Hydro. 5711-5758

Sept. 2 - 5, 1914

Hydro. 5711-5758

Sept. 2-5, 1914

11

~~Dredge~~ Hydrog. No. 5710 Date, Sept 2, 19 14

Sdg. Mch. TN Reel TN Shot Leads 32 lbs.

Turns Cor'n Depth 42 fms.

Sdg. Cup Gaming Amt. Bot'm Sample

Character of Bottom Grey Sand & Hard Pan

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

Bottom Reading Cor'd Temp.

Temp. Surf. 49 Time 11.33 Time Air 56

Density: Surf. fms.

Wind: Direction SE Force 1

Barom. 30.15 Amt. of Clouds 10 State of Sea 6

Weather OC

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position Yaquina Light bears N 45° E (true) distant 19.8 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Warlick Recorder C A Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A	M. DOWN.		UP.	A	M.		M. DOWN.			UP.		M.
11	33	-	11	35		0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4800						
						4900						

12

~~Dredge~~ Hydrog. No. 5711 Date, Sept 2, 1914

Sdg. Mch. T N Reel T N ~~Shot~~ Lead 32 lbs.

Turns Cor'n Depth 42 fms.

Sdg. Cup Erming Amt. Bot'm Sample

Character of Bottom Grey Sand

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

Bottom Reading Cor'd Temp.

Temp. Surf. 49 Time 11.45 Time Air 56

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.15 Amt. of Clouds 10 State of Sea 6

Weather OC

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position Yaquina Light bears N42°E (true) distant 19.9 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer McGlinck Recorder C K Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A	M.	Down.		Up.	M.		M.	Down.		Up.	M.	
11	45		11	46	30	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4800						
						4900						

13

Dredge / Hydrog. No. 5712 Date, Sept 2, 1914

Sdg. Mch. TR Reel TR Shot / Lead 32 lbs.

Turns 79 Cor'n Depth 42 fms.

Sdg. Cup army Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time / Time Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.15 Amt. of Clouds 10 State of Sea G

Weather O.

Direction and Force of Current. Surface / Bottom

Tide

General Locality Oregon Coast

Position Yaquina Light bears N 39° E (true) distant 20.0 miles

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			---- M. Down.			Up.	---- M.	
11	55	40	11	57	20	0						
11	56	15	11	56	25	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4800						
						4900						

14.

Dredge / Hydrog. No. 5713 Date, Sep. 2d, 1914

Sdg. Mch. IN Reel IN Shot / Lead 32 lbs.

Turns 5 Cor'n Depth 29 fms.

Sdg. Cup Forming. Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time / Time Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.15 Amt. of Clouds 10 State of Sea G

Weather Cy.

Direction and Force of Current. Surface / Bottom

Tide

General Locality Oregon Coast.

Position Yaquina Light bears N53°E (true) distant 5.8 miles

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder Smith

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M. Down.			Up.		---- M.		---- M. Down.			Up.		---- M.
1	43	00	1	44	55	0						
1	44	10	1	44	25	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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15.

Dredge / Hydrog. No. 5714 Date, Sep. 2d 1914

Sdg. Mch. TN Reel TN Shot / Lead 32 lbs.

Turns 6v Cor'n Depth 33 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time / Time Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.15 Amt. of Clouds 9 State of Sea

Weather bcy

Direction and Force of Current. Surface / Bottom

Tide

General Locality Oregon Coast

Position Yaquina Light bears N62°E (true) distant 6.4 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Oyster dredge: 150 f sinker, 4 glass floats.

Time towing h. 17.5 m.

Remarks: Towed 17½ min. with 100 fms. cable out.

Deck Officer Mc. Mahon Recorder

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			A. M.	Down.		Up.	P. M.	
1	57	00	1	58	30	0	2	02	00	2	31	00
1	57	50	1	57	53	33) 100	2	09	00	2	26	30
						200						
						300						
						400						
						500						
						600						
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						4900						

16.

~~Dredge~~ / Hydrog. No. 5715 Date, Sep. 2, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ / Lead 3.Y lbs.

Turns 72 Cor'n Depth 4Y fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom co. gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.16 Amt. of Clouds 3 State of Sea G.

Weather Ugz.

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position Yaquina Light bears N 77½ E (true) distant 8.0 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Agassiz 9-ft trawl: 150# Sinker; 2 wing-vts.; 1 tail-vt., 3 glass float

Time towing h. 19 m.

Remarks: Towed 19 min. & 120 fms. cable

Deck Officer Mr. Mahoney Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P M.			A M.	Down.		Up.	P M.	
2	59	55	3	01	30	0	3	01	30	3	30	00
3	00	10	3	00	15	100	3	05	30	3	26	00
						170 ~~200~~	3	06	00	3	25	00
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						4600						
						4700						
						4800						
						4900						

17.

~~Dredge~~ Hydrog. No. 5716 (P) Date, Sep. 2, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns 63 Cor'n Depth 34 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gry. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 4:20 P / Time } Air { 57° / }

Density: Surf. fms.

Wind: Direction SE Force 2

Baromet. 30.16 Amt. of Clouds 6 State of Sea 6

Weather hazy

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position Yaquina Light bears S84°E (true) distant 5.1 miles

Chart used: No. 6002 Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 9' Agassiz trawl, 16 lb sinker, 2 trimming weights, 1 tail weight, 3 glass floats.

Time towing h. m.

Remarks: Towed 17 min. with 170 fath cable.

Deck Officer Mr Pippo Recorder C E McLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		P. M. Down.			Up.		P. M.
4	06	30	4	07	45	0	4	08	45	4	35	40
4	04	50	4	07	05	100	4	11	15	4	32	00
						~~200~~ 170	4	12	20	4	29	20
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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18

~~Dredge~~ / Hydrog. No. 5717 Date, Sept. 2, 1914

Sdg. Mch. T.N. Reel T.N. ~~Shot~~ / Lead 32 lbs.

Turns 5-4 Cor'n Depth 28 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 5:36P / Time Air 58°

Density: Surf. fms.

Wind: Direction S.E. Force 1-2

Baromet. 30.14 Amt. of Clouds 7 State of Sea S.

Weather hzy.

Direction and Force of Current. Surface / Bottom

Tide

General Locality

Position Yaquina Light bears S80°E (true) distant 2.8 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Oyster dredge, 2 trimming weights, 4 glass floats, 150# sinker

Time towing h. m.

Remarks: Sheave at lower end of boom failed to turn at times. Towed for 15 min with 100 fath cable

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

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P	M.		P M.	Down.		Up.	P	M.
5	04	05	5	05	10	0	5	08	50	5	35	00
5	07	25	5	04	40	100	5	14	55	5	30	00
						200						
						300						
						400						
						500						
						600						
						700						
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19.

~~Dredge~~ Hydrog. No. 5-718 Date, Sept 2, 1914

Sdg. Mch. T. N. Reel T. N. ~~Shot~~ Lead 32 lbs.

Turns 61 Cor'n Depth 33 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56.4° Time 6:10 P Time Air 55.2°

Density: Surf. fms.

Wind: Direction S.E. Force 1-2

Baromet. 30.14 Amt. of Clouds 4 State of Sea G.

Weather Hzy.

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Yaquina Light bears N 75° E (true) distant 40 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Oyster dredge, 2 trimming weights, 4 glass floats, 15-0# sinker

Time towing h. 15-1/3 m.

Remarks: Towed for 15 1/3 min with 120 fath cable.

Deck Officer Mr Pajpe Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
5	5-2	20	5-	5-3	40	0	5-	5-4	20	6	20	20
5-	5-2	40	5-	5-3	00	100	5-	5-9	5-0	6	16	5-0
						~~200~~ 120	6	00	40	6	16	00
						300						
						400						
						500						
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						4900						

1

~~Dredging~~ Hydrog. No. 5719 Date, Feb 3, 1914

Sdg. Mch. TN Reel TN Shot Lead 39 lbs.

Turns ____ Cor'n ____ Depth ____ fms.

Sdg. Cup Arming Amt. Bot'm Sample ____

Character of Bottom Grey Sand

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 51 Time 5.44 ; ____ Time ____ Air 52

Density: Surf. ____ ____ fms.

Wind: Direction SE Force 2

Baromet. 30.20 Amt. of Clouds 8 State of Sea 4

Weather bcf

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality Oregon Coast

2 Position Yaquina Light bears N75°E (true) distant 4.0 miles

Chart used: No. 6000 Ed'n ____

Drift: Direction ____ Distance ____

Depth of Haul ____

Apparatus and Rig used ____

Time towing ____ h. ____ m.

Remarks: ____

Deck Officer McGlick Recorder C A Cook

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A	M. Down.		Up.	A	M.			M. Down.		Up.		M.
5	44		5	46		0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4700						
						4800						
						4900						

Dep. Y. H. L. 84° Dist. 5.2 m

2 - 6 = 270° 1 m inter

7 - 40° 3.3 m
8 - 34° 2.5 "
9 - 351° 4. m
10 - 39° 5. "
11 - " 3.9 "
12 - 359° 1.5 "
13 - " 1 m
14 - 352° 2 m
15 - 81° 2.3 "
16 - 201° 2.9 "
17 - 349-15 - 4.2 "
18 - 337-45 - 7.1 "
19 - 348 5.4 "

Set NW
oyster
"
"
"

SSSS

✓

~~Dredge~~ Hydrog. No. 5720 Date, Sept 3, 1940

Sdg. Mch. TN. Reel TN ~~Shot~~ Lead 32 lbs.

Turns Cor'n Depth 40 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom Fine Grey Sand

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

Bottom Reading Cor'd Temp.

Temp. Surf. 51 Time 606 Time Air 52

Density: Surf. fms.

Wind: Direction SE Force 2

Baromet. 30.20 Amt. of Clouds 8 State of Sea 6

Weather bCf

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position Yaquina Light bears N85°E (true) distant 6.5 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer McGlick Recorder C L Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M.	DOWN.		UP.	A M.			___ M.	DOWN.		UP.		___ M.
6	06		6	08		0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4900						

B

Dredge / Hydrog. No. 5721 Date, Sept 3, 1914

Sdg. Mch. T N Reel T N Shot Lead 32 lbs.

Turns Cor'n Depth 38 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom Grey Sand

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

Bottom Reading Cor'd Temp.

Temp. Surf. 51 Time 6.24 Time Air 52

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.20 Amt. of Clouds 8 State of Sea 9

Weather fcf

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Court

Position Yaquina Light bears N85½°E (true) distant 7.5 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Warbrick Recorder Clark

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M.	DOWN.		UP.	A M.			M.	DOWN.		UP.	M.	
6	24		6	25	30	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

4

Dredge / Hydrog. No. 5727 Date, Sept 3, 1910

Sdg. Mch. T N Reel T N Shot / Lead 32 lbs.

Turns ____ Cor'n ____ Depth 47 fms.

Sdg. Cup Arming Amt. Bot'm Sample ____

Character of Bottom Grey Sand

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 52 Time 6.41 Time ____ Air 52

Density: Surf. ____ ____ fms.

Wind: Direction SE Force 1

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

Weather bcf

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality Oregon Coast

Position Yaquina Light bears N 86° E (true) distant 8.5 miles

Chart used: No. 6000 Ed'n ____

Drift: Direction ____ Distance ____

Depth of Haul ____

Apparatus and Rig used ____

Time towing ____ h. ____ m.

Remarks: ____

Deck Officer Mr Flick Recorder A Clark

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	DOWN.		UP.	4	M.		---- M.	DOWN.		UP.		---- M.
6	41		6	43		0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
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						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

Dredge / Hydrog. No. 5723 Date, Sept 3, 19 12

Sdg. Mch. T N Reel T N Shot Lead 32 lbs.

Turns ____ Cor'n ____ Depth 43 fms.

Sdg. Cup Arming Amt. Bot'm Sample ____

Character of Bottom Grey Sand

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 52 Time 6.59 Time ____ Air 52

Density: Surf. ____ fms.

Wind: Direction SE Force 1

Baromet. 30.21 Amt. of Clouds 9 State of Sea 6

Weather bcf

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality Oregon Coast

Position Yaquina Light bears N86½E (true) distant 9.5 miles

Chart used: No. 6000 Ed'n ____

Drift: Direction ____ Distance ____

Depth of Haul ____

Apparatus and Rig used ____

Time towing ____ h. ____ m.

Remarks: ____

Deck Officer McGlick Recorder C Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A	M. Down.		Up.	A	M.		___ M. Down.			Up.		___ M.
6	59		7	01		0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
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						2800						
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						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

6

Dredge / Hydrog. No. 57 W Date, Sept 3, 19 12

Sdg. Mch. T N Reel T N Shot / Lead 32 lbs.

Turns Cor'n Depth 45 fms.

Sdg. Cup Armeny Amt. Bot'm Sample

Character of Bottom Hard Pan -

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 52 / Time 7.18 / Time } Air { 52 }

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.21 Amt. of Clouds 9 State of Sea 4

Weather BC 7

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Court

Position Yaquina Light bears N87°E (true) distant 10.5 miles

Chart used: No. 6060 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Flick Recorder C Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A	M.	Down.	Up.	4	M.		----	M.	Down.	Up.	----	M.
7	17	30	7	19	–	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

7.

Dredge / Hydrog. No. 5725 Date, Sept 3, 19 14

Sdg. Mch. IN Reel IN Shot / Lead 32 lbs.

Turns 88 Cor'n Depth 48 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gyS

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction SE. Force 1

Baromet. 30.25 Amt. of Clouds 10 State of Sea G.

Weather of.

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position Yaquina Light bears S77°E (true) distant 8.7 miles

Chart used: No. 6800 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
57 M. Down.			Up. 57 M.				---- M. Down.			Up. ---- M.		
7	58	30	8	00	00	0						
7	59	00	7	59	05	48.) 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4000						
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						4500						
						4600						
						4700						
						4800						
						4900						

8.

~~Dredge~~ Hydrog. No. 5726 Date, Sep 3, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns 94 Cor'n Depth 50 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom fne gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time Time Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.25 Amt. of Clouds 10 State of Sea G.

Weather of

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position Yaquina Light bears S60½E(true) distant 8.0 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.	M.			---- M.	Down.		Up.	---- M.	
9	49	25	9	51	00	0						
9	50	00	9	50	05	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

9.

Dredge / Hydrog. No. 5727 Date, Sep 3, 19 14

Sdg. Mch. IN Reel IN Shot / Lead 32 lbs.

Turns 119 Cor'n Depth 65 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom fine grey S, slightly muddy

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.25 Amt. of Clouds 10 State of Sea G

Weather of

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position Yaquina Light bears S43½E (true) distant 10.8 miles

Chart used: No. 6600 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder [illegible]

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
ft M. Down.			Up.	ft M.			___ M. Down.			Up.	___ M.	
9	25	00	9	27	25	0						
9	26	10	9	26	15	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

10.

~~Dredge~~ Hydrog. No. 5728. Date, Sep 3, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns 98 1/2 Cor'n Depth 53 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.25 Amt. of Clouds 9 State of Sea 9

Weather Rn

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position Yaquina Light bears S 20½° E (true) distant 12.7 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
8 M. Down.			Up.	8 M.			___ M. Down.			Up.	___ M.	
10	05	30	10	07	15	0						
10	06	10	10	06	15	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						2800						
						2900						
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						3100						
						3200						
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						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

11.

~~Dredge~~ Hydrog. No. 5729 Date, Sep 3, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns 65 Cor'n Depth 35 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom Jy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.24 Amt. of Clouds 9 State of Sea 6

Weather lc

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position Yaquina Light bears S8°E (true) distant 15.0 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
9 M.	Down.		Up.	9	M.		---- M.	Down.		Up.		---- M.
10	42	40	10	43	50	0						
10	43	05	10	42	07	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						2800						
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						3200						
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						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

12.

Dredge / Hydrog. No. 5730 Date, Sep. 3, 1914

Sdg. Mch. TN Reel TN Shot / Lead 32 lbs.

Turns 79 Cor'n Depth 43 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.22 Amt. of Clouds 9 State of Sea G

Weather fg

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position Cape Kiwanda bears N 23½° E (true) distant 14.8 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mc Mahon Recorder Ansel

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.		M.		M.	Down.		Up.		M.
11	20	25	11	21	45	0						
11	20	50	11	20	05	43) 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

13. Set.

Dredge / Hydrog. No. 5731 Date, Sep 3, 1914

Sdg. Mch. TN Reel TN Shot / Lead 32 lbs.

Turns 84 Cor'n Depth 45 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 1:40 P Time Air 58°

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.22 Amt. of Clouds 8 to 6 State of Sea G

Weather Cr

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast.

Position Cape Kiwanda bears N 25½ E (true) distant 13.8 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Lowered

For'd dong at 11:32 – Hoisted at 2:12:40 P.

After " 11:32 – " " 2:08:40

Deck Officer Mr. Mahoney Recorder Fratis

at Merid: Mr Pippo C.E. Long

11—1023

Ekman Water Bottle

SOUNDING WIRE.						FMS.	~~DREDGING CABLE.~~					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
11	32	00	11	32	50	0	1	37	05	1	50	40
11	37	50	11	32	55	100	1	38	20	1	49	45
						200						
						300						
						400	Lowered to 75 fathoms					
						500						
						600						
						700	L: 46.0°			R: 45.8°		
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
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						4000						
						4100						
						4200						
						4300						
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						4800						
						4900						

14.

~~Dredge~~ Hydrog. No. 5732 Date, Sep. 3 d, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns 93 Cor'n Depth 50 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 12:10 P Time Air 58.5°

Density: Surf. fms.

Wind: Direction S.E. Force 2-3

Baromet. 30.21 Amt. of Clouds 8 State of Sea G

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position Cape Kiwanda bears N 31° E (true) distant 12.2 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Oyster dredge = 150 ft Sinker, 3 trimming orts., 4 glass floats.

Time towing h. 20½ m.

Remarks: Towed 20½ min with 200 fath cable

Deck Officer Mr. Mahoney Recorder Fruitt — C.E. DeLong

at Merid. Mr Pippo

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up. A. M.				A. M. Down.			Up. P. M.		
11	51	20	11	53	05	0	11	54	00	12	29	00
11	47	55	11	52	00	100	11	58	15	12	25	45
						200	12	01	00	12	21	30
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

15

~~Dredge~~ Hydrog. No. 5733 Date, Sept 3, 1914

Sdg. Mch. T.N. Reel T.N. ~~Shot~~ Lead 32 lbs.

Turns 60 Cor'n Depth 32 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 1:18 P Time Air 59°

Density: Surf. fms.

Wind: Direction S.E. Force 2-3

Baromet. 30.21 Amt. of Clouds 7 State of Sea G.

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Cape Kiwanda bears N 22° E (true) distant 10.5 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Oyster dredge; 3 glass floats, 3 trimming weights, 150# sinker.

Time towing h. 15 m.

Remarks: a small hole was torn in wire netting. Towed 15 min with 120 fath cable.

Deck Officer Mr. Pippo Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
12	49	40	12	51	10	0	12	52	40	1	16	10
12	50	05	12	50	12	100	12	56	10	1	13	20
						~~200~~ 120	12	56	50	1	12	50
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4000						
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						4700						
						4800						
						4900						

16

~~Dredge~~ Hydrog. No. 5734 Date, Sept 3, 1914

Sdg. Mch. D.M. Reel D.M. ~~Shot~~ Lead 32 lbs.

Turns 5-6 Cor'n Depth 30 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 2.40 P. Time Air 57°

Density: Surf. fms.

Wind: Direction S.E. Force 2

Baromet. 30.26 Amt. of Clouds 7 State of Sea G.

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Cape Kiwanda bears N 20½ E (true) distant 135 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Oyster dredge, 3 glass floats; 3 trimmings, weights; 15-0 th sinker

Time towing h. m.

Remarks:

Deck Officer Lt. Pipps Recorder C.E. Dewing

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M.	Down.		Up.		P.M.		P.M.	Down.		Up.		P.M.
2	28	10	2	29	30	0	2	30	45	2	54	25
2	28	35	2	28	50	100	2	34	40	2	51	10
						~~200~~ 120	2	35	10	2	50	40
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4000						
						4100						
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						4500						
						4600						
						4700						
						4800						
						4900						

17

~~Dredge~~ Hydrog. } No. 5735 Date, Sept 3, 1914

Sdg. Mch. T.N. Reel T.N. ~~Shot~~ Lead } 32 lbs.

Turns 78 Cor'n Depth 42 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time 3:45 P / Time } Air { 57°

Density: Surf. fms.

Wind: Direction Various Force 2

Baromet. 30.25 Amt. of Clouds 9 State of Sea G.

Weather bcz

Direction and Force of Current. { Surface / Bottom

Tide

General Locality Off Oregon Coast

Position Cape Kiwanda bears N 34° E (true) distant 10.1 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Oyster dredge; 150# sinker; 3 glass floats, 3 trimming weights

Time towing h. m.

Remarks:

Deck Officer Mr. Pippo Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M.	Down.		Up.	P. M.		P.	M.	Down.		Up.	P. M.
3	40	10	3	42	00	0	3	43	40	4	07	—
3	40	40	3	41	10	100	3	47	20	4	04	40
						~~200~~ 120	3	48	00	4	03	
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						4800						
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18

~~Dredge~~ / Hydrog. No. 576 Date, Sept 3, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ / Lead 32 lbs.

Turns ____ Cor'n ____ Depth 70 fms.

Sdg. Cup Arming Amt. Bot'm Sample ____

Character of Bottom Grey Sand

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. { 53 / ____ } Time { 5.03 / ____ } Air { 59 / ____ }

Density: Surf. ____ fms.

Wind: Direction SE Force 1

Baromet. 30.23 Amt. of Clouds 9 State of Sea 4

Weather HC

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

Tide ____

General Locality Oregon Coast

Position Cape Kiwanda bears N 77° E (true) distant 8.7 miles

Chart used: No. 6000 Ed'n ____

Drift: Direction ____ Distance ____

Depth of Haul ____

Apparatus and Rig used ____

Time towing ____ h. ____ m.

Remarks: ____

Deck Officer Mr Glick Recorder C Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M. Down.		Up.	P	M.		M. Down.			Up.		M.
5	03	-	5	05	30	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						4000						
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						4600						
						4700						
						4800						
						4900						

19

~~Dredge~~ Hydrog. No. 5737 Date, Sept 3, 19 14

Sdg. Mch. T N Reel T N ~~Shot~~ Leads 32 lbs.

Turns Cor'n Depth 77 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom Grey Mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53 / Time 5.47 / Time } Air { 59 / }

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.23 Amt. of Clouds 9 State of Sea 5

Weather OC

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position Cape Kiwanda bears S70°E (true) distant 10.0 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer McGlick Recorder A Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M.	Down.	Up.	P.	M.		___	M.	Down.	Up.	___	M.
5	47		5	49	30	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

1.

~~Dredge~~ Hydrog. No. 5738. Date, Sep 4, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns 87 Cor'n Depth 47 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time Time Air

Density: Surf. fms.

Wind: Direction S by W Force 1

Baromet. 30.25 Amt. of Clouds 10 State of Sea G

Weather ow

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M.	Down.		Up.	a M.			___ M.	Down.		Up.	___ M.	
5	11	30	5	13	00	0						
5	12	00	5	12	05	100						
						200						
						300						
						400						
Cape Mar[illegible] Lt. 66-45, dist 4.9 m						500						
						600						
2	-	10-30	-	2.4 m		700						
3	-	358°	-	3.	"	800						
4	-	"	-	3.		900						
5	-	18-30	-	1.		1000						
6	-	358°	-	1.		1100	Set NW					
7	-	16°	-	3.1		1200						
8	-	22°	-	2.4		1300						
9	-	333 ~~[illegible]~~	-	2.9		1400						
10	-	345-45	-	3.2		1500						
						1600						
11-12		332	-	1. m		1700	Rock					
						1800						
13		240°	-	2. m		1900						
14		340-30		1. m		2000	Set SE					
15		29-30		3.9		2100						
16		19°	-	4.3		2200						
17		337	-	4. m		2300						
18		344	-	4. m		2400						
19		"	-	4. m		2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
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						3900						
						4000						
						4100						
						4200						
						4300						
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						4700						
						4800						
						4900						

2.

Dredge / Hydrog. No. 5739 Date, Sep 4, 19 14

Sdg. Mch. TN Reel TN Shot / Lead 3Y lbs.

Turns 79 Cor'n Depth 43 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gn S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction SEy W Force 1

Baromet. 30.25 Amt. of Clouds 10 State of Sea G

Weather ow

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a	M.	Down.	Up.	a	M.		----	M.	Down.	Up.	----	M.
5	33	50	5	35	45	0						
5	34	25	5	34	10	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4000						
						4100						
						4200						
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						4500						
						4600						
						4700						
						4800						
						4900						

3.

~~Dredge~~ / Hydrog. No. 5740 Date, Sep 4, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ / Lead 32 lbs.

Turns 4 Cor'n Depth 44 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction S by W Force 1

Baromet. 30.26 Amt. of Clouds 10 State of Sea 9

Weather OW

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder Fritz

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M.	DOWN.		UP.	a M.			___ M.	DOWN.		UP.	___ M.	
6	04	30	6	06	00	0						
6	04	50	6	04	55	100						
						200						
						300						
						400						
						500						
						600						
						700						
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						4600						
						4700						
						4800						
						4900						

4.

~~Dredge~~ / Hydrog. No. 5741 Date, Sep 4, 19 04

Sdg. Mch. TX Reel TX ~~Shot~~ / Lead 32 lbs.

Turns 80 Cor'n Depth 44 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction S by W Force 1

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

Weather one

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mc Mahon Recorder [illegible]

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
4 M.	Down.		Up.	4	M.		___ M.	Down.		Up.		___ M.
6	24	05	6	26	15	0						
6	24	55	6	25	00	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						3900						
						4000						
						4100						
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						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

5.

~~Dredge~~ / Hydrog. No. 5742 Date, Sep 4, 19 14

Sdg. Mch. TK Reel TK ~~Shot~~ / Lead 32 lbs.

Turns 79 Cor'n Depth 42 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gn S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / Time } Air

Density: Surf. fms.

Wind: Direction SW Force 1

Baromet. 30.26 Amt. of Clouds 10 State of Sea 9

Weather cl

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
2 M.	Down.		Up.	2 M.			___ M.	Down.		Up.	___ M.	
6	35	30	6	37	25	0						
6	36	00	6	36	05	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4000						
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						4600						
						4700						
						4800						
						4900						

6. Set.

~~Dredge~~ Hydrog. No. 5743 Date, Sep. 4, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns 79 Cor'n Depth 43 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

Thermom. Make N.3 Cor'n Instr. No. L: 46.0° R: 45.5 Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 56.5° Time 7:10 a Time Air 58°

Density: Surf. fms.

Wind: Direction S by W Force 1

Baromet. 30.27 Amt. of Clouds 10 State of Sea G

Weather od

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position Cape Meares Light bears S 25° E (true) distant 9.4 miles

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Lowered

Fin'd drag at 6:49 - Hoisted at 9:30 am.

after " " 6:49:30 - " 9:26:30 a

Deck Officer Mr. Mahoney Mr Pippo Recorder [signature] C E DeLong

11—1023

Ekman Wire Rope.

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M.	Down.		Up.		A M.		A M.	Down.		Up.		A M.
6	47	00	6	49	58	0						
6	47	50	6	49	55	100	7	06	00	7	19	00
						200					16	00
						300						
						400						
						500						
						600						
						700						
Let go Messenger at 7:15 A						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
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						4900						

7

~~Dredge~~ / Hydrog. No. 5744 Date, Sep 4, 1914

Sdg. Mch. TK Reel TK ~~Shot~~ / Lead 32 lbs.

Turns 7 / Cor'n Depth 38 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom fine grey S

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 9:55a / Time } Air { 58° / }

Density: Surf. fms.

Wind: Direction SE x E Force 1

Baromet. 30. Amt. of Clouds 10 State of Sea G.

Weather fog

Direction and Force of Current. { Surface / Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Pippo Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
@ M.	DOWN.		UP.	@ M.			---- M.	DOWN.		UP.	---- M.	
9	5-6	30	9	5	00	0						
9	5-5	5-5	9	5-6	15	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

8

~~Dredge~~ / Hydrog. No. 5-745 Date, Sept 4, 1914

Sdg. Mch. T.H. Reel T.H. ~~Shot~~ / Lead 32 lbs.

Turns 60 Cor'n Depth 32 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy Sd.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 10:16a / Time } Air { 57° / }

Density: Surf. fms.

Wind: Direction N.N.W. Force 2

Baromet. 30.34 Amt. of Clouds 10 State of Sea 2

Weather of

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Lus Pippo Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
@	M.	DOWN.	UP.	@	M.		----	M.	DOWN.	UP.	----	M.
10	15	10	10	16	30	0						
10	15	30	10	15	40	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						2800						
						2900						
						3000						
						3100						
						3200						
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						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

9

Dredge / Hydrog. No. 5746 Date, Sept 4, 1914

Sdg. Mch. T. M. Reel T. M. Shot / Lead 32 lbs.

Turns 70 Cor'n Depth 40 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom fine g. & s.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 10:45 a Time Air 57°

Density: Surf. fms.

Wind: Direction N.W.W. Force 2

Baromet. 30.34 Amt. of Clouds 10 State of Sea 6

Weather Of

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Pipps Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M.	DOWN.		UP.		---- M.		---- M.	DOWN.		UP.		---- M.
10	41	30	10	43	00	0						
10	41	15-0	10	42	15	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

10

~~Dredge~~ Hydrog. No. 5747 Date, Sept 4, 1914

Sdg. Mch. T.H. Reel T.H. ~~Shot~~ Lead 32 lbs.

Turns 79 Cor'n Depth 43 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom fine gry L.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 11:10a Time Air 57°

Density: Surf. fms.

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

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

Weather cf

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Wm Pippo Recorder C.E. De Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
9 M.	Down.		Up.	9 M.			___ M.	Down.		Up.	___ M.	
11	07	50	11	08	50	0						
11	08	10	11	08	20	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4000						
						4100						
						4200						
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						4500						
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						4700						
						4800						
						4900						

11

Dredge / Hydrog. No. 5748 Date, Sept 4, 1914

Sdg. Mch. T.M. Reel T.M. Shot / Lead 32 lbs.

Turns 80 Cor'n Depth 43 fms.

Sdg. Cup Armitage Amt. Bot'm Sample

Character of Bottom fine Sd.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 11.23a / Time } Air { 57° / }

Density: Surf. fms.

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

Baromet. 30.34 Amt. of Clouds 10 State of Sea 6

Weather Oz.

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Pippa Recorder C.E. DeLong

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
4 M.	Down.		Up.	4 M.			---- M.	Down.		Up.	---- M.	
11	20	40	11	21	50	0						
11	21	10	11	21	20	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						3900						
						4000						
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						4700						
						4800						
						4900						

12

~~Dredge~~ Hydrog. No. 5749 Date, Sept 4, 1914

Sdg. Mch. T.M. Reel T.M. ~~Shot~~ Lead 32 lbs.

Turns 83 Cor'n Depth 465 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom Sandy L.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 11:41a Time Air 57°

Density: Surf. fms.

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

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

Weather Cz

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Lus. Pippo Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
9 M.	Down.		Up.	9 M.			___ M.	Down.		Up.	___ M.	
11	37	40	11	39	10	0						
11	38	00	11	38	10	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						3900						
						4000						
						4100						
						4200						
						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

13

~~Dredge~~ Hydrog. No. 5750 Date, Sept 4th, 19 14

Sdg. Mch. T N Reel T N ~~Shot~~ Lead 32 lbs.

Turns ____ Cor'n ____ Depth 54 fms.

Sdg. Cup Arming Amt. Bot'm Sample ____

Character of Bottom fine grey sand

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. 54 Time 12:10 Time ____ Air 56

Density: Surf. ____ fms. ____

Wind: Direction S W Force 3

Baromet. 30.33 Amt. of Clouds 10 State of Sea 4

Weather oc

Direction and Force of Current. Surface ____ Bottom ____

Tide ____

General Locality Oregon Coast

Position ____

Chart used: No. ____ Ed'n ____

Drift: Direction ____ Distance ____

Depth of Haul ____

Apparatus and Rig used ____

Time towing ____ h. ____ m.

Remarks: ____

Deck Officer Murdick Recorder C Clark

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
___ M.	DOWN.		UP.		___ M.		___ M.	DOWN.		UP.		___ M.
12	10	30	12	12	30	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4000						
						4100						
						4200						
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						4800						
						4900						

14 Set

~~Dredge~~ Hydrog. No. 5751 Date, Sept 4, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns Cor'n Depth 56 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom fine grey sand

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54 Time 12.27 Time Air 57

Density: Surf. fms.

Wind: Direction S.W Force 3

Baromet. 30.33 Amt. of Clouds 10 State of Sea G

Weather OC

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position Tillamook Light bears N440E (true) distant 8.0 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Ford dory 12.30 PM Rtd 3.12 PM

Aft dory 12:30 PM Rtd 3.09 P.M

Deck Officer McGlick Recorder C A Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M. DOWN.		UP.	P	M.		____ M. DOWN.			UP.		____ M.
12	27		12	29		0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						1600						
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						3200						
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						3400						
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						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

15

~~Dredge~~ Hydrog. No. 5752 Date, Sept 4, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns ____ Cor'n ____ Depth 44 fms.

Sdg. Cup Arming Amt. Bot'm Sample ____

Character of Bottom grey sand

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

Bottom Reading ____ Cor'd Temp. ____

Temp. Surf. { 55 / ____ } Time { 3.53 / ____ } Air { 57 / ____ }

Density: Surf. ____ ____ fms. ____

Wind: Direction W x N Force 2

Baromet. 30.36 Amt. of Clouds 10 State of Sea 4

Weather OC

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

Tide ____

General Locality Oregon Coast

Position ____

Chart used: No. ____ Ed'n ____

Drift: Direction ____ Distance ____

Depth of Haul ____

Apparatus and Rig used ____

Time towing ____ h. ____ m.

Remarks: ____

Deck Officer Mehlick Recorder A Clark

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	DOWN.		UP.	P M.			M.	DOWN.		UP.	M.	
3	52	30	3	54	30	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3900						
						4000						
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						4800						
						4900						

16.

~~Dredge~~ / Hydrog. No. 5753 Date, Sep. 4, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ / Lead 32 lbs.

Turns 74 Cor'n Depth 40 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time / Time Air

Density: Surf. fms.

Wind: Direction W by N Force 2

Baromet. 30.36 Amt. of Clouds 10 State of Sea 9

Weather O

Direction and Force of Current. Surface / Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	DOWN.		UP.		M.		M.	DOWN.		UP.		M.
4	31	00	4	33	00	0						
4	34	00	4	34	05	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4000						
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						4200						
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						4500						
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						4800						
						4900						

17.

~~Dredge~~ Hydrog. No. 5754 Date, Sep. 4, 1914

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 32 lbs.

Turns 77 Cor'n Depth 42 fms.

Sdg. Cup Aiming Amt. Bot'm Sample

Character of Bottom fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time Time Air

Density: Surf. fms.

Wind: Direction Wly N Force 2

Baromet. 30.36 Amt. of Clouds 10 State of Sea G

Weather 0

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.		M.		M.	Down.		Up.		M.
5	07	25	5	09	00	0						
5	08	00	5	08	10	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4000						
						4100						
						4200						
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						4500						
						4600						
						4700						
						4800						
						4900						

18

~~Dredge~~ Hydrog. No. 5757 Date, Sep 4, 1914

Sdg. Mch. TN Reel TN Shot Lead 32 lbs.

Turns 81 Cor'n Depth 41 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom —

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

Bottom Reading Cor'd Temp.

Temp. Surf. Time Time Air

Density: Surf. fms.

Wind: Direction WbyN Force 3

Baromet. 30.36 Amt. of Clouds 10 State of Sea 9

Weather 0

Direction and Force of Current. Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Lead was lost by wire breaking while heaving in.

Deck Officer Mr Mahoney Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
___ M. Down.			Up.		___ M.		___ M. Down.			Up.		___ M.
5	43	10				0						
5	43	40	5	44	00	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4800						
						4900						

19.

~~Dredge~~ / Hydrog. No. 5752 Date, Sep 4, 1914

Sdg. Mch. IN Reel IN ~~Shot~~ / Lead 32 lbs.

Turns 67 Cor'n Depth 36 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom gy S

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

Bottom Reading Cor'd Temp.

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

Density: Surf. fms.

Wind: Direction W by N Force 2

Baromet. 30.34 Amt. of Clouds 7 State of Sea 9

Weather Rc

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Wm Mahoney Recorder Smith

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
~~P~~ M. Down.			Up.	~~P~~ M.			___ M. Down.			Up.	___ M.	
6	10	00	6	11	40	0						
6	10	30	6	10	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						

1.

Dredge / Hydrog. No. 5757. Date, Sept 5, 1914

Sdg. Mch. T.M. Reel T.M. Shot / Lead 32 lbs.

Turns 87 Cor'n Depth 27 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom fine fly S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 51° Time 7:12a / Time Air 56°

Density: Surf. fms.

Wind: Direction N.W. Force 1-2

Baromet. 30.30 Amt. of Clouds 9 State of Sea 1

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality 12

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Pippo Recorder C.E. Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
9 M. Down.			Up.	9 M.			___ M. Down.			Up.	___ M.	
7	10	30	7	11	40	0						
7	10	55	7	11	10	100						
						200						
						300						
						400						
						500						
						600						
1						700						
2						3. 800						
3						3. 900						
4		course 282°				3. 1000						
5						2. 1100						
6						2. 1200						
7						1. 1300						
8						1. 1400						
9		230°				2. 1500						
10		"				2. 1600						
11						2. 1700						
12		50°				2. 1800						
13						2. 1900						
14		33.15				2. 2000						
15						.25 2100						
						2200						
16		290°				13.7 2300						
17		313°				1. 2400						
18		"				1. 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						

Shoal Water Lt 96-30, dist 7.8 m

2.

~~Dredge~~ Hydrog. No. 5758 Date, Sept 5, 1914

Sdg. Mch. T N Reel T. N. ~~Shot~~ Lead 32 lbs.

Turns 66 Cor'n Depth 36 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom fine gy S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 51° Time 7:38a Time Air 56°

Density: Surf. fms.

Wind: Direction N. W. Force 1-2

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

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality ?

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Pippo Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
9 M.	Down.		Up.		9 M.		____ M.	Down.		Up.		____ M.
7	35	10	7	36	40	0						
7	35	40	7	35	53	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
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						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

5759 8.00, 30 – 8.02

44

Clean lead. little sand –

4 5760 8.25 – 8.27

46

Clean lead

5 5761 8.42 8.45

57

Green mud

6 5762 9. – 9.02

63

Green mud