H5291-
5328.

D5827-
5836.

507

H 5291
328

D 5827
36

Dredge / Hydrog. } No. 5291 Date, Jan 13, 1913

Sdg. Mch. Tanner Reel T. N. Shot / Lead } 14 lbs.

Turns ..... Cor'n ..... Depth 13 fms.

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

Character of Bottom .....

Thermom. { Make N. Z. / No. L. 1019 / 1023 } Cor'n { Instr. ..... / Stem. ..... }

Bottom Reading L. 43.5 P. 43.5 Cor'd Temp. 43.43

Temp. Surf. { 43 Time 1.48 P / 42.73 Time ..... } Air { 53 }

Density: Surf. ..... fms.

Wind: Direction S.E. Force 2 3

Baromet. 30.09 Amt. of Clouds 10 State of Sea 0

Weather Oz

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

Tide ~~Flood~~ Ebb

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter.

Apparatus and Rig used 4' Inter 2 Pfaffords 150# Weights

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

Remarks: Eckman water bottle used.

Deck Officer Mr. Rettig Recorder J. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			P. M. Down.			Up.	P. M.	
1	38	00	1	48	00	0	1	38	00	1	48	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / Hydrog. No. 5292 Date, Jan 13, 1913

Sdg. Mch. Lamm Reel 7 N Shot / Lead 14 lbs.

Turns ..... Cor'n ..... Depth 13 fms.

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

Character of Bottom .....

Thermom. Make N.Z. / No. L 10 1 P Cor'n Instr. ..... / Stem. .....

Bottom Reading L 43.5 R 43.5 Cor'd Temp. 43.43

Temp. Surf. 43 Time 1:59 P / 42.73 Time ..... Air 53°

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

Wind: Direction S E Force 2-3

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

Weather Oz

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4 Inter 2 Nofords 150 # weight

Time towing ..... h. 15 m.

Remarks: Ex 11 max water bottle used. Towed 5 minutes under way.

Deck Officer Mr Rettig Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
F.	M. Down.		Up.	F.	M.		F.	M. Down.		Up.	F.	M.
1	48	00	1	58	00	0	1	53	00	2	08	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
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						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / Hydrog. No. 5293 Date, Jan 13, 1913

Sdg. Mch. Tanner Reel Tin Shot / Lead 14 lbs.

Turns ..... Cor'n ..... Depth 7 fms.

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

Character of Bottom .....

Thermom. Make N.Z. / No. L1019 N1023 Cor'n Instr. ..... / Stem. .....

Bottom Reading L44 R44 Cor'd Temp. 43.93

Temp. Surf. 43.5 Time 2:42 P / 43.23 Time ..... Air 52°

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

Wind: Direction S.E. Force 2 3

Baromet. 30.07 Amt. of Clouds 10 State of Sea 8

Weather Oz

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

Tide Flood.

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter. 2 Kgfds. 150# weight.

Time towing ..... h. 13½ m.

Remarks: Eckman water bottle used.

Towed three minutes under way.

Deck Officer M. M. Hetley Recorder H. W. Crider

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P ... M.	Down.		Up.	P ... M.			P ... M.	Down.		Up.	P ... M.	
2	31	00	2	41	00	0	2	31	00	2	44	30
						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						

~~Dredge~~ Hydrog. No. 5294 Date, Jan 12, 1913

Sdg. Mch. Lanner Reel 5.21 Shot Lead 14 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make N.Z. No. S.1019 R1023 Cor'n Instr. Stem.

Bottom Reading S449 R44.8 Cor'd Temp. 44.78

Temp. Surf. 44.1 Time 3:18 P. Time 43.83 Air 52°

Density: Surf. fms.

Wind: Direction S.E. Force 4-5

Baromet. 30.03 Amt. of Clouds 10 State of Sea C

Weather Cy

Direction and Force of Current. Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Site

Apparatus and Rig used 4 Sites 2 ft of ends 150 ft weight.

Time towing h. 16 m.

Remarks: Eckman water bottle used.

Used bottom sampler.

Towed 3 minutes under way.

Deck Officer Mr Kelly Recorder H. W. Crude

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
T.	M. DOWN.		UP.	T.	M.		T.	M. DOWN.		UP.	T.	M.
3	06	00	3	18	00	0	3	06	00	3	22	20
						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						

Dredge / Hydrog. } No. 5295 Date, June 13, 1913

Sdg. Mch. [illegible] Reel [illegible] Shot / Lead } 14 lbs.

Turns ..... Cor'n ..... Depth 6 fms.

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

Character of Bottom .....

Thermom. { Make N.Z. / No. L 1019 P 1023 } Cor'n { Instr. ..... / Stem. ..... }

Bottom Reading L 45.7 P 45.6 Cor'd Temp. 45.58

Temp. Surf. { 45.2 Time 4:04 P / 44.93 Time ..... } Air { 51° }

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

Wind: Direction S E Force 4-5

Baromet. 30.02 Amt. of Clouds 10 State of Sea C

Weather Oz

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

Tide Flood

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter. 2 Kofoids 150 # weight

Time towing ..... h. 14 m.

Remarks: Eckman water bottle used

Towed 4 min. underway

Deck Officer Mr. Rotty Recorder [illegible]

Arthur

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P___ M. DOWN.			UP. P___ M.				T___ M. DOWN.			UP. T___ M.		
3	54	00	4	08	00	0	3	54	00	4	04	00
						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						

~~Dredge~~ Hydrog. } No. 5296 Date, Jan 13, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead } 14 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make NZ / No. L: 1019 - R: 1023 } Cor'n { Instr. / Stem.

Bottom Reading L: 46.0 R: 46.0 Cor'd Temp. 45.93

Temp. Surf. { 45.8 Time 4:35 ~~P~~ / 45.53 Time } Air { 51

Density: Surf. fms.

Wind: Direction SE Force 4

Baromet. 30.01 Amt. of Clouds 10 State of Sea C

Weather 0

Direction and Force of Current. { Surface / Bottom

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter

Apparatus and Rig used 4' Inter x 2 Kfds.

Time towing h. 10 m.

Remarks: Eckman water bottle used

Net Towed 2 min

Deck Officer Mr. Rettig Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M. Down.			Up.		P.M.		P.M. Down.			Up.		P.M.
4	28	00	4	38	00	0	4	25	00	4	35	00
						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						

Dredge / ~~Hydrog.~~ No. 5827 Date, Jan 20, 1913

Sdg. Mch. Hand line frame Reel ..... Shot / Lead ..... lbs.

Turns ..... Cor'n ..... Depth 12-12½-6¾ fms.

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

Character of Bottom .....

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

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

Temp. Surf. 49° Time 9:50 a Time ..... Air 48°

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

Wind: Direction Variable Force 0-1

Baromet. 30.45 Amt. of Clouds 0 State of Sea S.

Weather bf

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

Tide Ebb.

General Locality .....

Position .....

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

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

Depth of Haul bottom

Apparatus and Rig used 5' Coester trawl, 150# sinkers, 2 glass floats

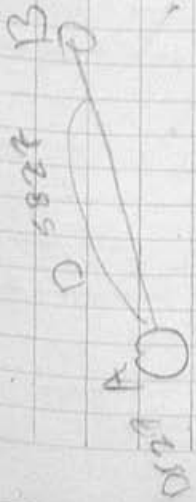
Time towing ..... h. 14 m.

Remarks: Net came up badly torn

Deck Officer Robin Clancy Recorder C. E. D. Long

11—1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
@ M. Down.	Up.	@ M.		@ M. Down.	Up.	@ M.
Range pull bucket			0	9 19 45	9 21 00	
			~~100~~			
5-827-A			~~200~~			
(Bucket not full first trial.			~~300~~	9 26 30	9 27 20	
			~~400~~			
			500			
			600			
5' Coaster trawl			0 ~~700~~	9 33 40	9 47 30	
12½ fath			40 ~~800~~	9 35 40	9 45 40	
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
Range pull bucket			1500	9 52 25	9 53 20	
5-827-B			1600			
6¾ fath			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			



Dredge ~~Hydrog.~~ No. 5828 Date, Jan 20, 1913

Sdg. Mch. Hand line Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 49° Time 11:00 Time Air 48°

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.44 Amt. of Clouds 1 State of Sea S

Weather bcz

Direction and Force of Current. Surface Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 5' Coaster trawl, 150# sinker, 2 glass floats.

Time towing h. 27 m.

Remarks:

Deck Officer Boen Clancy Recorder C E Long

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
AM. Down.			Up.		AM.		A M. Down.			Up.		AM.
Orange peel bucket						0	10	18	35	10	20	00
						100						
16 3/4 fath						200						
5 828 - A						300						
						400						
						500						
						600						
						700						
						800						
						900						
5' Coaster trawl						0 ~~1000~~	10	47	40	11	14	00
10 1/4 fath						30 ~~1100~~	10	49	45	11	12	40
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
Orange Peel bucket						~~2200~~	10	27	30	10	28	30
						2300						
11 fath						2400						
5-828-B						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge ~~Hydrog.~~ No. 5829 Date, Jan 20, 1913

Sdg. Mch. Hand line ~~Reel~~ Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 5-0° Time 11:55 Time Air 5-2°

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.42 Amt. of Clouds 1 State of Sea L.

Weather Sog

Direction and Force of Current. Surface Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 5' Coaster trawl, 150# sinker, 2 glass floats

Time towing h. 10 m.

Remarks: * No sample secured.

Deck Officer Boin Clancy Recorder C.E. DeLong.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
... M.	Down.		Up.	... M.			a M.	Down.		Up.	a M.	
5829 - A						0	11	33	50	11	35	00
Orange Peel Bucket						100						
10½ fath.						200	11	37	30	11	38	30
Bucket did not						300						
fill first two						400	11	40	50	11	41	50
trials.						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
5' Coaster trawl						~~1300~~	11	46	10	11	56	05
10 fath						30 ~~1400~~	11	47	45	11	54	50
						1500						
5829B.						1600						
Orange Peel Bucket						1700	12	09	30	12	11	30
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
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						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5830 Date, Jan 20, 19[illegible]

Sdg. Mch. Hand line fish Reel ..... Shot / Lead 14 lbs.

Turns ..... Cor'n ..... Depth [illegible] fms.

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

Character of Bottom .....

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

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

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

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

Wind: Direction East Force 1

Baromet. 30.41 Amt. of Clouds 2 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 Bottom

Apparatus and Rig used Orange Peel Bucket

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

Remarks: * no sample secured

Deck Officer M. Clancy Recorder H. W. Price

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. DOWN.			UP.		M.		M. DOWN.			UP.		M.
Orange Peel Bucket						0	12	09	30	12	11	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Cancelled

~~Dredge~~ Hydrog. No. 5297 Date, Jan 20, 1913

Sdg. Mch. Lanner Reel S. N. ~~Shot~~ Lead lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make N. Z. Cor'n Instr.
No. L 1019 R. 1023 Stem.

Bottom Reading L 48 R 48 Cor'd Temp. 47.93

Temp. Surf. 48 Time 1:03 P. Air 59°
47.73 Time

Density: Surf. fms.

Wind: Direction East Force 0-1

Baromet. 30.38 Amt. of Clouds 2 State of Sea S

Weather Dez

Direction and Force of Current. Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored. Distance

Depth of Haul Inter

Apparatus and Rig used 4' Inter. 9 Kofords.
150 # weight

Time towing h. 5 m.

Remarks: Eckman water bottlenecked.

Deck Officer Mr. Clancy Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up. P M.				P M. Down.			Up. P M.		
12	57	00	1	01	00	0	12	56	00	1	01	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4200						
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						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5298 Date, Jan 20, 1913

Sdg. Mch. Tanner Reel T.N. ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 10 fms.

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

Character of Bottom .....

Thermom. Make N Z No. L.1019 R 1023 Cor'n Instr. ..... Stem. .....

Bottom Reading L.48.3 R48.2 Cor'd Temp. 48.18

Temp. Surf. 47.9 Time 1:50 P. 47.63 Time ..... Air 62°

Density: Surf. ..... fms.

Wind: Direction N.W. Force 0-1

Baromet. 30.38 Amt. of Clouds 2 State of Sea S

Weather b.c.z.

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 5 Trafords 150# weight.

Time towing ..... h. 22½ m.

Remarks: Ekerman waterbottle used.

Used Bottom Samples 3 times

Deck Officer M. Clancy Recorder J. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
1	38	30	1	49	30	0	1	40	00	2	02	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						1300						
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						4000						
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						4800						
						4900						

~~Dredge~~ Hydrog. } No. 5299 Date, Jan 20, 1913

Sdg. Mch. Tanner Reel T.N. ~~Shot~~ Lead } 14 lbs.

Turns ..... Cor'n ..... Depth 14 fms.

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

Character of Bottom .....

Thermom. { Make N.Z. / No. L 1019 R 1023 } Cor'n { Instr. ..... / Stem. ..... }

Bottom Reading L 47.9 R 47.8 Cor'd Temp. 47.78

Temp. Surf. { 47.9 Time 2:37 P / 47.63 Time ..... } Air { 59° / ..... }

Density: Surf. ..... fms.

Wind: Direction N.W. Force 0 – 1

Baromet. 30.38 Amt. of Clouds 2 State of Sea S

Weather Rez.

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 2 Tsfords.
150 # weight

Time towing ..... h. 9 m.

Remarks: Fireman water bottle used

Used Bottom Sampler 2 times

Deck Officer M. Clancy Recorder J. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
C M. Down.			Up. C M.				C M. Down.			Up. C M.		
2	26	00	2	36	00	0	2	27	00	2	36	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. } No. 5300 Date, Jan 20, 1913

Sdg. Mch. Lamer Reel T.N. Shot Lead } 14 lbs.

Turns ..... Cor'n ..... Depth 7 fms.

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

Character of Bottom .....

Thermom. { Make N.Z. / No. L 10 19 R 10 23 } Cor'n { Instr. ..... / Stem. ..... }

Bottom Reading L 47.8 R 47.6 Cor'd Temp. 47.63

Temp. Surf. { 47.5 Time 3:07 P / 47.23 Time ..... } Air { 56° / ..... }

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

Wind: Direction N. Force 0 - 1

Baromet. 30.38 Amt. of Clouds 3 State of Sea 5°

Weather Occ

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter 2 Keofords
150 ft weight

Time towing ..... h. 9 m.

Remarks: Eckman water bottle used
Used bottom sampler 2 times

Deck Officer [signature] Recorder [signature]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
75 M. Down.			Up. 75 M.				75 M. Down.			Up. 75 M.		
2	56	00	3	06	00	0	2	57	00	3	06	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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Dredge / Hydrog. No. 5301 Date, Jan 20, 1913

Sdg. Mch. Tanner Reel T. N. Shot / Lead 14 lbs.

Turns ..... Cor'n ..... Depth 10 fms.

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

Character of Bottom .....

Thermom. Make N. Z. / No. L 1019 R 1023 Cor'n Instr. ..... / Stem. .....

Bottom Reading L 47.3 R 47.2 Cor'd Temp. 47.18

Temp. Surf. 47.3 Time 3:49 P / 47.03 Time ..... Air 58°

Density: Surf. ..... fms.

Wind: Direction N. Force 0-1

Baromet. 30.38 Amt. of Clouds 4 State of Sea S

Weather bcz.

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 2 Tesfords 150# weight.

Time towing ..... h. 10 m.

Remarks: Eckman water bottle used

Used Bottom Sampler

Bottom Sampler failed to function twice

Deck Officer M. Clancy Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		P. M. Down.			Up.		P. M.
3	27	00	3	48	00	0	3	28	00	3	38	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						4000						
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						4500						
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						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5302 Date, Jan 20, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make NZ No. 1019 – 1023 Cor'n Instr. Stem.

Bottom Reading 47.2° – 47.1° Cor'd Temp. 47.08

Temp. Surf. 47.0° Time 4:13 P 46.73 Time Air 55°

Density: Surf. fms.

Wind: Direction Calm Force 0

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

Weather Bog.

Direction and Force of Current. Surface Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction anchored Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Kofoids.

Time towing h. 7 m.

Remarks: Extreme w/the. bottle used

Used bottom Sampler 2 times

Deck Officer Mr. Chaney Recorder Arthur

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M.	Down.		Up.	P M.			P M.	Down.		Up.	P M.	
4	03	00	4	13	00	0	4	05	00	4	12	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4000						
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						4200						
						4300						
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						4500						
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						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5303 Date, Jan 20, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make N3 Cor'n Instr. Stem.

No. 1019 – 1023

Bottom Reading 47.0° – 46.9° Cor'd Temp. 46.88

Temp. Surf. 46.5° Time 4:43 P Air 52°

46.23 Time

Density: Surf. fms.

Wind: Direction Calm Force 0

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

Weather Beg

Direction and Force of Current. Surface Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction anchored Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Rfds.

Time towing h. 9 m.

Remarks: Eckman water bottle used

Bed bottom sampler twice

Deck Officer J. F. Clancy Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. DOWN.			UP.		M.		M. DOWN.			UP.		M.
4	33	10	4	43	10	0	4	33	30	4	42	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4200						
						4300						
						4400						
						4500						
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						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5304 Date, January 20, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 6 fms.

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

Character of Bottom .....

Thermom. Make N / No. 1019 – 1023 Cor'n Instr. ..... / Stem. .....

Bottom Reading 46.8° – 46.7° Cor'd Temp. 46.68

Temp. Surf. 46.4° Time 5:13 P / 46.13 Time ..... Air 50°

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

Wind: Direction Calm Force 0

Baromet. 30.34 Amt. of Clouds 3 State of Sea S

Weather Fog

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

Tide Ebb

General Locality .....

Position .....

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

Drift: Direction Northward Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter & 2 Kofoid

Time towing h. 7½ m.

Remarks: Used Ekman water bottle

Used bottom sampler 2 times.

Deck Officer Mr. Clancy Recorder J. Tittel

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.		M.		M. Down.			Up.		M.
5	03	30				0	5	05	00	5	12	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog~~ No. 6580 Date, Jan 21, 1913

Sdg. Mch. Hand line Reel Shot / Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 50° Time 10:02 / Time Air 47°

Density: Surf. fms.

Wind: Direction West Force 1

Baromet. 30.26 Amt. of Clouds 3 State of Sea 2

Weather hzy

Direction and Force of Current. Surface / Bottom

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 5' Coester trawl

Time towing h. 10 m.

Remarks:

Deck Officer Bosun King Recorder C. E. De Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
... M.	Down.		Up.	... M.			a M.	Down.		Up.	a M.	
Orange peel						0	9	38	00	9	38	50
Bucket						100						
5-830 - a						200						
11 fath						300	9	40	50	9	42	00
Tailed to fill bucket						400						
first time.						500						
						600						
						700						
						800						
						900						
5' Coaster trawl						1000	9	46	15	9	53	50
11 fath						1100	9	47	45	9	54	30
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
Orange peel bucket						1800	10	00	20	10	01	35
10½ fath						1900						
5-830 - B						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
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						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog~~ } No. 5831 Date, Jan 21, 1913

Sdg. Mch. Hand line Reel ..... Shot / Lead } ..... lbs.

Turns ..... Cor'n ..... Depth 13 fms.

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

Character of Bottom .....

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

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

Temp. Surf. { 50° Time 10:25 / ..... Time ..... } Air { 48° / ..... }

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

Wind: Direction West Force 1

Baromet. 30.25 Amt. of Clouds 3 State of Sea S

Weather hazy

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

Tide .....

General Locality .....

Position .....

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

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

Depth of Haul bottom

Apparatus and Rig used .....

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

Remarks: .....

Deck Officer Reuben Kings Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A.M.	Down.		Up.	A.M.			A.M.	Down.		Up.	A.M.	
Orange peel bucket 13 fath.						0	10	22	00	10	23	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						4200						
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						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5305 Date, Jan 21, 1913

Sdg. Mch. T.N. Reel T.N. Shot Lead 14 lbs.

Turns ..... Cor'n ..... Depth 11 fms.

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

Character of Bottom .....

Thermom. Make N.Z. No. L: R: Cor'n Instr. ..... Stem. .....

Bottom Reading L: 48.3 R: 48.2 Cor'd Temp. 48.18

Temp. Surf. 47.5 Time 11.42 / 47.23 Time ..... Air 48°

Density: Surf. ..... fms.

Wind: Direction Variable Force 1-2

Baromet. 30.22 Amt. of Clouds 4 State of Sea S

Weather bcz.

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

Tide Flood

General Locality .....

Position .....

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

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

Depth of Haul Intermediate

Apparatus and Rig used 4' Inter., 2 Kofoids, 150# sinker

Time towing ..... h. 12 m.

Remarks: Eckman water bottle used

Deck Officer Boin King Recorder C.E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
a M. Down.			Up. a M.				a M. Down.			Up. a M.		
11	34	00	11	48	00	0	11	36	00	11	48	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						4800						
						4900						

Dredge / Hydrog. No. 5306 Date, Jan 21, 1923

Sdg. Mch. Lanine Reel Tin Shot / Lead 14 lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make N. Z. No. L1010 P1023 Cor'n Instr. Stem.

Bottom Reading L 47.9 P. 47.8 Cor'd Temp. 47.78

Temp. Surf. 48 Time 12:28 P 47.73 Time Air 44°

Density: Surf. fms.

Wind: Direction North Force 1

Baromet. 30.21 Amt. of Clouds 5 State of Sea S

Weather bay

Direction and Force of Current. Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter.

Apparatus and Rig used 4 Inter 2 Records 150# weight

Time towing h. 10 m.

Remarks: Eckman water bottle used

Used Bottom Sampler

Deck Officer M. King Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
12 M. Down.			Up. 12 M.				12 M. Down.			Up. 12 M.		
12	17	50	12	27	00	0	12	17	50	12	17	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
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						4200						
						4300						
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						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5307 Date, Jan 21, 1913

Sdg. Mch. Tanner Reel T.N. Shot Lead 14 lbs.

Turns ..... Cor'n ..... Depth 10 fms.

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

Character of Bottom .....

Thermom. Make N.Z. No. L1019 R1023 Cor'n Instr. ..... Stem. .....

Bottom Reading L 47.2 R 47.1 Cor'd Temp. 47.08

Temp. Surf. 47.1 Time 1111 C; 46.83 Time ..... Air 45

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

Wind: Direction N. Force 1

Baromet. 30.17 Amt. of Clouds 6 State of Sea S

Weather bcy.

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter.

Apparatus and Rig used 4 Inter: 2 ft of ords 150 ft weight.

Time towing ..... h. 11 m.

Remarks: Ekerman water bottle used

Used Bottom Sampler

Deck Officer M McKinney Recorder W Snider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				P. M. Down.			Up. P. M.		
1	01	00	1	11	00	0	1	01	00	1	12	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						1700						
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						3900						
						4000						
						4100						
						4200						
						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. } No. 5308 Date, Jan 21, 1913

Sdg. Mch. Tanner Reel TN. ~~Shot~~ Lead } 14 lbs.

Turns ..... Cor'n ..... Depth 6 fms.

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

Character of Bottom .....

Thermom. { Make N. Z. / No. L. 1019 R 1023 } Cor'n { Instr. ..... / Stem. ..... }

Bottom Reading L. 46.8 R 46.7 Cor'd Temp. 46.68

Temp. Surf. { 46.9 Time 1:43 P. / ~~46.63~~ Time ..... } Air { 47° / ..... }

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

Wind: Direction N. Force 1

Baromet. 30.13 Amt. of Clouds 9 State of Sea S

Weather bag.

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter.

Apparatus and Rig used 4' Inter: 2 Kafords 150# Weight

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

Remarks: Eckman water bottle used

Used Bottom Sampler

Deck Officer Mr. King Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				P. M. Down.			Up. P. M.		
1	32	00	1	42	00	0	1	32	00	1	42	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4000						
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						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5309 Date, Jan 21, 1913

Sdg. Mch. Lanner Reel I.M. ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 10 fms.

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

Character of Bottom .....

Thermom. Make N.Z. No. L1019 R1023 Cor'n Instr. ..... Stem. .....

Bottom Reading L46 R46 Cor'd Temp. 45.93

Temp. Surf. 46.1 Time 2:20P Time ..... Air 48

45.83

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

Wind: Direction N Force 1

Baromet. 30.13 Amt. of Clouds 8 State of Sea S

Weather bag.

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. 2 9 fords 150# weight

Time towing ..... h. 10 m.

Remarks: Eckman water bottle used

Used Bottom Sample

Deck Officer Mr. King Recorder J. W. Cardy

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				P. M. Down.			Up. P. M.		
2	09	00	2	19	00	0	2	09	00	2	19	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						3900						
						4000						
						4100						
						4200						
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						4500						
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						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5310 Date, Jan 21, 1913

Sdg. Mch. Lanner Reel M Shot Lead 14 lbs.

Turns ..... Cor'n ..... Depth 5 fms.

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

Character of Bottom .....

Thermom. Make N. Z. No. L1019 R1023 Cor'n Instr. ..... Stem. .....

Bottom Reading L.46 R.46 Cor'd Temp. 45.93

Temp. Surf. 46.1 Time 2:42 P Time ..... 45.83 Air 49°

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

Wind: Direction Calm Force 0

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

Weather Bcg.

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. 2 Kafords 150# Weight.

Time towing ..... h. 10½ m.

Remarks: Eckman water bottle used.

Used Bottom Sampler

Deck Officer M. King Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				P. M. Down.			Up. P. M.		
2	32	00	2	42	00	0	2	32	00	2	42	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						4800						
						4900						

~~Dredge~~ Hydrog. No. 5311 Date, Jan 21, 1913

Sdg. Mch. Tanner Reel TM ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 5 fms.

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

Character of Bottom .....

Thermom. Make N.Z. No. L101 9R102 S Cor'n Instr. ..... Stem. .....

Bottom Reading L 46 R 46 Cor'd Temp. 45.93

Temp. Surf. 46 Time 3:07 P. 45.73 Time ..... Air .....

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

Wind: Direction Calm Force 0

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

Weather bag

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 2 9 Kofords: 150 # weight

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

Remarks: Eckman water bottle used.

Used Bottom Sampler.

Deck Officer M. King Recorder J. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
T.	M. Down.		Up.	T.	M.		T.	M. Down.		Up.	T.	M.
2	55	30	3	05	30	0	2	56	00	3	06	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						3900						
						4000						
						4100						
						4200						
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						4700						
						4800						
						4900						

Dredge / Hydrog. No. 5312 Date, Jan 21, 1913

Sdg. Mch. Tanner Reel In Shot / Lead 14 lbs.

Turns ..... Cor'n ..... Depth 5 fms.

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

Character of Bottom .....

Thermom. Make N. Z. No. L104924 R108019 Cor'n Instr. ..... Stem. .....

Bottom Reading L. 46 R. 45.9 Cor'd Temp. 45.88

Temp. Surf. 46 Time 3:30 P Air .....
N.Z. 108011 45.73 Time .....

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

Wind: Direction Calm Force 0

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

Weather bag

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

Tide .....

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter.

Apparatus and Rig used 4 Inter: 2 Kofords 150# weight

Time towing ..... h. 10 m.

Remarks: Eckman water bottle used.

Used Bottom Sampler

Deck Officer Mr. King Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up. P M.				P M. Down.			Up. P M.		
3	20	00	3	30	00	0	3	20	00	3	30	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5832 Date, Jan. 27, 1913

Sdg. Mch. Hendley Reel — ~~Shot~~ / Lead 14 lbs.

Turns ..... Cor'n ..... Depth 9½ fms.

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

Character of Bottom .....

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

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

Temp. Surf. 48° Time 10:00 a Time ..... Air 50°

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

Wind: Direction Calm Force 0

Baromet. 30.25 Amt. of Clouds 7 State of Sea 8

Weather Fog.

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

Tide Ebb

General Locality .....

Position .....

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

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

Depth of Haul Bottom

Apparatus and Rig used Orange-peel Bucket.

Time towing ..... h. — m.

Remarks: Dropped Orange-peel Bucket twice on the same Station.

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.					
.... M.	Down.	Up.	.... M.			.... M.	Down.		Up.	.... M.	
Orange-peel Bucket					0	9	57	00	9	57	10
					100						
					~~200~~	10	02	00	10	02	07
					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. 5313 Date, Jan 27, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns + Cor'n Depth 7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make N.Z. No. L:104924 R:108018 Cor'n Instr. Stem.

Bottom Reading L: 46.8 R: 46.7 Cor'd Temp. 46.68

Temp. Surf. 46.8 Time 12:18 46.53 Time Air 65°

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.19 Amt. of Clouds 0 State of Sea S

Weather bz

Direction and Force of Current. Surface 20 rev to 37 sec Bottom 20 " " 32 "

Tide ~~Ebb Flood~~ Commencing flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter, 2 Kofoids, 150# sinker

Time towing h. 18 m.

Remarks: Eckman water bottle used Towed 11 min while at anchor and 7 min while under way.

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		P. M. Down.			Up.		P. M.
12	17	00	12	27	00	0	12	16	20	12	24	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5314 Date, Jan. 27, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 5 fms.

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

Character of Bottom .....

Thermom. Make N. Z. Cor'n Instr. .....

No. 104924 | 108018 Stem. .....

Bottom Reading 47.0° | 47.0° Cor'd Temp. 46.93

Temp. Surf. 47.2° Time 12:58 p Air 67.5°

46.93 Time .....

Density: Surf. ..... fms.

Wind: Direction Calm Force 0

Baromet. 30.18 Amt. of Clouds 2 State of Sea S

Weather Very

Direction and Force of Current. Surface 20 revs in 29 sec.

Bottom 20 " " 29 "

Tide Flood

General Locality .....

Position .....

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

Drift: Direction Anchored Distance –

Depth of Haul Inter

Apparatus and Rig used 4' Inter & 2 Kfds.

Time towing ..... h. 12 m.

Remarks: Eckman water bottle used –

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.		Down.	Up.	P. M.			P. M.		Down.	Up.	P. M.	
12	48	00	12	58	00	0	12	48	00	1	00	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						2800						
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						3000						
						3100						
						3200						
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						3600						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5315 Date, Jan. 27, 1923

Sdg. Mch. TK Reel TK ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 5 fms.

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

Character of Bottom .....

Thermom. Make N.O. No. 104924 | 108018 Cor'n Instr. ..... Stem. .....

Bottom Reading 51° | 51.3° Cor'd Temp. 51.08

Temp. Surf. 47.3° Time 1:41:15 Air 69°
47.03 Time .....

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

Wind: Direction Calm Force 0

Baromet. 30.16 Amt. of Clouds 2 State of Sea S

Weather Fog

Direction and Force of Current. Surface 31 min. in 40 sec. Bottom .....

Tide Flood.

General Locality .....

Position .....

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

Drift: Direction Southwest Distance —

Depth of Haul Inter.

Apparatus and Rig used 4' Inter., 2 Kfds.

Time towing h. 11 m.

Remarks: Eastman water-bottle used

Note water sample on this station — see difference in bottom and surf. temp.

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up. P M.				P M. Down.			Up. P M.		
1	11	15	1	21	15	0	1	11	15	1	22	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. } No. 5316 Date, Jan 27, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead } 14 lbs.

Turns ..... Cor'n ..... Depth 5 fms.

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

Character of Bottom .....

Thermom. { Make N. 3. No. 104924 | 108018 Cor'n { Instr. ..... Stem. .....

Bottom Reading 47.5 | 47.5 Cor'd Temp. 47.43

Temp. Surf. { 47.8 Time 1:43 p 47.53 Time ..... } Air { 69

Density: Surf. ..... fms.

Wind: Direction Calm Force 0

Baromet. 30.15 Amt. of Clouds 2 State of Sea S

Weather Hazy

Direction and Force of Current. { Surface 30 revs in 48 sec. Bottom 30 " " 42 "

Tide Flood.

General Locality .....

Position .....

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

Drift: Direction Anchored Distance —

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Kfbs.

Time towing ..... h. 11 m.

Remarks: Eckman water bottle used

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. DOWN.			UP.		M.		M. DOWN.			UP.		M.
1	33	00	1	43	00	0	1	32	00	1	44	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
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						3500						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5317 Date, Jan 27th, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 7 fms.

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

Character of Bottom .....

Thermom. Make NZ Cor'n Instr. .....

No. 104924 - 108018 Stem. .....

Bottom Reading 47.3° | 47.3° Cor'd Temp. 47.23

Temp. Surf. 48.1° Time 7:17:20 Air 63.5°

47.83 Time .....

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

Wind: Direction Calm Force 0

Baromet. 30.14 Amt. of Clouds 2 State of Sea S

Weather bcy

Direction and Force of Current. Surface 50 secs. in 45 sec

Bottom 50 " " 41 "

Tide Flood

General Locality .....

Position .....

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

Drift: Direction Anchored Distance —

Depth of Haul Inter.

Apparatus and Rig used 4' Inter, 2 N fds.

Time towing ..... h. 11 m.

Remarks: Eckman water bottle used

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		P. M. Down.			Up.	P. M.	
2	02	20	2	12	20	0	2	02	30	2	13	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
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						3500						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5318 Date, Jan 27, 1923

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns Cor'n Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make N Z Cor'n Instr.
No. 104924 108018 Stem.

Bottom Reading 47.2° | 47.2° Cor'd Temp. 47.18

Temp. Surf. 48.2° Time 2:48:40 P Air 68°
47.93 Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.14 Amt. of Clouds 2 State of Sea S

Weather bog

Direction and Force of Current. Surface 60 revs. in 47 sec.
Bottom 60 " " 45 "

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance —

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Kofoids

Time towing h. 11 m.

Remarks: Eckman water bottle used

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.		Up.	M.			M.	Down.		Up.	M.	
2	33	40	2	43	40	0	2	34	00	2	45	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						3100						
						3200						
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						3900						
						4000						
						4100						
						4200						
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						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5319 Date, Jan 27, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make NZ Cor'n Instr.

No. 104924 - 108018 Stem.

Bottom Reading 47.9° | 47.8° Cor'd Temp. 47.78

Temp. Surf. 48.0° Time 3:18:20 P Air 69°

47.73 Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.13 Amt. of Clouds 4 State of Sea S

Weather

Direction and Force of Current. Surface 20 Twos, in 40 sec.

Bottom 25 " " 46 "

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction anchored Distance —

Depth of Haul Inter

Apparatus and Rig used 4' Inter & 2 Kfb.

Time towing h. 12 m.

Remarks: Eckman water bottle used.

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.	P. M.			P. M. Down.			Up.	P. M.	
3	08	20	3	18	20	0	3	08	00	3	20	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						3900						
						4000						
						4100						
						4200						
						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5320 Date, Jan 27, 1913

Sdg. Mch. TN Reel TN ~~Shot~~ Lead 14 lbs.

Turns Cor'n Depth 11 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make NZ Cor'n Instr.

No. 104924 – 108018 Stem.

Bottom Reading 48.5 | 48.3 Cor'd Temp. 48.33

Temp. Surf. 48.5 Time 3:54:05 p Air 63°

48.23 Time

Density: Surf. fms.

Wind: Direction NW Force 1

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

Weather Hy

Direction and Force of Current. Surface 20 revs. in 42 seads.

Bottom 26 " " 41 "

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance –

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Kfds.

Time towing h. 11 m.

Remarks: Eckman water bottle used

Deck Officer Mr. King Recorder [illegible]

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up. P M.				P M. Down.			Up. P M.		
3	44	05	3	54	05	0	3	44	00	3	55	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4000						
						4100						
						4200						
						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / ~~Hydrog.~~ No. 5833 Date, Jan 27, 1913

Sdg. Mch. Hand Reel ~~Shot~~ / Lead 14 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 48° Time 4:20 / Time Air 63°

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.13 Amt. of Clouds 0 State of Sea 2

Weather Fog.

Direction and Force of Current. Surface / Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange-peel Bucket

Time towing h. m.

Remarks:

Deck Officer Mr. King Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
---- M. Down.			Up.		---- M.		σ M. Down.			Up. σ ---- M.		
						0	4	17	20	4	19	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						1600						
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						1800						
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						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge / Hydrog. No. 5321 Date, Jan 28, 1913

Sdg. Mch. Tanner Reel T.N. Shot / Lead 14 lbs.

Turns ..... Cor'n ..... Depth 8 fms.

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

Character of Bottom .....

Thermom. Make N.Z. No. 104924-108018 Cor'n Instr. ..... Stem. .....

Bottom Reading L 47.5 R 47.4 Cor'd Temp. 47.38

Temp. Surf. 47.3 Time 2:22 P. / 47.03 Time ..... Air 58°

Density: Surf. ..... fms.

Wind: Direction N & E. Force 0-1

Baromet. 30.17 Amt. of Clouds 5 State of Sea S

Weather P.S.

Direction and Force of Current. Surface 25 Reso: 47 sec. Bottom .....

Tide Ebb at surface
Flood under "

General Locality .....

Position .....

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

Drift: Direction Anchored. Distance .....

Depth of Haul Inter.

Apparatus and Rig used 4' Inter: 2 39 forks.
150# weight.

Time towing ..... h. 4 m.

Remarks: Eckman water bottle used.
Towed 4 minutes underway

Deck Officer Mr. Rettig Recorder H. W. Crider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		P. M. Down.			Up.		P. M.
2	11	00	2	31	00	0	2	27	00	2	31	00
						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. 5322 Date, Jan 28, 1913

Sdg. Mch. Tanner Reel T.N. ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 8 fms.

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

Character of Bottom .....

Thermom. Make N.Z. Cor'n Instr. .....
No. 104924-108018 Stem. .....

Bottom Reading L47.7 R47.5 Cor'd Temp. 47.53

Temp. Surf. 47.2 Time 2:48 P. Air 53°
46.93 Time .....

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

Wind: Direction North Force 0-1

Baromet. 30.18 Amt. of Clouds 6 State of Sea S

Weather P.i.S.

Direction and Force of Current. Surface 7 Rev: 49 sec
Bottom .....

Tide Flood.

General Locality .....

Position .....

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

Drift: Direction Anchored. Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 2 9/4 fords.
150# weight.

Time towing ..... h. 14½ m.

Remarks: Eckman water bottle used.

Towed 3 minutes underway

Deck Officer Mr. Rettig Recorder H. W. Snider

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up. P M.				P M. Down.			Up. P M.		
2	38	00	2	48	00	0	2	38	00	2	52	30
						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						
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						2800						
						2900						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5323 Date, Jan 28, 1913

Sdg. Mch. Tanner Reel T.N. ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 8 fms.

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

Character of Bottom .....

Thermom. Make N. Z. No. 104924-108018 Cor'n Instr. ..... Stem. .....

Bottom Reading L 48.4 R 48.3 Cor'd Temp. 48.28

Temp. Surf. 48.2 Time 3:37 P. 47.93 Time ..... Air 54°

Density: Surf. ..... fms.

Wind: Direction north Force 0-1

Baromet. 30.18 Amt. of Clouds 7 State of Sea S

Weather c. i. S.

Direction and Force of Current. Surface 10 Rev 80 sec Bottom .....

Tide Flood

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 2 Tea foods. 150 # weight

Time towing ..... h. 13½ m.

Remarks: Eckman water bottle used

Towed 3 minutes underway.

Deck Officer Mr. Pettig Recorder H. W. Crider

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		P. M. Down.			Up.		P. M.
3	02	30	3	12	30	0	3	03	00	3	16	30
						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						
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						2900						
						3000						
						3100						
						3200						
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						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5324 Date, Jan 28, 1913

Sdg. Mch. Tanner Reel T.N. ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 10 fms.

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

Character of Bottom .....

Thermom. Make N.Z. No. 104924-108018 Cor'n Instr. ..... Stem. .....

Bottom Reading L. 48.5 R. 48.3 Cor'd Temp. 48.33

Temp. Surf. 48.2 Time 3:35P Air 54°

47.93 Time .....

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

Wind: Direction North Force 0 - 1

Baromet. 30.18 Amt. of Clouds 8 State of Sea S

Weather C.I.S.

Direction and Force of Current. Surface 20 Revo 44 sec

Bottom .....

Tide Flood.

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 2 Kofords 150# weight

Time towing ..... h. 10 m.

Remarks: Eckman water bottle used

Deck Officer Mr Rettig Recorder H. W. Crider

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.	M. Down.		Up.	P.	M.		P.	M. Down.		Up.	P.	M.
3	24	00	3	34	00	0	3	24	00	3	34	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						1500						
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						1700						
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						4000						
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						4300						
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						4500						
						4600						
						4700						
						4800						
						4900						

~~Dredge~~ Hydrog. No. 5325 Date, Jan. 28, 1913

Sdg. Mch. Tanner Reel T.W. ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 8 fms.

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

Character of Bottom .....

Thermom. Make N. Z. No. 104924-108018 Cor'n Instr. ..... Stem. .....

Bottom Reading L. 48.6° R. 48.4° Cor'd Temp. 48.43

Temp. Surf. 48.5° Time 3:48 / 48.23 Time ..... Air 55°

Density: Surf. ..... fms.

Wind: Direction Variable Force 0-1

Baromet. 30.18 Amt. of Clouds 9 State of Sea S

Weather bcz.

Direction and Force of Current. Surface 24 rev. in 40 sec. Bottom .....

Tide Flood.

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter

Apparatus and Rig used 4' Inter. 2 Ft of ords. 150# weight

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

Remarks: Eckman water bottle used. Towed 10 min at anchor and seen under way

Deck Officer Mr Rettig Recorder H. W. Snider C.E. DeLong.

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up.		P M.		P M. Down.			Up.		P M.
3	46	00	3	52	00	0	3	47	00	4	02	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						4600						
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						4800						
						4900						

~~Dredge~~ Hydrog. No. 5326 Date, Jan 28, 1913

Sdg. Mch. T. N. Reel T. N. ~~Shot~~ Lead 14 lbs.

Turns Cor'n Depth 19 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make V. Z. No. L:104924 R: 108018 Cor'n Instr. Stem.

Bottom Reading L 49° R 48.9° Cor'd Temp. 48.88

Temp. Surf. 48.4° Time 4:09 Time 48.13 Air 55°

Density: Surf. fms.

Wind: Direction Variable Force 0 — 1

Baromet. 30.19 Amt. of Clouds 8 State of Sea S

Weather bczf

Direction and Force of Current. Surface 35 rev in 30 sec. Bottom

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter; 2 Kofoids, 150# sinker.

Time towing h. 10 m.

Remarks: Eckman water bottle used

Deck Officer Boan Rittig Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M. Down.			Up.		P.M.		P.M. Down.			Up.		P.M.
4	08	30	4	18	30	0	4	09	20	4	08	50
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						1500						
						1600						
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						2500						
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						2700						
						2800						
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~~Dredge~~ Hydrog. No. 5327 Date, Jan 28, 1913

Sdg. Mch. T. N. Reel T. N. ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 10 fms.

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

Character of Bottom .....

Thermom. Make N. Z. No. L:104924 R:108018 Cor'n Instr. ..... Stem. .....

Bottom Reading L: 49.0° R: 49.8 Cor'd Temp. 48.93

Temp. Surf. 48.5° Time 51.0° 48.25 Time ..... Air 51°

Density: Surf. ..... fms.

Wind: Direction Variable Force 0 - 1

Baromet. 30.19 Amt. of Clouds 9 State of Sea S

Weather bczf

Direction and Force of Current. Surface 20 rev in 46 sec Bottom .....

Tide Flood

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul Inter.

Apparatus and Rig used 4' Inter, 2 Kofoids, 150 lbs. sinker.

Time towing ..... h. 10 m.

Remarks: Eckman water bottle used

Deck Officer Bosn Rettig Recorder C. E. De Long

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M.	Down.		Up.	P. M.			P. M.	Down.		Up.	P. M.	
4	29	30	4	39	30	0	4	31	00	4	31	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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~~Dredge~~ Hydrog. No. 5328 Date, Jan 28, 1913

Sdg. Mch. T. M. Reel T. M. ~~Shot~~ Lead 14 lbs.

Turns ..... Cor'n ..... Depth 11 fms.

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

Character of Bottom .....

Thermom. Make N. Z. Cor'n Instr. .....
No. L: 104094 R: 108018 Stem. .....

Bottom Reading L: 49.1° R: 49.0° Cor'd Temp. 48.98

Temp. Surf. 49.0° Time 5:12 / 48.73 Time ..... Air 50°

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

Wind: Direction Variable Force 0-1

Baromet. 30.19 Amt. of Clouds 9 State of Sea S

Weather bcy.

Direction and Force of Current. Surface 24 revs in 42 sec. / Bottom 30 " " 40 "

Tide Flood

General Locality .....

Position .....

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

Drift: Direction Anchored Distance .....

Depth of Haul bottom

Apparatus and Rig used 4' Intermediate, 2 Kofoids, 150# sinker

Time towing ..... h. 10½ m.

Remarks: Eckman water bottle used.

Deck Officer Bosn Rittig Recorder C. E. DeLong

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P.M.	Down.		Up.		P.M.		P.M.	Down.		Up.		P.M.
5	00	00	5	10	00	0	5	00	30	5	10	30
						100						
						200						
						300						
						400						
						500						
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Dredge / ~~Hydrog.~~ No. 5834 Date, Feb 3, 1913

Sdg. Mch Hand lead Reel ..... ~~Shot~~ / Lead 14 lbs.

Turns ..... Cor'n ..... Depth 11 fms.

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

Character of Bottom .....

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

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

Temp. Surf. { 49 Time 10:08 / ..... Time ..... } Air { 57 / ..... }

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

Wind: Direction SE Force 0 to 1

Baromet. 30.19 Amt. of Clouds 10 State of Sea S

Weather Of

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

Tide .....

General Locality .....

Position .....

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

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

Depth of Haul Bottom

Apparatus and Rig used Orange Peel Bucket

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

Remarks: .....

Deck Officer Mr King Recorder CA Cook

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
___ M. DOWN.			UP. ___ M.				A M. DOWN.			UP. 4 M.		
						0	10	06	40	10	07	50
						100						
						200						
						300						
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Dredge ~~Hydrog.~~ No. 5835 Date, Feb 3, 1913

Sdg. Mch. A and lead Reel Shot Lead 14 lbs.

Turns Cor'n Depth 7 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 49 Time 10.40 Time Air 57

Density: Surf. fms.

Wind: Direction SE Force 0 To 1

Baromet. 30.19 Amt. of Clouds 10 State of Sea S

Weather Of

Direction and Force of Current. Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange Red Bucket

Time towing h. m.

Remarks:

Deck Officer Marking Recorder C L Cook

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
___ M. Down.			Up.	___ M.			a. M. Down.			Up.	a. M.	
						0	10	38	–	10	39	30
						100						
						200						
						300						
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Dredge / ~~Hydrog.~~ No. 5836 Date, Feb 3, 1913

Sdg. Mch. Lundlund Reel ~~Shot~~ / Lead 14 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. 49 Time 11.06 / Time Air 48

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.18 Amt. of Clouds 6 State of Sea S

Weather bc 7

Direction and Force of Current. Surface / Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange Peel Bucket

Time towing h. m.

Remarks:

Deck Officer Mr. King Recorder C. A. Cook

11—1023

11—1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
... M. Down.			Up.		... M.		A M. Down.			Up. A M.		
						0	11	04	35	11	05	20
						100						
						200						
						300						
						400						
						500						
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