

H5260-
5290.

D5814-
5826.

507

-5812-a

Dredge } No. 5256 a Date, Nov. 27, 1912
Hydrog. }

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

Turns Cor'n Depth 1 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make n 3
No. J. R. Cor'n { Instr.
Stem.

Bottom Reading 54.5 P 55 Cor'd Temp.

Temp. Surf. { 54.5 Time 11:09 A } Air {
Time

Density: Surf. fms.

Wind: Direction Force 0

Baromet. Amt. of Clouds 1 State of Sea S

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks: Taken from Oyster Companies launch 7th st and a number of Oyster specimens were secured by means of Oyster tong.

Beck Office Mr. Peterfield Recorder H. W. Coker 11-1023

SOUNDING WIRE.

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

10 59 00 | 11 09 00

FMS.

DREDGING CABLE.

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

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

Ways Dept. Long B
Handy.

*Copied into
frame book.*

Dredge } No. 5812 B Date, Nov. 27, 1912
Hydrog. }

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

Turns Cor'n Depth 1 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 3 Cor'n { Instr. Stem.

Bottom Reading 2, 54.5 1, 54.8 Cor'd Temp.

Temp. Surf. { 54.5 Time } Air { Time }

Density: Surf. fms.

Wind: Direction Force 0

Baromet. Amt. of Clouds 1 State of Sea 5

Weather

Direction and Force of Current { Surface Bottom }

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks: As before

Deck Officer J. B. Starfield Recorder H. W. C. Eiker

SOUNDING WIRE.

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

11 20 00 11 30 00

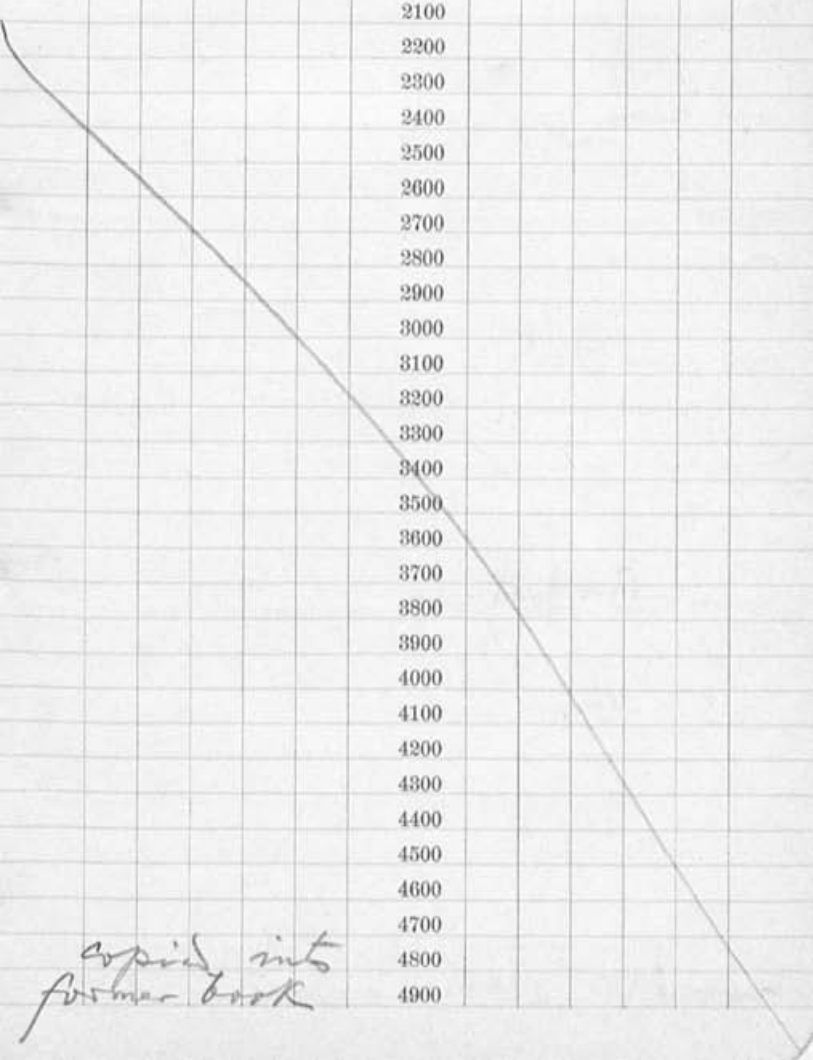
FMS.

DREDGING CABLE.

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

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1400
1500
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1800
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2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

No. before



copied into former book

Dredge Hydrog. No. 5257 Date, Nov. 27, 1912
Sdg. Mch. Hand line Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 14 fms
Sdg. Cup Amt. Bot'm Sample 1/4 end of haul
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0

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

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Plankton 2 Refs

Time towing _____ h. 0 m.

Remarks: 4' Plankton towed from stern of Ayres Company's launch Platow.

Deck Officer Mr. Peterfield Recorder H. W. Carter

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

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

0	11	33	30	11	43	30
100						
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
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3100						
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4900						

*Copied into
former book*

5813

Hydrog. No. 5258-a Date, Nov. 27, 1912

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

Turns Cor'n Depth 1 1/2 fms.

Sdg. Cup Amt. Bot'm Sample 1 1/2 end of haul

Character of Bottom

Thermom. { Make N. 31 Cor'n { Instr. No. 2 R. Stem.

Bottom Reading 2.55 P. 55.2 Cor'd Temp.

Temp. Surf. { 55.2 Time 12:58 P. Air {

Density: Surf. fms.

Wind: Direction Force 0-1

Baromet. Amt. of Clouds 3 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Intei

Apparatus and Rig used 4' Charleston 2 7/8 fms.

Remarks: Taken from Morgan Oyster Pg's Sample Plateau

A number of oyster specimens were secured by means of hand oyster tongs.

4' Intei. towed from stern of Morgan Oyster Co. vessel Klatawa

Deck Officer Mr. Peterfield Recorder J. W. Coker

SOUNDING WIRE.

P. M. Down.		Up.	P. M.		
12	48	00	12	58	00

FMS.

DREDGING CABLE.

P. M. Down.		Up.	P. M.		
1	02	00	1	12	00

0
100
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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
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2900
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3100
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*Copied into
preceding book*

Dredge } No. 5257 Date, Nov. 27, 1912
Hydrog. }
Sdg. Mch. Handline Reel Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 1 1/2 fms. (at of haul)
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make T. 3 Cor'n { Instr. _____
 { No. L. P. { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0

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

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inte

Apparatus and Rig used 4' Plankton 2 3 reefs.

Time towing h. 10 m.

Remarks: 4' Plankton towed from
Aron of Morgan Oyster Co's
harbour, Ft. Stewart.

Deck Officer Mr. [Signature] Recorder [Signature]

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
<i>P</i> M. Down.	Up.	<i>P</i> M.			<i>P</i> M. Down.	Up.	<i>P</i> M.			
				0	1	02	00	1	12	00
				100						
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
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				2600						
				2700						
				2800						
				2900						
				3000						
				3100						
				3200						
				3300						
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				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
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				4900						

*Copied into
primary bk.*

5814-a

Dredge } No. 5260-a Date, Nov 27, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 1-45 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make n. 3. No. 2. Cor'n { Instr. R. Stem. _____

Bottom Reading 55.5 R 55.8 Cor'd Temp. 55.31

Temp. Surf. { 55.5 Time 2:57 } Air { 55.23 Time _____ } Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0

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

Weather _____

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 Hand Oyster Tong.

Remarks: Taken from Morgan Oyster Co's launch Kikogawa. Time towing h. m.

A number of oyster specimens were secured by means of a hand oyster tong.

Deck Officer Mr. Postfield Recorder H. W. Coker

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2	47	00	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

5814-B

Dredge Hydrog. No. 5260-B Date, Nov. 27, 1912

Sdg. Mch. Handline Reel Shot/Lead 14 lbs.

Turns Cor'n Depth 1 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make n. 3j. Cor'n { Instr. No. R Stem.

Bottom Reading 55.4 R. 55.8 Cor'd Temp. 55.26

Temp. Surf. { 55.4 Time 3:13 P. Air { 55.13 Time

Density: Surf. fms.

Wind: Direction Force 0

Baromet. Amt. of Clouds 3 State of Sea S

Weather

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 oyster hand tongs

Remarks: As before Time towing h. m.

Deck Officer Mr Porterfield Recorder J. W. Crider

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
<i>P</i> M. Down.	Up.	<i>P</i> M.	M. Down.		Up.	M.					
3	02	30	3	12	30						
				0							
				100							
				200							
				300							
				400							
				500							
				600							
				700							
				800							
				900							
				1000							
				1100							
				1200							
				1300							
				1400							
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				1600							
				1700							
				1800							
				1900							
				2000							
				2100							
				2200							
				2300							
				2400							
				2500							
				2600							
				2700							
				2800							
				2900							
				3000							
				3100							
				3200							
				3300							
				3400							
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				3600							
				3700							
				3800							
				3900							
				4000							
				4100							
				4200							
				4300							
				4400							
				4500							
				4600							
				4700							
				4800							
				4900							

Dredge } No. 5261 Date, Nov. 27, 1912
Hydrog. }
Sdg. Mch. Handline Reel Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 1 1/4 end of haul fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0

Baromet. _____ Amt. of Clouds 3 State of Sea 5

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inte.

Apparatus and Rig used 4' Plankton: 2 Koford's

Time towing h. 10 m.
Remarks: 4' Plankton towed from stern of Mergo Oyster Co's launch Relatowa.

Deck Officer Mr. Poterfield Recorder H. B. ...
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		<i>P</i> M. Down.	Up.	<i>P</i> M.			
			0	3	16	00	3	26	00
			100						
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
			2100						
			2200						
			2300						
			2400						
			2500						
			2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Dredge } No. 5262 Date, Dec 3, 1912
Hydrog. }

Sdg. Mch. TT Reel TW Shot 14 lbs.
Lead

Turns _____ Cor'n _____ Depth 12 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make TT No. 2 Cor'n { Instr. _____
Stem. _____

Bottom Reading 53.2 - 53.0 Cor'd Temp. 53.03

Temp. Surf. { 53.0 Time 10:26 AM Air { 51
52.73 Time _____

Density: Surf. _____ fms. _____

Wind: Direction SE Force 1

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

Weather of

Direction and Force of Current { Surface { 26 in 40 per
28 " 40 "
Bottom _____

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Tinter

Apparatus and Rig used 4' Tinter & 2 RFD.

Time towing _____ h. 11 m.

Remarks: Ectoman water bottle used.

Deck Officer Mr. Clancy Recorder Arvid

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.		Up.	M.		M. Down.		Up.	M.
10	16 00	10	26 00	0	10	18 00	10	29 00
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
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				1600				
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				1900				
				2000				
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				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5263 Date, Dec. 3, 1912
Hydrog. }
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.S. Cor'n { Instr. _____
 { No. L. - R. { Stem. _____

Bottom Reading 53.1 - 52.0 Cor'd Temp. 52.98

Temp. Surf. { 53. Time 10.17 AM Air { 51
 { 52.73 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction SE Force 1

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

Weather of _____

Direction and Force of Current { Surface { 30 rev. in 32 fms.
 { Bottom { 30 " " 32 "

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Kofoids.

Time towing h. 10 m.

Remarks: Extensive water bot. used.

Deck Officer Mr. Clancy Recorder J. H. H. 7

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
A.M. Down.		Up.	A.M.		A.M. Down.		Up.	A.M.
10	49	00	10	49	00	10	49	00
				0				
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5264 Date, Dec 3, 1912
Hydrog. }
Sdg. Mch. TW Reel TW Shot } 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N.S. Cor'n { Instr. _____
 { No. L. - R. { Stem. _____

Bottom Reading 53.1 - 53.0 Cor'd Temp. 52.98

Temp. Surf. { 53° Time 11:28 a } Air { 51
 { 52.73 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction NW Force 1

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

Weather of

Direction and Force of Current { Surface { 20 rev. in 30 Secs.
 { 30 " " 30 "
 { Bottom { 30 " " 30 "

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Intec.

Apparatus and Rig used 4' Intec & 2 R. Fts.

Time towing _____ h. 11 m.

Remarks: E. T. ... with bot. used.

Deck Officer W. C. ... Recorder S. T. ...

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
A.M. Down.	Up.	A.M.			A.M. Down.	Up.	A.M.	
11	18	-	11 28 -	0	11	18	-	11 29 -
				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				
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				3900				
				4000				
				4100				
				4200				
				4300				
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				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5265 Date, Dec. 3, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 4 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N.S. Instr. _____
No. 2.1019 R. Cor'n 102 Stem. _____

Bottom Reading L: 5.3.1 R: 5.3.0 Cor'd Temp. 52.98

Temp. Surf. { 5.3° Time 12:16 } Air { 68°
52.73 Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-1

Baromet. 30.31 Amt. of Clouds 0 State of Sea 2

Weather by _____

Direction and Force of Current { Surface 35 revs. in 30 Secs.
Bottom 34 " " 30 "

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Koffins.

Time towing h. 1/2 m.

Remarks: Eelworm water bottle used.

Deck Officer Mrs. Chancy Recorder C. H. Long

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
P. M. DOWN.	UP.	P. M.			P. M. DOWN.	UP.	P. M.	
12 05 00	12 15 00			0	12 05 00	12 14 30		
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
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				1500				
				1600				
				1700				
				1800				
				1900				
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				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				

Dredge } No. 5266 Date, Dec 19/2
Hydrog. }
Sdg. Mch. T.N. Reel T.N. Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 8 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make T.G. Cor'n { Instr. _____
 { No. L1019 R11023 { Stem. _____

Bottom Reading L: 53.0° R: 52.8° Cor'd Temp. 52.83

Temp. Surf. { 52.9° Time 12.5-5-0 } Air { 69°
 { 52.63 } { _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-1

Baromet. 30.30 Amt. of Clouds 0 State of Sea S

Weather bz.

Direction and Force of Current { Surface 40 rev in 30 sec
 { 40 " " 30 sec.
 { Bottom _____

Tide Ebb.

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter. + surface

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

Time towing _____ h. 8 1/2 m.

Remarks: Ekman water bottle used

Deck Officer Brin Clancy Recorder C.E. DeLong
11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
<u>P</u> M. Down.	UP.	<u>P</u> M.			<u>P</u> M. Down.	UP.	<u>P</u> M.			
12	44	20		0	12	44	20	12	53	00
				100						
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
				1400						
				1500						
				1600						
				1700						
				1800						
				1900						
				2000						
				2100						
				2200						
				2300						
				2400						
				2500						
				2600						
				2700						
				2800						
				2900						
				3000						
				3100						
				3200						
				3300						
				3400						
				3500						
				3600						
				3700						
				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

Dredge } No. 5267 Date, Dec 3, 1912
Hydrog. }
Sdg. Mch. T.M. Reel T.M. Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 9 1/2 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make A.G. Cor'n { Instr. _____
 { No. L: 1019 R: 1023 { Stem. _____
Bottom Reading L 52.4° R 52.2° Cor'd Temp. 52.23

Temp. Surf. { 52.0 Time 1:36 } Air { 70°
 { 51.73 Time _____ } _____

Density: Surf. _____ fms. _____
Wind: Direction Various Force 0 - 1
Baromet. 30.30 Amt. of Clouds 0 State of Sea 2

Weather by _____

Direction and Force of Current { Surface 50 rev to 36 sec
 { 50 " " 35 "
 { Bottom _____

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter,

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

Time towing _____ h. 11 m.

Remarks: Echinan water bottle used

Deck Officer Boen Clancy Recorder A. H. Long

SOUNDING WIRE.				FMS.	DREDGING CABLE.				
P. M. Down.	Up.	P. M.			P. M. Down.	Up.	P. M.		
1	25	35	1 35	0	1	24	20	1 35	40
				100					
				200					
				300					
				400					
				500					
				600					
				700					
				800					
				900					
				1000					
				1100					
				1200					
				1300					
				1400					
				1500					
				1600					
				1700					
				1800					
				1900					
				2000					
				2100					
				2200					
				2300					
				2400					
				2500					
				2600					
				2700					
				2800					
				2900					
				3000					
				3100					
				3200					
				3300					
				3400					
				3500					
				3600					
				3700					
				3800					
				3900					
				4000					
				4100					
				4200					
				4300					
				4400					
				4500					
				4600					
				4700					
				4800					
				4900					

Dredge } No. 5268 Date, Dec 3, 1912
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot/Lead 14 lbs.

Turns _____ Cor'n _____ Depth 12 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make R.3. Cor'n { Instr. _____
 { No. L1019 R102 } Stem. _____

Bottom Reading L: 52.4 P: 52.2 Cor'd Temp. 52.23

Temp. Surf. { 52.6° Time 150 } Air { 69°
 { 52.33 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-1

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

Weather haze

Direction and Force of Current { Surface { 80 rev in 30 sec
 { 70 " " 30 "
 { 70 " " 32 "

Tide Ebb.

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

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

Time towing h. 10 m.

Remarks: Eckenman water bottle used

Deck Officer Boon Clancy Recorder C. E. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>P</u> M. DOWN.	UP.	<u>P</u> M.		<u>P</u> M. DOWN.	UP.	<u>P</u> M.
1	48	40	0	1	49	20
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 5269 Date, Dec. 4th, 1912
Sdg. Mch. Hammer Reel 7. h. Shot 14 lbs.
Turns _____ Cor'n _____ Depth 10 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make T. 31 Cor'n _____ Instr. _____
 { No. L. 4019 P. 1023 Stem. _____

Bottom Reading L. 52.1 P. 52 Cor'd Temp. 51.98

Temp. Surf. { 53.1 Time 10:10 A } Air { 51
 { 52.83 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction n. n. w. Force 1-2

Baromet. 30.36 Amt. of Clouds 3 State of Sea S

Weather baz

Direction and Force of Current { Surface 40 Rev: 38 Rev: 40 Rev: 30 Rev.
 { 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 T. forks

Time towing h. 13 m.

Remarks: Chalk on water bottle used.

Deck Officer M. King Recorder A. W. Chick

SOUNDING WIRE			FMS.	DREDGING CABLE		
M. Down.	Up.	M.		M. Down.	Up.	M.
9 59 00	10	09 00	0	9 58 00	10 11	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Director Hydrog. } No. 5270 Date, Dec. 4, 1912

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

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make T.T. No. 21019 R. 1023 Cor'n } { Instr. Stem. }

Bottom Reading 53.1 P. 53 Cor'd Temp. 52.98

Temp. Surf. { 53.2 Time 10:51 A } Air { 51 } { 52.93 Time }

Density: Surf. fms.

Wind: Direction n.n.w. Force 1-2

Baromet. 30.36 Amt. of Clouds 3 State of Sea 5

Weather haze

Direction and Force of Current { Surface 50 Pero: 3 / sec. 50 Pero: 3 / sec. 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: 29 Kofas.

Time towing h. 1 2 m.

Remarks: O'Brien water bottle used.

Deck Officer M. King Recorder J. W. Childs

SOUNDING WIRE

M. Down. Up. M.

FMS.

DREDGING CABLE

M. Down. Up. M.

18 40 30 10 50 30

18 40 30 10 52 30

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

Dredge } No. 5271 Date, Dec. 4, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N.Z. Cor'n _____ Instr. _____
 { No. 21019 P. 1023 Stem. _____

Bottom Reading 253.3 P. 53.2 Cor'd Temp. 53.18

Temp. Surf. { 53.5 Time 11:30 A } Air { 51°
 { 53.23 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction n.n.w. Force 1-2

Baromet. 30.36 Amt. of Clouds 3 State of Sea S

Weather haz.

Direction and Force of Current { Surface 50 Revs: 34 sec. 40 Revs: 30 sec.
 { Bottom _____

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Inter. Distance _____

Depth of Haul 4' Inter: 2 20 fms

Apparatus and Rig used _____

Time towing _____ h. 11 m.

Remarks: Eckman water bottle used

Deck Officer M. King Recorder H. W. Bide

SOUNDING WIRE

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

11 19 00 11 29 00

11 19 00 11 30 00

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

Dredge } No. 5272 Date, Dec. 4, 1912
Hydrog. }
Sdg. Mch. Tanner Reel J.N. Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 6 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N.S. } Instr. _____
 { No. 21019 R. 1023 } Cor'n { Stem. _____

Bottom Reading 2.53.3 R. 53.3 Cor'd Temp. 53.23

Temp. Surf. { 53.6 Time 11:58 a } Air { 52
 { 53.33 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction N.W. Force 1-2

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

Weather fog.

Direction and Force of Current { Surface 50 Revs: 34 sec. 50 Revs: 33 sec
 { Bottom _____

Tide Off

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.

Time towing _____ h. 11 m.

Remarks: Peterson water bottle used.

Deck Officer M. King Recorder H. W. Child
11-1023

SOUNDING WIRE.

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

11 48 00 11 58 00

FMS.

DREDGING CABLE.

A. M. Down. Up. M.

11 49 00 12 00 00

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

Dredge } No. 5273 Date, December 4, 1912
Hydrog. }
Sdg. Meh. *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.S.* Cor'n { Instr. _____
 { No. 1019 1023 { Stem. _____

Bottom Reading *52.9* ↓ *53.8* Cor'd Temp. *53.78*

Temp. Surf. { *54.0* Time *19:30:30* } Air { *52*
 { *53.73* Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction *NNW* Force *2*

Baromet. *30.32* Amt. of Clouds *2* State of Sea *S*

Weather *bcy.*

Direction and Force of Current { Surface { *40* revs. in *31* sec.
 { Bottom { *40* " " *32* "

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 Kofrids*

Time towing _____ h. *10* m.

Remarks: *Ectomon w/c bottle used*

Deck Officer *Mr. King* Recorder *A Tuttle*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
17	20	30	0	17	21	30
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5274 Date, December 4, 1912
Hydrog. }
Sdg. Mch. TN Reel TN Shot 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N.Z. Cor'n { Instr. _____
 { No. 1019 | 1023 { Stem. _____

Bottom Reading 53.8 | 53.8 Cor'd Temp. 53.73

Temp. Surf. { 53.9 Time 12:58 } Air { 53
 { 53.63 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction NE Force 1-2

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

Weather bz

Direction and Force of Current { Surface { 40 rev. in 30 sec
 { Bottom { 40 " " 30 "

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 Kofids.

Time towing _____ h. 11 m.

Remarks: Ectoman wtr. bottle used.

Deck Officer Mr. King Recorder Atwater

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
P. M. Down.	Up.	P. M.				P. M. Down.	Up.	P. M.		
12	48	-	12	58	0	12	48	-	12	49 00
					100					
					200					
					300					
					400					
					500					
					600					
					700					
					800					
					900					
					1000					
					1100					
					1200					
					1300					
					1400					
					1500					
					1600					
					1700					
					1800					
					1900					
					2000					
					2100					
					2200					
					2300					
					2400					
					2500					
					2600					
					2700					
					2800					
					2900					
					3000					
					3100					
					3200					
					3300					
					3400					
					3500					
					3600					
					3700					
					3800					
					3900					
					4000					
					4100					
					4200					
					4300					
					4400					
					4500					
					4600					
					4700					
					4800					
					4900					

Dredge } No. 5275 Date, Dec. 4, 1912
Hydrog. }
Sdg. Mch. TN Reel TN Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 4 3/4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N.S. Cor'n { Instr. _____
 { No. 1019 | 1023 { Stem. _____

Bottom Reading 53 | 53 Cor'd Temp. 52.93

Temp. Surf. { 54.8 Time 1:21 } Air { 53
 { 54.53 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction NE Force 1-2

Baromet. 30.30 Amt. of Clouds 2 State of Sea S

Weather *bcy*

Direction and Force of Current { Surface { 50 rev. in 36 sec.
 { Bottom { 50 " " 37 "

Tide *Ebb*

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction *At anchor* Distance _____

Depth of Haul *Inter*

Apparatus and Rig used *4' Inter & 2 Rfds.*

Time towing _____ h. *10 1/2* m.

Remarks: *Extman water bottle used
- Bottom thermometers fouled,
failed to trip, and were immediately
lowered again, tripped, and re-
gistered as above.*

Deck Officer *Mr. King* Recorder *AT Mill*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
1	//	- 1 2/	0	1	//	- 1 2/ 30
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5276 Date, Dec 4, 1912
Hydrog. }
Sdg. Mch. TN Reel TN Shot/Lead 14 lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make TN Cor'n { Instr. _____
 { No. 1019 | 1023 { Stem. _____

Bottom Reading 53.8 | 53.7 Cor'd Temp. 53.68

Temp. Surf. { 53.9 Time 1:48 } Air { 53
 { 53.53 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction NE Force 1-2

Baromet. 30.30 Amt. of Clouds 2 State of Sea S

Weather Fog

Direction and Force of Current { Surface { 40 rev. in 35 Secs
 { Bottom { 40 " " 31 "

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 K.F.s.

Time towing _____ h. 11 m.

Remarks: Eckman with bottle used

Deck Officer Mr. King Recorder J. Truitt

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
<u>P</u> M. Down.	Up.	<u>P</u> M.			<u>P</u> M. Down.	Up.	<u>P</u> M.				
1	38	-	1	48	-	1	38	-	1	49	00
				0							
				100							
				200							
				300							
				400							
				500							
				600							
				700							
				800							
				900							
				1000							
				1100							
				1200							
				1300							
				1400							
				1500							
				1600							
				1700							
				1800							
				1900							
				2000							
				2100							
				2200							
				2300							
				2400							
				2500							
				2600							
				2700							
				2800							
				2900							
				3000							
				3100							
				3200							
				3300							
				3400							
				3500							
				3600							
				3700							
				3800							
				3900							
				4000							
				4100							
				4200							
				4300							
				4400							
				4500							
				4600							
				4700							
				4800							
				4900							

~~Hydrog.~~ } No. 5-277 Date, Dec 5, 1912

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

Turns Cor'n Depth 11 1/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.Z. Cor'n { Instr. No. L1019R1023 Stem.

Bottom Reading L: 52.2 R: 52.1 Cor'd Temp. 52.08

Temp. Surf. { 52.2° Time } Air { 53°
57.93 Time }

Density: Surf. fms.

Wind: Direction Various Force 5-4

Baromet. 30.47 Amt. of Clouds 1 State of Sea 2

Weather bc

Direction and Force of Current { Surface 20 sur in 5-1 sec
20 " " 5-4 "
Bottom

Tide Beginning of ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter, 2 K-folds, 150# sinker.

Time towing h. 10 m.

Remarks: Eckman water bottle used

Deck Officer Boen Rettig Recorder C.E. DeLong

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
<i>a</i> M. Down.	Up. <i>a</i> M.		<i>a</i> M. Down.	Up. <i>a</i> M.
9 49 00	9 59 00	0	9 49 00	9 59 00
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

~~Hydrog.~~ } No. 5278 Date, Dec 5, 1912
Sdg. Mch. T. M. Reel T. M. Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 18 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N. 3. Cor'n { Instr. _____
 { No. L 1019 R 1025 { Stem. _____

Bottom Reading L: 52.4° R: 52.3° Cor'd Temp. 52.28

Temp. Surf. { 52.5° Time 1:36 } Air { 54 }
 { 52.23 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 4

Baromet. 30.46 Amt. of Clouds .1 State of Sea S

Weather bc.

Direction and Force of Current { Surface 20 sec to 36 sec
 { Bottom 20 " " 34 "

Tide ebb.

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter, 2 H. floats, 150th sinker.

Time towing h. 9¹/₂ m.

Remarks: Eckman water bottle used. Not sufficient tide to tow at anchor.

Deck Officer Boen Clancy Recorder C. C. DeLong
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>A</u> M. Down.	Up.	<u>A</u> M.		<u>A</u> M. Down.	Up.	<u>A</u> M.
10 25 00	10 35 00		0	10 35 30	10 45 00	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5279 Date, Dec 5, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 16 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N 3, Cor'n { Instr. _____
 { No. L: 1019 R: 1023 { Stem. _____

Bottom Reading L: 52.5° R: 52.4° Cor'd Temp. 52.38

Temp. Surf. { 52.7° Time _____ } Air { 58
 { 52.43 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 4-5

Baromet. 30.43 Amt. of Clouds 11 State of Sea S

Weather bc.

Direction and Force of Current { Surface 20 rev in 32 sec
 { 20 " " 30 " "
 { Bottom _____

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter, 2 Kofoids,
15.0 lb. sinker.

Time towing h. 17 m.

Remarks: Echinian water bottle used

Deck Officer Ross Pettig Recorder C. E. Long.

SOUNDING WIRE.			FMS.	DREDGING CABLE.				
<u>Q.</u> M. Down.	Up.	<u>Q.</u> M.		<u>Q.</u> M. Down.	Up.	<u>Q.</u> M.		
10 56	20	11 06	20	0	10 57	20	11 14	00
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5210 Date, Dec 5, 1912
Hydrog. }
Sdg. Mch. T.M. Reel T.M. 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. L1019 R102 { Stem. _____

Bottom Reading L: 52.5° R: 52.4° Cor'd Temp. 52.38

Temp. Surf. { 52.6° Time 11:34 } Air { 5.8°
 { 52.53 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 4-5-

Baromet. 30.41 Amt. of Clouds 2 State of Sea 8

Weather bc

Direction and Force of Current { Surface 20 rev in 31 sec
 { 20 " 1' 34 " }
 { Bottom _____ }

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Intes

Apparatus and Rig used 4' Intes, 2 Kofids,
150 lb. sinker

Time towing _____ h. 1.5 m.

Remarks: Eckman water bottle used

Deck Officer Brown Rettig, Recorder C. E. Long

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A.M. Down.			Up. A.M.				A.M. Down.			Up. A.M.		
11	23	00	11	33	00	0	11	23	00	11	38	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 5281 Date, Dec 5, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N. 3. Cor'n { Instr. _____
 { No. 219 R 1023 { Stem. _____

Bottom Reading 52.8 P. 52.6 Cor'd Temp. 52.63

Temp. Surf. { 52.8 Time 12:03 } Air { 61°
 { 52.53 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction N. x W. Force 3-4

Baromet. 30.41 Amt. of Clouds 2 State of Sea 2

Weather bc

Direction and Force of Current { Surface 40 sec in 30 sec
 { 40 " " 30 "
 { 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 Kofids, 150# sinker

Time towing _____ h. _____ m.

Remarks: Ekman water bottle used

Deck Officer Boen Rettig Recorder C. C. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	P.M.		M. Down.	Up.	P.M.
11	52	00	0	11	52	00
		20	100			10
		00	200			00
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5282 Date, Dec. 5, 1912
Hydrog. }

Sdg. Mch. Tanner Reel J. n. Shot 4 lbs.
Lead }

Turns _____ Cor'n _____ Depth 1.0 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make T. 3. Cor'n { Instr. _____
 { No. S. 1019 R. 1023 { Stem. _____

Bottom Reading S. 52.8 R. 52.7 Cor'd Temp. 52.68

Temp. Surf. { 52.9 Time 12:22 P. Air { 62°
 { 52.63 Time _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction m Force 2-3

Baromet. 30.40 Amt. of Clouds 5 State of Sea S

Weather bc

Direction and Force of Current { Surface S 0 Per 3 1 m. S 0 Per 3 3 2
 { 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 Prof. do.

Time towing h. 1 1/2 m.

Remarks: 25' m on water bottle used.

Deck Officer Mr. R. Attyg Recorder H. W. Crider

SOUNDING WIRE.				FMS.	DREDGING CABLE.							
<i>P</i> M. Down.	Up.	<i>P</i> M.			<i>P</i> M. Down.	Up.	<i>P</i> M.					
12	11	30	12	21	30	0	12	11	30	12	23	00
					100							
					200							
					300							
					400							
					500							
					600							
					700							
					800							
					900							
					1000							
					1100							
					1200							
					1300							
					1400							
					1500							
					1600							
					1700							
					1800							
					1900							
					2000							
					2100							
					2200							
					2300							
					2400							
					2500							
					2600							
					2700							
					2800							
					2900							
					3000							
					3100							
					3200							
					3300							
					3400							
					3500							
					3600							
					3700							
					3800							
					3900							
					4000							
					4100							
					4200							
					4300							
					4400							
					4500							
					4600							
					4700							
					4800							
					4900							

Dredge Hydrog. No. 5283 Date Dec 5, 1912

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

Turns Cor'n Depth 7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N. 3. Cor'n { Instr. No. 2-1019 R. 1023 Stem.

Bottom Reading 2.52.8 P. 52.6 Cor'd Temp. 52.63

Temp. Surf. { 52.8 Time 12:52 P. Air { 66 52.53 Time

Density: Surf. fms.

Wind: Direction N Force 1

Baromet. 30.40 Amt. of Clouds 7 State of Sea 5

Weather bc

Direction and Force of Current { Surface 6.0 Rev. 35 sec. 6.0 " 33 " Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inte

Apparatus and Rig used 4' Inter: 29 fords

Time towing h. 10 1/2 m.

Remarks: Seaman water bottles used

Deck Officer M. P. stetig Recorder H. W. Crider

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		P. M. Down.	Up.	P. M.
12 41 00	12 51 50		0	12 41 30	12 52 00	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Trawl } No. 5284 Date, Dec 5, 1912
Hydrog. }

Sdg. Mch. Tanner 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.3. No. L.1019 P.1033 Cor'n { Instr. Stem.

Bottom Reading 52.6 P 52.5 Cor'd Temp. 52.48

Temp. Surf. { 52.3 Time 1:23 P } Air { 66 }
52.03 Time _____

Density: Surf. _____ fms. _____

Wind: Direction N. Force 2

Baromet. 30.38 Amt. of Clouds 7 State of Sea S

Weather bc.

Direction and Force of Current { Surface 70 Per. 33 Sec 60 " 30 " 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. 292 fords

Time towing _____ h. 10 m.

Remarks: Copied water bottle used

Deck Officer Mr. Rettig Recorder H. W. Crider

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.		<i>P</i> M. Down.	Up.	<i>P</i> M.
<i>1</i> / <i>12</i> 00	<i>1</i>	<i>22</i> 50	0	<i>1</i> / <i>12</i> 30	<i>1</i>	<i>22</i> 30
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5815 A Date, Dec 10, 1912
Hydrog. }

Sdg. Mch. Handline Reel Shot Lead 14 lbs.

Turns Cor'n Depth 7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction E by N Force 1-2

Baromet. 30.38 Amt. of Clouds 9 State of Sea S

Weather bc

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 Dredge; then towed 5' Tanner with snow shoes (Coaster dredge).

Time towing h. 15 m.

Remarks: First dropped Orange-peel Dredge; then towed 5' Coaster Dredge 15 min (Dr. 5815A). Then dropped orange-peel Dredge again (Dr. 5815B), but same did not trip.

Deck Officer Mr. Retzig Recorder ATW-11-1023 C. E. Long

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

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

Orange-peel Dr - 0

// 23 50 // 24 00

100

200

300

400

500

600

700

800

900

Coaster Dr - 4000

// 33 00 // 35 05

30 ~~4100~~

// 35 00 // 35 00

4200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

Orange-peel Dr 3000

// 11 59 00 // 12 00 15

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

13 min. by hand

am

pm

PM

P.M.

(12 02 30 12 04 10)

Failed to trip

(12 05 30 12 06 20)

Failed to trip

12 09 15 12 10 15

Dredge } No. 5-816-A Date, Dec 10, 1912
Hydrog. }

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

Turns Cor'n Depth 20 fms.
to 9 3/4

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:05 PM Air { 52°
Time

Density: Surf. fms.

Wind: Direction Various Force 0-1

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

Weather bcg

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 Orange peel bucket

then towed 5' Tanner with skids 15-

min then (5-816-B) (Orange peel bucket)

Time towing (Tanner) 15 m.

Remarks:

Deck Officer Bosm. Rettig Recorder C.E. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P.M. Down.	Up.	P.M.		P.M. Down.	Up.	P.M.
<i>Orange Red bucket</i>			70	1 00	40	1 01 40
			100			
			200			
			300			
<i>5' Tanner with slide</i>			400	1 08	50	1 25 55
			500	30	1 11 00	1 24 10
			600			
			700			
			800			
<i>5-816 B.</i>			900			
<i>Orange Red bucket</i>			1000	1 32	00	1 32 50
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5517-A Date, Dec. 10, 1912
Hydrog. }

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

Turns Cor'n Depth 5-1/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 2:10 PM } Air { 53°
Time

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.32 Amt. of Clouds 4 State of Sea S

Weather bz

Direction and Force of Current { Surface
Bottom

Tide T. flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Orange pul bucket
then 5' Tanner with shids for
23 min then Orange pul bucket

Time towing (Tanner) h. 23 m.

Remarks:

Deck Officer Ross Rittig Recorder C. B. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		P. M. DOWN.	UP.	P. M.
<i>Orange pebb bucket</i>			0	2 06	50	2 07 50
			100			
			200			
			300			
			400			
<i>5' Tanner with slide</i>			500 ⁰	2 11	20	2 34 10
			600 ²⁰	2 12	45	2 33 20
			700			
			800			
<i>5817-B</i>			900			
<i>Orange pebb bucket</i>			1000 ⁰	2 43	15	2 44 05
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5818-A Date, Dec. 11, 1912
Hydrog. }
Sdg. Mch. Hand line Reel Shot 14 lbs.
Lead 5
Turns _____ Cor'n _____ Depth 4314 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time 10:38 } Air { 51
 { Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 2-3

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

Weather _____

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,
Coaster dredge 1 tail weight
2 glass floats. Orange peel bucket again

Time towing h. 15 m.

Remarks: Put Coaster dredge over
with out weights but it would
not sink. Hauled in and
put tail weight on.

Deck Officer Mr. I. King Recorder H. W. Coker

SOUNDING WIRE.

M. DOWN. UP. M.

FMS.

DREDGING CABLE.

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

Orange peel bucket

0

10 37 00 10 37 30

100

200

300

400

Coaster dredge

500

10 50 00 11 08 00

20 600

10 52 00 11 07 30

700

800

900

5818-B

Orange peel bucket

1000

11 12 00 11 13 00

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5819-A Date, Dec. 11, 1912
Hydrog }

Sdg. Mch. Hand line Reel Shot+Lead 14 lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time 1:00 } Air { 52 }
 { _____ Time _____ } { _____ }

Density: Surf. _____ fms. _____

Wind: Direction NE Force 2-3

Baromet. 30.33 Amt. of Clouds 10 State of Sea 5

Weather 03

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;
Coaster dredge.

Time towing h. 1 1/4 m.

Remarks: Dropped orange-peel bucket and hove up, 11:57 - 11:58 AM, Dr. 5819 A. then, at 11:59 anchored. 23 anchor at 12:47 and at 12:57:30 put over Coaster dredge, towed 1 1/2 min. hove up (Dr. 5819 A) and dropped orange peel bucket at 1:19:30 (Dr. 5819 B)

Deck Officer J. M. King Recorder H. W. Grier

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

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

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	Up.	M.	A.M. Down.	Up.	A.M.
Orange pearl bucket		0	11 57	00	11 58 00
		100			
		200			
		300			
		400	P.M.		P.M.
Coaster dredge		500	12 52	20	1 11 40
		25-600	12 54	00	1 10 30
		700			
		800			
Dr. 5819 B = 6 fm.		900			
Orange-pearl Bucket		1000	1 17	30	1 18 00
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 58204 Date, Dec. 11, 1912

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

Turns _____ Cor'n _____ Depth 12 1/4 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time 2:00 } Air { 53° }
Time _____

Density: Surf. _____ fms. _____

Wind: Direction NE Force 3

Baromet. 30.32 Amt. of Clouds 10 State of Sea S

Weather Bz.

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 -
Cosatic dredge

Time towing h. 17 m.

Remarks: _____

Deck Officer Mr. King Recorder Arnul -

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
Orange-pearl Bucket			0	1 51	20	1 52 30
			100			
			200			
			300			
			400			
Coster dredge			500	1 57	15	2 17 30
			40 600	1 57	15	2 16 15
			700			
<u>Dr. 5820 B = 8 fms</u>			800			
			900			
Orange-pearl Bucket			1000	2 21	00	2 22 10
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5-821-B-A Date, Dec 17, 1912

Sdg. Mch. Hand ream Reel Shot/Lead 5-821-A-93/4 lbs.

Turns _____ Cor'n _____ Depth 6-821-B-8 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 5-3 Time _____ } Air { 5-4 Time _____

Density: Surf. _____ fms. _____

Wind: Direction Calm Force 0

Baromet. 30.57 Amt. of Clouds _____ State of Sea V

Weather of _____

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 (5-821-A) Orange peel bucket; then Coaster trawl, 2 glass floats, 1 tail, 155' sinker; then (5-821-A) Orange peel bucket. Time towing h. 12 m.

Remarks: Took haul with Orange Peel bucket (5-821-B) then haul with Coaster trawl (5-821) then Orange peel bucket (5-821-A)

Deck Officer Bron Pettig Recorder C.E. DeLong

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

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

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up.		P.M. Down.	Up. P.M.
(5-821-B) Dredge	Orange Red Inch 100'	100	12 40 30	12 41 50
9 3/4 fath.		200	Failed to slip	
	Orange Red	300	12 45 00	12 46 20
(5-821-Dredge)		400		
5' Coaster trawl		500	1 15 00	1 28 15
(8 fath to 9 3/4)		600	1 17 40	1 26 58
		700		
		800		
(5-821-A) Dredge	8 fath	900	1 38 20	1 39 20
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
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		2200		
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		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		P. M. Down.	Up.	P. M.
Orange Peel bucket			0	2 05 30	2 06 10	
5 fath			100			
5-822-A Dredge			200			
			300			
			400			
Coaster trawl			500	2 09 00	2 22 40	
(5-822) Dredge			600 ²⁵	2 10 20	2 23 40	
5 fath to 6 fath			700			
			800			
			900			
			1000			
			1100			
Orange peel bucket			1200	2 28 30	2 29 40	
(5-822-B Dredge)			1300			
6 fath			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5-823 Date, Dec 17, 1912
Hydrog. }

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

Turns Cor'n Depth 5-823A-7 fath. fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time Air { 54°

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.46 Amt. of Clouds 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 (5823-A) Orange peel bucket, then (5-823) 5' Conates trawl, 2 glass floats, 1 tail weight, 150# sinker, then

(5-823-B) Orange peel bucket. Time towing h. 19 m.

Remarks: Net came up full of mud. Towed 5 min to get rid of mud.

Deck Officer Boen Pettig Recorder C.E. Red Long

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		P. M. Down.	Up.	P. M.			
Orange peel bucket			0	3	14	30	3	15	20
7 fath (5-522-A-Dr)			100						
			200						
			300						
Coaster trawl (5-523)			400						
			500						
7 fath to 6 1/2 fath			600	3	19	30	3	40	00
			700 ³⁰	3	21	40	3	39	00
			800						
			900						
			1000						
			1100						
			1200						
			1300						
Orange peel bucket			1400	3	5-2	35	3	5-3	20
5-523-B-Dr. - 6 1/2 fath			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
			2100						
			2200						
			2300						
			2400						
			2500						
			2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
Orange fish bucket			100	10 02 00	10 03 00	
			200			
			300			
			400			
			500			
Coaster trawl			600	10 07 00	10 24 30	
			700	10 09 30	10 23 00	
			800			
			900			
1924-B. Orange fish bucket			1000			
			1100	10 29 20	10 30 00	
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5825-A Date, Dec 18th, 1912
Hydrog. }
Sdg. Mch. Hand line Reel Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 11 1/2 fms.
Sdg. Cup _____ Amt. Bot'm Sample 11 3/4 fms. of haul
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time 11:17 A } Air { 63°
 { Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction N E Force 0-1

Baromet. 30.52 Amt. of Clouds 8 State of Sea S

Weather haze

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,
Pooley trawl with 1 lb weight, two
glass floats, + 1-15 lb weights
Orange peel bucket
Time towing 1 h. 15 m.

Remarks: _____

Deck Officer Mr. Clancy Recorder H. W. Fisher

SOUNDING WIRE.

DREDGING CABLE.

M. Down. Up. M.

FMS.

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

Orange peel bucket, 8 1/2' 0 10 56 40 10 57 30

100

200

300

400

500

Coaster trawl

600

11 01 00 11 18 30

30 700

11 02 00 11 17 00

800

900

5825 B.

1000

Orange peel bucket 16 3/4' 1100 11 35 30 11 36 50

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5826 Date, Dec. 18, 1912
Hydrog. }
Sdg. Mch. Hand lead Reel Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 7 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time 1:00 PM } Air { 57°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction North Force 1

Baromet. 30.47 Amt. of Clouds 8 State of Sea S

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 and
Crested Dredge as before

Time towing _____ h. 15 m.

Remarks: _____

Deck Officer Mr. Clancy Recorder J. Frutkin
11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
M. Down.	Up.		M. Down.	Up.		
Orange-pant bucket		7. 0	12	44 30	12	45 00
		100				
		200				
		300				
		400				
		500				
		600				
		700				
		800				
		900				
Coster dredge		1000	12	55 40	1	12 50
		1100	12	57 00	1	12 00
		1200				
		1300				
		1400				
		1500				
		1600				
		1700				
		1800				
		1900				
		2000				
ANS 26 B:		2100	1	16 00	1	17 00
Orange-pant bucket		2200				
		2300				
		2400				
		2500				
		2600				
		2700				
		2800				
		2900				
		3000				
		3100				
		3200				
		3300				
		3400				
		3500				
		3600				
		3700				
		3800				
		3900				
		4000				
		4100				
		4200				
		4300				
		4400				
		4500				
		4600				
		4700				
		4800				
		4900				

Dredge } No. 5-285 Date, Jan 13, 1913
Hydrog. }

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

Turns _____ Cor'n _____ Depth 12 1/2 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N.Z. Instr. _____
 { No. L. 104924; R. 108018 Cor'n _____
 { Stem. _____

Bottom Reading L. 45.5 R. 45.5³ Cor'd Temp. 45.43

Temp. Surf. { 45.1³ Time 10:10 } Air {
 { N.Z. #108011 Time _____ }
 { 44.83 } _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 4

Baromet. 30.17 Amt. of Clouds 10 State of Sea 2

Weather Bz

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 & Surface

Apparatus and Rig used 4' Inter., 2 Kofids
15-0⁺ sinker.

Time towing _____ h. 19 m.

Remarks: Lett net over side at
anchor & then towed 2
min. while under way.
Eckman water bottle used

Deck Officer Bann Pettig Recorder C.E. Hering

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
Q. M. Down.	Up.	Q. M.		Q. M. Down.	Up.	Q. M.
9	53	30	0	9	52	30
	10	03	100		10	10
		30	200			30
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000	11		54
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5286 Date, Jan 13, 1913
Hydrog. }

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

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make U.S. Cor'n { Instr. No. T. 104924; R 105018 Stem.

Bottom Reading L 45.0 R 45.0 Cor'd Temp. 44.93

Temp. Surf. { 45.1 Time 10:38 } Air { 50.0
No. 105011 Time 44.83

Density: Surf. fms.

Wind: Direction Various Force 3-4

Baromet. 30.17 Amt. of Clouds 10 State of Sea 2

Weather Oz

Direction and Force of Current { Surface Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inten.

Apparatus and Rig used 4' Intermediate, 2 Kofids, 15.0 lb. sinker

Time towing h. 10 m.

Remarks: Eckman water bottle used

Deck Officer Boen Rettig Recorder C.E. Hedberg

SOUNDING WIRE.				FMS.	DREDGING CABLE.				
Q. M. Down.		Up. Q. M.			Q. M. Down.		Up. Q. M.		
10	28	00	1038	0	10	28	00	1039	00
				100					
				200					
				300					
				400					
				500					
				600					
				700					
				800					
				900					
				1000					
				1100					
				1200					
				1300					
				1400					
				1500					
				1600					
				1700					
				1800					
				1900					
				2000					
				2100					
				2200					
				2300					
				2400					
				2500					
				2600					
				2700					
				2800					
				2900					
				3000					
				3100					
				3200					
				3300					
				3400					
				3500					
				3600					
				3700					
				3800					
				3900					
				4000					
				4100					
				4200					
				4300					
				4400					
				4500					
				4600					
				4700					
				4800					
				4900					

SOUNDING WIRE.				FMS.	DREDGING CABLE.							
A.M. Down.		Up.	A.M.		A.M. Down.		Up.	A.M.				
11	01	20	11	11	20	0	11	01	30	11	11	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 6286 Date, Jan 13, 1913
Hydrog. }

Sdg. Mch. Tanner Reel J.M. 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. L: 104924 R: 108018 Stem. _____

Bottom Reading L: 54.3 Q: 44.2 Cor'd Temp. 44.18

Temp. Surf. { 44 Time 12:00 } Air { 51°
 { 43.73 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S.E. Force 2-3

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

Weather B.

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' Duter; 2 H of oids
150# Sinkers

Time towing h. 29.5 m.

Remarks: Eckman water bottle used
Used bottom sampler
Towed 3 minutes underway.

Deck Officer Boen Rettig Recorder C. E. DeLong

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
a M. DOWN.		UP.	a M.		a M. DOWN.		UP.	a M.
11	44	10	11 59 00	0	11	43	30	12 13 20
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 289 Date, Jan 13, 1912
Hydrog. }
Sdg. Mch. Tanner Reel T.M. Shot/Lead 10 lbs.
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N.S. Cor'n { Instr. _____
 { No. 21019 P. 1025 { Stem. _____

Bottom Reading 4.44 R. 44 Cor'd Temp. 43.93

Temp. Surf. { 43.5 Time 12:50 P. } Air { 51°
 { 43.23 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction S.E. Force 2-3

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

Weather B, C

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Quiescent Distance _____

Depth of Haul 270 fms.

Apparatus and Rig used 4' Dredge: 270 fms.
150 lb weight.

Time towing h. 16 m.

Remarks: Colman water bottle used.

Used bottom sample.

Towed 3 1/2 minutes underway

Deck Officer Mr. R. [unclear] Recorder [unclear]

SOUNDING WIRE.			FMS.	DREDGING CABLE.				
M. Down.	Up.	M.		M. Down.	Up.	M.		
12	39.00	12	49.00	0	12	39.00	12	55.00
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 290 Date, Jun 13, 1913
Hydrog. }

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

Turns _____ Cor'n _____ Depth 1.2 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N. 3. Instr. _____
 { No. L. 10. 10 P. 11-3 Cor'n { Stem. _____

Bottom Reading 2.43.10 P. 43 Cor'd Temp. 42.98

Temp. Surf. { 43 Time 1.25 P. } Air { 53
 { 42.73 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S.E. Force 2-3

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

Weather 03

Direction and Force of Current { Surface _____
 { Bottom _____

Tide ~~Tide changed at this station~~

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchored Distance _____

Depth of Haul Inters

Apparatus and Rig used 4' Inters 2 Profunda
1500 weight

Time towing h. 16 m.

Remarks: Bot. man water bottle used

Towed 3 minutes on way

Deck Officer Mr. K. K. K. Recorder H. W. C. C.

SOUNDING WIRE.				FMS.	DREDGING CABLE.							
M. Down.		Up.	M.		M. Down.		Up.	M.				
1	14	00	1	24	00	0	1	14	00	1	30	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						