

H5824

507



| SOUNDING WIRE. |      |    | FMS.   | DREDGING CABLE. |     |    |
|----------------|------|----|--------|-----------------|-----|----|
| M. DOWN.       | UP.  | M. |        | M. DOWN.        | UP. | M. |
| 1 22 25        | 1 36 | 00 | 0      |                 |     |    |
| 1 32 50        | 1 33 | 00 | 65 100 |                 |     |    |
|                |      |    | 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   |                 |     |    |



| SOUNDING WIRE.                               |     |  |   | FMS. | DREDGING CABLE. |      |    |  |  |  |  |  |
|--|-----|--|---|------|-----------------|------|----|--|--|--|--|--|
| <input checked="" type="checkbox"/> M. Down. | Up. | <input checked="" type="checkbox"/> M. |   |      | M. Down.        | Up.  | M. |  |  |  |  |  |
| 2  | 04  | 25                                     | 2 | 06   | 10              |      |    |  |  |  |  |  |
| 2  | 04  | 50                                     | 2 | 04   | 55              | 75   |    |  |  |  |  |  |
|  |     |  |   |      |                 | 0    |    |  |  |  |  |  |
|  |     |  |   |      |                 | 100  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 200  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 300  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 400  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 500  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 600  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 700  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 800  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 900  |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1000 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1100 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1200 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1300 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1400 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1500 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1600 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1700 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1800 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 1900 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2000 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2100 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2200 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2300 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2400 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2500 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2600 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2700 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2800 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 2900 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3000 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3100 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3200 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3300 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3400 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3500 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3600 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3700 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3800 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 3900 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4000 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4100 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4200 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4300 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4400 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4500 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4600 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4700 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4800 |    |  |  |  |  |  |
|  |     |  |   |      |                 | 4900 |    |  |  |  |  |  |

20

Predg. Hydrog. No. 5826 Date, July 20, 1915

Sdg. Mch. Electric Reel El. Shot 30 lbs. Lead

Turns Cor'n Depth 21 fms.

Sdg. Cup Arming (sft. Sdg) Amt. Bot'm Sample

Character of Bottom gn. M

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 54.0 Time 2:27 P } Air { 64.0

Density: Surf. fms.

Wind: Direction NW Force 4-5

Baromet. 30.09 Amt. of Clouds 2 State of Sea M

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Gray's Harbor Light bears S 65° E (true) distant 32.7 miles

Chart used: No. 6400 Ed'n 2

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: See log for details

Deck Officer Mr. Cassidy Recorder A. H. K. I. 11-1023

| SOUNDING WIRE. |    |     |      |    |    | FMS. | DREDGING CABLE. |     |    |
|----------------|----|-----|------|----|----|------|-----------------|-----|----|
| M. DOWN.       |    | UP. | P.M. |    |    |      | M. DOWN.        | UP. | M. |
| 2              | 23 | 50  | 2    | 25 | 35 | 0    |                 |     |    |
| 2              | 24 | 15  | 2    | 24 | 30 | 81   |                 |     |    |
|                |    |     |      |    |    | 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 |                 |     |    |



(21)

Trawl Hydrog. No. 5827 Date, July 20, 1915

Sdg. Mch. Electric Reel El. Shot Lead 30 lbs.

Turns Cor'n Depth 53 fms.

Sdg. Cup Arming (soft soap) Amt. Bot'm Sample

Character of Bottom gm m

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 2:45 } Air { 64° Time

Density: Surf. fms.

Wind: Direction NW Force 4-5

Baromet. 30.09 Amt. of Clouds 3 State of Sea IV

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington Coast

Position Gray's Harbor Light bears 565° E (true) distant 3.4 miles

Chart used: No. 6400 Ed'n 2

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: At 2:30 p set clock back 26 minutes, which is not shown on records of Hy. 5827 - 5829, inclusive; Hy. 5830 shows correct time.

Deck Officer Mr. Cassidy Recorder J. J. ... 11-1023

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. Up. M.

P M. Down. Up. P M.

2 41 40 2 43 50  
 2 42 10 2 42 15

83 ~~100~~

- 0
- 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 } No. 5228 Date, July 20, 1915  
 Hydrog. }  
 Sdg. Mch. EI Reel EI Shot 30 lbs.  
 Leads

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 88 fms.  
 Sdg. Cup Am. (off spec.) Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom gy. S. fm. gy. S. fm. 1 m.

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 64 Time 3:04 p } Air { 64 }  
 { \_\_\_\_\_ Time \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction NW Force 4-5

Baromet. 30.09 Amt. of Clouds 2 State of Sea \_\_\_\_\_

Weather b

Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Gray's Harbor Light bears S65°E (true) distant 36.7 miles

Chart used: No. 6400 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance 2

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer Mr. Cassidy Recorder Stukil

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

3 | 01 38 | 3 | 02 00

3 | 02 30 | 3 | 00 00 | 88 | 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

*(92)*  
Dredge } No. 5829 Date, July 20, 1915  
Hydrog. }

Sdg. Mch. *Electric* Reel *E1* Shot 30 lbs.  
Lead

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 92 fms.  
Sdg. Cup *Admiral (off soap)* Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom *bl. S. crs. of fine gy.*

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  No. \_\_\_\_\_                      Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { *54.0* Time *3.14.5* } Air { *65.0*  
  Time \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *NW* Force \_\_\_\_\_

Baromet. *30.09* Amt. of Clouds \_\_\_\_\_ State of Sea \_\_\_\_\_

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Grays Harbor Light bears S 65 1/2° E (true)*  
*distant 37.9 miles*

Chart used: No. *6400* Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer *Wm. Cassidy* Recorder *Amiel*

SOUNDING WIRE.

M. Down. | Up. | P | M.

3 10 05 3 1245  
 2 10 20 3 10 35 92

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

No. 5830 Date, July 20, 1915  
 Sdg. Mch. Elect. Reel 1 El. Shot      lbs.  
 Turns      Cor'n      Depth 95 fms.  
 Sdg. Cup Armin Amt. Bot'm Sample no sample  
 Character of Bottom     

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

Bottom Reading      Cor'd Temp.     

Temp. Surf. { 54.0 Time 3:00 p } Air { 60  
                   {      Time      }     

Density: Surf.      fms.     

Wind: Direction WNW Force 5

Baromet. 30.09 Amt. of Clouds 2 State of Sea     

Weather bc

Direction and Force of Current { Surface       
   { Bottom     

Tide     

General Locality Off Washington Coast

Position Gray Harbor Light bears S 65 1/2° E (true) distant 38.7 miles

Chart used: No. 6400 Ed'n     

Drift: Direction      Distance     

Depth of Haul     

Apparatus and Rig used     

Time towing      h.      m.

Remarks:     

Deck Officer      Recorder

| SOUNDING WIRE: |                 | FMS.           | DREDGING CABLE. |        |
|----------------|-----------------|----------------|-----------------|--------|
| M. Down.       | Up. <i>P</i> M. |                | M. Down.        | Up. M. |
| <i>2</i>       | <i>54 20</i>    | 0              |                 |        |
| <i>2</i>       | <i>56 30</i>    | <del>100</del> |                 |        |
| <i>2</i>       | <i>57 50</i>    | <i>95</i>      |                 |        |
|                |                 | 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           |                 |        |



25

Dredge Hydrog. No. 583 Date, July 20, 1915  
Sdg. Mch. Electric Reel E1 Shot Lead 30 lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 110 fms.  
Sdg. Cup *Armine (50 lbs)* Int. Bot'm Sample *no sample*  
Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 54° Time 3:10 } Air { 64°  
                  {                    Time                    {                    

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *77 W* Force *5*

Baromet. *30:08* Amt. of Clouds *2* State of Sea *77*

Weather *bc*

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Gray Harbor Light bears S 65 1/2° E (true) distant 4.0 miles*

Chart used: No. *6400* Ed'n *39*

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Deck Officer *Mr. Cassidy* Recorder *J. J. ...*

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

P M. Down. Up. P M.

M. Down. Up. M.

|   |    |    |   |    |    |                    |
|---|----|----|---|----|----|--------------------|
| 3 | 05 | 00 | 3 | 08 | 20 | 0                  |
| 3 | 05 | 35 | 3 | 05 | 40 | 110 <del>100</del> |
|   |    |    |   |    |    | 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               |

26

Dredge } No. 222 Date, July 20, 1915  
Hydrog. }  
Sdg. Mch. Reel Ed Shot Lead 50 lbs.  
Turns ----- Cor'n ----- Depth 79 fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom

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

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

Temp. Surf. { 54.0 Time 3:25 } Air { 63  
                  {                    Time                    }

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

Wind: Direction NW Force 5

Baromet. 30.07 Amt. of Clouds 2 State of Sea M

Weather bc

Direction and Force of Current { Surface -----  
  { Bottom -----

Tide -----

General Locality Off Washington Coast

Position Gray Harbor Light bears S 65 1/2 E (true) distant 4.6 miles.  
Chart used: No. 6400 Ed'n

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

Time towing h. m.

Remarks: 0  
                  29 1/2

Deck Officer Wm. Cassin Recorder [Signature]

SOUNDING WIRE.

P.M. Down. | Up. P.M.

3, 16 15 3 27:50  
 3 18 00 3 18 50

FMS.

DREDGING CABLE.

M. Down. Up. M.

- 0
- ~~100~~
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

(2)

Dredge Hydrog. No. 5822 Date July 20, 1915

Sdg. Mch. Reel 51 Shot Lead 30 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 3:49 } . Air {

Density: Surf. fms.

Wind: Direction N-W Force 5

Baromet. 30.06 Amt. of Clouds 1 State of Sea M

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Gray Harbor Light bears S 65 1/2 E (true) distant 3.7 miles

Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

M. Down. | Up. | M.

*600*  
*300*  
*300*

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 1912  
Hydrog. }

Sdg. Mch. *Electric* Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *84* fms.

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

Character of Bottom *gy. (fine) sand, sp. s.*

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_                 { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { *54* Time *4:09* } Air { *62*  
                  {                 {                 {                 {

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *11-11* Force *✓*

Baromet. *✓ 30.06* Amt. of Clouds *✓ 1* State of Sea *✓*

Weather *✓* *u.*

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Grays Harbor Light bears S 63 1/2° E (true)*  
*distant 37.0 miles*  
Chart used: No. *6400* Ed'n *36.5*

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer *Mr. Glick* Recorder \_\_\_\_\_

## SOUNDING WIRE.

## DREDGING CABLE.

M. DOWN. | UP. | M.

M. DOWN. | UP. | M.

FMS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900



Dredge } No. 2 Date, \_\_\_\_\_, 19

Sdg. Mch. \_\_\_\_\_ Reel ~~off~~ Shot/Lead 30 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 80 fms.

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

Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { Time \_\_\_\_\_ } Air { \_\_\_\_\_  
                  { Time \_\_\_\_\_ }             { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction N-W Force 2

Baromet. 30.66 Amt. of Clouds 1 State of Sea N

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Grays Harbor Light bears S 62 1/2° E (true)

Chart used: No. 6400 distant 3.5 miles

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: Full

Deck Officer W. J. ... Recorder ...

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

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

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_\_\_  
Hydrog. }  
Sdg. Mch. *Lucas* Reel *1149* Shot/Lead *30* lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *74* fms.  
Sdg. Cup *Lucas* Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_                 { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { *27* Time *7:12* } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }         { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *N-VV* Force *3*

Baromet. *30.06* Amt. of Clouds *1* State of Sea *M*

Weather *bc*

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Group Harbor Light bears S 61° E (true) distant 3.32 miles*

Chart used: No. *6400* Ed'n *32.7*

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer *M. J. ...* Recorder *...*

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

Dredge } No. 5837 Date, 10/11/20, 19  
Hydrog. }  
Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot } 50 lbs.  
Lead }  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 0.1 fms.  
Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom fine (silt) \_\_\_\_\_  
Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_                 { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
Temp. Surf. { 27 Time 5:46 } Air {  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }  
Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
Wind: Direction 117 Force 2  
Baromet. 30.03 Amt. of Clouds 1 State of Sea M  
Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_  
Tide \_\_\_\_\_

General Locality off Washington Coast  
Position Gray Harbor Light bears S59 1/2° E (true) distant 3.15 miles  
Chart used: No. 6400 Ed'n 2000  
Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_  
Depth of Haul \_\_\_\_\_  
Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.  
Remarks: sec # 5836 attached

## SOUNDING WIRE.

M. Down. | Up. | M.

5 | 00 | 10

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

Dredge } No. 5888 Date, \_\_\_\_\_, 19  
Hydrog. } 33

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot / Lead 64 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 64 fms.

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

Character of Bottom (S. G. 7.2)

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                        { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 52.0 Time \_\_\_\_\_ } Air { 63.0  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }        { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction NW Force 4-5

Baromet. 30.3 Amt. of Clouds 1 State of Sea II

Weather bc

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Gray Harbor Light bears S57 1/2° E (true) distant 29.5 miles  
Chart used: No. 6400 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

| SOUNDING WIRE. |     |    | FMS. | DREDGING CABLE. |     |                   |
|----------------|-----|----|------|-----------------|-----|-------------------|
| M. Down.       | Up. | M. |      | M. Down.        | Up. | M.                |
| 5              | 18  | 30 | 5    | 21              | 50  | 0                 |
| 5              | 19  | 00 | 5    | 20              | 00  | 64 <del>100</del> |
|                |     |    |      |                 |     | 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 } No. 5839 Date, \_\_\_\_\_, 19\_\_  
Hydrog. }

Sdg. Mch. Electric Reel 31 Shot/Lead 30 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.

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

Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 54 Time 5:41 } Air { 62°  
                  {                    {                    {                    {

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction N-W Force \_\_\_\_\_

Baromet. \_\_\_\_\_ Amt. of Clouds \_\_\_\_\_ State of Sea \_\_\_\_\_

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Grays Harbor Light bears S 55 1/2° E (true) distant 27.5 miles*

Chart used: No. 6400 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.

FMS.

DREDGING CABLE.

*P* M. Down. | UP. | *P* M.

--- M. Down. | UP. | --- M.

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

38  
38

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_\_\_  
Hydrog. }

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 47 fms.

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

Character of Bottom fine sand

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 54 Time 6:02 } Air { 63  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }                    { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force \_\_\_\_\_

Baromet. 30.63 Amt. of Clouds 1 State of Sea \_\_\_\_\_

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality off Washington Coast

Position Gray Harbor Light bears S 53 1/2° E (true)

Chart used: No. 6400 Ed'n distant 25.7 miles

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder L. C. ...

| SOUNDING WIRE. |     |    | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|----|------|-----------------|-----|----|
| M. Down.       | Up. | M. |      | M. Down.        | Up. | M. |
|                |     |    | 0    |                 |     |    |
| 5              | 36  | 05 | 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 } No. 5077 Date, April 24, 1912  
Hydrog. }

Sdg. Mch. Reel Shot Lead 30 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom fine

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.63 Amt. of Clouds 1 State of Sea M

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Co ast

Position Gray Harbor Light bears S 50 1/2 E (true) distant 24.0 miles

Chart used: No. 6400 Ed'n 25.8

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

## SOUNDING WIRE.

## DREDGING CABLE.

FMS.

M. Down. Up. M.

M. Down. Up. M.

|    |    |   |    |    |
|----|----|---|----|----|
| 16 | 23 | 6 | 17 | 25 |
|    |    | 6 | 16 | 30 |

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

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19 \_\_\_\_\_  
Hydrog. }

Sdg. Mch. \_\_\_\_\_ Reel 1112 Shot } 39 lbs.  
Lead }

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 20 fms.

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

Character of Bottom (crs)

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                         { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction 11 50 Force 2

Baromet. 30.13 Amt. of Clouds 1 State of Sea M

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Gray Harbor Light bears S48°E (true)

Chart used: No. 6400 Ed'n distant 22.5 mile

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer W. S. M. [unclear] Recorder \_\_\_\_\_

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



Dredge } No. 6111 Date, ....., 19..  
Hydrog. }

Sdg. Mch. .... Reel 1111 Shot } 50 lbs.  
Lead }

Turns ..... Cor'n ..... Depth 37 fms.

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

Character of Bottom / .....

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

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

Temp. Surf. { ..... Time ..... } Air { .....  
                  { ..... Time ..... }

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

Wind: Direction 11-11 Force .....

Baromet. 30.2 Amt. of Clouds / State of Sea /

Weather .....

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

Tide .....

General Locality *Off Washington Coast*

Position *Gray's Harbor light bears S44°E (true) distant 20.7 miles*

Chart used: No. 6400 Ed'n 5

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

Depth of Haul .....

Apparatus and Rig used .....

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

Remarks: .....

## SOUNDING WIRE.

M. Down. | Up. *P* M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19  
Hydrog. }

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot } 30  
Lead } lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.

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

Character of Bottom *fine sand*

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_                 { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { \_\_\_\_\_ Time *7:15* } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *N. W.* Force \_\_\_\_\_

Baromet. *30.23* Amt. of Clouds *1* State of Sea *1*

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Grays Harbor Light bears <sup>40°</sup> S 35° E (true) distant 19.0 miles*

Chart used: No. *6400* Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

## SOUNDING WIRE.

## DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

FMS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

1

Hydrog. No. \_\_\_\_\_ Date, July 21, 1916

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ <sup>Shot</sup>Lead } 30 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 63 fms.

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

Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                     { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 52.0 Time 7:10 a } Air { 60.0  
  Time \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction N.W. Force 3

Baromet. 30.26 Amt. of Clouds 10 State of Sea G

Weather over

Direction and Force of Current { Surface \_\_\_\_\_  
  Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Destruction I. Light bears N 28° E (true) distant 20.5 miles

Chart used: No. 6400 Ed'n 2

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder C. E. ...

## SOUNDING WIRE.

| Q.M. Down. | Up.  | Q.M. |
|------------|------|------|
| 0615       | 0830 |      |
| 0635       | 0740 |      |

FMS.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

## DREDGING CABLE.

M. Down. Up. M.

Hydrog. No. 5846 Date, July 31, 1915  
Sdg. Mch. West Reel Boat Shot Lead 30 lbs.  
Turns Cor'n Depth 75 fms.

Sdg. Cup Amt. Bot'm Sample  
Character of Bottom gy. M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 50 Time 7:30 } Air { 20 }  
Time

Density: Surf. fms.

Wind: Direction N.W. Force 3

Baromet. 30.26 Amt. of Clouds 10 State of Sea 1

Weather B. C.

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears N 31 1/2 E (true) distant 2.5 miles  
Chart used: No. 6400 Ed'n 0

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. S. S. Recorder E. S. S.

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

M. Down. | Up. | A.M.

--- M. Down. | Up. | --- M.

| SOUNDING WIRE. |        | FMS. | DREDGING CABLE. |     |
|----------------|--------|------|-----------------|-----|
| M. Down.       | Up.    |      | M. Down.        | Up. |
| 7 2446         | 7 2705 | 0    |                 |     |
| 7 2570         | 7 2870 | 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 |                 |     |



(3)  
Dredge } No. 517 Date, July 24, 1915  
Hydrog. }  
Sdg. Mch. Reel Elect Shot } 30 lbs.  
Lead }  
Turns ----- Cor'n ----- Depth 249 fms.  
Sdg. Cup ( ) Amt. Bot'm Sample -----  
Character of Bottom -----

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

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

Temp. Surf. { 52.0 Time 7:50 a } Air { 60.0  
                  { ----- Time ----- } -----

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

Wind: Direction S.W. Force 3

Baromet. 30.26 Amt. of Clouds 10 State of Sea S

Weather O.C.M.

Direction and Force of Current { Surface -----  
  { Bottom -----

Tide -----

General Locality Off Washington Coast

Position Destruction Is. Light bears N 36° E (true) distant 22.7 miles  
Chart used: No. 6400 Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

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

Remarks: -----

Deck Officer [Signature] Recorder [Signature]

SOUNDING WIRE.

FMS.

DREDGING CABLE.

*a* M. Down. | Up. | *a* M.

--- M. Down. | Up. | --- M.

| M. Down. | Up.     | M.  | FMS. |
|----------|---------|-----|------|
| 7 42 30  | 7 48 15 |     | 0    |
| 7 43 30  | 7 47 00 |     | 100  |
| 7 44 10  | 7 45 30 |     | 200  |
| 7 44 20  | 7 45 10 | 247 | 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 |

Sdg. Co. } No. \_\_\_\_\_ Date, July 21, 1911

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 290 fms.

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

Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                         { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 57.0 Time 8 AM } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction W. N. W. Force \_\_\_\_\_

Baromet. \_\_\_\_\_ Amt. of Clouds \_\_\_\_\_ State of Sea G

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality off Washington Coast

Position Destruction Is. Light bears N 37° E (true)

Chart used: No. 6400 distant 21.8 miles

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

M. Down. | Up. | M.

8 00 00 8 02 40  
 9 01 25 9 01 30 295

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

Wadze } No. 2041 Date, 1901, 19

Hydrog. } Sdg. Mch. Sigsbee Reel Sigsbee Shot/Lead 50 lbs.

Turns Cor'n Depth 50 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Green mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction 10 Force

Baromet. 30.1 n.s. Amt. of Clouds 10 State of Sea 2

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington Coast

Position Destruction Is. Light bears N40°E (true)

Chart used: No. 6400 distant 20.0 miles

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

| SOUNDING WIRE. |     |    |   | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|----|---|------|-----------------|-----|----|
| M. Down.       | Up. | M. |   |      | M. Down.        | Up. | M. |
| 8              | 21  | 50 | 8 | 22   | 50              |     |    |
| 8              | 22  | 15 | 8 | 22   | 30              | 80  |    |
|                |     |    |   |      | 0               |     |    |
|                |     |    |   |      | 100             |     |    |
|                |     |    |   |      | 200             |     |    |
|                |     |    |   |      | 300             |     |    |
|                |     |    |   |      | 400             |     |    |
|                |     |    |   |      | 500             |     |    |
|                |     |    |   |      | 600             |     |    |
|                |     |    |   |      | 700             |     |    |
|                |     |    |   |      | 800             |     |    |
|                |     |    |   |      | 900             |     |    |
|                |     |    |   |      | 1000            |     |    |
|                |     |    |   |      | 1100            |     |    |
|                |     |    |   |      | 1200            |     |    |
|                |     |    |   |      | 1300            |     |    |
|                |     |    |   |      | 1400            |     |    |
|                |     |    |   |      | 1500            |     |    |
|                |     |    |   |      | 1600            |     |    |
|                |     |    |   |      | 1700            |     |    |
|                |     |    |   |      | 1800            |     |    |
|                |     |    |   |      | 1900            |     |    |
|                |     |    |   |      | 2000            |     |    |
|                |     |    |   |      | 2100            |     |    |
|                |     |    |   |      | 2200            |     |    |
|                |     |    |   |      | 2300            |     |    |
|                |     |    |   |      | 2400            |     |    |
|                |     |    |   |      | 2500            |     |    |
|                |     |    |   |      | 2600            |     |    |
|                |     |    |   |      | 2700            |     |    |
|                |     |    |   |      | 2800            |     |    |
|                |     |    |   |      | 2900            |     |    |
|                |     |    |   |      | 3000            |     |    |
|                |     |    |   |      | 3100            |     |    |
|                |     |    |   |      | 3200            |     |    |
|                |     |    |   |      | 3300            |     |    |
|                |     |    |   |      | 3400            |     |    |
|                |     |    |   |      | 3500            |     |    |
|                |     |    |   |      | 3600            |     |    |
|                |     |    |   |      | 3700            |     |    |
|                |     |    |   |      | 3800            |     |    |
|                |     |    |   |      | 3900            |     |    |
|                |     |    |   |      | 4000            |     |    |
|                |     |    |   |      | 4100            |     |    |
|                |     |    |   |      | 4200            |     |    |
|                |     |    |   |      | 4300            |     |    |
|                |     |    |   |      | 4400            |     |    |
|                |     |    |   |      | 4500            |     |    |
|                |     |    |   |      | 4600            |     |    |
|                |     |    |   |      | 4700            |     |    |
|                |     |    |   |      | 4800            |     |    |
|                |     |    |   |      | 4900            |     |    |

Trawl No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_\_\_  
 Hydrog. No. \_\_\_\_\_  
 Sdg. Mch. Sigsbee Reel Sigsbee Shot/Lead \_\_\_\_\_ lbs.  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ fms.  
 Sdg. Cup Waring Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom gy. mud

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                     { No. \_\_\_\_\_                                { Stem \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
 Temp. Surf. { \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_  
                                     { \_\_\_\_\_ Time \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction SE Force 2

Baromet. \_\_\_\_\_ Amt. of Clouds 10 State of Sea \_\_\_\_\_

Weather W

Direction and Force of Current { Surface \_\_\_\_\_  
   { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Destruction I. Light bears N 4 1/2° E (true) distant 19.2 miles

Chart used: No. 6403 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer/Recorder [Signature]

## SOUNDING WIRE.

| M. Down. | Up.    | M. |
|----------|--------|----|
| 1 22 30  | 1 27 5 |    |
| 25 20    | 2 25   |    |

FMS.

## DREDGING CABLE.

| M. Down. | Up. | M. |
|----------|-----|----|
|          |     |    |

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900



Hydrog. } No.   
 Date, \_\_\_\_\_, 19\_\_\_\_  
 Sdg. Mch. *Fillet* Reel \_\_\_\_\_ Shot/Leads \_\_\_\_\_ lbs.  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *74* fms.  
 Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom *Green*

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
 Temp. Surf. { *52°* Time *8.45* } Air { *60* }  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *SW* Force *2*

Baromet. \_\_\_\_\_ Amt. of Clouds *11* State of Sea *B*

Weather *B, C, 12*

Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Destruction Is. Light bears N43 1/2° E (true) distant 18.5 miles*  
 Chart used: No. *6400* Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.

DREDGING CABLE.

| SOUNDING WIRE. |     | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|------|-----------------|-----|----|
| M. Down.       | Up. |      | M.              | Up. | M. |
| 3              | 47  | 00   | 8               | 51  | 00 |
| 517            | 30  |      |                 |     | 74 |
|                |     | 0    |                 |     |    |
|                |     | 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 |                 |     |    |

Hydrog. } No. \_\_\_\_\_ Date, \_\_\_\_\_, 1911

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 70 fms.

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

Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 53.0 Time 9:00 } Air { 60  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force \_\_\_\_\_

Baromet. 29 Amt. of Clouds 10 State of Sea 4

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *off Washington Coast*

Position *Destruction Is. Light bears N 48 1/2° E (true) distant 17 1/2 mil.*

Chart used: No. 6400 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer *Cassidy* Recorder \_\_\_\_\_

| SOUNDING WIRE. |     | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|------|-----------------|-----|----|
| M. Down.       | Up. |      | M.              | Up. | M. |
| 8              | 5   | 0    |                 |     |    |
| 8              | 7   | 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 } No. \_\_\_\_\_ Date, \_\_\_\_\_, 1912  
Hydrog. }

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot }  
Lead } lbs. \_\_\_\_\_

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 76 fms.

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

Character of Bottom Green mud

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_                 { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 53° Time 4 } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction W. by W. Force 3

Baromet. 30.2 Amt. of Clouds 10 State of Sea 3

Weather bcy

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality off Washington Coast

Position Destruction Is. Light bears N 47 1/2° E (true)  
distant 18.6 miles

Chart used: No. 6400 Ed'n 3

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

## SOUNDING WIRE.

## DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

FMS.

| M. Down. | Up. | M. | FMS. |
|----------|-----|----|------|
|          |     |    | 0    |
| 7/14/25  |     |    | 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 |

Lineage Hydrog. No. 5 Date, 1911

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

Turns Cor'n Depth 95 fms.

Sdg. Cup Tanning jar of 100 Amt. Bot'm Sample

Character of Bottom gn M. fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 50 Time 10:28 AM } Air { 60 Time

Density: Surf. fms.

Wind: Direction Force 3

Baromet. 30.29 Amt. of Clouds 10 State of Sea

Weather 3

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears N 49 1/2 E (True) distant 19.4 miles

Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder (J. H. ...)

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

M. Down. | Up. | M.

| M. Down. | Up.     | M. | FMS. |
|----------|---------|----|------|
| 9 24 00  | 9 26 30 |    | 0    |
| 9 24 50  | 9 27 55 |    | 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 |





| SOUNDING WIRE. |           | FMS. | DREDGING CABLE. |        |
|----------------|-----------|------|-----------------|--------|
| M. Down.       | Up. A. M. |      | M. Down.        | Up. M. |
| 9              | 35 15     | 0    |                 |        |
| 9              | 36 45     | 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 |                 |        |

Hydrog. No. \_\_\_\_\_ Date, \_\_\_\_\_, 1917.

Sdg. Mch. *Smith* Reel *Smith* Shot/Lead *30* lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *287* fms.

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

Character of Bottom *0*  $\frac{0}{287}$

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { *53.0* Time *9:47 a* } Air { *60.0*  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *WNW* Force *3*

Baromet. *30.31* Amt. of Clouds *10* State of Sea *9*

Weather *bc*

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *off Washington Coast*

Position *Destruction Is. Light bears NS 3/4 E (true)*

Chart used: No. *6400* Ed'n *20.8* distant *21.0 miles*

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:  $\frac{0}{287}$  fms.

Deck Officer *Mc Cassin* Recorder *[Signature]*

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. | Up. | M.

M. Down. | Up. | M.

9 51 40 | 9 57 20

9 53 30 | 9 52 35 387 400

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4100
- 4200
- 4300
- 4400
- 4500
- 4600
- 4700
- 4800
- 4900

Hydrog. No. / Date, July 21, 1918

Sdg. Mch. Reel Shot Leads 30 lbs.

Turns Cor'n Depth 298 fms.

Sdg. Cup Green / 20 / 1 / 20 Amt. Bot'm Sample

Character of Bottom 0  
298

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53.0 Time 10:17 a } Air { 61.0 Time

Density: Surf. fms.

Wind: Direction WNW Force 3

Baromet. 31 Amt. of Clouds 10 State of Sea 7

Weather 03

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington Coast

Position Destruction Is. Light bears N 55 1/2 E (true) distant 20.4 miles

Chart used: No. 6400 Ed'n 1

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: 0  
298

Deck Officer Mr. Cassidy Recorder [Signature]

SOUNDING WIRE.

FMS.

DREDGING CABLE.

A. M. Down. | Up. | P. M.

M. Down. | Up. | M.

10 | 09 | 00 | 10 | 15 | 00  
 10 | 11 | 00 | 10 | 11 | 05

400  
 298  
 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

No. \_\_\_\_\_ Date, July 21, 1915  
 Sdg. Mch. Electric Reel Ed. Shot Lead 30 lbs.  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 246 fms.  
 Sdg. Cup Primer 1000 Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom Chen. lead

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 53° Time 10:33 } Air { 61°  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction WNW Force 3

Baromet. 30.21 Amt. of Clouds 12 State of Sea 9

Weather 3

Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Destruction Is. Light bears N58°E (true)  
distant 19.8 miles

Chart used: No. 6400 Ed'n 6

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Remarks: Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.  
These lines of white line \_\_\_\_\_  
to leave by land side of \_\_\_\_\_

Deck Officer Mr. Cassidy Recorder \_\_\_\_\_

| SOUNDING WIRE. |     |                 |    |    | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|-----------------|----|----|------|-----------------|-----|----|
| M. Down.       | Up. | <del>2</del> M. |    |    |      | M. Down.        | Up. | M. |
| 10             | 24  | 35              | 10 | 31 | 00   |                 |     |    |
| 10             | 26  | 10              | 10 | 26 | 15   |                 |     |    |
|                |     |                 |    |    | 246  |                 |     |    |
|                |     |                 |    |    | 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 |                 |     |    |



Hydrog. No. 759 Date, Feb 21, 1915

Sdg. Mch. F. Eckman, W.B. Reel E.L. Shot Lead 30 lbs. 99

Turns Cor'n Depth 88 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Muck, green mud

Thermom. { Make Negretti-Zambra Cor'n Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53 Time 1 } Air { 54 Time 1 }

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.2 Amt. of Clouds 10 State of Sea R

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears N 60° E (true) distant 17.4 miles

Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: 11:53 AM 11:56 AM

SOUNDING WIRE.

FMS.

DREDGING CABLE.

A M. Down. Up. A M.

M. Down. Up. M.

10 | 40 | 30 | 10 | 40 | 40

- 0
- 88 100
- 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

*[Faint handwritten notes and numbers, possibly '2' and '10']*

Hydrog. No. 5860 Date, July 21, 1915

Sdg. Mch. Electric Reel Elect Lead 30 lbs.

Turns Cor'n Depth 92 fms.

Sdg. Cup Arriving (raft) Amt. Bot'm Sample

Character of Bottom gy M. S. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time 11:30 P } Air { 61°

Density: Surf. fms.

Wind: Direction N. 24. x. W. Force 3

Baromet. 30.34 Amt. of Clouds 10 State of Sea 7/1

Weather -00

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears N 63° E (true)

Chart used: No. 6400 distant 19.0 miles Ed'n 1517

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder Dr. Lons.

| SOUNDING WIRE. |     |         | FMS.              | DREDGING CABLE. |     |    |
|----------------|-----|---------|-------------------|-----------------|-----|----|
| Ⓞ M. Down.     | Up. | Ⓞ M.    |                   | M. Down.        | Up. | M. |
| 1 25 30        |     | 1 28 15 | 0                 |                 |     |    |
| 1 26 00        |     | 1 26 10 | 92 <del>100</del> |                 |     |    |
|                |     |         | 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              |                 |     |    |

Trawl } No. 5861 Date, July 31, 1915  
Hydrog. }

Sdg. Mch. Electric Reel Shot 20 lbs.  
Leads

Turns ----- Cor'n ----- Depth 87 fms.

Sdg. Cup Osning (sample) Amt. Bot'm

Character of Bottom fine M. s. s.

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

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

Temp. Surf. { 53.0 Time 11.42 } Air { 61.0  
Time -----

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

Wind: Direction N.W. x 26 Force 3

Baromet. 30.34 Amt. of Clouds 10 State of Sea M.

Weather oc

Direction and Force of Current { Surface -----  
Bottom -----

Tide -----

General Locality Off Washington Coast

Position Destruction Is. Light bears N 66° E (True)  
distant 18.8 miles

Chart used: No. 6400 Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

Time towing h. m.

Remarks: -----

Deck Officer [Signature] Recorder [Signature]

15-4

| SOUNDING WIRE. |     |        |          | FMS. | DREDGING CABLE. |    |  |
|----------------|-----|--------|----------|------|-----------------|----|--|
| M. Down.       | Up. | P.M.   | M. Down. |      | Up.             | M. |  |
| ✓ 135          | 15  | 139 20 |          | 0    |                 |    |  |
| ✓ 137          | 50  | 138 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 |                 |    |  |

Hydrog. } No. 6562 Date, July 21, 1915

Sdg. Mch. Electric Reel 30 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 78 fms.

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

Character of Bottom gm M.

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_ No. \_\_\_\_\_ Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 54.2 Time 1:52 } Air { 61.0 } Time \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction N 21 x S Force 2-3

Baromet. 30.34 Amt. of Clouds 10 State of Sea M.

Weather cc

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Destruction Is. Light bears N 68° E (true) distant 18.8 miles

Chart used: No. 6400 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing h. m.

Remarks:

Deck Officer \_\_\_\_\_ Recorder C. E. \_\_\_\_\_

140

SOUNDING WIRE.

| ⊙ | M. Down. | Up.     | M. |
|---|----------|---------|----|
|   | 1 48 40  | 1 50    | 15 |
|   | 1 49 20  | 1 47 30 |    |

FMS.

DREDGING CABLE.

M. Down. Up. M.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1800
- 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



~~Hydrog.~~ } No. 5563 Date, July 21, 1916

Sdg. Mch. Electric Reel 20 lbs.

Turns ----- Cor'n ----- Depth 84 fms.

Sdg. Cup Arriving left a cap Amt. Bot'm Sample

Character of Bottom g. M. fine gr. S

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

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

Temp. Surf. { 54° Time 2:05 } Air { 61°  
                  { ----- Time ----- }                    { -----

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

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

Baromet. 30.37 Amt. of Clouds 10 State of Sea 2

Weather bc

Direction and Force of Current { Surface -----  
  { Bottom -----

Tide -----

General Locality Off Washington Coast

Position Destruction Is. Light bears N 71° E (true) 64°  
  distant 19.1 miles,

Chart used: No. 6400 Ed'n 18.9

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

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

Remarks: -----

Deck Officer [Signature] Recorder [Signature]

| SOUNDING WIRE. |          |     |      | FMS. | DREDGING CABLE. |     |        |
|----------------|----------|-----|------|------|-----------------|-----|--------|
| Ⓐ              | M. Down. | Up. | Ⓐ M. |      | --- M. Down.    | Up. | --- M. |
| 2              | 02       | 30  | 2    | 04   | 10              |     |        |
| 2              | 03       | 00  | 2    | 03   | 10              |     |        |
|                |          |     |      | 0    |                 |     |        |
|                |          |     |      | 100  |                 |     |        |
|                |          |     |      | 200  |                 |     |        |
|                |          |     |      | 300  |                 |     |        |
|                |          |     |      | 400  |                 |     |        |
|                |          |     |      | 500  |                 |     |        |
|                |          |     |      | 600  |                 |     |        |
|                |          |     |      | 700  |                 |     |        |
|                |          |     |      | 800  |                 |     |        |
|                |          |     |      | 900  |                 |     |        |
|                |          |     |      | 1000 |                 |     |        |
|                |          |     |      | 1100 |                 |     |        |
|                |          |     |      | 1200 |                 |     |        |
|                |          |     |      | 1300 |                 |     |        |
|                |          |     |      | 1400 |                 |     |        |
|                |          |     |      | 1500 |                 |     |        |
|                |          |     |      | 1600 |                 |     |        |
|                |          |     |      | 1700 |                 |     |        |
|                |          |     |      | 1800 |                 |     |        |
|                |          |     |      | 1900 |                 |     |        |
|                |          |     |      | 2000 |                 |     |        |
|                |          |     |      | 2100 |                 |     |        |
|                |          |     |      | 2200 |                 |     |        |
|                |          |     |      | 2300 |                 |     |        |
|                |          |     |      | 2400 |                 |     |        |
|                |          |     |      | 2500 |                 |     |        |
|                |          |     |      | 2600 |                 |     |        |
|                |          |     |      | 2700 |                 |     |        |
|                |          |     |      | 2800 |                 |     |        |
|                |          |     |      | 2900 |                 |     |        |
|                |          |     |      | 3000 |                 |     |        |
|                |          |     |      | 3100 |                 |     |        |
|                |          |     |      | 3200 |                 |     |        |
|                |          |     |      | 3300 |                 |     |        |
|                |          |     |      | 3400 |                 |     |        |
|                |          |     |      | 3500 |                 |     |        |
|                |          |     |      | 3600 |                 |     |        |
|                |          |     |      | 3700 |                 |     |        |
|                |          |     |      | 3800 |                 |     |        |
|                |          |     |      | 3900 |                 |     |        |
|                |          |     |      | 4000 |                 |     |        |
|                |          |     |      | 4100 |                 |     |        |
|                |          |     |      | 4200 |                 |     |        |
|                |          |     |      | 4300 |                 |     |        |
|                |          |     |      | 4400 |                 |     |        |
|                |          |     |      | 4500 |                 |     |        |
|                |          |     |      | 4600 |                 |     |        |
|                |          |     |      | 4700 |                 |     |        |
|                |          |     |      | 4800 |                 |     |        |
|                |          |     |      | 4900 |                 |     |        |

Trawl } No. 5864 Date, July 21, 1915  
 Hydrog. }  
 Sdg. Mch. Electric Reel Electric Shot } 30 lbs.  
 Lead }  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 95 fms.  
 Sdg. Cup (Mining) Int. Bot'm Sample \_\_\_\_\_  
 Character of Bottom (fine) silt & gn. m.

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 54° Time 2:16 P } Air { 61°  
 { \_\_\_\_\_ Time \_\_\_\_\_ { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction (E) Force 3

Baromet. 30.35 Amt. of Clouds 9 State of Sea III

Weather bc

Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Destruction Is. Light bears N <sup>70°</sup> 71/2° E (true) distant 2.0 miles

Chart used: No. 6400 Ed'n 14.3

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

| SOUNDING WIRE. |     |    | FMS. | DREDGING CABLE. |     |      |  |  |  |  |  |
|----------------|-----|----|------|-----------------|-----|------|--|--|--|--|--|
| M. Down.       | Up. | M. |      | M. Down.        | Up. | M.   |  |  |  |  |  |
| 2              | 12  | 33 | 2    | 18              | 50  |      |  |  |  |  |  |
| 2              | 13  | 05 | 2    | 13              | 05  | 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 |  |  |  |  |  |



## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

P M. Down. Up. P M.

M. Down. Up. M.

2 22 35 2 25 50

2 23 25 2 24 40

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

~~Hydrog.~~ } No. 5-866 Date, July 21, 1910

Sdg. Mch. Electric Reel Elect. Shot/Lead 30 lbs.

Turns Cor'n Depth 103 fms.

Sdg. Cup Dredging Amt. Bot'm Sample

Character of Bottom coarse gravel, fine gy S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 64° Time 2:40 } Air { 61° Time

Density: Surf. fms.

Wind: Direction S.W. Force 3

Baromet. 30.35 Amt. of Clouds 4 State of Sea III

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears N 72 1/2° E (true) distant 2.2 miles

Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer T. S. Quinn Recorder C. H. ...

187

| SOUNDING WIRE. |         |    | FMS. | DREDGING CABLE. |     |    |
|----------------|---------|----|------|-----------------|-----|----|
| M. Down.       | Up.     | M. |      | M. Down.        | Up. | M. |
| 2 34 20        | 2 36 25 |    | 0    |                 |     |    |
| 2 35 10        | 2 36 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 |                 |     |    |



Hydrog. No. 5567 Date, July 21, 1915

Sdg. Mch. Electric Recd. Elect. Shot Leads 30 lbs.

Turns ----- Cor'n ----- Depth 189 fms.

Sdg. Cup - Mining (soft) Amt. Bot'm Sample

Character of Bottom (blk) S. fine gr. S

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

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

Temp. Surf. { 54.0 Time ----- } Air { 61.0 Time -----

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

Wind: Direction W. S. W. Force 2

Baromet. 30.35 Amt. of Clouds 2 State of Sea 1/4

Weather -----

Direction and Force of Current { Surface ----- Bottom -----

Tide -----

General Locality off Washington Coast

Position Destruction Is Light bears N 71/2 E (true) distant 23.0 miles

Chart used: No. 6406 Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

Time towing h. m.

Remarks: -----

Deck Officer J. S. ... Recorder W. B. ...

| SOUNDING WIRE. |     |    | FMS. | DREDGING CABLE. |        |      |
|----------------|-----|----|------|-----------------|--------|------|
| M. Down.       | Up. | M. |      | M. Down.        | Up.    | M.   |
| 2              | 45  | 10 | 2    | 4               |        | 0    |
| 2              | 46  | 30 | 2    | 46              | 36-189 | 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 |

Hydrog. } No. 5568 Date, July 21, 1915

Sdg. Mch. Electric Reel Elect Shot Lead 30 lbs.

Turns ----- Cor'n ----- Depth 105 fms.

Sdg. Cup *arming (soft)* Apt. Bot'm Sample

Character of Bottom *fine gravel*

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

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

Temp. Surf. { 54 Time 3:07 } Air { 64°  
Time -----

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

Wind: Direction *SE* Force 3

Baromet. 30.34 Amt. of Clouds 2 State of Sea *M*

Weather *bc*

Direction and Force of Current { Surface -----  
Bottom -----

Tide -----

General Locality *Off Washington Coast*

Position *Destruction Is. Light bears N 73 1/2° E (true) distant 22.0 miles*

Chart used: No. 6408 Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

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

Remarks: -----

Deck Officer *Mr. Smith* Recorder *C.E. King*

## SOUNDING WIRE.

| Ⓟ M. Down. | Up.   | Ⓟ M. |
|------------|-------|------|
| 30330      | 30530 |      |
| 30410      | 30420 |      |

FMS.

## DREDGING CABLE.

| M. Down. | Up. | M. |
|----------|-----|----|
|          |     |    |

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Hydrog. } No. 5-869 Date, July 21, 1915  
 Sdg. Mch. Electric Reel Elect. Shot Lead 30 lbs.  
 Turns Cor'n Depth 101 fms.

Sdg. Cup Arming Cup Amt. Bot'm Sample  
 Character of Bottom (s) 4 gy; M. Sh. f. 2  
 Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.  
 Temp. Surf. { 54° Time 3:20 } Air { 64°  
 Time

Density: Surf. fms.  
 Wind: Direction 24 N. 25. Force 3  
 Baromet. 30.34 Amt. of Clouds 2 State of Sea M  
 Weather bc

Direction and Force of Current { Surface Bottom  
 Tide

General Locality off Washington Coast  
 Position Destruction Is. Light bears N 75° E (true) distant 21.5 miles  
 Chart used: No. 6400 Ed'n 3  
 Drift: Direction Distance  
 Depth of Haul  
 Apparatus and Rig used

Time towing h. m.  
 Remarks:

Deck Officer Mr. [Signature] Recorder C. E. [Signature]  
 11-1023

185

| SOUNDING WIRE. |     |    | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|----|------|-----------------|-----|----|
| M. Down.       | Up. | M. |      | M. Down.        | Up. | M. |
| 3              | 14  | 3  | 0    |                 |     |    |
| 3              | 15  | 3  | 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 |                 |     |    |

Hydrog. No. 5870 Date, July 21, 1918

Sdg. Mch. Electric Reel Elect Shot/Lead 30 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 93 fms.

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

Character of Bottom gy. s. G. fine G. fine G. S.

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_ No. \_\_\_\_\_ Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 5-4° Time 3:30 } Air { 64° } Time \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction S.W. Force 3

Baromet. 30.33 Amt. of Clouds 2 State of Sea M.

Weather bc

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality off Washington Coast

Position Destruction Id. Light bears N 78° E (true) distant 20.7 miles

Chart used: No. 6400 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer M. S. ... Recorder. W. E. ... 11-1023

| SOUNDING WIRE. |     |    | FMS. | DREDGING CABLE. |     |      |
|----------------|-----|----|------|-----------------|-----|------|
| M. Down.       | Up. | M. |      | M. Down.        | Up. | M.   |
| 3              | 26  | 30 | 3    | 25              | 15  | 0    |
| 3              | 27  | 30 | 3    | 27              | 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 |



①

Hydrog. No. 5871 Date, July 28, 1915

Sdg. Mch. Sigsbee Reel Sigsbee Shot 20 lbs. Lead

Turns Cor'n Depth 76 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom m. fm.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 57° Time 4:51 } Air { 52° Time

Density: Surf. fms.

Wind: Direction West Force 2-3

Baromet. 30.24 Amt. of Clouds 9 State of Sea 9

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position Destruction Is. Light bears N 72° E (true) distant 16.5 miles

Chart used: No. 6400 Ed'n 2

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mc. Shapley Recorder Stratton

SOUNDING WIRE.

FMS.

DREDGING CABLE.

| SOUNDING WIRE. |         |    | FMS.              | DREDGING CABLE. |     |    |
|----------------|---------|----|-------------------|-----------------|-----|----|
| M. Down.       | Up.     | M. |                   | M. Down.        | Up. | M. |
| 4 47 00        | 4 49 30 |    | 0                 |                 |     |    |
| 4 47 40        | 4 47 45 |    | 76 <del>100</del> |                 |     |    |
|                |         |    | 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              |                 |     |    |

(2)

Dredge No. 5872 Date, July 22, 1915  
Hydrog. Sdg. Mch. Electric Reel EL. Shot Lead 30 lbs.  
Turns Cor'n Depth 92 fms.  
Sdg. Cup Arming (6ft soap) Amt. Bot'm Sample  
Character of Bottom clean lead

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 520 Time 5:09 } Air { 59°  
                  {            Time            }            {            }

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 30.35 Amt. of Clouds 9 State of Sea JT

Weather bc

Direction and Force of Current { Surface  
  { Bottom

Tide

General Locality off Washington Coast

Position Destruction Is. Light bears N 77 1/2° E (true) distant 20.6 miles  
Chart used: No. 6400 Ed'n 3

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

This boat checked  
RTA

Time towing h. m.

Remarks:

Deck Officer Mr. Caring Recorder A. Kirk  
11-1023

| SOUNDING WIRE. |    |    |     |       |    | FMS. | DREDGING CABLE. |     |    |
|----------------|----|----|-----|-------|----|------|-----------------|-----|----|
| A. M. Down.    |    |    | Up. | A. M. |    |      | M. Down.        | Up. | M. |
| 5              | 04 | 00 | 5   | 06    | 30 | 0    |                 |     |    |
| 5              | 04 | 45 | 5   | 04    | 46 | 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 |                 |     |    |

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