

H5919

507

(4) 5919  
 Dredge } No. 5916 Date, July 23, 1911  
 Hydrog. }  
 Sdg. Mch. Elect Reel Elect Shot Lead 50 lbs.  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 93 fms.  
 Sdg. Cup Arising (soft soap) Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom Clean lead

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

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

Temp. Surf. { 55.0 Time 5:14 } Air { 62.0  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_

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

Wind: Direction S.W. Force 4

Baromet. 30.26 Amt. of Clouds 4 State of Sea M.

Weather fog

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

Tide \_\_\_\_\_

General Locality off Washington coast

Position Gray Harbor light bears N 77 1/2° E (true) distant 3.0 miles

Chart used: No. 6400 Ed'n 29.8

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

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

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

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

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

Deck Officer Mrs. Glick Recorder C. C. DeLoe  
 11-1023

| SOUNDING WIRE.    |         |             | FMS. | DREDGING CABLE. |     |    |
|-------------------|---------|-------------|------|-----------------|-----|----|
| <u>P</u> M. DOWN. | UP.     | <u>P</u> M. |      | M. DOWN.        | UP. | M. |
| 5 10 05           | 5 12 15 |             | 0    |                 |     |    |
| 5 10 40           | 5 11 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 |                 |     |    |

(5) 5920

Dredge } No. 5917 Date, July 23, 1911  
Hydrog. }

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 99 fms.

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

Character of Bottom coarse savel black sand

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

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

Temp. Surf. { 55 Time 5:21 } Air { 61° }  
{ \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_ }

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

Wind: Direction N.W. Force 4

Baromet. 30.26 Amt. of Clouds 4 State of Sea M

Weather bz

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

Tide \_\_\_\_\_

General Locality off Washington Coast

Position Gray Harbor Light bears N 77 1/3° E (true) distant 3 1/2 miles

Chart used: No. 6400 Ed'n 30.8

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

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

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

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

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

Deck Officer Mr. Glick Recorder Blaker

| SOUNDING WIRE. |       |    | FMS.  | DREDGING CABLE. |     |    |
|----------------|-------|----|-------|-----------------|-----|----|
| M. Down.       | Up.   | M. |       | M. Down.        | Up. | M. |
| 2              | 18 20 | 5  | 2055  |                 |     |    |
| 5              | 19 00 | 5  | 19 30 | 99              | 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            |     |    |

6

5921

Dredge } No. 5976 Date, July 23, 1915  
Hydrog. }

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 111 fms.

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

Character of Bottom fine (Black) sand - fine gravel

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

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

Temp. Surf. { 51° Time 5.32 } Air { 61°  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }            { \_\_\_\_\_

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

Wind: Direction NW Force 4

Baromet. 30.26 Amt. of Clouds 4 State of Sea 27

Weather fog

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

Tide \_\_\_\_\_

General Locality off Washington coast

Position Grays Harbor Light bears N 78° E (true) 77 2/3 miles distant

Chart used: No. 6400 Ed'n 31.8

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

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

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

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

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

Deck Officer Mr. Glick Recorder Blake

| SOUNDING WIRE. |     |    | FMS. | DREDGING CABLE. |     |        |
|----------------|-----|----|------|-----------------|-----|--------|
| M. Down.       | Up. | M. |      | M. Down.        | Up. | M.     |
| 5              | 30  | 25 | 5    | 32              | 55  | 0      |
| 5              | 31  | 20 | 5    | 31              | 25  | 11/100 |
|                |     |    |      |                 |     | 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   |



5922  
Hydrog. No. 5919 Date, July 23, 1915  
Sdg. Mch. Elect Reel Blue Shot Lead 30 lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 203 fms.  
Sdg. Cup *Bruning & Sons* Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom *Fine sand*

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

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

Temp. Surf. { 51° Time 5.46 } Air { 60°  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }                    { \_\_\_\_\_

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

Wind: Direction *nw* Force *4*

Baromet. *30.26* Amt. of Clouds *4* State of Sea *sm*

Weather *bcy*

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

Tide \_\_\_\_\_

General Locality *Off Washington coast*

Position *Grays Harbor Light bears N 78 1/2° E (true) distant 32.1 miles*

Chart used: No. *6400* Ed'n *32.8*

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

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

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

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

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

Deck Officer *Mr Slick* Recorder *Blaker*

| SOUNDING WIRE. |       |    | FMS.  | DREDGING CABLE. |     |    |      |  |  |  |
|----------------|-------|----|-------|-----------------|-----|----|------|--|--|--|
| M. Down.       | Up.   | M. |       | M. Down.        | Up. | M. |      |  |  |  |
| 5              | 42 20 | 5  | 46 55 |                 |     |    | 0    |  |  |  |
| 5              | 43 00 | 5  | 45 20 |                 |     |    | 100  |  |  |  |
| 5              | 43 40 | 5  | 44 10 | 203             | 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, July 23, 1918

Hydrog. } \_\_\_\_\_ Reel \_\_\_\_\_ Shot 30 lbs.  
Lead } \_\_\_\_\_

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 124 fms.

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

Character of Bottom \_\_\_\_\_  
crs M S, Mca

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

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

Temp. Surf. { 51.2 Time 6.02 } Air {  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

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

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

Baromet. 30.01 Amt. of Clouds 4 State of Sea \_\_\_\_\_

Weather U. B. C.

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

Tide \_\_\_\_\_

General Locality Off Washington coast

Position Grays Harbor Light bears N 80° E (true)

Chart used: No. 6400 distant 32.6 miles  
Ed'n 31.8

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

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

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

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.  
Remarks: \_\_\_\_\_

Deck Officer M. M. Smith Recorder \_\_\_\_\_

SOUNDING WIRE.

M. Down. | Up. | M.

5 | 55 | 15 | 5 | 0 | 20  
 5 | 58 | 55 | 5 | 59 | 20  
 5 | 59 | 05 | 5 | 59 | 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. \_\_\_\_\_ Date, \_\_\_\_\_, 191\_\_\_\_\_

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 99 fms.

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

Character of Bottom Gravel

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

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

Temp. Surf. { 51° Time 6:12 } Air { 61° }  
Time \_\_\_\_\_

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

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

Baromet. 30.25 Amt. of Clouds 5 State of Sea 111

Weather \_\_\_\_\_

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

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Gray Harbor Light bears <sup>82 1/2</sup> N 80 1/2° E (true) distant 3.0 miles

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

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

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

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

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

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

Deck Officer W. H. ... Recorder D. L. ...

## SOUNDING WIRE.

## 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 |                 |     |    |

10

Hydrog. No. \_\_\_\_\_ Date, \_\_\_\_\_, 1910

Sdg. Mch. \_\_\_\_\_ Reel *3* Shot *3* Leads \_\_\_\_\_ lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *95* fms.

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

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

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

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

Temp. Surf. { *51.0* Time *1.28* } Air { *61.0*  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_

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

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

Baromet. *30.25* Amt. of Clouds *5* State of Sea \_\_\_\_\_

Weather *bcn*

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

Tide \_\_\_\_\_

General Locality. *Off Washington Coast*

Position *Grays Harbor Light bears N 84° E (True) distant 30.5 miles*

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

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

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

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

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

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

Deck Officer *W. Shepley* Recorder \_\_\_\_\_

11-1023

SOUNDING WIRE.

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

|   |    |    |   |    |    |
|---|----|----|---|----|----|
| 6 | 22 | 25 | 6 | 24 | 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



Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 1915  
Hydrog. }

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 91 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 \_\_\_\_\_ Force \_\_\_\_\_

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

Weather \_\_\_\_\_

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

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_

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

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

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

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

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

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

| 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. . . . . Date, . . . . . , 19 )

Sdg. Mch. . . . . Reel . . . . . Shot } Lead } 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. { . . . . . Time . . . . . } Air {  
                  { . . . . . Time . . . . . }

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

Wind: Direction . . . . . Force . . . . .

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

Weather . . . . .

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

Tide . . . . .

General Locality . . . . .

Position . . . . .

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

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

Depth of Haul . . . . .

Apparatus and Rig used . . . . .

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

Remarks: . . . . .

Deck Officer . . . . . Recorder . . . . .

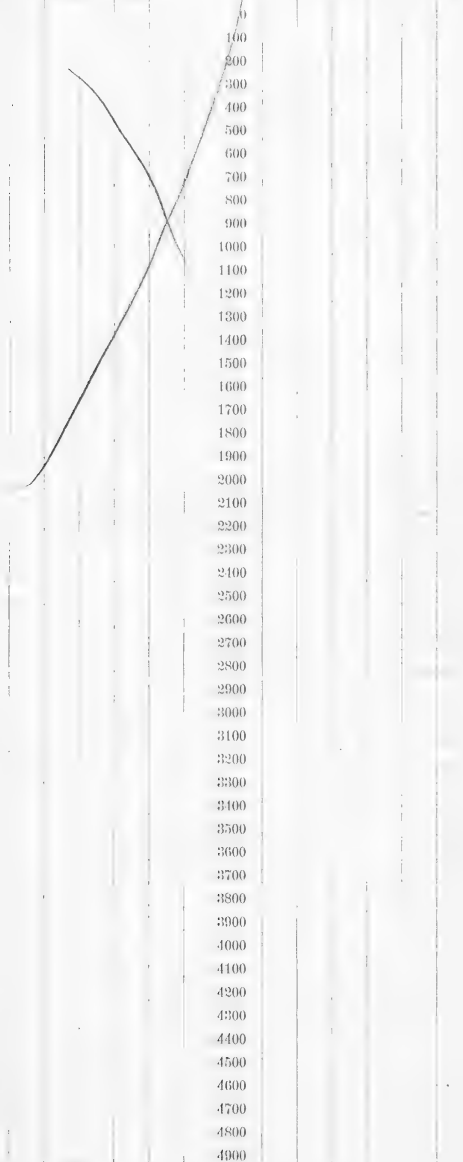
## SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.



Dredge } No. 511 Date, \_\_\_\_\_, 19 )  
Hydrog. }

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

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. { \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }

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

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

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

Weather \_\_\_\_\_

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

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_

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

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

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

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

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

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

Deck Officer *W. H. Peck* 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. 533 Date, July 23, 1905  
Hydrog. }

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *91* fms.

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

Character of Bottom *gy. M. S. G.*

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

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

Temp. Surf. { *53.1* Time *6:41* } Air { *57.0*  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

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

Wind: Direction *W. S. W.* Force *4*

Baromet. *30.25* Amt. of Clouds *4* State of Sea *7.5*

Weather *bca*

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

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Grays Harbor light bears N 85° E (true) distant 30.0 miles*

Chart used: No. *6400* Ed'n *29.7*

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. |
| 6425           | 6300 | 00 | 0    |                 |     |    |
| 6370           | 6150 | 35 | 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 |                 |     |    |



70 5927  
Tidegauge } No. 5927 Date, July 3, 1913  
Hydrog. }

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 88 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° Time 6:55 P. } Air { 61°  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }        { \_\_\_\_\_

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

Wind: Direction N.W. Force 4

Baromet. 30.95 Amt. of Clouds 4 State of Sea R

Weather b, p

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

Tide \_\_\_\_\_

General Locality off Washington coast

Position Gray Harbor Light bears N 86° 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. |
| 147.45         | 6.50.00 | 0    |                 |        |
| 6.50.40        | 6.51.20 | 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 |                 |        |

(13)  
Trawl } No. 5925 Date, July 23, 1915  
Hydrog. }

Sdg. Mch. Elect Reel 4 Shot 30 lbs.  
Lead

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 90 fms.

Sdg. Cup *Waring* (Silt) Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom *fine gy.S*

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

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

Temp. Surf. { 53° Time \_\_\_\_\_ } Air { 60°  
Time \_\_\_\_\_ }

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

Wind: Direction *N.W.* Force 4

Baromet. *30.24* Amt. of Clouds *3* State of Sea *1/4*

Weather *bey.*

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

Tide \_\_\_\_\_

General Locality *Off Washington coast*

Position *Gray Harbor Light bears N87 1/2° E (true)  
distant 30.2 miles*  
Chart used: No. *6400* Ed'n \_\_\_\_\_

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

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

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

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

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

Deck Officer *Mr. Shapiro* Recorder *C. W. ...*  
11-1023

SOUNDING WIRE.

| M. Down. |    | Up. |   | M. |    |
|----------|----|-----|---|----|----|
| 7        | 03 | 15  | 7 | 05 | 35 |
| 7        | 04 | 00  | 7 | 04 | 30 |

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

14

14

Trawl Hydrog. No. 5-926 Date, July 23, 1915

Sdg. Mch. Elect Reel 204 Shot/Lead 30 lbs.

Turns Cor'n Depth 90 fms.

Sdg. Cup (Timing) (Sdg. Sample) Amt. Bot'm

Character of Bottom blue shale

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time 7:19 Air { 60°

Density: Surf. fms.

Wind: Direction N W Force 4

Baromet. 20.24 Amt. of Clouds 4 State of Sea 2

Weather 2/7

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington coast

Position Gray Harbor Light bears N 88° E (true) distant 3.2 miles

Chart used: No. 6400 Ed'n 20.9

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

166

| SOUNDING WIRE. |     |       | FMS. | DREDGING CABLE. |     |      |
|----------------|-----|-------|------|-----------------|-----|------|
| M. Down.       | Up. | P. M. |      | M. Down.        | Up. | M.   |
| 7              | 16  | 15    | 7    | 17              | 25  | 0    |
| 7              | 16  | 00    | 7    | 16              | 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 |

5430

Dredge } No. 5929 Date, July 23, 1915  
Hydrog. }

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

Turns Cor'n Depth 94 fms.

Sdg. Cup Channing (with 200 ft) Sample

Character of Bottom (fine sand)

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time 7:32 P. Air { 60°

Density: Surf. fms.

Wind: Direction N.W. Force 4

Baromet. 30.24 Amt. of Clouds 4 State of Sea 1/4

Weather bcj

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington coast

Position Gray Harbor Light bears N 89° E (true) distant 32.2 mile

Chart used: No. 6400 Ed'n 31.9

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer J. S. ... Recorder C. B. ...

SOUNDING WIRE.

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

7 27 40 | 7 27 57  
 7 28 15 | 7 28 40

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



(16) 5931

Hydrog. } No. 5925 Date, July 23, 1915

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

Turns Cor'n Depth 111 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom gy. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53.0 Time 7:44 P } Air { 60.0 Time

Density: Surf. fms.

Wind: Direction N.W. Force 4

Baromet. 30.24 Amt. of Clouds 2 State of Sea 1

Weather b. c.

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington coast

Position Gray Harbor Light bears E (true) distant 3.3 miles

Chart used: No. 6400 Ed'n 32.9

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder 11-1023

| SOUNDING WIRE.    |     |             | FMS. | DREDGING CABLE. |     |    |
|-------------------|-----|-------------|------|-----------------|-----|----|
| <i>P</i> M. Down. | Up. | <i>P</i> M. |      | M. Down.        | Up. | M. |
| 7                 | 39  | 40          | 7    | 42              | 20  |    |
| 7                 | 40  | 50          | 7    | 40              | 55  |    |
|                   |     |             | 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 |                 |     |    |

17 5932

Trawl Hydrog. No. 5927 Date, July 23, 1915

Sdg. Mch. Electric Reel Shot Lead 30 lbs.

Turns ----- Cor'n ----- Depth 279 fms.

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

Character of Bottom fine (M) sand

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

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

Temp. Surf. { 53° Time 7:57 } Air { 60° Time -----

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

Wind: Direction N.W. Force 4

Baromet. 30.2-1 Amt. of Clouds 2 State of Sea 2/10

Weather bcg

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

Tide -----

General Locality Off Washington coast

Position Gray Harbor Light bears S 89° E (true) distant 34.3 miles

Chart used: No. 6400 Ed'n 53.7

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. |     |      |  |  |  |
|-------------------|-----|----|------|-----------------|-----|------|--|--|--|
| <i>P</i> M. Down. | Up. | M. |      | M. Down.        | Up. | M.   |  |  |  |
| 7                 | 52  | 00 | 7    | 57              | 15  | 0    |  |  |  |
| 7                 | 54  | 05 | 7    | 54              | 10  | 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. 1907 Date, Aug 24, 1911  
Hydrog. }

Sdg. Mch. Reel Shot/Lead 30 lbs.

Turns Cor'n Depth 88 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 Time 8:36 } Air { 61' Time

Density: Surf. fms.

Wind: Direction W-N-W Force 2

Baromet. 30.30 Amt. of Clouds 10 State of Sea G

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington coast

Position Gray Harbor Light bears N 84° E (true) distant 29.2 miles

Chart used: No. 6400 Ed'n 28.7

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

DREDGING CABLE.

| A. M. DOWN. | UP. | A. M. |
|-------------|-----|-------|
|-------------|-----|-------|

FMS.

| M. DOWN. | UP. | M. |
|----------|-----|----|
|----------|-----|----|

|      |   |      |
|------|---|------|
| 3120 | 8 | 3315 |
| 3150 | 8 | 3155 |

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 5434  
Dredge Hydrog. No. 5931 Date, June 24, 19  
Sdg. Mch. Reel Shot/Lead 30 lbs.  
Turns Cor'n Depth 93 fms.  
Sdg. Cup Amt. Bot'm Sample

Character of Bottom *fm*

Thermom. { Make *U* Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction *W-N-W* Force *2*

Baromet. Amt. of Clouds State of Sea

Weather *bc*

Direction and Force of Current { Surface Bottom

Tide

General Locality *Off Washington coast*

Position *Gray Harbor light bears N83°E (true) distant 30.4 miles*

Chart used: No. *6400* Ed'n *2933*

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing: h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

DREDGING CABLE.

A M. DOWN. | UP. | A M.

8 18 00      8 49 53  
 8 48 35      8 48 38

FMS.

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. 5232 Date, July 24, 1915  
 Hydrog. }  
 Sdg. Mch. *W. C. ...* Reel *11* Shot/Lead 30 lbs.  
 Turns ----- Cor'n ----- Depth 98 fms.  
 Amt. Bot'm Sample -----  
 Sdg. Cup *11*  
 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 *W-N-W* Force *2*

Baromet. *30.24* Amt. of Clouds *10* State of Sea *←*

Weather *bc*

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

Tide -----

General Locality *Off Washington coast*

Position *Gray's Harbor Light bears N 82 1/2° E (true) 30.7 miles distant*

Chart used: No. *6400* Ed'n *2*

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

Depth of Haul -----

Apparatus and Rig used -----

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

Remarks: -----

Deck Officer *H. B. ...* Recorder *Parker*

| SOUNDING WIRE. |         |       | FMS. | DREDGING CABLE. |     |    |
|----------------|---------|-------|------|-----------------|-----|----|
| M. Down.       | Up.     | A. M. |      | M. Down.        | Up. | M. |
| A              |         |       |      |                 |     |    |
| 8 50 43        | 8 52    |       | 0    |                 |     |    |
| 8 51 17        | 8 51 20 | 98    | 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 |                 |     |    |

(4) 5936

Hydrog. No. 2723 Date, \_\_\_\_\_, 19\_\_

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

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

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

Character of Bottom *10 f. 10 sh. 10*

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. *6*  
                  { No. \_\_\_\_\_                    { Stem. \_\_\_\_\_

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

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

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

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

Baromet. *30.30* Amt. of Clouds *10* State of Sea *6*

Weather \_\_\_\_\_

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

Tide \_\_\_\_\_

General Locality *Off Washington coast*

Position *Gray Heron Light bears N 82 1/2° E (true) distant 37.2 miles*

Chart used: No. *6400* Ed'n *30.6*

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

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

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

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

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

Deck Officer \_\_\_\_\_ Recorder *[Signature]*

| SOUNDING WIRE. |     |       | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|-------|------|-----------------|-----|----|
| M. Down.       | Up. | A. 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 |                 |     |    |

573

Dredge } No. 593 Date, \_\_\_\_\_, 19\_\_

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 111 fms.

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

Character of Bottom (gray) ~~crs + fine gn~~

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

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

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

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

Wind: Direction W-N-W Force 2

Baromet. 30.30 Amt. of Clouds 10 State of Sea \_\_\_\_\_

Weather bc.

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

Tide \_\_\_\_\_

General Locality Off Washington coast

Position Grays Harbor Light bears N 81 1/2° E (true) distant 31.7 miles  
Chart used: No. 6400 Ed'n \_\_\_\_\_

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

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

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

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

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

## SOUNDING WIRE.

M. Down. | Up. | 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. *Lucas* Reel \_\_\_\_\_ Shot }  
Lead } lbs.

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

Sdg. Cup *4 mung (soft soap)* 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 *W-N-V* Force \_\_\_\_\_

Baromet. *30.20* Amt. of Clouds *10* State of Sea \_\_\_\_\_

Weather *bc*

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

Tide \_\_\_\_\_

General Locality *Off Washington coast*

Position *Grays Harbor Light bears N 82 1/2° E (true)  
distant 31.5 miles*

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

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

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

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

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

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

Deck Officer *H. Cassidy* Recorder *Parker*

| SOUNDING WIRE. |         |       |          | FMS. | DREDGING CABLE. |    |  |
|----------------|---------|-------|----------|------|-----------------|----|--|
| A. M. Down.    | Up.     | A. M. | M. Down. |      | Up.             | M. |  |
| 9 20 15        | 9 22 10 |       |          | 0    |                 |    |  |
| 9 20 43        | 9 20 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 |                 |    |  |



Dredge } No. 5986 Date, \_\_\_\_\_, 19\_\_  
Hydrog. }

Sdg. Mch. \_\_\_\_\_ Reel / *100* Shot / *30* lbs.  
Lead }

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *100* fms.

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

Character of Bottom *fine (gn)* \_\_\_\_\_

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

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

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

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

Wind: Direction *W. N. W* Force *2*

Baromet. *130* Amt. of Clouds *10* State of Sea *G*

Weather \_\_\_\_\_

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

Tide \_\_\_\_\_

General Locality *Off Washington Coast*

Position *Gray's Harbor Light bears N <sup>85 1/2</sup> 83° E (true) distant 31.5 miles*

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

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

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

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

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

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

Deck Officer *[Signature]* 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. 5940  
Hydrog. } 5022  
Date, \_\_\_\_\_, 19\_\_\_

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.  
Turns \_\_\_\_\_ Cor'n. ECKMAN-WATT Depth BOTTLE 87 fms.  
Sdg. Cup *Amundsen* Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom *fine*  
Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. 44.4   { Stem. \_\_\_\_\_  
ECKMAN-W.B. Bottom Reading { 44.7 Cor'd Temp. \_\_\_\_\_

Temp. Surf. } Time \_\_\_\_\_ } Air } \_\_\_\_\_  
ECKMAN-W.B. 58° Time \_\_\_\_\_ } \_\_\_\_\_

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

Wind: Direction *W. N. W.* Force *2*

Baromet. *7.30* Amt. of Clouds *10* State of Sea *3*

Weather *bc*

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

Tide \_\_\_\_\_

General Locality *Off Washington coast*

Position *Gray's Harbor Light bears N 84° E (true)*

Chart used: No. *6400* distant *31.5 miles*

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

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

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

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

Remarks:  
*1st haul 1/59 43:25 AM = 000 2:58.3*  
*2nd haul 1/59 55:15 AM = 200 12:47.0*  
*total haul 4 ft. 12 + 20*  
*total haul 93 fms.*

Deck Officer *W. L. ...* Recorder *Karber*  
*W. G. ...* *Smith* 11-1023

SOUNDING WIRE.

DREDGING CABLE.

M. Down. | Up. | M.

FMS.

M. Down. Up. M.

9 34 10 | 9 41 00

Eckman W.B.

9 55 05 | 10 07 20 0

9 57 00 | 10 07 40 87

sp. ...  
at 10.07.05

VERTICAL-HAUL ~~1200~~

10 26 55 | 10 34 45 0 1400

10 29 30 | 10 50 17 93 1500

93 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. 1 Date, \_\_\_\_\_, 19\_\_\_\_  
Hydrog. }  
Sdg. Mch. \_\_\_\_\_ Reel *Hand* Shot/Lead \_\_\_\_\_ lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *230* fms.  
Sdg. Cup *(Muntz's)* Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom *fine bottom*

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

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

Temp. Surf. { *53°* Time *2:01 P* } Air { *63°*  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }     { \_\_\_\_\_

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

Wind: Direction *WNW* Force *3*

Baromet. *30.31* Amt. of Clouds *10* State of Sea *1*

Weather *0*

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

Tide \_\_\_\_\_

General Locality *off Washington coast*

Position *Gray Harbor Light bears S 87° E (true)*  
*distant 31.9 miles*

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

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

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

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

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

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

Deck Officer *J. G. G.* Recorder *J. G. G.*

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. DOWN. | UP. | P.M.

M. DOWN. | UP. | M.

1 54 09 | 1 57 00  
 1 54 49 | 1 54 50

- 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

10 5942  
 Dredge } No. 5939 Date, \_\_\_\_\_, 19\_\_\_\_  
 Hydrog. }  
 Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ lbs.  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 93 fms.  
 Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom (60 m. fine (S) fine gr. s. s.)

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem. \_\_\_\_\_  
 Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
 Temp. Surf. { 53 Time 2:12 p } Air { 60  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_  
 Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
 Wind: Direction WNW Force 3  
 Baromet. 30.31 Amt. of Clouds 10 State of Sea 1  
 Weather 0

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

General Locality off Washington coast

Position Gray Harbor Light bears S 85° E (true) distant 32.1 mile  
 Chart used: No. 6400 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_  
 Depth of Haul \_\_\_\_\_  
 Apparatus and Rig used \_\_\_\_\_

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

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

Deck Officer W. G. Sick Recorder \_\_\_\_\_  
 11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

∞ M. Down. | Up. | <sup>(P)</sup> M.

M. Down. | Up. | M.

2 07 10 | 2 10 40  
 2 08 30 | ~~2~~ 08 35

93 ~~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. 5440 Date, July 2, 19  
 Hydrog. }  
 Sdg. Mch. \_\_\_\_\_ Reel. off Shot } 30 lbs.  
 Lead }  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 92 fms.  
 Sdg. Cup Manufacture (p) Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom clean lead

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

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

Temp. Surf. { 53° Time 2:23 } Air { 63°  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_

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

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

Baromet. 30.21 Amt. of Clouds 10 State of Sea L.

Weather 0

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

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Grays Harbor Light bears S 83° E (true)

Chart used: No. 6400 distant 32.8 miles  
Ed'n 31.9

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

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

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

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

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

Deck Officer W. C. ... Recorder ...

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

2 19 50 ✓ 21 40  
 2 20 20 ✓ 20 25

93100

- 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

(12)

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_ 24, 1910  
Hydrog. } \_\_\_\_\_

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

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

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

Character of Bottom \_\_\_\_\_ gn. T. f. app.

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

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

Temp. Surf. { 53° Time 2:35 P. } Air { 63°  
Time \_\_\_\_\_

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

Wind: Direction \_\_\_\_\_ WNW Force \_\_\_\_\_ 3-4

Baromet. 30.21 Amt. of Clouds 10 State of Sea \_\_\_\_\_

Weather \_\_\_\_\_ 0

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

Tide \_\_\_\_\_

General Locality \_\_\_\_\_ off Washington coast

Position \_\_\_\_\_ Gray Harbor light bears S 8 1/2° E (true) distant 33.0 miles  
Chart used: No. 6400 Ed'n \_\_\_\_\_ 32.5

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.

23125 23330

23200 23205 93

- 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. 311 Date, , 19

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth 92 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M. S. for G. for

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53.0 Time 2:48 } Air { 63.0

Density: Surf. fms.

Wind: Direction WNW Force 3-4

Baromet. 30.31 Amt. of Clouds 10 State of Sea 2

Weather overcast.

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington coast

Position Gray Harbor Light bears S 80° E (true)

Chart used: No. 6400 distant 33.6 miles

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. G. Recorder

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

| SOUNDING WIRE. |     |         | DREDGING CABLE. |     |                |
|----------------|-----|---------|-----------------|-----|----------------|
| M. Down.       | Up. | F. M.   | M. Down.        | Up. | M.             |
| 2 43           | 20  | 2 46 30 |                 |     | 0              |
| 2 43           | 45  | 2 45 00 |                 |     | <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           |

(14)  
Dredge } No. 5 Date, \_\_\_\_\_, 1902  
Hydrog. }

Sdg. Mch. \_\_\_\_\_ Reel 18' 60 Shot Leads 30 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 91 fms.

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

Character of Bottom 67 M. 6' 1/2' of shal. on 10' 1/2' of M.

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

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

Temp. Surf. { 53° Time 3:00 } Air { 62°  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

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

Wind: Direction WNW Force 3

Baromet. 30.30 Amt. of Clouds 10 State of Sea M

Weather 0

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

Tide \_\_\_\_\_

General Locality Off Washington coast

Position Gray's Harbor Light bears S 78 1/2° E (true)

Chart used: No. 6400 distant 34.1 miles

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

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

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

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

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

Deck Officer Mr. Glick Recorder F. A. T. H. P.

| SOUNDING WIRE. |     | FMS.  | DREDGING CABLE. |          |     |    |
|----------------|-----|-------|-----------------|----------|-----|----|
| P.M. Down.     | Up. |       | P.M.            | M. Down. | Up. | M. |
| 2 56 30        | 2   | 58 35 |                 |          |     |    |
| 2 57 00        | 1   | 57 25 | 91              | 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. \_\_\_\_\_ Date, \_\_\_\_\_, 19 \_\_\_\_\_  
Hydrog. }

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 8.6 fms.

Sdg. Cup *Samung (off sample)* Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom *G. b. T. M. S. S. S.*

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

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

Temp. Surf. { 53° Time *3:12 P.* } Air { 62°  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

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

Wind: Direction *WNW* Force *3*

Baromet. *30.50* Amt. of Clouds *10* State of Sea *M*

Weather *0*

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

Tide \_\_\_\_\_

General Locality *Off Washington coast*

Position *Grays Harbor light bears S 77° E (true)*

Chart used: No. *6400* distant *34.8 miles*  
Ed'n *34.3*

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

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

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

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

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

Deck Officer *J. T. G. ...* Recorder *...*

SOUNDING WIRE.

FMS.

DREDGING CABLE.

*P.* M. DOWN. | Up. | *P.* M.

--- M. DOWN. | Up. | --- M.

*3* 08 00 | *3* 10 00  
*3* 09 35 | *3* 08 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

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

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth \_\_\_\_\_ 89 fms.

Sdg. Cup *Remondet's* Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom *gt M Co gn M fine gy s*

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

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

Temp. Surf. { *53°* Time *3:24 P* } Air { *62°*  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

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

Wind: Direction *WNW* Force *3-4*

Baromet. *30.30* Amt. of Clouds *9* State of Sea *2*

Weather *bc*

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

Tide \_\_\_\_\_

General Locality *off Washington coast*

Position *Gray Harbor Light bears S 76° E (true)*  
*distant 35.6 miles*

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

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

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

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

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

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

Deck Officer *Mr. Glick* Recorder *Stratton*

| SOUNDING WIRE. |    |     |       |    | FMS. | DREDGING CABLE. |     |    |
|----------------|----|-----|-------|----|------|-----------------|-----|----|
| M. Down.       |    | Up. | P. M. |    |      | M. Down.        | Up. | M. |
| 3              | 21 | 00  | 3     | 23 | 00   |                 |     |    |
| 3              | 21 | 40  | 3     | 21 | 15   | 88              |     |    |
|                |    |     |       |    |      | 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            |     |    |

17

Hydrog. } No. 5746 Date, July 24, 1915

Sdg. Mch. Electric Reel E.L. Shot/Lead 30 lbs.

Turns ----- Cor'n ----- Depth 96 fms.

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

Character of Bottom Co. G. M.

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

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

Temp. Surf. { 53° Time 3:38 } Air { 62°  
                  { ----- Time ----- } -----

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

Wind: Direction WNW Force 3-4

Baromet. 30.30 Amt. of Clouds 9 State of Sea 7

Weather bc

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

Tide -----

General Locality off Washington coast

Position Gray's Harbor Light bears S 78 1/2° E (true) distant 36.7 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 Mr. G. E. Recorder Stratton

| SOUNDING WIRE. |     |       | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|-------|------|-----------------|-----|----|
| B.M. Down.     | Up. | A. M. |      | M. Down.        | Up. | M. |
| 3 34 20        | 3   | 36 15 | 0    |                 |     |    |
| 3 34 55        | 3   | 35 00 | 100  |                 |     |    |
|                |     |       | 200  |                 |     |    |
|                |     |       | 300  |                 |     |    |
|                |     |       | 400  |                 |     |    |
|                |     |       | 500  |                 |     |    |
|                |     |       | 600  |                 |     |    |
|                |     |       | 700  |                 |     |    |
|                |     |       | 800  |                 |     |    |
|                |     |       | 900  |                 |     |    |
|                |     |       | 1000 |                 |     |    |
|                |     |       | 1100 |                 |     |    |
|                |     |       | 1200 |                 |     |    |
|                |     |       | 1300 |                 |     |    |
|                |     |       | 1400 |                 |     |    |
|                |     |       | 1500 |                 |     |    |
|                |     |       | 1600 |                 |     |    |
|                |     |       | 1700 |                 |     |    |
|                |     |       | 1800 |                 |     |    |
|                |     |       | 1900 |                 |     |    |
|                |     |       | 2000 |                 |     |    |
|                |     |       | 2100 |                 |     |    |
|                |     |       | 2200 |                 |     |    |
|                |     |       | 2300 |                 |     |    |
|                |     |       | 2400 |                 |     |    |
|                |     |       | 2500 |                 |     |    |
|                |     |       | 2600 |                 |     |    |
|                |     |       | 2700 |                 |     |    |
|                |     |       | 2800 |                 |     |    |
|                |     |       | 2900 |                 |     |    |
|                |     |       | 3000 |                 |     |    |
|                |     |       | 3100 |                 |     |    |
|                |     |       | 3200 |                 |     |    |
|                |     |       | 3300 |                 |     |    |
|                |     |       | 3400 |                 |     |    |
|                |     |       | 3500 |                 |     |    |
|                |     |       | 3600 |                 |     |    |
|                |     |       | 3700 |                 |     |    |
|                |     |       | 3800 |                 |     |    |
|                |     |       | 3900 |                 |     |    |
|                |     |       | 4000 |                 |     |    |
|                |     |       | 4100 |                 |     |    |
|                |     |       | 4200 |                 |     |    |
|                |     |       | 4300 |                 |     |    |
|                |     |       | 4400 |                 |     |    |
|                |     |       | 4500 |                 |     |    |
|                |     |       | 4600 |                 |     |    |
|                |     |       | 4700 |                 |     |    |
|                |     |       | 4800 |                 |     |    |
|                |     |       | 4900 |                 |     |    |

18 5950

Dredge Hydrog. No. 5947 Date, July 24, 1915

Sdg. Mch. Electric Reel E.L. Shot Lead 30 lbs.

Turns Cor'n Depth 147 fms.

Sdg. Cup Arrin (S+ S) Amt. Bot'm Sample

Character of Bottom fine G. S. G. fine q.s., green shell

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53.0 Time 3:52 P } Air { 62.0

Density: Surf. fms.

Wind: Direction WNW Force 3-4

Baromet. 30.20 Amt. of Clouds 9 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington coast

Position Gray Harbor Light bears S 74 1/2 E (true) distant 37.5 miles

Chart used: No. 6400 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Remarks: Fine G. S., just on going to home in. Time towing h. m.

Deck Officer Mr. Gluck Recorder Strickland

| SOUNDING WIRE. |     |      |   |    | FMS. | DREDGING CABLE. |     |    |
|----------------|-----|------|---|----|------|-----------------|-----|----|
| P.M. Down.     | Up. | P.M. |   |    |      | M. Down.        | Up. | M. |
| 3              | 46  | 45   | 3 | 51 | 35   |                 |     |    |
|                | 47  | 40   | 3 | 49 | 40   | 147             |     |    |
|                |     |      |   |    | 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 |                 |     |    |



(109)  
Hydrog. } No. 5948 Date, July 24, 1915  
Sdg. Mch. Electric Reel 3 Shot/Lead 30 lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 240 fms.

Sdg. Cup Armin (off line) Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom No bottom  
Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_                { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
Temp. Surf. { 53 Time 4:11 } Air { 62 }  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }                { \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
Wind: Direction W-N-W Force 4  
Baromet. 30.00 Amt. of Clouds 8 State of Sea 1  
Weather bc

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

Tide \_\_\_\_\_

General Locality off Washington coast

Position Gray Harbor Light bears S 73° E (true) distant 3.3 miles  
Chart used: No. 6400 Ed'n 3607

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

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

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

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

Remarks The bottom at 246 fms

Deck Officer M. H. H. Recorder Parker  
11-1023

SOUNDING WIRE.

DREDGING CABLE.

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

4 11 5  
4 26 1 7 00

FMS.

M. Down. Up. M.

- 0
- 246 100
- 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. 249 Date, July 24, 1915  
Hydrog. }

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 242 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 7:10 } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }                    { \_\_\_\_\_

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

Wind: Direction W-N-W Force 4

Baromet. 30.28 Amt. of Clouds 0 State of Sea 2A

Weather \_\_\_\_\_

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

Tide \_\_\_\_\_

General Locality Off Washington Coast

Position Grays Harbor Light bears  $57\frac{1}{2}^{\circ}$  E (true) distant 3.3 miles

Chart used: No. 6400 Ed'n 369

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

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

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

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

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

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

SOUNDING WIRE.

|                   |     |             |
|-------------------|-----|-------------|
| <i>P</i> M. DOWN. | UP. | <i>P</i> M. |
|-------------------|-----|-------------|

FMS.

DREDGING CABLE.

|          |     |    |
|----------|-----|----|
| M. DOWN. | UP. | M. |
|----------|-----|----|

*4* | *23* | *22* | *4*

- 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. 59 Date, \_\_\_\_\_, 19\_\_\_\_  
Hydrog. }  
Sdg. Mch. (Lucas) Reel \_\_\_\_\_ Shot/Lead \_\_\_\_\_ 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. { \_\_\_\_\_ Time 4:43 } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }                 { \_\_\_\_\_

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

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

Baromet. 30.27 Amt. of Clouds 8 State of Sea M

Weather \_\_\_\_\_

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

Tide \_\_\_\_\_

General Locality Off Washington coast

Position Gray's Harbor Light bears S 70 1/2° E (true) distant 36.5 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. | P. 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 |                 |     |    |



## SOUNDING WIRE.

| P | M. Down. | Up. | M. |
|---|----------|-----|----|
| 4 | 52       | 53  |    |
| 4 | 53       | 22  |    |

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. *775* Date, *July 24*, 19*11*  
Hydrog. }

Sdg. Mch. \_\_\_\_\_ Reel *11:11* Shot } lbs.  
Lead }

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *88* fms.

Sdg. Cup *7 (muddy shell)* Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom *(muddy S)*

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

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

Temp. Surf. { *30* Time *5:11 P* } Air { \_\_\_\_\_  
Time \_\_\_\_\_ }

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

Wind: Direction *W-N-W* Force *4*

Baromet. *30.06* Amt. of Clouds *0* State of Sea *M*

Weather \_\_\_\_\_

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

Tide \_\_\_\_\_

General Locality *off Washington coast*

Position *Gray Harbor Light bears S68°E (true) distant 36.0 miles.*

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

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

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

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

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

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

Deck Officer *W. Steffy* Recorder *Smith*

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

5 07 10 | 5 09 25

5 07 45 | 5 08 00 88

|  |      |
|--|------|
|  | 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. 5 Date, \_\_\_\_\_, 19\_\_\_\_  
Hydrog. }  
Sdg. Mch. *Coleman* Reel *Cole* Shot } lbs.  
Lead }

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth *87* fms.

Sdg. Cup *Flaming soft cap* Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom *gy S*

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

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

Temp. Surf. { *52.0* Time *5.24 P* } Air { *63.0*  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

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

Wind: Direction *WNW* Force *4*

Baromet. *30.26* Amt. of Clouds *8* State of Sea *T*

Weather *bcz*

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

Tide \_\_\_\_\_

General Locality *Off Washington coast*

Position *Gray's Harbor Light bears S 67° E (true) distant 3.0 miles*

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

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

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

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

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

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

Deck Officer *[Signature]* Recorder *[Signature]*  
11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

5 20 40 5 20 50  
 5 21 25 5 21 10

- 0
- 87 400
- 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

Dredg. } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_\_\_  
 Hydrog. }  
 Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot \_\_\_\_\_ lbs.  
 Lead \_\_\_\_\_  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 91 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 Time 5:38 } Air { 63°  
 { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_  
 Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
 Wind: Direction W. x S Force 4  
 Baromet. 30.26 Amt. of Clouds 8 State of Sea 7  
 Weather B. c.  
 Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_  
 Tide \_\_\_\_\_

General Locality Off Washington Coast  
 Position Grays Harbor Light bears  $66\frac{1}{4}^{\circ}$  S  $66\frac{1}{2}^{\circ}$  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 Mr. Shapley Recorder \_\_\_\_\_  
 11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

| M. Down.  | Up.      | M. |
|-----------|----------|----|
| 5' 35' 17 | 5' 3' 58 |    |
| 3' 35' 47 | 3' 3' 5  |    |

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

5' 35' 17    5' 3' 58  
 3' 35' 47    3' 3' 5

- 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

(26)

Dredge } No. 0-1 Date, / / 19 /  
Hydrog. }  
Sdg. Mch. Electric Reel Shot Leads lbs.  
Turns Cor'n Depth 95 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 Time 5:51 } Air { 62  
                  {                    {                    {

Density: Surf. fms.

Wind: Direction W x S Force 4

Baromet. 30:22 Amt. of Clouds 8 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 38.8 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

SOUNDING WIRE.

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

5 47 50 | 5 48 00

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





SOUNDING WIRE.

FMS.

DREDGING CABLE.

P M. DOWN. | Up. P M.

M. DOWN. | Up. M.

60043 6575  
651 18 = 0121

105 ~~400~~

- 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. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_

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

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 217 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 6:23 } Air { 62  
                  { \_\_\_\_\_ Time \_\_\_\_\_ } \_\_\_\_\_

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

Wind: Direction W x S Force 3-4

Baromet. 30.28 Amt. of Clouds 10 State of Sea A

Weather Bca

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

Tide \_\_\_\_\_

General Locality Off Washington coast

Position Gray Harbor Light bears S 64° E (true) distant 4.0 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.

FMS.

DREDGING CABLE.

P. M. DOWN. | UP. | P. M.

M. DOWN. | UP. | M.

6 17 13 (12) 12  
 6 18 38 (12) 12

- 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



| SOUNDING WIRE. |         |    | FMS.              | DREDGING CABLE. |     |    |
|----------------|---------|----|-------------------|-----------------|-----|----|
| M. Down.       | Up.     | M. |                   | M. Down.        | Up. | M. |
| 1 07 30        | 1 08 45 |    | 0                 |                 |     |    |
| 1 08 10        | 1 08 15 |    | 96 <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. 5762 Date, July 26, 1915  
Hydrog. }  
Sdg. Mch. Electric Reel E.L. Amt. Lead 30 lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 162 fms.

Sdg. Cup (Muir's) Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom (Mud) fine S. co. S.

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

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

Temp. Surf. { 52.0 Time 1:28 A } Air { 60.0  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }     { \_\_\_\_\_

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

Wind: Direction S. by E Force 2

Baromet. 30.14 Amt. of Clouds 10 State of Sea 1

Weather om

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

Tide \_\_\_\_\_

General Locality off Washington coast

Position Grays Harbor Light bears S 62° E (true) distant 32.2 miles  
Chart used: No. 6400 Ed'n 367

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

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

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

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

Remarks:

Deck Officer W. C. \_\_\_\_\_ Recorder F. M. \_\_\_\_\_  
11-1023

SOUNDING WIRE.

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

/ 21 20 / 25 20  
/ 23 30 / 23 30

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



(3)  
 Dredge Hydrog. No. 5763 Date, July 26, 1915  
 Sdg. Mch. Electric Reel El. <sup>Shot</sup> 30 lbs. <sub>Lead</sub>  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 74 fms.  
 Sdg. Cup \_\_\_\_\_ (Sdg. Sample) Int. Bot'm Sample 200  
 Character of Bottom 200 Bottom

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

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

Temp. Surf. { 52.0 Time 1:44 } Air { 60  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_

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

Wind: Direction S by E Force 2

Baromet. 30.12 Amt. of Clouds 10. State of Sea I.

Weather om

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

Tide \_\_\_\_\_

General Locality off Washington coast

Position Grays Harbor Light bears <sup>60 1/2</sup> S 61° E (true) distant 37.2 miles

Chart used: No. 6400 Ed'n 3500

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

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

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

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

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

Deck Officer Mr. Cassin Recorder \_\_\_\_\_

SOUNDING WIRE.

DREDGING CABLE.

FMS.

10 M. Down. | Up. | 2 M.

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

|   |    |    |   |    |    |      |
|---|----|----|---|----|----|------|
| 1 | 38 | 40 | 1 | 42 | 10 | 0    |
| 1 | 40 | 40 | 1 | 40 | 45 | 140  |
|   |    |    |   |    |    | 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 |

④  
Bred. in } No. 5964 Date, July 26, 1915  
Hydrog. }  
Sdg. Mch. Electric Reel F-1 Shot/Lead 30 lbs.  
Turns ----- Cor'n ----- Depth ~~77~~ fms.  
Sdg. Cup ~~Drum~~ Amt. Bot'm Sample 200  
Character of Bottom ~~S. M.~~

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

Bottom Reading ----- Cor'd Temp. -----  
Temp. Surf. { Time ----- } Air { 60°  
                  { Time ----- }

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

Wind: Direction Strong E Force 1-2

Baromet. 30.13 Amt. of Clouds 10 State of Sea L

Weather sm

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

Tide -----

General Locality Off Washington coast

Position Grays Harbor Light bears S 59° E (true)

Chart used: No. 6400 distant 38.7 miles  
Ed'n 37.0

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

Depth of Haul -----

Apparatus and Rig used -----

Remarks: Checked  
Time towing h. m.  
Remarks: -----

Deck Officer Mc. Cassidy Recorder Smith  
11-1023

| SOUNDING WIRE. |    |     |    |    |    | FMS. | DREDGING CABLE. |     |    |
|----------------|----|-----|----|----|----|------|-----------------|-----|----|
| M. Down.       |    | Up. | M. |    |    |      | M. Down.        | Up. | M. |
| 1              | 53 | 40  | 1  | 58 | 15 | 0    |                 |     |    |
| 1              | 55 | 00  | 1  | 55 | 20 | 100  |                 |     |    |
|                |    |     |    |    |    | 197  |                 |     |    |
|                |    |     |    |    |    | 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 |                 |     |    |

$$\begin{array}{r}
 58.00 \\
 \underline{12} \\
 46 \\
 \underline{42} \\
 639.00 \\
 97 \\
 \hline
 1735.00 \\
 \underline{240} \\
 1975 \quad | \quad 12 \\
 \underline{12}
 \end{array}$$

$$\begin{array}{r}
 48 \\
 \underline{12} \\
 36 \\
 \underline{41} \\
 576 \\
 12 \\
 \underline{20} \\
 240
 \end{array}$$

$$\begin{array}{r}
 576 \\
 1200 \\
 \underline{240} \\
 2016 \quad | \quad 12 \\
 \underline{12} \\
 81 \\
 \underline{72} \\
 96 \\
 \underline{96}
 \end{array}
 \quad
 \begin{array}{r}
 168 = \\
 \underline{52} \\
 118 \\
 \underline{30} \\
 88
 \end{array}$$

$$\begin{array}{r}
 77 \\
 \underline{72} \\
 55 \\
 \underline{41} \\
 70 \\
 \underline{60} \\
 100 \\
 \underline{96}
 \end{array}$$

$$\begin{array}{r}
 1975 \\
 \underline{200} \\
 2175 \quad | \quad 12 \\
 \underline{12} \\
 97 \\
 \underline{96} \\
 15
 \end{array}$$

$$\begin{array}{r}
 5000.00 \quad | \quad 80 \\
 \underline{480} \\
 200 \\
 \underline{160} \\
 4400 \\
 \underline{4000} \\
 400
 \end{array}
 \quad
 \begin{array}{r}
 6250 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 5000 \\
 \underline{70} \\
 350 \quad | \quad 12 \\
 \underline{36} \\
 30
 \end{array}$$

$$\begin{array}{r}
 12 \\
 \underline{72} \\
 840
 \end{array}$$

$$\begin{array}{r}
 5000.00 \quad | \quad 70 \\
 \underline{490} \\
 100 \\
 \underline{70} \\
 300 \\
 \underline{280} \\
 200 \\
 \underline{180} \\
 80
 \end{array}
 \quad
 \begin{array}{r}
 7142 \quad | \quad 12 \\
 \underline{60} \\
 114 \\
 \underline{108} \\
 60 \\
 \underline{60} \\
 0
 \end{array}
 \quad
 595$$

$$\begin{array}{r}
 5000.00 \quad | \quad 720 \\
 \underline{4320} \\
 6800 \\
 \underline{6480} \\
 3200
 \end{array}
 \quad
 \begin{array}{r}
 694
 \end{array}$$

$$\begin{array}{r}
 12 \\
 \underline{80} \\
 960
 \end{array}$$

$$\begin{array}{r}
 5000.00 \quad | \quad 840 \\
 \underline{4200} \\
 8000 \\
 \underline{7560} \\
 4400 \\
 \underline{4200} \\
 200
 \end{array}
 \quad
 \begin{array}{r}
 595
 \end{array}$$

$$\begin{array}{r}
 154.49 \\
 \underline{280} \\
 149 \overline{)60} \\
 \underline{146} \phantom{0} \\
 29
 \end{array}$$

$$\begin{array}{r}
 1-54-49 \\
 \phantom{1-54-}80 \\
 \hline
 1-53-69 \overline{)6}
 \end{array}$$

$$\begin{array}{r}
 97 \\
 \underline{77} \\
 20
 \end{array}$$

$$\begin{array}{r}
 27 \overline{)2} \\
 \underline{17} \phantom{0} \\
 10 \phantom{0} \\
 \underline{10} \\
 0
 \end{array}$$

10 45 08