

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

Turns 117 Cor'n -3 Depth 114 fms.

Sdg. Cup tallow Amt. Bot'm Sample plentiful

Character of Bottom M., sh., co. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 10:47:30 / 84° Time 11:18 Air 83° / 83°

Density: Surf. not taken fms.

Wind: Direction S.W. x W. Force 3-4

Baromet. 29.68 Amt. of Clouds 6 State of Sea 4

Weather bc.

Direction and Force of Current. Surface / Bottom

Tide

Corregidor Lt. N. N27°-30' E., 27.25 mi.

General Locality Fortune Id (N.W.) N. 56° E.; Malavatuan Id (E.) S 9° W.; China Sea E. Luzon

Position 13° 58' 45" N. 120° 21' 35" E

Chart used: No. 4240 Ed'n

Drift: Direction N. 8° E. Distance 1.7 mi.

Depth of Haul bottom

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

Time towing h. 30 m.

Remarks:

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

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. Down. | | | Up. a M. | | | | a M. Down. | | | Up. a M. | | |
| 10 | 32 | 20 | 10 | 38 | 20 | 0 | 10 | 37 | 00 | 11 | 27 | 30 |
| 10 | 33 | 15 | 10 | 34 | 15 | 100 | 10 | 41 | 40 | 11 | 22 | 00 |
| 10 | 33 | 35 | 10 | 33 | 45 | ~~200~~ 114 | 10 | 44 | 50 | 11 | 18 | 20 |
| | | | | | | ~~300~~ 210 | 10 | 45 | 10 | | | |
| | | | | | | ~~400~~ 234 | 10 | 47 | 00 | 11 | 17 | 00 |
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Dredge / Hydrog. No. 5274 Date, July 16, 1958

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

Turns Cor'n 20% angle Depth 525 fms.

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

Character of Bottom gy, m. S.

Thermom. Make NY No. 108013 Cor'n Instr. -.06 Stem. -.63

Bottom Reading 42 Cor'd Temp. 41.3°

Temp. Surf. 83° Time 10:28 a Time Air 87°

Density: Surf. 1.02497 Botm fms. 1.02577

Wind: Direction SW Force 6

Baromet. 29.62 Amt. of Clouds 8 State of Sea S

Weather bcy.

Direction and Force of Current. Surface Bottom

Tide Malavatuan Id. (N) S 73°, 30' E 17.50 mi

General Locality Tabras Id (NW) S 32 W
Lubang Id (NW) S 8° E, China Sea N. Tabras Id

Position 13-57-30 N - 120-3-25 E
[20] Pl. (4240) [30]

Chart used: No. 4714 Ed'n

Drift: Direction N 63° E Distance 1.7

Depth of Haul botm.

Apparatus and Rig used 12' Agassiz NR 1 tail wt
2 wing wts 3 glass bales 180# cable
wt

Time towing h. 30 m.

Remarks: water bottle was used in
sounding

Deck Officer Mr Cassidy Recorder M C Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A.M. Down. | | | Up. | A.M. | | | A.M. Down. | | | Up. | A.M. | |
| 9 | 8 | 50 | 9 | 25 | 40 | 0 | 9 | 27 | 10 | 11 | 07 | 30 |
| | 13 | 10 | | 22 | 00 | 100 | | 31 | 10 | 11 | 03 | 30 |
| | 12 | 05 | | 21 | 20 | 200 | | 34 | 40 | 11 | 00 | 00 |
| | 15 | 10 | | 20 | 40 | 300 | | 38 | 20 | | 56 | 10 |
| | 16 | 10 | | 19 | 05 | 400 | | 41 | 25 | | 52 | 30 |
| | 17 | 15 | | 18 | 20 | 500 | | 44 | 40 | | 48 | 05 |
| 9 | 17 | 50 | 9 | 18 | 50 | 525 600 | | 48 | 10 | | 43 | 40 |
| | | | | | | 700 | | 51 | 30 | | 39 | 00 |
| | | | | | | 800 | | 55 | 30 | | 34 | 15 |
| | | | | | | 900 | 9 | 59 | 00 | 10 | 29 | 00 |
| | | | | | | 1000 | | | | | | |
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Dredge ~~Hydrog.~~ No. 5275 Date, 16 Jul, 1908

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

Turns 120 Cor'n 120 = 117 Depth 117 fms.

Sdg. Cup Arming Amt. Bot'm Sample Trace

Character of Bottom fine S.

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

Bottom Reading — Cor'd Temp. —

Temp. Surf. 83° Time 12:57 p. / 84° Time 1:35 p. Air 82° / 82°

Density: Surf. 1.02453 — fms. —

Wind: Direction SSW Force 3-4

Baromet. 29.61 Amt. of Clouds 10 State of Sea C

Weather opq

Direction and Force of Current. Surface / Bottom

Tide

Malavatuan Id. (N) S 71° E., 10.75 mi.

General Locality China Sea, N. Lubang Id.

Ambil Id. (W) S 36 E - Lubang Id. (NW) S 54 W

Position 13° 55' 55" N - 120° 10' 15" E
[50] [00]

Chart used: No. 4240 Ed'n

Drift: Direction N 84° E Distance 1.5 m.

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing — h. 20 m.

Remarks: Sta. Hy 4913, next page, also shows terminal sdg. of this number.

Deck Officer Mr. Nathan Recorder Arnold

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Φ M. Down. | | | Up. Φ M. | | | | Φ M. Down. | | | Up. Φ M. | | |
| 12 | 49 | 10 | 12 | 54 | 30 | 0 | 12 | 53 | 00 | 1 | 32 | 00 |
| | 50 | 10 | | 51 | 20 | 100 | | 56 | 40 | | 28 | 40 |
| 12 | 50 | 30 | 12 | 50 | 50 | 120 200 | | 59 | 20 | | 25 | 10 |
| | | | | | | 300 550 | 1 | 01 | 00 | | | |
| | | | | | | 300 ~~400~~ | 1 | 05 | 00 | 1 | 21 | 20 |
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~~Dredge~~ Hydrog. No. 4913 *) Date, 16 Jul, 1908

Sdg. Mch. JN Reel Shark Shot Lead 20 lbs.

Turns 120 Cor'n 120=117 Depth 117 fms.

Sdg. Cup Arming Amt. Bot'm Sample Plenty

Character of Bottom S Sh P

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

Malawaluan Id (N) S 67° E. 9.3 mi.

General Locality China Sea, N Lubang Id.

Ambil Id (W) S 28 E. Lubang (NW) S 59 W

Position 13° 56' N - 120° 11' 40" E.

Chart used: No. 4240 Ed'n -

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: *) Terminal of Sta. Dr. 0275.

Deck Officer Mr. Melton Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø M. Down. | | | Up. | Ø M. | | | ---- M. Down. | | | Up. | ---- M. | |
| 1 | 26 | 50 | 1 | 32 | 10 | 0 | | | | | | |
| | 27 | 50 | | 28 | 55 | 100 | | | | | | |
| 1 | 28 | 00 | 1 | 28 | 10 | 120 200 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5276 Date, July 17, 1906

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

Turns 18 Cor'n — Depth 16 fms.

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

Character of Bottom sh. P. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 82° Time 8.49 / 82° Time 9.05 } Air { 80° / 80½° }

Density: Surf. ✗ not taken fms.

Wind: Direction S.S.E. Force 3

Baromet. 29.64 Amt. of Clouds 10 State of Sea C.

Weather cldy.

Direction and Force of Current. { Surface / Bottom }

Tide

Malawatuan Id (N.W.) N 61° 30' E., 6.5 mi

General Locality Ambil Id (W) S 56° E., N.E. point to Balibias Bay S. 3° W.; China Sea N. Luban

Position 13° 49' 15" N; 120° 14' 45" E

Chart used: No. 4270 Ed'n

Drift: Direction N 22° W Distance 17 min.

Depth of Haul bottom

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

Time towing h. 15 m.

Remarks: Net badly torn.

Deck Officer Mr. Mutters Recorder C.E. Long

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 M. DOWN. | | | UP. | 9 M. | | | 9 M. DOWN. | | | UP. | 9 M. | |
| 8 | 43 | 50 | 8 | 44 | 20 | 0 | 8 | 45 | 10 | 9 | 07 | 00 |
| 8 | 44 | 00 | 8 | 44 | 05 | 15 ~~100~~ 76 | 8 | 48 | 30 | | | |
| | | | | | | ~~200~~ 145 | 8 | 51 | 00 | 9 | 03 | 40 |
| | | | | | | 300 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5277 Date, July 17, 19

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

Turns 81 Cor'n — Depth 80 fms.

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

Character of Bottom fine S.

Thermom. Make N.Z. No. 108013 Cor'n Instr. -.2 Stem. -.41

Bottom Reading 59.2 Cor'd Temp. 58.6

Temp. Surf. 83° Time 10 11 / 83° Time 10 40 Air 82 1/2° / 81°

Density: Surf. 1.02442 fms.

Wind: Direction S.S.W. Force 4

Baromet. 29.65 Amt. of Clouds 10 State of Sea C

Weather O

Direction and Force of Current. Surface / Bottom

Tide

Malavatuan Id (N) S 56° E. 8 mi.

General Locality Ambil Id. (W) S 12° E; Malavatuan Id (N) S. 56° E.; China Sea N. Lubang Id

Position 13° 56' 55" N. [45] 120° 13' 45" E

Chart used: No. 4240 Ed'n

Drift: Direction S. 70° E. Distance 1.2 mi.

Depth of Haul bottom

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

Time towing h. 19 3/4 m.

Remarks:

Deck Officer Mr. Metterson Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. Down. | | | Up. | a M. | | | a M. Down. | | | Up. | a M. | |
| 10 | 01 | 50 | 10 | 06 | 20 | 0 | 10 | 08 | 35 | 10 | 49 | 30 |
| 10 | 02 | 55 | 10 | 03 | 15 | 80 ~~100~~ | 10 | 12 | 15 | 10 | 45 | 25 |
| | | | | | | 200 | 10 | 15 | 20 | 10 | 42 | 15 |
| | | | | | | 300 | 10 | 18 | 35 | 10 | 39 | 00 |
| | | | | | | ~~400~~ 312 | 10 | 18 | 45 | 10 | 38 | 30 |
| | | | | | | 500 | | | | | | |
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Dredge / Hydrog. No. 5278 Date, July 17, 1928

Sdg. Mch. Tow Reel Sigsbe Shot / Lead 30 lbs.

Turns 102 Cor'n — Depth 102 fms.

Sdg. Cup Sigsbe Amt. Bot'm Sample Did not find out quantity.

Character of Bottom fne S.M. Sh

Thermom. Make N.Z. No. 108013 Cor'n Instr. -.2 Stem. -.37

Bottom Reading 60.2° Cor'd Temp. 59.6

Temp. Surf. 82° Time 11 43 A 82° Time 12:15 P Air 81 3/4° 83°

Density: Surf. 1.02457 fms.

Wind: Direction S.S.W. Force 4

Baromet. 29.65 Amt. of Clouds 9 State of Sea C

Weather bcz pg

Direction and Force of Current. Surface Bottom

Tide

8.5 mi.

General Locality China Sea North Lubang 2d Fortune 2d (N) N 73 E Malavatuan (2) (N) S 23 E

Position 14-00-10 N - 120-17-15 E [15]

Chart used: No. 4240 Ed'n —

Drift: Direction S 80 E Distance .6

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz N.R., Mud bag, 3 glass floats, 1 tail weight, 2 wing weights, 180# sinker

Time towing h. 0 21 m.

Remarks: Cumulator registered as high as 3 1/2 tons when net came to surface loaded with mud forwarded part of net carried away, landed net with block and tackle, broke one glass bale.

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

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A M. Down. | | | Up. A M. | | | | A M. Down. | | | Up. A M. | | |
| 11 | 32 | 35 | 11 | 35 | 30 | 0 | 11 | 42 | 00 | | 14 | 10 |
| 11 | 33 | 35 | 11 | 34 | 35 | ~~100~~ | 11 | 45 | 00 | | 06 | 50 |
| 11 | 33 | 35 | 11 | 34 | 35 | ~~182~~ ~~200~~ | 11 | 48 | 05 | 12 | 02 | 00 |
| | | | | | | 300 | 11 | 50 | 35 | 11 | 58 | 20 |
| | | | | | | ~~400~~ 350 | 11 | 52 | 00 | | | |
| | | | | | | ~~500~~ 360 | 11 | 52 | 35 | 11 | 56 | 15 |
| | | | | | | 600 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5279 Date, July 17, 1908

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

Turns 124 Cor'n Depth 117 fms.

Sdg. Cup arming Amt. Bot'm Sample trace

Character of Bottom gn m.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 1:16 P / 83 Time 1:50 P Air 83° / 83

Density: Surf. 1.02452 fms.

Wind: Direction SW Force 4

Baromet. 29.63 Amt. of Clouds 9 State of Sea 6

Weather bcy

Direction and Force of Current. Surface / Bottom

Tide

---

General Locality China Sea East Luzon Id. San diego Pt Luzon N72E Malavatuah I (W) S.18W 5.4 mi.

Position 13-57-30N-120-22-15E [20]

Chart used: No. 4240 Ed'n

Drift: Direction N60E Distance .8

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 9 m.

Remarks: Net came up with one bridle stop carried away, and net torn

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 | 10 | 30 | 1 | 16 | 20 | 0 | 1 | 15 | 10 | 1 | 48 | 00 |
| 1 | 12 | 20 | | 13 | 30 | 100 | | 18 | 40 | | 44 | 00 |
| 1 | 12 | 40 | 1 | 13 | 00 | 124 200 | | 22 | 30 | | 40 | 00 |
| | | | | | | 300 | | 25 | 20 | | 35 | 40 |
| | | | | | | 335 ~~400~~ | - | 26 | 20 | 1 | 34 | 30 |
| | | | | | | 500 | | | | | | |
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Dredge / Hydrog. No. 5280 Date, July 17, 1908

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

Turns Cor'n Depth 193 fms.

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

Character of Bottom gy. S.

Thermom. Make N3 No. 108013 Cor'n Instr. -.13 Stem. -.53

Bottom Reading 50.3 Cor'd Temp. 49.6

Temp. Surf. 83° Time 2:50 P 83 Time 3:38 P Air 81° 81°

Density: Surf. 1.02422 Botm fms. 1.02517

Wind: Direction SW Force 4-5

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

Weather bcy

Direction and Force of Current. Surface Bottom

Tide Malavatuan Id (N) S 60° W., 6.1 mi.

General Locality China Sea, East Luzon Id

Santiago S 55 E Malavatuan I (E) S 58 W.

Position 13-55-20 N-120-25-55 E. [45]

Chart used: No. 4240 Ed'n -

Drift: Direction N 38 E Distance .6

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 18 m.

Remarks:

Deck Officer Mc Hazard Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | Up. | P. M. | | | P. M. | | | Up. | P. M. | |
| 2 | 36 | 10 | 2 | 44 | 00 | 0 | 2 | 50 | 40 | 3 | 37 | 10 |
| | 37 | 30 | | 43 | 00 | 100 | | 54 | 15 | | 35 | 40 |
| 2 | 41 | 30 | 2 | 42 | 30 | 193 200 | | 57 | 40 | | 30 | 30 |
| | | | | | | 300 | 3 | 01 | 10 | | 27 | 15 |
| | | | | | | 400 | 3 | 05 | 00 | 3 | 22 | 40 |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
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Dredge ~~Hydrog.~~ No. 5281 Date, 18 July, 1908

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

Turns 201 Cor'n — Depth 201 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom Ak gy S

Thermom. Make NZ. No. 108013. Cor'n Instr. -.13 Stem. .53

Bottom Reading 51.1° Cor'd Temp. 50.4

Temp. Surf. 84° Time 10:29 a 83° Time 11.00 Air 81.5° 82°

Density: Surf. 1.02402 Botm ~~fms.~~ 1.02538

Wind: Direction SSW Force 3

Baromet. 29.69 Amt. of Clouds 10 State of Sea S

Weather 0

Direction and Force of Current. Surface Bottom

Tide

(4.3 mi.

General Locality

Cape Santiago St. S 65°E, Malavatuan Id(N) S. 84° W.

Position 13-52-45N - 120°-25'-00"E. [45]

Chart used: No. 4240 Ed'n

Drift: Direction N 86°E. Distance 1.3

Depth of Haul Bottom.

Apparatus and Rig used 12' Agassiz NR; 2 wing wts, tail wt, mudbag, 3 glass floats.

Time towing — h. 20 m.

Remarks: Wtr bottle used in Sdg.

Deck Officer Mr. Hazard Recorder [illegible]

11—1023

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H. | M. | Down. | Up. | H. | M. | | H. | M. | Down. | Up. | H. | M. |
| 10 | 15 | 00 | 10 | 20 | 00 | 0 | 10 | 25 | 30 | 11 | 14 | 30 |
| | 16 | 00 | | 19 | 00 | 100 | | 29 | 15 | | 11 | 00 |
| | 16 | 33 | | | | 200 | | 33 | 30 | | 07 | 30 |
| 10 | 16 | 56 | 10 | 18 | 10 | 201 300 | | 37 | 20 | | 04 | 00 |
| | | | | | | 400 | 10 | 40 | 00 | 11 | 00 | 00 |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
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Dredge ~~Hydrog.~~ No. 5282 Date, 18 July, 1908

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

Turns 248 Cor'n — Depth 248 fms.

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

Character of Bottom dk gy S

Thermom. Make N.B. No. 108013. Cor'n Instr. -.11 Stem. .56

Bottom Reading 48.1° Cor'd Temp. 47.4.

Temp. Surf. 83° Time 11:36 83 Time 12:04 Air 82° 82½°

Density: Surf. 1.02437 Botm. fms. 1.02517

Wind: Direction SSW Force 4

Baromet. 29.69 Amt. of Clouds 9 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

6.2 mi.

General Locality Cape Santiago Lt S. 61°E; Malavatuan Id (N.) S 84°W. China Sea, E. Luzon

Position 13°53'00" N 120°-26-45 E [27-00]

Chart used: No. 4240 Ed'n

Drift: Direction N. 85°E. Distance .7 mi.

Depth of Haul Bottom

Apparatus and Rig used As before.

Time towing h. 19½ m.

Remarks: W Tr bottle used in sdg.

Deck Officer Mr Hazard Mr Cassidy Recorder Amtiff C.E. Dolong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. Down. | | | Up. A. M. | | | | A. M. Down. | | | Up. P. M. | | |
| 11 | 18 | 40 | 11 | 23 | 45 | 0 | 11 | 26 | 00 | 12 | 21 | 25 |
| | 19 | 35 | | 22 | 55 | 100 | | 29 | 30 | 12 | 17 | 45 |
| | 20 | 30 | | 22 | 20 | 200 | | 33 | 00 | 12 | 14 | 05 |
| 11 | 21 | 00 | 11 | 22 | 00 | 248 300 | | 36 | 40 | 12 | 10 | 30 |
| | | | | | | 400 | | 40 | 00 | 12 | 07 | 00 |
| | | | | | | 500 | 11 | 43 | 30 | 12 | 03 | 00 |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
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Dredge / Hydrog. No. 5283 Date, July 18, 1908

Sdg. Mch. Sp C. Reel Sigsbe Shot / Lead 30 lbs.

Turns 2 80 Cor'n — Depth 280 fms.

Sdg. Cup Sigsbe Amt. Bot'm Sample trace

Character of Bottom dk. gy. S.

Thermom. Make N. Y. No. 108013 Cor'n Instr. -.1 Stem. -.57

Bottom Reading 47.5 Cor'd Temp. 46.8

Temp. Surf. 82° Time 1 18 / 83° Time 2 12 Air 79° / 80°

Density: Surf. 1.02417 Bot'm fms. 1.02517

Wind: Direction S Ob x Ob Force 6 - 4

Baromet. 29.68 Amt. of Clouds 9 to 10 State of Sea C

Weather bcpq

Direction and Force of Current. Surface / Bottom

Tide

Malavatuan Id. (N) N. 64° W., 8.75 mi.

General Locality Cape Santiago Lt. S 78° E.; Golo Id (E) S 16° W.; China Sea, East Luzon

Position 13° 48' 30" N; 120° 28' 40" E

Chart used: No. 4240 Ed'n

Drift: Direction S 83° E Distance 1.7 mi

Depth of Haul bottom

Apparatus and Rig used as before

Time towing h. 24 m.

Remarks:

Deck Officer Mr. Cassidy Recorder C. E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P M. | Down. | | Up. | | P M. | | P M. | Down. | | Up. | P M. | |
| 1 | 03 | 20 | 1 | 08 | 50 | 0 | 1 | 17 | 15 | 2 | 19 | 15 |
| 1 | 04 | 05 | 1 | 08 | 05 | 100 | 1 | 20 | 45 | 2 | 15 | 30 |
| 1 | 05 | | 1 | 07 | 00 | 200 | 1 | 24 | 10 | 2 | 12 | 10 |
| 1 | 05 | 40 | 1 | 06 | 40 | ~~300~~ 300 | 1 | 27 | 50 | 2 | 08 | 40 |
| | | | | | | 400 | 1 | 30 | 25 | 2 | 05 | 10 |
| | | | | | | 500 | 1 | 34 | 10 | 2 | 01 | 30 |
| | | | | | | ~~600~~ 550 | 1 | 36 | 00 | 1 | 59 | 50 |
| | | | | | | 700 | | | | | | |
| | | | | | | 800 | | | | | | |
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Dredge / Hydrog. No. 5284 Date, July 20, 19[illegible]

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

Turns Cor'n Depth 422 fms.

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

Character of Bottom gy. m. glob

Thermom. Make N.Z. No. 108013 Cor'n Instr. -.06 Stem. .63

Bottom Reading 43. Cor'd Temp. 42.3

Temp. Surf. 84 Time 8.20 a. 84° Time 9.40 a. Air 83° 81°

Density: Surf. 1.02437 Botm fms. 1.02566

Wind: Direction S Force 2

Baromet. 29.73 Amt. of Clouds 4 State of Sea S

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

Malavatuan Id (S) N 46° W, 14.25 mi

General Locality China sea North Mindoro

Ambil Id (U.E.) N 57 W Golo I (E) S 54 W

Position 13-42-05 N - 120-30-45 E

Chart used: No. 4240 Ed'n

Drift: Direction S 24 E Distance 1.1

Depth of Haul bottom

Apparatus and Rig used 12' agassiz NR 2 wing wts; mud bag, 1 tail wt

Time towing - h. 25 m.

Remarks: Water bottle was used in sounding

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. | |
| 8 | 02 | 50 | 8 | 10 | 40 | 0 | 8 | 19 | 30 | 9 | 38 | 50 |
| | 03 | 40 | | 10 | 00 | 100 | 8 | 23 | 00 | | 34 | 50 |
| | 04 | 40 | | 09 | 20 | 200 | | 26 | 10 | | 31 | 20 |
| | 05 | 35 | | 08 | 50 | 300 | | 29 | 10 | | 28 | 00 |
| | 06 | 35 | | 08 | 10 | 400 | | 32 | 15 | | 24 | 20 |
| 8 | 07 | 00 | 8 | 08 | 00 | 422 500 | | 35 | 20 | | 20 | 30 |
| | | | | | | 600 | | 38 | 40 | | 16 | 40 |
| | | | | | | 700 | | 42 | 00 | | 12 | 30 |
| | | | | | | ~~800~~ 758 | 8 | 44 | 30 | 9 | 10 | 10 |
| | | | | | | 900 | | | | | | |
| | | | | | | 1000 | | | | | | |
| | | | | | | 1100 | | | | | | |
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Dredge / Hydrog. No. 5285 Date, July 20, 1908

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

Turns Cor'n Depth 272 fms.

Sdg. Cup (Sigsbee) lost Amt. Bot'm Sample

Character of Bottom soft mud.

Thermom. Make NY No. 108013 Cor'n Instr. -.1 Stem. -.60

Bottom Reading 47.2 Cor'd Temp. 46.5

Temp. Surf. 84° Time 10:15 a 84° Time 11:25 a Air 85° 84°

Density: Surf. 1.02497 fms. 1.02421

Wind: Direction SW Force 2

Baromet. 29.72 Amt. of Clouds 4 State of Sea 3

Weather bcy

Direction and Force of Current. Surface Bottom

Tide Malavatuan 2d (S) N 45° W, 17.5 mai.

General Locality China Sea N Mindoro

Ambil 2d (NE) N 54 W Golo 2 (E) S 80 W

Position 13-39-36 N-120-32-55 E [33-06]

Chart used: No. 4240 Ed'n

Drift: Direction S 21 E Distance 1.7

Depth of Haul bottom

Apparatus and Rig used as before

Time towing h. 30 m.

Remarks: water bottle used, sounding cup was lost (Sigsbee)

One glass ball lost in net.

water haul - net not on bottom.

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. | |
| 10 | 02 | 40 | 10 | 08 | 00 | 0 | 10 | 14 | 00 | 11 | 23 | 30 |
| | 03 | 35 | | 07 | 30 | 100 | | 17 | 30 | | 19 | 30 |
| | 04 | 30 | | 06 | 50 | 200 | | 21 | 10 | | 16 | 05 |
| 10 | 05 | 10 | 10 | 06 | 10 | 300 | | 24 | 30 | | 12 | 30 |
| | | | | | | 400 | | 28 | 00 | | 09 | 00 |
| | | | | | | 500 | | 31 | 30 | | 05 | 10 |
| | | | | | | ~~600~~ 550 | 10 | 35 | 00 | 11 | 03 | 00 |
| | | | | | | 700 | | | | | | |
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~~Dredge~~ Hydrog. No. 4914 Date, July 20, 1908

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

Turns Cor'n Depth 464 fms.

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

Character of Bottom gym sn

Thermom. Make NZ No. 108013 Cor'n Instr. -.1 Stem. -.6-

Bottom Reading 47.2 Cor'd Temp. 46.5°

Temp. Surf. 84 ~~84~~ Time Time Air 84 ~~84~~

Density: Surf. 1.02473 fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current. Surface Bottom

Tide Malavatuan Id (S) N 42° W., 18.75 mi

General Locality China Sea North Mindoro Ambil Id (NE) N 50 W Golo (SE) N 88 W

Position 13-38-05 [00] N - 120-33-00 [10] E

Chart used: No. 4240 Ed'n —

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: No water bottle used

Deck Officer Mr Metters Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a M. Down. | | | Up. | a M. | | | ___ M. Down. | | | Up. | ___ M. | |
| 11 | 30 | 20 | 11 | 39 | 00 | 0 | | | | | | |
| | 31 | 05 | | 38 | 00 | 100 | | | | | | |
| | 32 | 00 | | 37 | 20 | 200 | | | | | | |
| | 32 | 45 | | 36 | 40 | 300 | | | | | | |
| | 33 | 40 | | 36 | 00 | 400 | | | | | | |
| 11 | 34 | 30 | 11 | 35 | 30 | 464 500 | | | | | | |
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Dredge ~~Hydrog.~~ No. 5286 Date, 20 July, 1908

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

Turns 450 Cor'n – Depth 450 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 3½ oz.

Character of Bottom gy S TT

Thermom. Make N.Z. No. 108013 Cor'n Instr. –.06 Stem. –.63.

Bottom Reading 43.2° Cor'd Temp. 42.5

Temp. Surf. 84° 85° Time 12:41 p. Time 1:53 p. Air 84.5° 85°

Density: Surf. 1.02503 Botm. fms. 1.02556

Wind: Direction SSW Force 3

Baromet. 29.70–29.67 bc Amt. of Clouds 5 State of Sea S

Weather

Direction and Force of Current. Surface Bottom

Tide

Malavatuan Id (S) N. 45° W., 19.5 mi

General Locality Chinn Sea, North Mindoro.

Ambil Id (NE) N 53 W – Gots Id (E) N 89 W

Position 13 38 15 N – 120 34 20 E [05]

Chart used: No. 4240 Ed'n –

Drift: Direction N 78° E Distance 1.8 m.

Depth of Haul Bottom.

Apparatus and Rig used 12' Agassiz NR trawl.

2 wing wts; tail wt; mud bag; 3 gl. floats.

Time towing – h. 20 m.

Remarks: Wtr bottle used in sdg.

– Net wrecked.

Deck Officer Mr. Hazard Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. Down. | | | Up. | P. M. | | | P. M. Down. | | | Up. | P. M. | |
| 12 | 26 | 45 | 12 | 35 | 50 | 0 | 12 | 39 | 45 | 2 | 05 | 10 |
| | 27 | 50 | | 35 | 00 | 100 | | 42 | 50 | 2 | 01 | 00 |
| | 28 | 50 | | 34 | 20 | 200 | | 46 | 40 | | 57 | 00 |
| | 29 | 50 | | 33 | 35 | 300 | | 50 | 00 | | 53 | 10 |
| | 30 | 50 | | 32 | 13 | 400 | | 53 | 30 | | 49 | 00 |
| 12 | 31 | 20 | 12 | 32 | 20 | 450 500 | | 57 | 00 | | 43 | 15 |
| | | | | | | 600 | 1 | 00 | 00 | | 39 | 10 |
| | | | | | | 700 | | 03 | 45 | | 35 | 20 |
| | | | | | | 800 | | 07 | 10 | | 31 | 10 |
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Dredge / Hydrog. No. 528 Date, 20 July, 1908

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

Turns 379 Cor'n — Depth 379 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom Gy. S.

Thermom. Make N.Z. No. 108013. Cor'n Instr. -.09 Stem. -.64

Bottom Reading 44.1° Cor'd Temp. 43.4

Temp. Surf. 85° Time 2:43p. 84° Time 3:30p. Air 84.0° 84.0°

Density: Surf. 1.02433 fms. 1.02521

Wind: Direction SSW Force 3

Baromet. 29.66 Amt. of Clouds 6 State of Sea S.

Weather Tc

Direction and Force of Current. Surface Bottom

Tide

11.25 mi.

General Locality Verde Id Passage

Santiago Lt N. - Sombrero Id N 68 E

Position 13 37 40 N - 120 ~~38 45~~ 39 - 00 E [45] [50]

Chart used: No. 4240 Ed'n —

Drift: Direction S 73° E Distance 2.2 m

Depth of Haul Calculated 310 fms.

Apparatus and Rig used 10' Inter., double cone sinker.

Time towing — h. 19½ m.

Remarks: Wtr bottle used in sdg. — 550 fms. dredge rope reeved out, as per column "Dredging Cable" on opposite page (vertical depth of haul = 310 fms).

Deck Officer Mr. Hazard Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | P. M. | | | P. M. | Down. | | Up. | P. M. | |
| 2 | 26 | 10 | 2 | 38 | 30 | 0 | 2 | 39 | 00 | 3 | 41 | 00 |
| | 27 | 00 | | 32 | 40 | 100 | | 48 | 00 | | 36 | 80 |
| | 27 | 55 | | 32 | 00 | 200 | | 46 | 15 | | 32 | 00 |
| | 28 | 55 | | 31 | 20 | 300 | | 49 | 30 | | 28 | 00 |
| 2 | 29 | 40 | 2 | 30 | 40 | 379 400 | | 52 | 20 | | 23 | 40 |
| | | | | | | 500 | | 55 | 50 | | 19 | 10 |
| | | | | | | ~~600~~ 550 | 2 | 57 | 30 | 3 | 17 | 00 |
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Dredge / Hydrog. No. 5288 Date, July 22, 1905

Sdg. Mch. No Reel Shot / Lead lbs.

Turns Cor'n Depth 140 (chart) fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom No sounding *S. m* (chart.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 8:07 / 82° Time 8:34 Air 82° / 83°

Density: Surf. 1.02477 fms. —

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

Baromet. 29.72 Amt. of Clouds .8 State of Sea S

Weather Sc

Direction and Force of Current. Surface / Bottom

Tide

5.70 mi.

General Locality Batangas Pt. N 50° E. Matoco Pt. Luzon S 20° E.; Batangas Bay Luzon

Position 13° 43' 30" N 121° 00' 00" E

Chart used: No. 4240 Ed'n

Drift: Direction N 76° W Distance .7 mi.

Depth of Haul Estimated 115 fathoms

Apparatus and Rig used 10' Intermediate, Cones sinkers

Time towing h. 19 m. 14

Remarks: 200 fath wire out at estimated depth of 115 fath. (20 fath off bottom)

Deck Officer Mr. Cassidy Recorder C. E. Delong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ---- M. Down. | | | Up. | ---- M. | | | a M. Down. | | | Up. | a M. | |
| | | | | | | 0 | 8 | 06 | 10 | 8 | 41 | 40 |
| | | | | | | ~~100~~ 44 | 8 | 08 | 10 | 8 | 37 | 30 |
| | | | | | | ~~200~~ 100 | 8 | 10 | 45 | | | |
| | | | | | | ~~300~~ 200 | 8 | 14 | 15 | 8 | 33 | 30 |
| | | | | | | 400 | | | | | | |
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Dredge ~~Hydrog.~~ No. 5289 Date, July 22, 1908

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

Turns 181 Cor'n -1 Depth 172 fms.

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

Character of Bottom Brk Sh; S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 83° Time 9 13 84° Time 9 43 Air 82° ! 82°

Density: Surf. 1.02497 Botm fms. 1.02359

Wind: Direction S.S.W. Force 2

Baromet. 29.72 Amt. of Clouds 8 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

5.00 mi

General Locality Culebra Id (W.) S. 24° W. Matoco Pt. Luzon S 42° E. Batangas Bay

Position 13° 41, 50" N 120° 58' 30" E

Chart used: No. 4240 Ed'n

Drift: Direction S 52° E Distance 1 mi.

Depth of Haul bottom

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

Time towing h. 19 3/4 m.

Remarks:

Deck Officer Mr Cassidy Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A M. Down. | | | Up. | | A M. | | A M. Down. | | | Up. | A M. | |
| 9 | 01 | 10 | 9 | 09 | 20 | 0 | 9 | 06 | 50 | 9 | 53 | 15 |
| 9 | 02 | 15 | 9 | 06 | 30 | 100 | × See below | | | 9 | 49 | 40 |
| 9 | 3 | 05 | 9 | 03 | 50 | 181 ~~200~~ | 9 | 14 | 05 | 9 | 46 | 15 |
| | | | | | | 300 | 9 | 17 | 30 | 9 | 42 | 55 |
| | | | | | | ~~400~~ 353 | 9 | 21 | 00 | | | |
| | | | | | | ~~500~~ 345 | 9 | 29 | 30 | 9 | 40 | 45 |
| | | | | | | 600 | | | | | | |
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| | | | | | | 2800 | first 100 fathom was | | | | | |
| | | | | | | 2900 | out, as I was | | | | | |
| | | | | | | 3000 | at sounding | | | | | |
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Dredge / ~~Hydrog.~~ No. 5290 Date, July 22, 1908

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

Turns Cor'n Depth (Chart) 214 fms.

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

Character of Bottom lav. G. Sep.

Thermom. Make N.Z. No. 108013 Cor'n Instr. Stem. note below

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 10 35 / 84° Time 11 04 Air 83° / 84°

Density: Surf. 1.02482 Bottom fms. 1.02354

Wind: Direction S.S.W. Force 1 to 3

Baromet. 29.71 Amt. of Clouds .4 State of Sea S

Weather bc

Direction and Force of Current. Surface Bottom

Tide

3.10 mi.

General Locality Culebra Id (Ob) S 52° W., Matoco Pt Luzon, S 50 E.; Batangas Bay, Luzon

Position 13° 40' 09" N 120° 59' 30" E

Chart used: No. 4240 Ed'n

Drift: Direction S. 36° E Distance 1.3 mi

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz N.R., Mud lag 3 glass floats,

Time towing h. 19 3/4 m.

Remarks: Sounding a failure as could not tell when lead hit bottom. Probably caused by too light a lead & too great a weight of wire for depth. 2 kinks in sounding wire at 122 fath., 2 at 118, 1 at 95 1 at 42, 1 at 40, 1 at 25, 1 at 21 Bag slightly torn on net.

Deck Officer Mr Cassidy Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| @ M. Down. | | | Up. | @ M. | | | @ M. Down. | | | Up. | @ M. | |
| 10 | 12 | 10 | | | | 0 | 10 | 25 | 30 | 11 | 19 | 15 |
| 10 | 13 | 05 | | | | 100 | 10 | 29 | 15 | 11 | 14 | 40 |
| 10 | 13 | 55 | | | | ~~200~~ | 10 | 33 | 00 | 11 | 10 | 45 |
| 10 | 17 | | | | | 300 | 10 | 37 | 15 | 11 | 07 | 00 |
| | | | | | | ~~400~~ 320 | 10 | 40 | 15 | 11 | 03 | 20 |
| | | | | | | ~~500~~ 400 | 10 | 50 | 25 | | | |
| | | | | | | ~~600~~ 430 | | 51 | 30 | | | |
| | | | | | | 700 452 | 10 | 54 | 20 | 11 | 00 | 00 |
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Dredge / Hydrog. No. 5291 Date, July 23, 1908

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

Turns Cor'n Depth 173 fms.

Sdg. Cup Sigsbe Amt. Bot'm Sample trace

Character of Bottom fne bk s

Thermom. Make N Y No. 108013 Cor'n Instr. -.14 Stem. -.51

Bottom Reading 52.2 Cor'd Temp. 51.5

Temp. Surf. 84° Time 1:35 P 84° Time 2:18 P Air 86° 85

Density: Surf. 1.02462 fms. 1.02468

Wind: Direction NNW Force 1-2

Baromet. 29.67 Amt. of Clouds 8 State of Sea S

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

General Locality Subaang Bay Mindoro → 2.20 mi
Escarces Pt. Mindoro N39W Verde I(8E) N64E

Position 13-29-40 N-121-00-45 E.

Chart used: No. 4240 C.S. Ed'n

Drift: Direction S 28 E Distance 1.0

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 20 m.

Remarks: Water bottle used in sounding

Deck Officer Mr Metters Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | P. M. | | | P. M. | Down. | | Up. | P. M. | |
| 1 | 24 | 40 | 1 | 29 | 40 | 0 | 1 | 32 | 50 | 2 | 16 | 20 |
| | 26 | 00 | | 29 | 00 | 100 | | 37 | 00 | | 12 | 15 |
| 1 | 26 | 50 | 1 | 27 | 50 | 173 200 | | 40 | 30 | | 08 | 40 |
| | | | | | | 300 | 1 | 45 | 00 | 2 | 05 | 00 |
| | | | | | | 400 | | | | | | |
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Dredge / Hydrog. No. 5292 Date, July 23, 1908

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

Turns Cor'n Depth 162 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample trace

Character of Bottom fine bk sn.

Thermom. Make NZ No. 108013 Cor'n Instr. -.15 Stem. -.51

Bottom Reading 53.1 Cor'd Temp. 52.4

Temp. Surf. 84° Time 2:30 P Time Air 83°

Density: Surf. 1.02473 fms. 1.02421

Wind: Direction W N W. Force 2

Baromet. Amt. of Clouds 6 State of Sea S

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

General Locality Subaang Bay Mindoro 3.25 mi.
Escarces Pt Mindoro, N36 W Ended (SE) N54 E

Position 13-28-45 N-121-1-12 E

Chart used: No. 4540 C.S. Ed'n

Drift: Direction S13 E Distance .9

Depth of Haul bottom

Apparatus and Rig used As before

Time towing h. 20 m.

Remarks: Water bottle used in sounding

Deck Officer Mr Metters Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. Down. | | | Up. | P. M. | | | P. M. Down. | | | Up. | P. M. | |
| 2 | 21 | 30 | 2 | 25 | 00 | 0 | 2 | 27 | 30 | 3 | 07 | 00 |
| | 22 | 20 | | 24 | 30 | 100 | | 30 | 50 | 3 | 03 | 15 |
| 2 | 23 | 00 | 2 | 24 | 00 | 16 200 | | 33 | 55 | 3 | 00 | 00 |
| | | | | | | ~~300~~ 250 | 2 | 37 | 00 | 2 | 57 | 00 |
| | | | | | | 400 | | | | | | |
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Dredge / Hydrog. No. 5293 Date, July 23, 1908

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

Turns 180 Cor'n — Depth 180 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom fne bk S

Thermom. Make NZ No. 108013 Cor'n Instr. -.19 Stem. -.44

Bottom Reading 58. Cor'd Temp. 57.4°

Temp. Surf. 84° Time 3:58p 84° Time 4:32p Air 84° 84.5°

Density: Surf. 1.02457 Botm fms. 1.02510

Wind: Direction WNW Force 3

Baromet. 29.63 Amt. of Clouds 7 State of Sea S

Weather bcz.

Direction and Force of Current. Surface Bottom

Tide

General Locality Subaang Bay Mindoro. Escarceo Pt N 59 W, Verde Id (SE) N 16° E. → 6 mi

Position 13-28-15 N. -121-04-30 E.

Chart used: No. 4240 Ed'n

Drift: Direction West Distance .8

Depth of Haul Bottom

Apparatus and Rig used as before

Time towing — h. 30 m.

Remarks: water bottle used in sounding Deck Officer and Recorder relieved at 4:00p.

Deck Officer Mr Metters Mr. Hazard Recorder Roberts Smith

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. | M. Down. | | Up. | P. | M. | | P. | M. Down. | | Up. | P. | M. |
| 3 | 40 | 15 | 3 | 44 | 40 | 0 | 3 | 47 | 30 | 4 | 41 | 00 |
| | 41 | 30 | | 44 | 00 | 100 | | 51 | 30 | | 37 | 15 |
| 3 | 42 | 15 | 3 | 43 | 15 | 180 200 | | 54 | 40 | | 33 | 15 |
| | | | | | | 300 | | 58 | 00 | | 30 | 00 |
| | | | | | | 400 | 3 | 59 | 00 | 4 | 28 | 50 |
| | | | | | | 500 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5294 Date, July 24, 1908

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

Turns 244 Cor'n — Depth 244 fms.

Sdg. Cup Sigsbe Amt. Bot'm Sample trace

Character of Bottom ×S, P

Thermom. Make N.Z. No. 108013 Cor'n Instr. -.13 Stem. -.55

Bottom Reading 49.1 Cor'd Temp. 48.4

Temp. Surf. .83° Time 9.08a Air 82°
83° Time 9.37 83°

Density: Surf. 1.02580 Botm. fms. 1.2482

Wind: Direction N.N.Ob. Force 3

Baromet. 29.79 bc Amt. of Clouds 4 State of Sea S

Weather

Direction and Force of Current. Surface Bottom

Tide Escarceo St. S71°W., 2.75 mi.

General Locality Verde I'd (N.Ob.) N 9°E., Verde I'd. (S.E.) S74°E, S. Pass, Verde I'd Passage

Position 13° 32' 15" N 121° 02' 00" E

Chart used: No. 4240 Ed'n

Drift: Direction N 86° W Distance .6 mi.

Depth of Haul bottom

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

Time towing h. 17 m.

Remarks: Hole torn in mud bag.
×Bottom data given me by Mr. Ratchif differs from that in Navigators record book, which is hard clay, gravel

Deck Officer Mr. Hazzard Recorder C.E. DeLong

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 M. Down. | | | Up. 9 M. | | | | 9 M. Down. | | | Up. 9 M. | | |
| 8 | 51 | 25 | 8 | 56 | 50 | 0 | 9 | 00 | 30 | 9 | 43 | 30 |
| 8 | 52 | 30 | 8 | 56 | 05 | 100 | 9 | 04 | 15 | 9 | 40 | 15 |
| 8 | 53 | 30 | 8 | 55 | 20 | 200 | 9 | 07 | 45 | 9 | 36 | 40 |
| 8 | 54 | 00 | 8 | 55 | 00 | 244 ~~300~~ 287 | 9 | 11 | 10 | 9 | 31 | 30 |
| | | | | | | 400 | 9 | 12 | 55 | 9 | 29 | 45 |
| | | | | | | 500 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5295 Date, July 24, 1908

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

Turns 231 Cor'n — Depth 231 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample trace

Character of Bottom gy. S.

Thermom. Make N. Z. No. 108013 Cor'n Instr. -.14 Stem. -.51 +

Bottom Reading 52° Cor'd Temp. 51.3

Temp. Surf. 84° Time 10^16 a 84° Time 10^53 a Air 83° 83½°

Density: Surf. 1.02457 Bottom fms. 1.02513

Wind: Direction N.N.W. Force 3

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

Weather bc

Direction and Force of Current. Surface Bottom

Tide

→ 2.00 mi.

General Locality Verde Id (N.W.) N. 66°E., Escarcio Pt. S 20°W.; South Pass, Verde Id Passage

Position 13° 33' 15" N., 121° 00' 00" E

Chart used: No. 4240 Ed'n

Drift: Direction N. 59°W Distance 1.2 mi.

Depth of Haul bottom

Apparatus and Rig used As before

Time towing h. 19¾ m.

Remarks:

Navigator — hard clay, gravel.

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. | |
| 10 | 03 | 00 | 10 | 08 | 45 | 0 | 10 | 14 | 35 | 10 | 59 | 00 |
| 10 | 04 | 15 | 10 | 07 | 55 | 100 | 10 | 17 | 55 | 10 | 54 | 20 |
| 10 | 05 | 30 | 10 | 07 | 10 | 200 | 10 | 21 | 25 | 10 | 57 | 30 |
| 10 | 05 | 55 | 10 | 06 | 55 | 231 ~~300~~ | 10 | 24 | 30 | 10 | 45 | 00 |
| | | | | | | ~~400~~ 347 | 10 | 26 | 15 | 10 | 46 | 00 |
| | | | | | | 500 | | | | | | |
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Dredge / Hydrog. No. 5296 Date, July 24, 1908

Sdg. Mch. No Sounding Reel Shot / Lead lbs.

Turns Cor'n Depth 210 chart fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M.S. chart

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 1235 P / 84° Time 121 P Air 84° / 84°

Density: Surf. 1.02473 fms.

Wind: Direction W Force 0-1

Baromet. 29.72 Amt. of Clouds 4 State of Sea S

Weather bcz

Direction and Force of Current. Surface / Bottom

Tide

Matocot Pt. S 63° E., 4.50 mi.

General Locality Batangas Bay Luzon

Culebra 21 (W) S28W Cazador Pt N78W

Position 13-40-09 N-120-57-45 E

Chart used: No. 4240 CS Ed'n —

Drift: Direction S63E Distance 1.2

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 20 m.

Remarks:

Deck Officer Mr Cassidy Recorder Roberts

11—1023

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ---- M. Down. | | | Up. | ---- M. | | | P ---- M. Down. | | | Up. P ---- M. | | |
| | | | | | | 0 | 12 | 33 | 00 | 1 | 20 | 20 |
| | | | | | | 100 | | 37 | 10 | | 16 | 30 |
| | | | | | | 200 | | 41 | 20 | | 12 | 30 |
| | | | | | | 300 | | 45 | 00 | | 09 | 10 |
| | | | | | | ~~400~~ 350 | 12 | 47 | 00 | 1 | 07 | 00 |
| | | | | | | 500 | | | | | | |
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Dredge / Hydrog. No. 5297 Date, July 24, 1908

Sdg. Mch. No Reel Shot / Lead lbs.

Turns Cor'n Depth 198 chart fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M. & chart

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

Bottom Reading Cor'd Temp.

Temp. Surf. 85° Time 1:45 P / Time Air 85°

Density: Surf. 1.02477 fms.

Wind: Direction W Force 1-2

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

Weather hazy

Direction and Force of Current. Surface / Bottom

Tide

Matocot Pt. S 30° E., 5.10 mi.

General Locality Batangas Bay, Luzon

Culebra Id (W) S 21 W Cazador Pt S 86 W

Position 13-41-20 N - 120-58-00 E

Chart used: No. 4240 CS Ed'n

Drift: Direction S 69 E Distance 1.0

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 20 m.

Remarks:

Deck Officer Mr Cassidy Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ___ M. DOWN. | | | UP. | ___ M. | | | ___ M. DOWN. | | | UP. | ___ M. | |
| | | | | | | 0 | 1 | 45 | 00 | | 28 | 30 |
| | | | | | | 100 | | 46 | 30 | | 24 | 10 |
| | | | | | | 200 | | 50 | 00 | | 20 | 10 |
| | | | | | | 300 | | 53 | 50 | | 16 | 10 |
| | | | | | | ~~400~~ 330 | 1 | 55 | 00 | 2 | 15 | 00 |
| | | | | | | 500 | | | | | | |
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Dredge / Hydrog. No. 5298 Date, July 24, 1908

Sdg. Mch. No Reel Shot / Lead lbs.

Turns Cor'n Depth 140 chart fms.

Sdg. Cup Sounding Amt. Bot'm Sample

Character of Bottom S. chart

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

Bottom Reading Cor'd Temp.

Temp. Surf. 84° Time 3:00 P / 84° Time 3:30 P Air 83° / 84°

Density: Surf. not taken fms.

Wind: Direction W x S Force 1

Baromet. 29.69 Amt. of Clouds 9 State of Sea S

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

Matocot Pt S 38° E., 6.70 mi.

General Locality Batangas Bay, Luzon

Culebra Id (W) S 11 W Cazador Pt S 62 W.

Position 13-43-25 N - 120-57-40 E

Chart used: No. 4240 C.S. [15] Ed'n

Drift: Direction S 31 E Distance .5

Depth of Haul bottom

Apparatus and Rig used as before

Time towing — h. 10 m.

Remarks: Mud bag came up torn

Deck Officer Mr Cassidy Recorder Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ___ M. Down. | | | Up. | ___ M. | | | P ___ M. Down. | | | Up. | P ___ M. | |
| | | | | | | 0 | 3 | 00 | 00 | 3 | 29 | 00 |
| | | | | | | 100 | | 03 | 30 | | 25 | 30 |
| | | | | | | 200 | | 06 | 50 | | 22 | 00 |
| | | | | | | ~~300~~ 260 | 3 | 09 | 00 | 3 | 19 | 40 |
| | | | | | | 400 | | | | | | |
| | | | | | | 500 | | | | | | |
| | | | | | | 600 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5299 Date, 8 Aug, 1908

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

Turns 524 Cor'n — Depth 534 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample no sample

Character of Bottom gy M.S. (mud long)

Thermom. Make N.Z. No. 108013 Cor'n Instr. -.06 Stem. -.63

Bottom Reading 43.7° Cor'd Temp. 42.5

Temp. Surf. 83° Time 8:20 a 84° Time 9:34 a Air 85.5° 83.5°

Density: Surf. 1.02396 fms. 1.02538

Wind: Direction SW Force 3

Baromet. 29.56 Amt. of Clouds 4 State of Sea 3

Weather

Direction and Force of Current. Surface Bottom

Tide

---

General Locality China Sea 190 m. from Hong Kong.

Position 20-05-00 N, 116-05-00 E

Chart used: No. 798 H.O. Ed'n —

Drift: Direction Distance —

Depth of Haul Bottom.

Apparatus and Rig used 12' Sagging as before

Time towing — h. 27 m.

Remarks: Water bottle used in dg. — One of the three glass floats came up half full of water.

Deck Officer Mr. Hazard. Recorder [illegible]

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H. | M. Down. | | Up. | H. | M. | | H. | M. Down. | | Up. | H. | M. |
| 8 | 04 | 00 | 8 | 15 | 00 | 0 | 8 | 20 | 30 | 9 | 56 | 30 |
| | 05 | 00 | | 14 | 10 | 100 | | 23 | 50 | | 53 | 50 |
| | 06 | 00 | | 13 | 30 | 200 | | 27 | 00 | | 49 | 00 |
| | 07 | 00 | | 12 | 50 | 300 | | 29 | 50 | | 45 | 00 |
| | 08 | 00 | | 12 | 05 | 400 | | 33 | 00 | | 41 | 00 |
| | 09 | 10 | | 11 | 10 | 500 | | 36 | 10 | | 36 | 45 |
| 8 | 09 | 30 | 8 | 10 | 50 | 524 600 | | 39 | 30 | | 31 | 40 |
| | | | | | | 700 | | 42 | 40 | | 27 | 35 |
| | | | | | | 800 | | 46 | 00 | | 23 | 20 |
| | | | | | | 900 | | 49 | 20 | | 19 | 25 |
| | | | | | | 1000 | 8 | 53 | 20 | 9 | 15 | 20 |
| | | | | | | 1100 | | | | | | |
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Dredge ~~Hydrog.~~ No. 5300 Date, Aug 8, 1908

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

Turns 265 Cor'n — Depth 265 fms.

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

Character of Bottom gn. M.; S.

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

Bottom Reading See note below Cor'd Temp.

Temp. Surf. 85° Time 2 20 / 85° Time 2 50 Air 86° / 87°

Density: Surf. 1.02350 fms. 1.02430

Wind: Direction SW. Force 2-3

Baromet. 29.52 Amt. of Clouds .2 State of Sea S

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

---

General Locality China Sea

Position 20° 31' 00" N. 115° 49' 00" E.

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

Drift: Direction SE x S? Distance 1.0?

Depth of Haul bottom.

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

Time towing h. 20 m.

Remarks: Ther. failed to capsize.

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

11—1023

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | Down. | | Up. | P. M. | | | P. M. | Down. | | Up. | P. M. | |
| 2 | 04 | 20 | 2 | 10 | 40 | 0 | 2 | 14 | 20 | 3 | 07 | 40 |
| 2 | 05 | 20 | 2 | 09 | 45 | 100 | 2 | 18 | 00 | 3 | 03 | 40 |
| 2 | 06 | 20 | 2 | 08 | 55 | 200 | 2 | 21 | 25 | 2 | 59 | 45 |
| 2 | 07 | 00 | 2 | 08 | 10 | 265 ~~300~~ | 2 | 24 | 40 | 2 | 55 | 45 |
| | | | | | | 400 | 2 | 28 | 35 | 2 | 51 | 50 |
| | | | | | | 450 ~~500~~ | 2 | 29 | 15 | 2 | 49 | 10 |
| | | | | | | 600 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5301 Date, Aug 8, 1908

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

Turns Cor'n Depth 208 fms.

Sdg. Cup Sigsbe Amt. Bot'm Sample

Character of Bottom gy m. S.

Thermom. Make N.Z. No. 108013 Cor'n Instr. -.14 Stem. -57

Bottom Reading 51.2° Cor'd Temp. 50.5

Temp. Surf. 84° Time 5:15 P Time Air 85

Density: Surf. 1.02433 fms. 1.02456

Wind: Direction SW Force 1

Baromet. 29.49 Amt. of Clouds 2 State of Sea S

Weather bcf

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea

Position 20-37-00 N - 115-43-00 E.

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

Drift: Direction ? Distance ?

Depth of Haul bottom

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

Time towing h. 20 m.

Remarks:

Deck Officer Mr Metters Recorder C. De Long Roberts

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P M. | Down. | | Up. | | P M. | | P M. | Down. | | Up. | P M. | |
| 5 | 04 | 10 | 5 | 09 | 15 | 0 | 5 | 12 | 30 | | 08 | 30 |
| 5 | 05 | 05 | 5 | 08 | 20 | 100 | | 16 | 30 | | 04 | 00 |
| 5 | 05 | 15 | 5 | 07 | 10 | 200 | | 20 | 00 | 6 | 00 | 00 |
| 5 | 06 | 05 | 5 | 07 | 05 | 208 300 | | 23 | 00 | | 55 | 50 |
| | | | | | | 400 | | 26 | 30 | | 51 | 45 |
| | | | | | | 450 500 | 5 | 29 | 00 | 5 | 49 | 00 |
| | | | | | | 600 | | | | | | |
| | | | | | | 700 | | | | | | |
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Dredge / ~~Hydrog.~~ No. 5302 Date, 9 Aug, 1908

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

Turns 38 Cor'n — Depth 38 fms.

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

Character of Bottom sft gy N

Thermom. Make N. Z. No. 108013 Cor'n Instr. -.26 Stem. -.19

Bottom Reading 72.5° Cor'd Temp. 72.1

Temp. Surf. 83° Time 6:47 a 83° Time 7:07 a Air 84° 84°

Density: Surf. 1.02288 fms. —

Wind: Direction WSW Force 3

Baromet. 29.53 Amt. of Clouds 7 State of Sea S

Weather Hc

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea

Position 21-42-00 N - 114-50-00 E.

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

Drift: Direction ? Distance ?

Depth of Haul Bottom

Apparatus and Rig used AS Before

Time towing — h. 15 m.

Remarks:

Deck Officer N. Hazard Recorder Arakij

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 M. Down. | | | Up. 9 M. | | | | 9 M. Down. | | | Up. M. | | |
| 6 | 42 | 00 | 6 | 43 | 45 | 0 | 6 | 46 | 10 | ) | 43 | 00 |
| 6 | 42 | 30 | 6 | 42 | 30 | 38 100 | | | | | 06 | 55 |
| | | | | | | 200 | 6 | 57 | 00 | ) | 06 | 20 |
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| | | | | | | 4900 | | | | | | |

Dredge / ~~Hydrog.~~ No. 5303 Date, Aug 9, 1908

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

Turns 34 Cor'n — Depth 34 fms.

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

Character of Bottom bl. M.

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

Bottom Reading 72° Cor'd Temp. 71.6

Temp. Surf. 84° Time 8 28 / 84° Time 8 48 Air 85° / 84°

Density: Surf. 1.01960 fms. 1.02386

Wind: Direction S.S.E. Force 3

Baromet. 29.54 Amt. of Clouds 3 State of Sea 1

Weather fr

Direction and Force of Current. Surface Bottom

Tide

General Locality China Sea.

Position 21-44-00 N. - 114 46-00 - E

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

Drift: Direction ? Distance ?

Depth of Haul bottom

Apparatus and Rig used as before

Time towing h. 1 9/12 m.

Remarks:

Deck Officer Mr. Cassidy Recorder C. D. Long

11—1023

| SOUNDING WIRE. | | | | | | FMS. | DREDGING CABLE. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. M. | Down. | | Up. | a. M. | | | a. M. | Down. | | Up. | a. M. | |
| 8 | 20 | 15 | | | | 0 | 8 | 24 | 00 | 8 | 57 | 10 |
| 8 | 20 | 50 | 8 | 20 | 30 | 24 ~~100~~ 100 | 8 | 27 | 30 | 8 | 47 | 10 |
| | | | | | | 200 | | | | | | |
| | | | | | | 300 | | | | | | |
| | | | | | | 400 | | | | | | |
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$150 \,|\, \frac{3}{1,83}$

$\frac{3}{25}$

$\frac{2}{1,0}$ $\boxed{366}$ =

$\frac{200 \cdot 2}{3} = 100 \,|\, \frac{3}{1,33}$

$\frac{3}{10}$

$\frac{9}{1,0}$

$$\begin{array}{r} 14\frac{2}{3} \\ 2 \\ \hline 28 \\ 1\frac{1}{3} \\ \hline \end{array}$$