

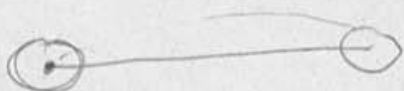
H 5184 -
5225.

D 5785 -
5797.



507

H. 5223 same D5790



D 5790

Dredge } No. 5184 Date, October 8, 1912
Hydrog. }
Sdg. Mch. TN Reel TN Shot 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 2 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make NZ Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading 63.2 - 63.2 Cor'd Temp. 63.03

Temp. Surf. { 63.2 Time 2:02 } Air { 58.5
 { 63.08 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3-5

Baromet. 30.04 Amt. of Clouds 7 State of Sea S

Weather Fog

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 _____ Distance _____

Depth of Haul Intermediate

Apparatus and Rig used 4' Inter. & 2 Kofrids

Time towing h. 12 m.

Remarks: Eckman water bottle used

Deck Officer Mr. King Recorder Armit

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		P. M. Down.	Up.	P. M.
1	52	00	0	1	52	00
	2	04	100		2	00
			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. 5185 Date, October 8, 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 TZ
No. 1019 - 1023 Cor'n { Instr. _____
Stem. _____

Bottom Reading 63.1 - 63.1 Cor'd Temp. 62.93

Temp. Surf. { 63.5 Time 2:28.33 } Air { 58
63.38 Time _____

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3-5

Baromet. 30.01 Amt. of Clouds 7 State of Sea C

Weather fog

Direction and Force of Current { Surface 50 revs. in 35 Sec.
Bottom 50 " " 34 "

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter x 2 Kopsids

Time towing _____ h. 12 m.

Remarks: Ectoman wtr. bottle used.

Deck Officer Mr. King Recorder Atwell

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.
2	18	30	0	2	18	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
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			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. 5186 Date, Oct 8, 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 NZ Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading 62.9 - 62.9 Cor'd Temp. 62.73

Temp. Surf. { 63.0 Time 7:54 } Air { 57 }
 { 62.88 Time _____ } { _____ }

Density: Surf. _____ fms. _____

Wind: Direction SW Force 4

Baromet. 30.02 Amt. of Clouds 7 State of Sea C

Weather fog

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

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. & 2 Kofids

Time towing h. 11 1/2 m.

Remarks: Eckman water bottle used.

Deck Officer Mr. King Recorder Arutit-

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		P. M. Down.	Up.	P. M.
2 42 00	2 52 00		0	2 42 00	2 53 30	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
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			2800			
			2900			
			3000			
			3100			
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			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.
3	15	30	0	3	15	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5-188 Date, Oct 9, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 8 1/2 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make T.G. Cor'n { Instr. _____
 { No. 2. 1019 & 1023 { Stem. _____

Bottom Reading 55.1 1955.1 Cor'd Temp. 54.93

Temp. Surf. { 55.9 Time 12:31 P. } Air { 58°
 { 55.78 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-1

Baromet. 30.04 Amt. of Clouds 0 State of Sea 2

Weather b

Direction and Force of Current { Surface 10 Revs 55 sec.
 { 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 Kofords.

Time towing h. 13 m.

Remarks: Colman water bottle used

Towed five minutes under way.

Deck Officer Ben. Pettig Recorder H. W. Child

SOUNDING WIRE.

FMS.

DREDGING CABLE.

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

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

10 19 20 10 29 45

17 +

12 41 00 12 54 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

Temperatures

Bottom: cor. 56.03

L. 56.2° R. 56.2°

Surface: 56.5° - 56.38

Tide

40 rev to 31 sec

40 rev to 30 sec

11 04 30 11 14 50

Temperature: 55.38

Bottom: L. 55.6° R. 55.5°

Surface 55.9° 55.78

Tide: 30 rev to 30 sec

12 31 00

Bottom: L. 55.5° R. 55.5°

Surface 55.9

Tide

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
P. M. DOWN.	UP.	P. M.			P. M. DOWN.	UP.	P. M.	
/ 18 00	/	23 00		120	/ 13 00	/	33 00	
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
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				2900				
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				3900				
				4000				
				4100				
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				4300				
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				4500				
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				4700				
				4800				
				4900				

Drainage } No. 5790 Date, Oct. 9, 1912
Hydrog. }

Sdg. Mch. Tanner Reel J. n. 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. 2.1019 B.1023 { Stem. _____

Bottom Reading 2.56.9 77.56.8 Cor'd Temp. 56.68

Temp. Surf. { 58° Time 1:56 P } Air { 60°
 { 57.88 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction S Force 1-2

Baromet. 30.01 Amt. of Clouds 0 State of Sea S

Weather Bz

Direction and Force of Current { Surface 30 Per: 40 sec.
 { Bottom _____

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Lute

Apparatus and Rig used 4' Inter: 2 Tefondo.

Time towing h. 1/2 m.

Remarks: Ecreman water bottle used.

Towed five minutes under way.

Deck Officer Mr. Batty Recorder H. W. Crane

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.				
1	45	30	1	55	30	1	44	00	2	02	30
				100							
				200							
				300							
				400							
				500							
				600							
				700							
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				4000							
				4100							
				4200							
				4300							
				4400							
				4500							
				4600							
				4700							
				4800							
				4900							

Dredge } No. 5191 Date, Oct 9, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 8 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make n. 3 } Instr. _____
 { No. S. 1019P1023 } Cor'n { Stem. _____

Bottom Reading 2.57.2 P. 57.1 Cor'd Temp. 56.98

Temp. Surf. { 58° Time 2:25 P } Air { 66°
 { 57.88 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S Force 1-2

Baromet. 30.01 Amt. of Clouds 0 State of Sea S

Weather Bz.

Direction and Force of Current { Surface 3.0 P. 3.0 sec. 3.5 P. 3.0 sec
 { 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' cofords.

Time towing h. 15 m.

Remarks: Coleman water bottle used.

Towed three minutes underway

Deck Officer Mr. Pettig Recorder H. W. Crider

Bredge } No. 5192 Date, Oct 9, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 12 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make 23 } { Instr. _____ }
{ No. S. 101911023 } { Cor'n _____ }
{ Stem. _____ }

Bottom Reading 257.3 R. 57.2 Cor'd Temp. 57.08

Temp. Surf. { 58.8° Time 2:52 P. } Air { 64° }
{ 58.68 Time _____ } { _____ }

Density: Surf. _____ fms. _____

Wind: Direction S Force 1

Baromet. 30.00 Amt. of Clouds 0 State of Sea S

Weather B. z.

Direction and Force of Current { Surface 50-36 }
{ Bottom 40-36 } Perov: 30 sec.
~~20-39~~

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter: 2 1/2 fords

Time towing _____ h. 9 m.

Remarks: Ekman water bottle used.

Deck Officer Am. R. Rig Recorder H. W. Child

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.	
2 41 00	2	51 00		0	2 42 00	2	51 00	
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
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				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
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				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
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				4900				

Bridge } No. 5193 Date, Oct 9, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 14 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make 2.3. No. J. 1819 R. 1023 Cor'n 3 } Instr. _____ Stem. _____

Bottom Reading L. 5.8 R. 5.7.9 Cor'd Temp. 57.78

Temp. Surf. { 59° Time 3:16 P. } Air { 71° }
58.88 Time _____

Density: Surf. _____ fms. _____

Wind: Direction S Force 1

Baromet. 30.00 Amt. of Clouds 0 State of Sea S

Weather Bz

Direction and Force of Current { Surface 20-²³ Revs 31 deg. 30 Revs 37 deg. 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 Reforts

Time towing h. 11 1/2 m.

Remarks: Eaten in water bottle used

Deck Officer Mr. P. Stig Recorder J. W. Price

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.
3	05	30	0	3	05	30
		3	100			3
		15	200			16
		30	300			00
			400			
			500			
			600			
			700			
			800			
			900			
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			1100			
			1200			
			1300			
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			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.			
<i>P</i> M. Down.	Up.	<i>P</i> M.			<i>P</i> M. Down.	Up.	<i>P</i> M.	
<i>3</i>	<i>47</i> 00	<i>3</i>	<i>57</i> 00	0	<i>3</i>	<i>47</i> 00	<i>3</i>	<i>57</i> 00
				100				
				200				
				300				
				400				
				500				
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				4900				

Bredge } No. 5195 Date, Oct. 9, 1913
Hydrog. }
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 TZ Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading 60.0 - 60.0 Cor'd Temp. 59.83

Temp. Surf. { 60.3 Time 4:26 } Air { 69.5
 { 60.18 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction West Force 1

Baromet. 30.00 Amt. of Clouds 0 State of Sea S

Weather B

Direction and Force of Current { Surface { 70 zero in 35 sec.
 { Bottom { 60 " " 30 "

Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter x 2 Koford

Time towing _____ h. 11 m.

Remarks: Eckman wtr bot. used.
The Bottom thermos did not trip properly; tangled up in surf. therm line.

Deck Officer Mr. Pettig Recorder J. T. [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.				
4	16	00	4	26	00	4	16	00	4	27	00
				100							
				200							
				300							
				400							
				500							
				600							
				700							
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				4900							

Dredge } No. 5196 Date, Oct 10, 1912
Hydrog. }
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 NR Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading 61.2 - 61.2 Cor'd Temp. 61.03

Temp. Surf. { 61.3 Time 9:22 a } Air { 59
 { 61.18 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction NW Force 1-2

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

Weather fog

Direction and Force of Current { Surface { 20 in SE Sec
 { Bottom { 20 " SW " "

Tide ~~ebb~~ Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter x 2 Kofoid

Time towing h. 10 m.

Remarks: Ectoman water bottle used

Deck Officer Tr Clancy Recorder J. T. F. I. I.

SOUNDING WIRE.

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

9 12 00 9 22 00

FMS.

DREDGING CABLE.

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

9 22 00 9 32 00

Temperature =

8:44 - 8:54 am:

60.98

Bottom I: 61.7 T: 61.1

Surf. at 8:54 - 61.5

Temp of 61.38

Surf. current:

10 rev. in 30 sec.

(Flow) like Ebb

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.
9 40 15	9 50 15	0	9 40 00	9 50 15
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 5198 Date, Oct 10, 1912
Hydrog. }
Sdg. Mch. TTS Reel TN Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 6 fms.

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

Thermom. { Make TZ Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading 61.0 - 61.0 Cor'd Temp. 60.83

Temp. Surf. { 61.2 Time 10:32 AM Air { 70
 { 61.08 Time _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction West Force 1

Baromet. 30.23 Amt. of Clouds 2 State of Sea S

Weather bcz

Direction and Force of Current { Surface { 50 over in 25 Sec
 { Bottom { 50 " " 35 "

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Tater:

Apparatus and Rig used 4' Tater & 2 Tlofrin

Time towing _____ h. 10 m.

Remarks: Ectoman water bottle used

Deck Officer Mr. Clancy Recorder ATW

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		A. M. Down.	Up.	A. M.
10	21	30	10	31	30	
			0	10	27	00
			100			10
			200			32
			300			00
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			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. 5199 Date, Oct 10, 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 NZ Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading 61 - 61 Cor'd Temp. 60.83

Temp. Surf. { 61.0 Time 11:08 a } Air { 70
 { 60.88 } { _____

Density: Surf. _____ fms. _____

Wind: Direction West Force 0-1

Baromet. 30.23 Amt. of Clouds 0 State of Sea S

Weather B3

Direction and Force of Current { Surface { 30 runs in 35 sec
 { Bottom { 40 " " 43 "

Tide ~~ebb~~ Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Tontia

Apparatus and Rig used 4' Tontia & 2 Kofris

Time towing _____ h. 12 m.

Remarks: Ectonon wtr. bot. used

Deck Officer Mr. Clancy Recorder Frank -
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.								
A.M. Down.	Up.	A.M.		A.M. Down.	Up.	A.M.						
10	58	00	11	08	00	0	10	58	00	11	10	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. 5200 Date, Oct 10, 1912
Hydrog. }

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 TZ Cor'n { Instr. _____
 { No. 1019 - 1073 { Stem. _____

Bottom Reading 60 - 60 Cor'd Temp. 59.83

Temp. Surf. { 60.5 Time 11:50 a.m. } Air { 68
 { 60.38 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction West Force 0-1

Baromet. 30.20 Amt. of Clouds 0 State of Sea S

Weather Bz

Direction and Force of Current { Surface { 40 revs in 24 Sec
 { Bottom { 40 - 35

Tide ~~ebb~~ Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. & 2 Kofoids
1 sinker

Time towing _____ h. 10 m.

Remarks: Eckman water bottle used

Deck Officer Mr. Clancy Recorder Stitt

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
M. Down.		Up. M.			M. Down.		Up. M.				
11	46	00	11	56	00	11	46	00	11	56	00
				100							
				200							
				300							
				400							
				500							
				600							
				700							
				800							
				900							
				1000							
				1100							
				1200							
				1300							
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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. 5201 Date, Oct 10, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 8 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N.B. Cor'n { Instr. _____
 { No. 1019 R. 1023 { Stem. _____

Bottom Reading L 59.5° R 59.3° Cor'd Temp. 59.23

Temp. Surf. { 59.8° Time 12:30 P } Air { 67°
 { 59.68 } { _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-2

Baromet. 30.19 Amt. of Clouds 0 State of Sea 2

Weather b

Direction and Force of Current { Surface 30 rev to 34 sec
 { Bottom 40 " to 48 sec

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Intei

Apparatus and Rig used 4' Intei + 2 K.oids, 1 sinker

Time towing _____ h. 10 m.

Remarks: _____

Deck Officer Boies Clancy Recorder C. B. Long
11-1023

Dredge } No. 5202 Date, Oct 10, 1912
Hydrog. }

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.Y. Cor'n { Instr. _____
 { No L1019 R1023 { Stem. _____

Bottom Reading L: 5-5.8 R: 5-5.6° Cor'd Temp. 58.53

Temp. Surf. { 60.1° Time _____ } Air { 67°
 { 59.98 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-1

Baromet. 30.19 Amt. of Clouds 0 State of Sea 2

Weather b

Direction and Force of Current { Surface 20 sec to 35 sec
 { Bottom 10 " " 34 "

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,
1 sinker

Time towing h. 9 1/2 m.

Remarks: _____

Deck Officer Boon Clancy Recorder C. C. DeLong

Dradg. } No. 5203 Date, Oct 11, 1912
Hydrog. }
Sdg. Mch. Tanner Reel T.N. Shot 14 lbs.
Leads
Turns _____ Cor'n _____ Depth 10 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N. 3. Cor'n { Instr. _____
 { No. S. 1019 R. 023 { Stem. _____

Bottom Reading S. 6.0° R. 6.0° Cor'd Temp. 59.83

Temp. Surf. { 60.3 Time 7:50 A } Air { 59°
 { 60.18 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction n.w. Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea S

Weather hazy

Direction and Force of Current { Surface 40 Pers. 36 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' Kofords.

Time towing _____ h. 10 m.

Remarks: Colman water bottle used.

Deck Officer Mr. Dancy Recorder H. W. Crider
11-1023

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.
7 40 00	7 50 00		0	7 40 00	7 50 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. 5204 Date, Oct. 11, 1912
Hydrog. }
Sdg. Mch. Tanner Reel Jn Shot/Lead 4 lbs.
Turns _____ Cor'n _____ Depth 10 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make Wj. No. 1019 P1023 Cor'n { Instr. _____ Stem. _____

Bottom Reading 260.9 P160.8 Cor'd Temp. 60.68
Temp. Surf. { 61° Time 8:20 A } Air { 61 }
60.88 Time _____

Density: Surf. _____ fms. _____
Wind: Direction n.w. Force 0
Baromet. 30.25 Amt. of Clouds 0 State of Sea S
Weather bcy.

Direction and Force of Current { Surface 50 Keros: 34 sec. Bottom _____
Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inte

Apparatus and Rig used 4 Inte: 2 Refords.

Time towing h. 10 m.
Remarks: Eckman water bottle used.

Deck Officer Mr Darcy Recorder H. W. Crider
11-1023

SOUNDING WIRE.

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

8 0930 8 1930

FMS.

DREDGING CABLE.

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

8 0930 8 1930

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. 5205 Date, Oct 11, 1912
Hydrog. }
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. 3 Cor'n { Instr. _____
 { No. 1019 R 1023 { Stem. _____

Bottom Reading 62 R 61.9 Cor'd Temp. 61.78

Temp. Surf. { 62° Time 8:10 A } Air { 62°
 { 61.88 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction N.W. Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea S

Weather bcy.

Direction and Force of Current { Surface 5.0 Per. 33 + 34 sec.
 { Bottom _____

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inte

Apparatus and Rig used 4' Inte: 21 Sifonds

Time towing _____ h. _____ m.

Remarks: Octoman water bottle used.

Deck Officer Mr. Clancy Recorder H. J. Chis

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

8 39 30 8 49 30

8 39 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

Hydrog. No. 5206 Date, Oct 11, 1912
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. 3' Cor'n _____ Instr. _____
 { No. 2.1019 P1023 Stem. _____

Bottom Reading 2.62 P. 62 Cor'd Temp. 61.83

Temp. Surf. { 61.9 Time 9:08 } Air { 65
 { 61.78 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S.W. Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea S

Weather fog.

Direction and Force of Current { Surface 50 Revs: 30 Sec.
 { Bottom 50 Revs: 30 Sec.

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 21 fords.

Time towing h. 11 m.
Remarks: Oysterman water bottle used

Deck Officer Am. King Recorder H.W. Childs
11-1023

SOUNDING WIRE

M. Down. Up. M.

9 08 00 9 18 00

FMS.

DREDGING CABLE

M. Down. Up. M.

9 08 00 9 19 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

Bredge-Hydrog. } No. 5207 Date, Oct 11, 1912
Sdg. Mch. Tanner Reel J.M. Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 7 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make M.3 { Instr. _____
 { No. 2.1019 R1023 { Cor'n { Stem. _____

Bottom Reading 2.62.1 R62 Cor'd Temp. 61.83

Temp. Surf. { 62.2 Time 9.43A } Air { 66
 { 62.08 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction n.w. Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea S

Weather bcy.

Direction and Force of Current { Surface 40 Pers; 36 sec.
 { Bottom 40 Pers; 36 sec.

Tide Flood!

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter & 2' fords.

Time towing h 10¹/₂ m.

Remarks: Edman an water bottle used

Deck Officer Mr. King Recorder H.W. Pikel

SOUNDING WIRE.

M. Down. Up. M.

9 32 30 9 42 30

FMS.

DREDGING CABLE.

M. Down. Up. M.

9 32 30 9 43 00

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
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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. 5208 Date, Oct 11, 1912
Hydrog. }
Sdg. Mch. Tanner Reel J.M. Shot 14 lbs.
Lead 5

Turns _____ Cor'n _____ Depth 5 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make M. Z. Cor'n _____ Instr. _____
 { No. 21019R1023 Stem. _____

Bottom Reading 2 62.2 R 62.2 Cor'd Temp. 62.03

Temp. Surf. { 62.2 Time 10:05 A } Air { 67°
 { 62.08 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction n.w. Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea 8

Weather bwy.

Direction and Force of Current { Surface 30 Rev: 30 ac, 40 Rev, 30 ac
 { Bottom _____

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul 120

Apparatus and Rig used 4' Inter: 2 Tufords

Time towing h. 10¹¹ m.

Remarks: 2 man water bottle used

Deck Officer M. King Recorder H. W. Cook

SOUNDING WIRE.

M. Down.	Up.	M.
9 54 30	10 04	30

FMS.

DREDGING CABLE.

M. Down.	Up.	M.
9 54 30	10 05	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. 5209 Date, Oct 11, 1912
Hydrog. }
Sdg. Mch. Tanner Reel T.N. Shot/Lead 14 lbs.

Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____
Thermom. { Make N.Z. { Instr. _____
 { No. L. 1019 P 1023 { Stem. _____

Bottom Reading 2.62.30 P 62.3 Cor'd Temp. 62.23

Temp. Surf. { 62.3 Time 10:29 A } Air { 70°
 { 62.18 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction n.w. Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea S

Weather bog.

Direction and Force of Current { Surface 40 Per cent 36 sec. 40 Per cent 34 1/2
 { 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 1/4 fms.

Time towing h. 11 m.

Remarks: Exposed water bottle used

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

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.
10 17	30	10 27 30	0	10 17 B.	10 28 30	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
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			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, Oct 11, 1912
Hydrog. }
Sdg. Mch. Tanner Reel T. N. Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make M. 3. Cor'n { Instr. _____
 { No. 21019 R. 1023 { Stem. _____

Bottom Reading L. 62.3 R. 62.3 Cor'd Temp. 62.13

Temp. Surf. { 62.3 Time 10:55 Air { _____
 { 62.18 Time _____

Density: Surf. _____ fms. _____

Wind: Direction n.w. Force 0

Baromet. 30.23 Amt. of Clouds 0 State of Sea S

Weather fog

Direction and Force of Current { Surface 40 Revs: 3 3/4 Sec.
 { Bottom 40 Revs: 3 3/4 Sec.

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter; 2' Refords.

Time towing _____ h. _____ m.

Remarks: Pelicanar water battered.

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

SOUNDING WIRE			FMS.	DREDGING CABLE		
M. Down.	Up.	M.		M. Down.	Up.	M.
10	44 00	10 54 00	0	10	44 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. 5211 Date, Oct 12, 1912
Hydrog. }
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 TB Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading L: 57.0 R: 57.0 Cor'd Temp. 58.83

Temp. Surf. { 60.3 Time 9:20 a } Air { 57
 { 60.18 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction North Force 2

Baromet. 30.21 Amt. of Clouds 3 State of Sea 8

Weather fog.

Direction and Force of Current { Surface 5 mi. in 55 sec.
 { Bottom

Tide Slack water

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Kofids.

Time towing _____ h. 4 1/2 m.

Remarks: E. etman water bottle used

Deck Officer M. R. Petri Recorder A. R. R. -
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
9 10 00	9 20 00		0	9 14 30	9 20 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			

Preliminary =

Temperatures, etc

8 17 00 - 8 27

L: 59.8 R: 57.6

Surface at 8:27 = 60.3

" Current

20 rev. in 17 Sec.

20 " " 60 "

Ebb tide.

Trawl } No. 5212 Date, Oct 12, 1912
Hydrog. }
Sdg. Mch. TN Reel TN Shot 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 7 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make NZ Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading L: 58.9 R: 58.0 Cor'd Temp. 58.28

Temp. Surf. { 60.0 Time 9:44a. } Air { 57 }
 { 59.88 Time _____ } { _____ }

Density: Surf. _____ fms. _____

Wind: Direction West Force 2

Baromet. 30.21 Amt. of Clouds 3 State of Sea S

Weather Bcs

Direction and Force of Current { Surface { 20 rurs in 43 Sec.
 { Bottom { 20 - - 36 "

Tide High

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: Eckman water bottle used

Deck Officer Mr. Rethig Recorder A. H. H. -

SOUNDING WIRE.

FMS.

DREDGING CABLE.

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
A M. Down.	Up. A M.		A M. Down.	Up. A M.
9 32 00	9 42 00	0	9 32 00	9 42 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. 5213 Date, Oct 12, 1917
Hydrog. }

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 TN Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading L. 57.9 R. 57.5 Cor'd Temp. 57.53

Temp. Surf. { 57.9 Time 10:06 a } Air { 57
 { 57.78 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction North Force 2

Baromet. 30.20 Amt. of Clouds 3 State of Sea S

Weather Bury

Direction and Force of Current { Surface { 40 zero in 35 sec.
 { Bottom { 40 " - 36

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter. (actually Bottom)

Apparatus and Rig used 4' Tater & 2 Kofids

Time towing _____ h. 9 m.

Remarks: Eckman water bot. used
- 4' Inter. fouled in bottom and filled
up with mud; no station made
for this apparatus.

Deck Officer Mr. Retter Recorder F. T. ...

SOUNDING WIRE.					FMS.	DREDGING CABLE.						
M. Down.		Up.	M.			M. Down.		Up.	M.			
9	56	00	10	06	00	0	9	57	00	10	06	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
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						3600						
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						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.
10	28	30	0	10	29	20 10 39 30
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		A. M. Down.	Up.	A. M.
10	54	00	0	10	54	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
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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			

Dredge } No. 5216 Date, Oct 12, 1912
Hydrog. }
Sdg. Mch. TN Reel TN Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 12 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make TZ Cor'n { Instr. _____
 { No. 1019 - 1023 { Stem. _____

Bottom Reading L. 52.8 R. 52.5 Cor'd Temp. 56.48

Temp. Surf. { 67.2 Time 11:26 am } Air { 62 }
 { 67.08 } { }

Density: Surf. _____ fms. _____

Wind: Direction WNW Force 2

Baromet. 30.1 Amt. of Clouds 3 State of Sea 8

Weather fog

Direction and Force of Current { Surface { ~~20~~ " " 45 Sec
 { Bottom { 30 " " 30 "
Tide Flood 33 " " 30 "

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter x 2 READ

Time towing _____ h. 10 m.

Remarks: Eckman w/ bot. used

Deck Officer Mr. Reitz Recorder [Signature]

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A M. Down.	Up.	A M.		A M. Down.	Up.	A M.
11	16	00	0	11	17	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. 5217 Date, Oct 12, 1912

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

Turns Cor'n Depth 20 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make TN2 Cor'n { Instr. No. 1019 - 1023 Stem.

Bottom Reading 56.3 - 56.3 Cor'd Temp. 56.13

Temp. Surf. { 56.9 Time 11:49 a } Air { 63 56.78 Time

Density: Surf. fms.

Wind: Direction NWN Force 2

Baromet. 30.14 Amt. of Clouds 3 State of Sea S

Weather fog

Direction and Force of Current { Surface { 40 var. in 37 Sec. Bottom { 40 " " 38 "

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Kfbs.

Time towing h. 10 m.

Remarks: Ectoman w/c. bottle used.

Deck Officer Mr. Rettig Recorder Attili-

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.		Up.	M.		FMS.	M. Down.		Up.	M.		
11	39	00	11	49		0	11	40	00	11	50
					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. 5218 Date, Oct 12, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 14 1/2 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N.3. No. 1019 - R1023 Cor'n { Instr. Stem.

Bottom Reading 256.3 - 256.3 Cor'd Temp. 56.13

Temp. Surf. { 55.68 Time 12:20 P. Air { 64°
55.68 Time _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0 - 1

Baromet. 30.13 Amt. of Clouds .1 State of Sea 2

Weather bcg

Direction and Force of Current { Surface { 30 rev. in S. 1 Sec.
Bottom { 30 " " 32 "

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, 1 snaker

Time towing h. 10 m.

Remarks: _____

Deck Officer Bruce Pettig Recorder C. B. Long 11-1023

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	12	00	0	12	12	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. 5786 - *Pearl* Date, *Oct 15*, 1912
 Hydrog. }
 Sdg. Mch. *T.M.* Reel *T.M.* Shot } 14 lbs.
 Lead }
 Turns _____ Cor'n _____ Depth *38* fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____

Thermom. { Make *T.G.* Cor'n { Instr. _____
 No. _____ Stem. _____
 Bottom Reading *52.4 @ 52.7* 52.21
 Cor'd Temp. *49.66*
 Temp. Surf. { *53.8°* Time *10:15* } Air { *53°*
 { *53.68* Time _____ } _____

Density: Surf. _____ fms. _____
 Wind: Direction *NW* Force *2*
 Baromet. *30.19* Amt. of Clouds *0* State of Sea *S*
 Weather *by*

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 *12' Agassiz, 3 glass floats, 4 trawling weights, 1 tail weight, 1 mud bag.*
 Time towing *(on bottom) h. 26 m.*

Remarks: *4' Inter & 2 Kofids out at 10:32 in at 10:43 with 15' fath cable out.*

Each an water bottle used

Deck Officer *Rosa D. H. G.* Recorder *C. B. DeLong*
 11-1024

SOUNDING WIRE.					FMS.	DREDGING CABLE.								
A. M. Down.		Up.				A. M.		A. M. Down.		Up.			A. M.	
10	9	10	10	27	50	0	10	49	25	11	26	30		
10	12	10	10	22	10	100	10	53	05	11	22	25		
						200	10	57	20					
						300	11	05	45	11	19	25		
						400								
						500								
						600								
						700								
						800								
						900								
						1000								
						1100								
						1200								
						1300								
						1400								
						1500								
						1600								
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						1800								
						1900								
						2000								
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						2200								
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						2600								
						2700								
						2800								
						2900								
						3000								
						3100								
						3200								
						3300								
						3400								
						3500								
						3600								
						3700								
						3800								
						3900								
						4000								
						4100								
						4200								
						4300								
						4400								
						4500								
						4600								
						4700								
						4800								
						4900								

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
P M. Down.		Up.	M.		P M. Down.		Up.	M.			
				0	12	58	00	1	39	00	
				100	1	01	50	1	34	30	
				120 200	1	02	50				
				130	300	1	09	40	1	32	50
				400							
				500							
				600							
				700							
				800							
				900							
				1000							
				1100							
				1200							
				1300							
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				1500							
				1600							
				1700							
				1800							
				1900							
				2000							
				2100							
				2200							
				2300							
				2400							
				2500							
				2600							
				2700							
				2800							
				2900							
				3000							
				3100							
				3200							
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				3800							
				3900							
				4000							
				4100							
				4200							
				4300							
				4400							
				4500							
				4600							
				4700							
				4800							
				4900							

Sound line found

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. DOWN.	UP.	M.			P. M. DOWN.	UP.	P. M.			
				0	2	18	00	2	57	00
				100	2	21	20	2	53	30
				130 200	2	22	30	2	52	30
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
				1400						
				1500						
				1600						
				1700						
				1800						
				1900						
				2000						
				2100						
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				2300						
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				2600						
				2700						
				2800						
				2900						
				3000						
				3100						
				3200						
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				3400						
				3500						
				3600						
				3700						
				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

Hand laid fud.

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
M. Down.		Up.	P. M.		M. Down.		Up.	P. M.			
2	55	00	3	12	00	3	01	00	3	05	00
				100							
				200							
				300							
				400							
				500							
				600							
				700							
				800							
				900							
				1000							
				1100							
				1200							
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				1500							
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				3900							
				4000							
				4100							
				4200							
				4300							
				4400							
				4500							
				4600							
				4700							
				4800							
				4900							

SOUNDING WIRE.				FMS.	DREDGING CABLE.							
P. M. Down.		Up.	P. M.		P. M. Down.		Up.	P. M.				
1	10	30	1	24	35	0	1	30	00	1	59	20
1	14	10	1	24	10	68-100	1	34	15	1	54	10
						200	1	40	15	1	50	00
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
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Hyd 5232

Dredge } No. 5769 also Date, Oct 21, 1912
Hydrog. }

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

Turns Cor'n Depth 46 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N. Z. Cor'n { Instr. No. Stem. Inter: L: 52.5 R: 52.4 52.31

Bottom Reading: L: 49.2 R: 49.0 Cor'd Temp. 48.86

Temp. Surf. { 52.7 Time 2:36 } Air { 55.0 }
52.58 Time

Density: Surf. fms.

Wind: Direction West Force 2

Baromet. 30.14 Amt. of Clouds 0 State of Sea 2

Weather b

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 12' Agassiz, 1 mud bag, 4 trimming weights, 1 tail weight, 3 glass floats.

Time towing h. 20 m.

Remarks: Set out 20 fath. sounding wire & put on Inter ther. Messenger failed to detach from Inter ther & was released on arrival at surface. Took vertical haul with 4' Inter & two Kofoids

Deck Officer Owen Petteg Recorder C. E. Polong

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
P. M. Down.		Up.	P. M.		P. M. Down.		Up.	P. M.		
2	34	20	2	0	2	55	50	3	27	15
2	37	45	2	100	2	59	00	3	17	50
				200	3	02	50	3	15	50
				300						
				400						
				500						
				600						
				700						
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2 345-23

Dredge } No. 5790 Date, Oct 22, 1912
Hydrog. }
Sdg. Mch. TN Reel TN Shot 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 35 fms.

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

Thermom. { Make N 2 Cor'n { Instr. _____
 { No. 1019 - 1021 { Stem. _____
Inter Bottom Reading 49.8 - 49.95 at 15 fms. Cor'd Temp. 49.51

Temp. Surf. { 52.8 Time 11:26 a.m. Air { 55
 { 52.68 Time _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction S.E. Force 2-3

Baromet. 30.05 Amt. of Clouds 10 State of Sea C

Weather OT

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter & bottom, resp.

Apparatus and Rig used 4' Inter and 2 Koppin's
then 12' Agassiz; 4 kneeling weights
1-tois weight; 3 glass blocks; 1 mud bag.

Time towing h. 20 m.

Remarks: Bottom thermometer did not
trip - Towed Inter 5 min; 12'
Agassiz 20 min.

Deck Officer Mr. Clancy Recorder Frankl -
Cruiser

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up. M.				A. M. Down.		Up. M.			
11	17	00	11	52	15	Intg 60	11	34	00	12	01	30
11	20	00	11	00	00	100	11	37	00	11	57	00
						200						
						300						
						400						
						500						
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43 fms
11 37

Hydro. 5224

Dredge } No. 5791 Date, Oct. 22, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 36 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make T.3. No. 101911023 Cor'n { Instr. _____ Stem. _____

Bottom Reading 1.49.8 R. 49.8 Cor'd Temp. 49.56
Inter 49.9 49.8 47.31

Temp. Surf. { 52.5 Time 12:45 } Air { 54°
52.38 Time _____

Density: Surf. _____ fms. _____

Wind: Direction S.E. Force 2-3

Baromet. 30.10 Amt. of Clouds 10 State of Sea C

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 4' Inter; 2 Refords; 12' Agassiz; 4 kumig weights; 3 glass floats; 1 ball weight; 1 dried bag. Time towing h. 20 m.

Remarks: Lost weight after lifting from water. Colman water bottle used.

Deck Officer Mr. Dancy Recorder H. W. Prider

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

12 35 00 12 45 00

0

12 49 00 / 17 30

100

5245 / 13 30

110 200

12 53 00 / 13 00

300

400

500

Hydro 600

12 35 30 / 12 41 00

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

Hydro 5225

Dredge } No. 5792 Date, Oct 22, 1912
Hydrog. }
Sdg. Mch. Tanner Reel T.V. Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 26 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N.S. Cor'n _____ Instr. _____
 { No. 211019R1023 Stem. _____
Inter Bottom Reading 1.52 11.52 Cor'd Temp. 51.81
Temp. Surf. { 52 Time 2:01 P } Air { 53
 { 51.88 Time _____ } _____

Density: Surf. _____ fms. _____
Wind: Direction S.E. Force 2-3
Baromet. 30.02 Amt. of Clouds 10 State of Sea C
Weather 5/8

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 4' Inter, 2 Kofords,
12' Agassiz, 4 towing pulleys!
1 tail weight, 3 gas floats,
1 mud bag.
Time towing h. 20 m.

Remarks: Bottle failed to trip.
Eckman water bottle used.

Deck Officer Mr. Loney Recorder H. W. C. Under

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.
1 51 00		2 01 00	0	2 05 20		2 32 30
			90 100	2 09 00		2 29 00
			200			
			300			
			400			
			500			
			Hydro 600	1 53 00		1 55 00
			700			
			800			
			900			
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Dredge } No. 5793 Date, Oct 28, 1912
Hydrog. }
Sdg. Mch. Handled Reel — Shot/Lead 14 lbs.
Turns — Cor'n — Depth 10 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 ENE Force 1

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

Weather B

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 dredge

Time towing — h. 6 m.

Remarks: Towed backing.

Deck Officer Mr. Clancy Recorder A. Th. Kil

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		A. M. Down.	Up.	A. M.			
			0	11	15	30	11	30	00
			25 100	11	20	00	11	26	00
			200						
			300						
			400						
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SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. DOWN.		UP.	M.		^A M. DOWN.	UP.	^C M.			
				0	1	35	00	1	55	00
				75 100	1	40	00	1	57	00
				200						
				300						
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Dredge } No. 5795 Date, Oct 29, 1912
Hydrog. }

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

Turns Cor'n Depth 13 1/2 fms. *beginning of*
to 19 at end of haul

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 9:40 a } Air { 53°
 { { { {

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.30 Amt. of Clouds 4 State of Sea 2

Weather bcy

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 Oyster rake, bony attached
to upper part,

Time towing h. 13 m.

Remarks: End of bony broken out.

Deck Officer Ross King Recorder C. C. DeLong
11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.	a.M. Down.		Up.	a.M.	
				0	9 32 40	9	49 00
				100	9 36 30	9	45 45
				200 ¹²⁰	9 37 35	9	45 15
				300			
				400			
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Dredge } No. 5796 Date, Oct 29, 1912
Hydrog. }

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

Turns Cor'n Depth 19 1/2 fms.

Sdg. Cup Amt. Bot'm Sample to 12 1/2 at end of haul

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 10:50 } Air { 55° Time

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.29 Amt. of Clouds 19 State of Sea 2

Weather fog

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 Oyster rake, 4 glass floats.

Time towing h. 9 m.

Remarks:

Deck Officer Bain King Recorder C. B. DeLong

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.	Up.	M.	a. M. Down.		Up.	a. M.		
				0	10	35-40	10	49-40
				100	10	39-20	10	46-20
				200	10	41-05	10	44-30
				300				
				400				
				500				
				600				
				700				
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SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.	A.M. Down.		Up.	A.M.	
				0	11 51 00	12 03 30	
				35 400	11 54 15		
				40 200	11 55 00	12 01 30	
				300			
				400			
				500			
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