H6210

507

17

~~Dredge~~ Hydrog. No. H6210 Date, Sept 4, 1915

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

Turns Cor'n Depth 136.5 fms.

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

Character of Bottom fine blk. & fine gn S, no blks

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56° Time 3:35 P Time Air 64°

Density: Surf. fms.

Wind: Direction NW x W. Force 3

Baromet. 30.13 Amt. of Clouds 2 State of Sea M.

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears N 89° E (true) distant 29.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. Shepley Recorder C. E. De Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M.	Down.	Up.	P.	M.		M.	Down.		Up.	M.	
3	31	50	3	34	40	0						
3	32	60	3	33	05	136,5 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

(18)

~~Dredge~~ Hydrog. No. 6211 Date, Sept 4, 1915

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

Turns Cor'n Depth 194 fms.

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

Character of Bottom fne blk S fne gn S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56° Time 3:54 / Time Air 64°

Density: Surf. fms.

Wind: Direction NW x W Force 3

Baromet. 30.13 Amt. of Clouds 2 State of Sea M

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears N89½°E (true) distant 30.4 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Shepley Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			___ M. Down.			Up.	___ M.	
3	49	00	3	52	45	0						
3	50	15	3	50	30	194 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						1300						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

(19)

~~Dredge~~ Hydrog. No. 6212 Date, Sept 4, 19 15

Sdg. Mch. Electric Reel Elec ~~Shot~~ Lead 30 lbs.

Turns Cor'n Depth 219 fms.

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

Character of Bottom (fine black sand) fragments

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56° Time 4:13 / Time Air 67°

Density: Surf. fms.

Wind: Direction N. Mly N. Force 3

Baromet. 30:13 Amt. of Clouds 2 bc State of Sea M.

Weather

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears N 89½° E (lmg) distant 31.3 nmi

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer McCarthy Recorder Parker

H—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up. P M.				M. Down.			Up. M.		
4	07	10	4	12	00	0						
4	09	50	4	09	25	219 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4800						
						4900						

Dredge / Hydrog. No. 6213 Date Sept 4, 1915

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

Turns Cor'n Depth 247 fms.

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

Character of Bottom Green mud, gran shale

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56° Time 4:32 / Time Air 67°

Density: Surf. fms.

Wind: Direction N.N.W by W Force 3

Baromet. 30.13 Amt. of Clouds 2 State of Sea M

Weather Sc.

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears E (true) distant 32.3 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M. Down.		Up.	P.	M.		M. Down.			Up.	M.	
4	25	35	4	30	45	0						
4	27	25	4	27	40	247 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						4000						
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						4800						
						4900						

2)

~~Dredge~~ Hydrog. No. 6214 Date, Sept. 4, 1915

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

Turns Cor'n Depth 300 fms.

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

Character of Bottom No bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56° Time 4:51 / Time Air 67°

Density: Surf. fms.

Wind: Direction N W by W Force 3

Baromet. 30.13 Amt. of Clouds 2 State of Sea M

Weather Sc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears S89½°E (true) distant 33.2 nmi

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
8 M. Down.			Up. P M.				M. Down.			Up.		M.
4	44	30	4	50	08	0						
4	46	40	4	46	45	~~100~~ 300						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						4700						
						4800						
						4900						

22

~~Dredge~~ Hydrog. No. 6215 Date, Sept 4, 1915

Sdg. Mch. Electric Reel Elec ~~Shot~~ Lead 30 lbs.

Turns Cor'n Depth 261 fms.

Sdg. Cup Ammy (soft cup) Amt. Bot'm Sample

Character of Bottom fine gray sand

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 5:18 / Time Air 63°

Density: Surf. fms.

Wind: Direction N W Force 2

Baromet. 30.12 Amt. of Clouds 1 State of Sea M

Weather Clear

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Lt bears S 89¼° E (true) distant 32.2 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mc Cassidy Recorder Parker

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P M.			M.	Down.		Up.	M.	
5	11	03	5	16	25	0						
5	13	00	5	13	15	261 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4800						
						4900						

23

~~Dredge~~ Hydrog. No. 6216 Date, Sept 4, 1915

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

Turns Cor'n Depth 202 fms.

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

Character of Bottom (Black Sand) gy S, crs S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 5 35 Time Air 63°

Density: Surf. fms.

Wind: Direction NW Force 2

Baromet. 30.12 Amt. of Clouds 1 State of Sea M

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater bearing S88½°E (Tane) dist. 31½ M

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder Blaker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				M. Down.			Up.		M.
5	30	35	5	34	50	0						
5	32	10	5	32	20	202 ~~100~~						
						200						
						300						
						400						
						500						
						600						
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						3900						
						4000						
						4100						
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						4500						
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						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 6217 Date, Sept 4, 1915

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

Turns Cor'n Depth 149 fms.

Sdg. Cup Armington (soft cup) Amt. Bot'm Sample

Character of Bottom fine gray sand

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 5:53 Time Air 63°

Density: Surf. fms.

Wind: Direction N. W. Force 1

Baromet. 30.10 Amt. of Clouds 1 State of Sea M

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears S87¾°E (true) distant 30.3 mile

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				M. Down.			Up.		M.
5	47	50	5	51	05	0						
5	48	55	5	49	20	149 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						4000						
						4100						
						4200						
						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

25

~~Dredge~~ Hydrog. No. 6218 Date, Sept 4, 1915

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

Turns / Cor'n Depth 111 5/ fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom (Gray sand) few blk s

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 6 10 / Time Air 63

Density: Surf. fms.

Wind: Direction N W Force 1

Baromet. 30.10 Amt. of Clouds 1 State of Sea M

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears S87°E (true) distant 29.4 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder Baker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M. Down.		Up.	T	M.		M. Down.			Up.		M.
6	06	30	6	08	50	0						
6	07	20	6	07	30	111.5 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
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						4700						
						4800						
						4900						

26

~~Dredge~~ Hydrog. No. 6219 Date, Sept 4, 1915

Sdg. Mch. Edie Reel El ~~Shot~~ Lead 30 lbs.

Turns Cor'n Depth 98 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Fine gray sand

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 6 27 / Time Air 63°

Density: Surf. fms.

Wind: Direction NW Force 1

Baromet. 30.10 Amt. of Clouds 1 State of Sea M

Weather Oc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears S 86½° E (true) distant 28.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder Blake

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
0 M. Down.			Up. 0 M.				M. Down.			Up.		M.
6	22	40	6	26	20	0						
6	23	40	6	23	50	98 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
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						4800						
						4900						

27

~~Dredge~~ Hydrog. No. 6220 Date, Sept 4, 1915

Sdg. Mch. Elec Reel E2 ~~Shot~~ Lead 30 lbs.

Turns Cor'n Depth 92 fms.

Sdg. Cup Soft goop Amt. Bot'm Sample

Character of Bottom Green Mud & pebbles

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 6 — Time Air 63°

Density: Surf. fms.

Wind: Direction NW Force 1

Baromet. 30.10 Amt. of Clouds 1 State of Sea M

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater light bears S 85° E (true) distant 27.6 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Glick Recorder Blake

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.		___ M.		___ M. Down.			Up.		___ M.
6	39	00	6	41	10	0						
6	39	50	6	40	00	92 ~~400~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4900						

28

~~Dredge~~ / Hydrog. No. 6221 Date, Sept 4, 1915

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

Turns Cor'n Depth 143 fms.

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

Character of Bottom fne gy S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 8:25 P / Time Air 55

Density: Surf. fms.

Wind: Direction N.W. Force 2

Baromet. 30.11 Amt. of Clouds 2 State of Sea M.

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears N77°E (true) distant 23.7 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

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

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			___ M. Down.			Up.	___ M.	
8	19	35	8	23	10	0						
8	20	60	8	21	00	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

29

~~Dredge~~ Hydrog. No. 6222 Date, Sept 4, 1915

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

Turns Cor'n Depth 232 fms.

Sdg. Cup carried away Amt. Bot'm Sample

Character of Bottom hard

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 650 / Time Air 55°

Density: Surf. fms.

Wind: Direction NW. Force 2

Baromet. 30.11 Amt. of Clouds 2 State of Sea M

Weather Sc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Cape Shoalwater Light bears N 73½° E (true) distant 23.1 mile

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Shipley Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up.	P M.			M. Down.			Up.	M.	
8	42	10	8	47	46	0						
8	44	15	8	44	30	234 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4000						
						4100						
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						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

1

~~Dredge~~ Hydrog. No. 6223 Date, Sept 5, 1915

Sdg. Mch. Electric Reel Elec ~~Shot~~ Lead 30 lbs.

Turns Cor'n Depth 68 fms.

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

Character of Bottom Green mud, fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 6:03 / Time Air 59°

Density: Surf. fms.

Wind: Direction S.E. Force 1

Baromet. 30.08 Amt. of Clouds 6 State of Sea M

Weather bcy

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S49°E (true) distant 15.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A-- M. Down.			Up.		A-- M.		---- M. Down.			Up.	---- M.	
6	00	45	6	12	15	0						
6	01	10	6	01	20	68 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

2

~~Dredge~~ Hydrog. No. 6224 Date, Sept 5, 1915

Sdg. Mch. Electric Reel Elec ~~Shot~~ Lead 30 lbs.

Turns Cor'n Depth 72 fms.

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

Character of Bottom Green mud, fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 6:30 / Time Air 59°

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.08 Amt. of Clouds 6 State of Sea M

Weather Sky

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S56½°E (true) distant 15.3 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mc Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up.	A M.			___ M. Down.			Up.	___ M.	
6	27	30	6	29	10	0						
6	28	00	6	28	10	72 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

3

~~Dredge~~ Hydrog. No. 6225 Date, Sept 5, 1915

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

Turns Cor'n Depth 77 fms.

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

Character of Bottom Green mud, fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 6:54 Time Air 59°

Density: Surf. fms.

Wind: Direction S.E. Force 1

Baromet. 30:08 Amt. of Clouds 6 State of Sea M

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S65°E (True) distant 15.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up.	A M.			---- M. Down.			Up.	---- M.	
6	57	00	6	53	35	0						
6	52	35	6	52	40	77 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						3900						
						4000						
						4100						
						4200						
						4300						
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						4500						
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						4800						
						4900						

4

Dredge / Hydrog. No. 6226 Date, Sept 5, 1915

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

Turns Cor'n Depth 79 fms.

Sdg. Cup Ammi (soft wf) Amt. Bot'm Sample

Character of Bottom Green mud, fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 7:12 / Time Air 60

Density: Surf. fms.

Wind: Direction S.E Force 1

Baromet. 30.09 Amt. of Clouds 8 State of Sea M

Weather hz

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 72½° E (true) distant 15.8 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. Blick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up.	A M.			---- M. Down.			Up.	---- M.	
7	09	30	7	11	15	0						
7	10	08	7	10	12	79 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						4000						
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						4800						
						4900						

5

Dredge / Hydrog. No. 6227 Date, Sept 5, 1915

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

Turns Cor'n Depth 82 fms.

Sdg. Cup Armingfaft (rock) Amt. Bot'm Sample

Character of Bottom Green mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 7:30 / Time Air 60°

Density: Surf. fms.

Wind: Direction S.E Force 1

Baromet. 30:09 Amt. of Clouds 8 State of Sea M

Weather bcz

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 80°E (true) distant 16.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M. Down.			Up. A M.				M. Down.			Up.		M.
7	27	35	7	29	25	0						
7	28	10	7	28	15	82 ~~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						

Dredge / Hydrog. No. 6228 Date, Sept 5, 1915

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

Turns Cor'n Depth 82 fms.

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

Character of Bottom Green Mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 7:57 / Time Air 61°

Density: Surf. S.G. fms. 1

Wind: Direction S.E. Force

Baromet. 30.10 Amt. of Clouds 8 State of Sea M.

Weather hcy

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 87° E (true) distant 17.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Electricity cut off - had to wind in by hand.

Deck Officer Mr. Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A M.	Down.		Up.	A M.			M.	Down.		Up.	M.	
7	53	25	7	55	55	0						
7	54	05	7	54	10	82 100						
						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						

Dredge / Hydrog. No. 6229 Date, Sept 5, 19 25

Sdg. Mch. Elech Reel El ~~Shot~~ Leads 30 lbs.

Turns Cor'n Depth 82 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Green Mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54 Time 8 16 / Time Air 61°

Density: Surf. 26 fms.

Wind: Direction SE Force 1

Baromet. 30.10 Amt. of Clouds 8 State of Sea 2

Weather hcy

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 82½° E (true) distant 17.2 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Shepley Recorder Baker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			---- M. Down.			Up.	---- M.	
6	13	25	8	15	25	0						
8	14	00	8	14	10	82 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						3600						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

8

Dredge / Hydrog. No. 6230 Date, Sept 5, 1915

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

Turns Cor'n Depth 82 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Green Mud fine grs

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54 Time 8 30 Time Air 61°

Density: Surf. fms.

Wind: Direction S E Force 1

Baromet. 30,10 Amt. of Clouds 8 State of Sea m

Weather hazy

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 78° E (true) distant 16.9 mile

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Shipley Recorder Blaker

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M.		Down.	Up.	a M.			---- M.		Down.	Up.	---- M.	
8	27	45	8	29	50	0						
8	28	25	8	28	1082	~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3100						
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						3500						
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						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

9

Dredge / Hydrog. No. 6231 Date, Sept 5, 1915

Sdg. Mch. Elect Reel Elec ~~Shot~~ Lead 50 lbs.

Turns Cor'n Depth 81 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Green Mud fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54 Time 8 45 Time Air 61°

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.10 Amt. of Clouds 8 State of Sea M

Weather Dry

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 72 3/4° E (Tim) distant 16.8 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Shepley Recorder Blaker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			---- M. Down.			Up.	---- M.	
8	42	50	8	44	50	0						
8	43	20	8	43	35	81 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

10

Dredge / Hydrog. No. 6232 Date, Sept 5, 1915

Sdg. Mch. Elect Reel El ~~Shot~~ Leads 30 lbs.

Turns Cor'n Depth 78 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Brown Mud, fine grys

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54 Time 8 39 / Time Air 61°

Density: Surf. fms.

Wind: Direction S E Force 1

Baromet. 30.10 Amt. of Clouds 6 State of Sea M

Weather Cy

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 68½° E (true) distant 16.8 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Shipley Recorder Blaker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up.	a M.			___ M. Down.			Up.	___ M.	
8	57	30	8	59	20	0						
8	58	10	8	58	15	7 8 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / Hydrog. No. 6233 Date, Sept 5, 1915

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

Turns Cor'n Depth 77 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Green Sand ~~Sp~~ M, fne gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 55 Time 9 20 / Time Air 62 0

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.12 Amt. of Clouds 9 State of Sea L

Weather bcy

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S64°E (true) distant 16.9 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Shepley Recorder Blaker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
~~a~~ M.	Down.		Up.	~~a~~ M.			M.	Down.		Up.	M.	
9	14	00	9	18	00	0						
9	15	00	9	15	30	17 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						1000						
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						4000						
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						4500						
						4600						
						4700						
						4800						
						4900						

.2

~~Dredge~~ Hydrog. No. 6234 Date, Sept 5, 1915

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

Turns Cor'n Depth 72.5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom gn. M., fine gy. S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 55° Time 1:57 P Time Air 63°

Density: Surf. fms.

Wind: Direction S.S.E. Force 1

Baromet. 30.14 Amt. of Clouds .8 State of Sea M.

Weather b.c.

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 63½° E (true) distant 18.0 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder C. E. Dessong

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P M.			M.	Down.		Up.	M.	
1	54	40	1	56	40	0						
1	55	20	1	55	30	72½ ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

13

Dredge / Hydrog. No. 6235 Date, Sept 5, 1915

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

Turns Cor'n Depth 71 fms.

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

Character of Bottom gn M., fne gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 2:20 P / Time Air 63°

Density: Surf. fms.

Wind: Direction S.S.W Force

Baromet. 30.14 Amt. of Clouds .8 State of Sea L.

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 60 3/4° E (true) distant 18.4 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M. Down.		Up.	P.	M.		---- M. Down.			Up.	---- M.	
2	15	40	2	17	10	0						
2	16	20	2	16	25	71 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						3200						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

14

~~Dredge~~ Hydrog. No. 6236 Date, Sept 5, 1915

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

Turns Cor'n Depth 70.5 fms.

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

Character of Bottom gr. M., fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 2:35 P Time Air 63°

Density: Surf. fms.

Wind: Direction S.S.W. Force

Baromet. 30.14 Amt. of Clouds 9 State of Sea L

Weather

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S58¾° E (true) distant 18.8 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder C E DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M. Down.			Up.		P.M.		---- M. Down.			Up.		---- M.
2	30	20	2	32	00	0						
2	30	50	2	30	55	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

15

~~Dredge~~ Hydrog. No. 6237 Date, Sept 5, 1915

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

Turns Cor'n Depth 69 fms.

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

Character of Bottom gn. M., fne gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 2:47 P / Time Air 63°

Density: Surf. fms.

Wind: Direction S.S.W. Force 1

Baromet. 30.14 Amt. of Clouds 8 State of Sea L

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S.55¾°E (true) distant 19.4 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder C.E. DeLong

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		---- M. Down.			Up.		---- M.
2	46	00	2	47	20	0						
2	46	25	2	46	35	69 ~~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						

(16)

~~Dredge~~ Hydrog. } No. 6238 Date, Sept 15, 1915

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

Turns Cor'n Depth 68 fms.

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

Character of Bottom fne gy. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 57 Time 3:00 P / Time } Air { 63

Density: Surf. fms.

Wind: Direction N.S.W. Force 1

Baromet. 30.15 Amt. of Clouds 8 State of Sea L

Weather bc

Direction and Force of Current. { Surface / Bottom }

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 53° E (true) distant 19.8 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder C. E. DeLong

11—1023

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11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up.	P M.			___ M. Down.			Up.	___ M.	
3	00	30	3	01	50	0						
3	00	55	3	01	00	68 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

(17)

~~Dredge~~ Hydrog. No. 6239 Date, Sept 5, 1915

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

Turns Cor'n Depth 70.5 fms.

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

Character of Bottom fine gy S., gn M.

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

Bottom Reading Cor'd Temp.

Temp. Surf. ~~63°~~ 57 Time 3:30 P Time Air ~~57°~~ 63

Density: Surf. fms.

Wind: Direction S.S.W Force 1

Baromet. 30.15 Amt. of Clouds .8 State of Sea L.

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head light bears S59°E (true) distant 19.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder C.E. DeLong

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			---- M. Down.			Up.	---- M.	
3	27	35	3	29	10	0						
3	28	10	3	28	20	70½ 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

18

~~Dredge~~ Hydrog. No. 6240 Date, Sept 5, 1915

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

Turns Cor'n Depth 72 fms.

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

Character of Bottom ~~gy S~~; Gm m, fne gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. ~~63~~ 57° Time 3:45 P Time Air ~~57°~~ 63

Density: Surf. fms.

Wind: Direction S.S.W Force 1

Baromet. 30.15 Amt. of Clouds .7 State of Sea L.

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 61¾° E (true) distant 19.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder C.E. DeLong

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P M.			___ M.	Down.		Up.	___ M.	
3	42	40	3	44	10	0						
3	43	10	3	43	25-72	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						3100						
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						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

19

~~Dredge~~ Hydrog. No. 6241 Date, Sept 5, 1915

Sdg. Mch. Electric Reel Ele ~~Shot~~ Lead 30 lbs.

Turns Cor'n Depth 73 fms.

Sdg. Cup Lemming (soft sand) Amt. Bot'm Sample

Character of Bottom Green mud, fine gry S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 4:00 / Time Air 63°

Density: Surf. fms.

Wind: Direction S.S.W. Force 1

Baromet. 30.12 Amt. of Clouds 6 State of Sea L

Weather bc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 64½° E (true) distant 19.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder Parker

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
∅ ___ M. Down.			Up. ∅ ___ M.				___ M. Down.			Up. ___ M.		
3	57	00	3	58	30	0						
3	57	30	3	57	35	73 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						1300						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

20

~~Dredge~~ Hydrog. No. 6242 Date, Sept 5, 1915

Sdg. Mch. Electric Reel Elec ~~Shot~~ Lead 30 lbs.

Turns Cor'n Depth 70 fms.

Sdg. Cup Armstrong Amt. Bot'm Sample

Character of Bottom Green mud, fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 4:13 Time Air 63

Density: Surf. fms.

Wind: Direction S S W Force 1

Baromet. 30.12 Amt. of Clouds 6 State of Sea 2

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 67¼° E (true) distant 19.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M. Down.		Up.	P	M.		M. Down.			Up.		M.
4	09	45	4	11	30	0						
4	10	15	4	10	25	70 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

21

~~Dredge~~ Hydrog. No. 6243 Date, Sept. 5, 1915

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

Turns Cor'n Depth 75 fms.

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

Character of Bottom Green mud, fuzzy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 4:25 Time Air 63°

Density: Surf. fms.

Wind: Direction S.S.W. Force 1

Baromet. 30:12 Amt. of Clouds 6 State of Sea L

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S70°E (true) distant 19.6 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M. Down.		Up.	P.	M.		M. Down.			Up.	M.	
4	23	32	4	24	20	0						
4	23	05	4	23	20	75 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3900						
						4000						
						4100						
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						4500						
						4600						
						4700						
						4800						
						4900						

22

Dredge / Hydrog. No. 6244 Date, Sept 5, 1905

Sdg. Mch. Electric Reel Elec Shot / Leads 30 lbs.

Turns Cor'n Depth 78 fms.

Sdg. Cup Fanning (soft sand) Amt. Bot'm Sample

Character of Bottom Green mud, fine gy S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 1:41 / Time Air 63°

Density: Surf. fms.

Wind: Direction S.S.W. Force 1

Baromet. 30.12 Amt. of Clouds 6 State of Sea 2

Weather

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 73° E (true) distant 19.7 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. Slick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
0 ---- M. Down.			Up. 0 ---- M.				---- M. Down.			Up. ---- M.		
4	37	18	4	39	20	0						
4	37	50	4	38	00	78 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						3900						
						4000						
						4100						
						4200						
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						4800						
						4900						

20

~~Dredge~~ Hydrog. No. 6245 Date, Sept 5, 1915

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

Turns Cor'n Depth 78 fms.

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

Character of Bottom Green mud, fne gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 5:04 Time Air 63°

Density: Surf. fms.

Wind: Direction S.W. Force 1

Baromet. 30:12 Amt. of Clouds 7 State of Sea 2

Weather bc.

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S78°E (true)

Chart used: No. 6100 Ed'n distant 20.2 miles

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P ___ M. Down.			Up. P ___ M.				___ M. Down.			Up. ___ M.		
5	01	20	5	03	15	0						
5	01	50	5	02	10	78 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
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						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

24

~~Dredge~~ Hydrog. No. 6246 Date, Sept 5, 1915

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

Turns Cor'n Depth 86 fms.

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

Character of Bottom Green mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57° Time 5:38 Time Air 63°

Density: Surf. fms.

Wind: Direction S.W. Force 1

Baromet. 30.12 Amt. of Clouds 7 State of Sea 2

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 86° E (true) distant 21.2 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder Parker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P ___ M. Down.			Up. P ___ M.				___ M. Down.			Up. ___ M.		
5	35	20	5	37	15	0						
5	35	53	5	36	10	86 ~~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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						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

25

~~Dredge~~ Hydrog. No. 6247 Date, Sept 5, 1915

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

Turns Cor'n Depth 86 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Green Mud, fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57 Time 6 15 Time Air 62°

Density: Surf. fms.

Wind: Direction SW Force 1

Baromet. 30,11 Amt. of Clouds 8 State of Sea L

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 81½° E (true) distant 21.9 mile

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Blick Recorder Blaker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P ___ M. Down.			Up. P ___ M.				___ M. Down.			Up. ___ M.		
6	10	20		12	25	0						
	11	00	6	11	20	86 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						1400						
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						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~~ Hydrog. No. 6248 Date, Sept 1, 1915

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

Turns Cor'n Depth 84 fms.

Sdg. Cup Soft Soap Amt. Bot'm Sample

Character of Bottom Green Lead

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

Bottom Reading Cor'd Temp.

Temp. Surf. 57 Time 647 Time Air 620

Density: Surf. fms.

Wind: Direction SW Force 1

Baromet. 30.11 Amt. of Clouds 8 State of Sea 2

Weather fc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 77° E (true) distant 22.6 nmi

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M Shepley Recorder Blake

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.	M.			M.	Down.		Up.	M.	
6	44	45		47	00	0						
	45	30	6	45	40	8 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3200						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

27

~~Dredge~~ Hydrog. No. 6249 Date, Sept 5, 1915

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

Turns Cor'n Depth 84 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Green Mud & frags

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56 Time 7 00 Time Air 60°

Density: Surf. fms.

Wind: Direction NW Force 1

Baromet. 30.12 Amt. of Clouds 5 State of Sea 8

Weather Cy

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 75° E (true)

Chart used: No. 6100 Ed'n distant 23.0 miles

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Shepley Recorder Blake

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.	M.			M.	Down.		Up.	M.	
7	02	05		04	25	0						
	02	40	7	02	45	84 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
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						3900						
						4000						
						4100						
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						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

28

~~Dredge~~ Hydrog. No. 6250 Date, Sept 5, 1915

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

Turns Cor'n Depth 87 fms.

Sdg. Cup Soft Ooze Amt. Bot'm Sample

Character of Bottom Green Mud fne gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56 Time 7 31 / Time Air 60°

Density: Surf. fms.

Wind: Direction NW Force 1

Baromet. 30.12 Amt. of Clouds 5 State of Sea 2

Weather Dry

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 73°E (true) distant 23.5 mile

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Shepley Recorder Blake

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
Ø M.	Down.		Up.	Ø M.			---- M.	Down.		Up.	---- M.	
7	18	25		20	25	0						
	19	00	7	19	10	87 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						2800						
						2900						
						3000						
						3100						
						3200						
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						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

29

~~Dredge~~ Hydrog. No. 6251 Date, Sept 5, 1915

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

Turns Cor'n Depth 81 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom Green Mud fine gy S

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

Bottom Reading Cor'd Temp.

Temp. Surf. 56 Time 7 36/11 Time Air 60°

Density: Surf. fms.

Wind: Direction NW Force 1

Baromet. 30.12 Amt. of Clouds 5 State of Sea S

Weather bcy

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 71°E (true) distant 24.1 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Shipley Recorder Blaker

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P M.			M.	Down.		Up.		M.
7	35	00		36	50	0						
	35	20	7	35	30	8 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						2800						
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						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

20

~~Dredge~~ Hydrog. No. 6252 Date, Sept 5, 1915

Sdg. Mch. Elect Reel El ~~Shot~~ Leads 30 lbs.

Turns ..... Cor'n ..... Depth 81 fms.

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

Character of Bottom Blue shale, fine gravel) gran shale

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

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

Temp. Surf. { 55 Time 8:05 P } Air { 60° }

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

Wind: Direction NW Force 1

Baromet. 30.12 Amt. of Clouds 5 State of Sea 2

Weather Dcy

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

Tide .....

General Locality Off Columbia River

Position Tillamook Head light bears S 67½° E (true) distant 25.2 miles
Col. Light-tup N 71 E (true) dist 17½ mi.

Chart used: No. 6100 Ed'n .....

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

Depth of Haul .....

Apparatus and Rig used .....

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

Remarks: .....

Deck Officer M N Cassidy Recorder C E Delong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.		M.		M. Down.			Up.		M.
8	02	30	8	04	20	0						
8	03	10	8	03	20	81 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

31

~~Dredge~~ Hydrog. No. 6253 Date, Sept 5, 1915

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

Turns ..... Cor'n ..... Depth 88 fms.

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

Character of Bottom gn M; S fne gy S

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

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

Temp. Surf. { 55° Time ..... Time ..... } Air { 60° }

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

Wind: Direction N.W. Force 1

Baromet. 30.12 Amt. of Clouds .1 State of Sea Lr

Weather bcy.

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

Tide .....

General Locality Off Columbia River

Position Tillamook Head Light bears S 64° E (true) distant 26.3 miles

Chart used: No. 6100 Ed'n .....

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

Depth of Haul .....

Apparatus and Rig used .....

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

Remarks: .....

Deck Officer M Cassidy Recorder C E DeLong

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.		M.		M.	Down.		Up.		M.
8	31	00	8	33	00	0						
8	31	40	8	31	50	88 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
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						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 6254 Date, Sept 5, 1925

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

Turns Cor'n Depth 93 fms.

Sdg. Cup Soft Soap Amt. Bot'm Sample

Character of Bottom No sample

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 9.05 P / Time Air 59°

Density: Surf. fms.

Wind: Direction N.W. Force 1

Baromet. 30.11 Amt. of Clouds .2 State of Sea L

Weather Sc

Direction and Force of Current. Surface / Bottom

Tide

General Locality Off Columbia River

Position Tillamook Head Light bears S 61½° E (true) distant 27.5 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
0 M. Down.			Up. 0 M.				M. Down.			Up.	M.	
9	00	30	9	02	35	0						
9	01	10	9	01	20	93 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						3100						
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						3900						
						4000						
						4100						
						4200						
						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 6255 Date, Sept 5, 1915

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

Turns Cor'n Depth 95 fms.

Sdg. Cup Soft soap Amt. Bot'm Sample

Character of Bottom fne gy S., gn m

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 9:21 Time Air 59°

Density: Surf. fms.

Wind: Direction N.W. Force 1

Baromet. 30.11 Amt. of Clouds 2 State of Sea L

Weather bcz

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Columbia River

Position Tillamook Head Light bears S 60° E (true) distant 28.1 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. Cassidy Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M. Down.			Up.	---- M.			---- M. Down.			Up.	---- M.	
9	18	10	9	20	20	0						
9	18	50	9	19	00	95 ~~100~~						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

34

~~Dredge~~ Hydrog. No. 6256 Date, Sept 5, 1915

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

Turns Cor'n Depth 101 fms.

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

Character of Bottom fine gy L, gn m.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 54° Time 7.40 P Time Air 59°

Density: Surf. fms.

Wind: Direction N.W. Force 1

Baromet. 30.11 Amt. of Clouds 2 State of Sea L

Weather hcy

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Head Light bears S 59° E (true) distant 28.7 mile

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up. P M.				M. Down.			Up.		M.
9	36	10	9	38	20	0						
9	37	00	9	37	10	101 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						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						

(35)

~~Dredge~~ Hydrog. No. 6257 Date, Sept 5, 1915

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

Turns Cor'n Depth 224 fms.

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

Character of Bottom fine gy. S.

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 10:00P Time Air 56°

Density: Surf. fms.

Wind: Direction N.W. Force 1

Baromet. 30.12 Amt. of Clouds 2 State of Sea L.

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 57½° E (true) distant 29.4 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassidy Recorder C. E. DeLong

11—1023

X10

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up.	P M.			---- M. Down.			Up.	---- M.	
9	53	40	9	58	50	0						
9	53	30	9	58	40	224 ~~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						

(36)

~~Dredge~~ Hydrog. No. 6258 Date, Sept 5, 1915

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

Turns Cor'n Depth 285 fms.

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

Character of Bottom No bottom at 285 faths

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

Bottom Reading Cor'd Temp.

Temp. Surf. 53° Time 10:40P Time Air 56°

Density: Surf. fms.

Wind: Direction N.W. Force 1

Baromet. 30.12 Amt. of Clouds 2 State of Sea L

Weather bc

Direction and Force of Current. Surface Bottom

Tide

General Locality Off Oregon coast

Position Tillamook Head Light bears S 55° E (true) distant 27.6 mile

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: No bottom with all wire on reel (285 faths)

This book checked R T B.

Deck Officer Mr. Cassidy Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		___ M. Down.			Up.		___ M.
10	32	50	10	39	20	0						
10	35	10	10	35	20	100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4900						