

H 5072-
5108.

D 5768-
5778.

H 5072
5108

D 5768
778

all part of same haul
D. 5768 v. 3.

Dredge } No. 5768 Date, July 9, 1912
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 1 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 _____

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

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used Mud bag from center

Time towing _____ h. 9 m.
Remarks: From end of last station 1 fms
 to 1 3/4 fms.

Deck Officer Porterfield Recorder Amabil
Chicago Bto. 11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.	Up.	M.			M. Down.	Up.	M.	
				0	2	1500	2	2400
				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				

Hy
507 2 1/4 fms

Dredge } No. 5769-a Date, Apr. 14, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 3 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 _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 2

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

Weather bc

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 Mud bag from cutter
in tow of large motor boat.

Time towing h. 5 m.

Remarks: _____

Deck Officer Wm. Postel in charge Recorder O. D. Long

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

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

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		A. M. DOWN.	UP.	P. M.
			0	9	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			

76yd

507 1/2 B 3 fath

Dredge } No. 5769-b Date, Apr 15, 1912
Hydrog }

Sdg. Mch. Handlead Reel Shot 14 lbs.
Lead

Turns _____ Cor'n _____ Depth 3 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 2

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

Weather bc

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 4' Tanner frame cutter
in tow of large motor boat.

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer St. Porterfield Recorder C. E. Long
in charge 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		A.M. Down.	Up.	A.M.
			0	9 55 00	10 01 45	
			100			42 45
			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			

Hyd
5072⁺ 314 fath.

Dredge } No. 5770-a Date, Apr 15, 1912
Hydrog. }

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

Turns Cor'n Depth 5 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

Baromet. Amt. of Clouds 6 State of Sea

Weather bc

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 mud bag from cutter instead of large sampan

Time towing h. m.

Remarks:

Deck Officer Mr. Porterfield Recorder C.E. Long in charge

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	10 27 00	11	06 00
			100			9
			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			

Hyd

5073 10 7 1/2 fath

Dredge } No. 5770-B Date, Apr 10, 19
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot } 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 7 1/2 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 1

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

Weather bc.

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 4 Tannes from cutter in tow of large motor boat.

Time towing _____ h. _____ m.

Remarks: Stopped at 11⁵⁶ and returned to ship; haul to be continued in afternoon.

Deck Officer Mr. Porterfield Recorder C. E. DeLong
in charge

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.	Up.	M.			a M. Down.	Up.	a M.	
				0	11 09 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				

Hydro.
5073 A

Dredge } No. 5771A Date, Apr. 15, 1912
Hydrog. }
Sdg. Mch. Hand lead Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 3 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 _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0-1

Baromet. _____ Amt. of Clouds 9 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 Bottom

Apparatus and Rig used 4' Tanner towed from stern of cutter by large motor launch.

Time towing h. 54 m.

Remarks: Towed from 3 1/4 fms to 3 feet along beach in Richardson Bay.

Deck Officer Mr. Porterfield Recorder H. W. Under
in charge boats

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

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

1 09 00 2 03 00

Hydro.

5074B 3 feet

Dredge } No. 57713 Date, Apr. 15, 1912
Hydrog. }
Sdg. Mch. Hand lead Reel Shot Lead 4 lbs.
Turns _____ Cor'n _____ Depth 3 feet 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 0-1

Baromet. _____ Amt. of Clouds 9 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 mud bag towed from stem of cutter by large motor launch.

Time towing h. 26 1/2 m.

Remarks: Towed along beach in Richardson Bay from 3 feet to 3 1/4 fms.

Deck Officer Mr. P. Antisfield Recorder H. W. Greber
in charge of boats

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

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

0

2 13 30 2 40 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

Hydra

50749 3 fms

Dredge } No. 5775 A Date, Apr. 15, 1912
Hydrog. }

Sdg. Mch. Hand lead Reel Shot Lead 10 lbs.

Turns _____ Cor'n _____ Depth 1 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 _____ } Air { _____
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0-1

Baromet. _____ Amt. of Clouds 9 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 mud bag towed from stern of cutter by large motor launch.

Time towing _____ h. _____ m.

Remarks: Towed along beach in Phipps Bay from 1 1/4 fms to 4 fms.

Deck Officer Mr. Kortebein Recorder H. W. Pinder

In Charge of Tows _____

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.	Up.	M.			M. Down.	Up.	M.			
				0	2	57	00	3	06	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						

Hydro

5075 B 4 1/2 fms

Dredge } No. 5772 B Date, Apr. 15, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 4 1/2 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 0-1

Baromet. _____ Amt. of Clouds 8 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 4' Tanner towed from stern of cutter by large motor boat.

Time towing h. 20 m.

Remarks: Towed along beach in Richardson Bay from 1/2 fms to 1 1/2 fms.

Deck Officer Mr. Postfield Recorder H. W. Under

in charge of beach 11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	3	1000	3	30	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					

Hydro
50759 / Efforts

Dredge } No. 5773A Date, Apr 15, 1912
Hydrog. }

Sdg. Mch. Hand Reel Shot/Lead 10 lbs.

Turns _____ Cor'n _____ Depth 3 1/2 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 2-1

Baromet. _____ Amt. of Clouds 9 State of Sea 5th

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 4 Tanner towed from stern of cutter by large motor boat.

Time towing 1 1/2 h.

Remarks: Towed along beach from 3 1/2 fms to 2 3/4 fms. Bridle strap carried away.

Deck Officer M. Portfield Recorder H. W. Under
in charge of boat

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.			
			0	3	51	00	4	09	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						

Hydro:
5076B2 3/4 fms.

Dredge } No. 5717313 Date, Apr 15, 1912
Hydrog. }
Sdg. Mch. Hand lead Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 2 3/4 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 _____ } Air { _____
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0-1

Baromet. _____ Amt. of Clouds 4 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 3 fathoms

Apparatus and Rig used mud bag towed from stern of cutter by long motor launch

Time towing h. 7 1/2 m.

Remarks: Towed along beach from 2 3/4 fms to 3 1/2 fms

Deck Officer Mr. Portfield Recorder H. W. Under
in charge of boat

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		P. M. Down.	Up.	P. M.
			0	4	1300	4 20 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			

Hydro.

5076A 3 1/2 fms

Dredge } No. 5774 B Date, April 16, 1912
Hydrog. }
Sdg. Mch. Handled Reel Shot } 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 4 1/2 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom T.G.

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Flood

General Locality G.G.

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used Mudbag from center

Time towing _____ h. 16 m.

Remarks: From line Pt Lt. house
along the beach outward to outlying
rocks - 4 1/2 - 4 3/4 fms.

Deck Officer J. P. ... Recorder J. P. ...
K. G. B. S.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
		2 min	0	9 45 00	9 48 00	
			100			
		5 "	200	9 50 00	9 53 00	
			300			
		8 "	400	9 57 00	10 05 00	
			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			

Hy 5077 B
4 3/4 fms.

Dredge } No. 5774 B Date, APR 16, 1912
Hydrog. }
Sdg. Mch. Handled Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 4 3/4 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 _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Flood

General Locality G.G.

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used 4' Tanner form center

Time towing h. 16 m.

Remarks: Rotating over same ground.

Deck Officer Lt. Porterfield Recorder Anshel
 Chas. Bost

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
		12 m	0	1007	30	10 19 00
			100			
		4 m	200	10 21 00	10	25 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			

Hy 50775

4 1/2 fms.

Dredge } No. ⁵⁷ 757 Date, Apr 16, 1912
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot }
Lead } lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom G _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Flood _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used Mud bag from cutter

Time towing _____ h. 7 m.

Remarks: From bluff with new bag -
7 fms. - towed along beach to
Yellow Bluff - 4 fms.

Deck Officer J. H. Parkfield Recorder Armed
Chas. B. St.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
		4 min	0	10 45 00	10 49 00	
			100			
		3 1	200	10 50 00	10 53 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			

5078 B
14 fms.

Dredge } No. ⁵⁷ 5753 Date, April 16, 1912
Hydrog. }
Sdg. Mch. Handled Reel Shot Lead 14 lbs.
Turns Cor'n Depth 4 fms 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

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface
 { Bottom

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 4' Tanner

Time towing h. 10 m.

Remarks: From Yellow Bluff - 4 fms -
along beach out wind on former
ground. to

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		A.M. Down.	Up.	A.M.
		5 min	0	10 53 40	11 00 00	
			100			
		2 "	200	11 01 30	11 03 30	
			300			
		3 "	400	11 05 20	11 08 00	
			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			

Hy 5078A
7 fms.

Dredge } No. 5776-a Date, Apr 17, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 3 1/2 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 1

Baromet. _____ Amt. of Clouds 0 State of Sea Sd

Weather S

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 Mud bag from cutter
in tow of large motor boat

Time towing _____ h. 16 m.

Remarks: Towed along beach from
3 1/2 fath to _____

Deck Officer Mr Portis Recorder C. B. Long
in charge of boat

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	9	4800	130400
			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			

Hyd 5079B

3 1/4 fath.

Dredge } No. 5776-4 Date, Apr 17, 1912
Hydrog. }
Sdg. Mch. Hand lead Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 374 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 _____

Baromet. _____ 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 4' Tanner frame
 autolite in tow of large motor
 boat

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer St. Peterfield Recorder C. E. O'Shary
 in charge

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		A.M. Down.	Up.	A.M.
			0	10	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			

*Hyd 50793
3 1/2 fath.*

Dredge } No. 3777-9 Date, Apr. 17, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 3 1/2 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 1

Baromet. _____ 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 Mud bag from cutter
in tow of large shallop boat

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Lt. Postersfield Recorder C. A. D.

in charge

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		a M. Down.	Up.	a M.
			0	104400	104730	
			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			

Hyd 5000
2 3/4 fath.

Dredge } No. 5477-b Date, April 17, 1912
Hydrog. }

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

Turns _____ Cor'n _____ Depth 2 3/4 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 _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 1

Baromet. _____ 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 4' Tannet from cutter
in tow of large motor boat

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer M. Postfield Recorder C. S. Song
in charge

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	1050 00	1050 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			

Hyd 50801
 3 1/2 fath.

Dredge } No. 5778 Date, April 17, 1912
Hydrog. }

Sdg. Mch. Hand lead Shot Lead 14 lbs.

Turns _____ Cor'n _____ Depth 2 1/2 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 1

Baromet. _____ 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 Towed bag from cutter in tow of large motor boat.

Time towing h. 16 m.

Remarks: Towed along beach from 2 1/2 to 2 1/4 fath.

Deck Officer Lt. Porterfield Recorder C. H. Long, Jr.
In charge of boats. 11-1024

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		9 M. Down.	Up.	9 M.
			0	11 00 00		11 16 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			

Hyd 5091B
2 1/4 fath

Dredge } No. 5478-b Date, April 17, 1917
Hydrog. }

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

Turns _____ Cor'n _____ Depth 2 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 _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. _____ 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 4' Tanner from cutter in tow of large motor boat

Time towing h. 2 1/2 m.

Remarks: _____

Deck Officer Lt. Porterfield Recorder C.E. Long
 in charge

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	11	18	50	11	42	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						

Hyd 5081a

2 1/2 fath

Dredge } No. 5079 Date, April 2/2, 1912
Hydrog. }

Sdg. Mch. Hand Reel 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. Stem.

Bottom Reading no reading Cor'd Temp.

Temp. Surf. { Time } Air {
Time }

Density: Surf. fms.

Wind: Direction breeze Force 1

Baromet. 30.31 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 surface

Apparatus and Rig used 4' Plankton: sinker

Time towing h. 11 1/2 m.

Remarks: Plankton
water bottle did not trap
Thermometer broken.

Deck Officer Mr. Redig Recorder H. W. Prider

SOUNDING WIRE.				FMS.	DREDGING CABLE.				
P. M. Down.		Up. P. M.			M. Down.		Up. M.		
1	33	30	1	44	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					

5092

Dredge } No. ~~5079~~ Date, April 23, 1912

Hydrog. }
Sdg. Mch. Lucas Reel H. Shot Lead 14 lbs.

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

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

Character of Bottom ---

Thermom. { Make N.Y. Cor'n { Instr. ---
 { No. 1. { Stem. ---

Bottom Reading 1.54 R 54.2 Cor'd Temp. 53.96

Temp. Surf. { 56 Time 10:53 A Air { 57
 { 55.73 Time --- { ---

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

Wind: Direction S.E. Force 0-1

Baromet. 30.31 Amt. of Clouds 10 State of Sea 5

Weather bry

Direction and Force of Current { Surface 67 Revs. 30 sec.
 { Bottom ---

Tide ---

General Locality ---

Position ---

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

Drift: Direction --- Distance ---

Depth of Haul Inter.

Apparatus and Rig used 11 Inter.

Time towing h. 10 m.

Remarks: ---

Deck Officer Mr. Conway Recorder H.W. Cline

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
A. M. Down.		Up.	A. M.			 M. Down.	Up. M.
10	41	00	10	52	30	0			
10	41	40	11	51	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			

Bridge } No. 5093 Date, April 23, 1912
Hydrog. }

Sdg. Mch. Lucas Reel H. Shot Lead 14 lbs.

Turns _____ Cor'n _____ Depth 6 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading 54.9855⁰ Cor'd Temp. 54.81

Temp. Surf. { 55.7 Time 11:37A } Air { 58°
 { 55.43 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 1-2

Baromet. 30.30 Amt. of Clouds 10 State of Sea S

Weather fog

Direction and Force of Current { Surface 46 Revs. 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter

Time towing h. 10 m.

Remarks: _____

Deck Officer Mr. Honey Recorder H. W. Prider

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
<i>A</i> M. Down.	Up.	<i>A</i> M.	<i>P</i> M. Down.		Up.	<i>P</i> M.	
11 24 50	11 32 20			0	12 30 00		
11 25 00	11 35 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.

Dredge } No. 5084 Date, Apr 23, 1912
Hydrog. }
Sdg. Mch. Lucas Reel L Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading 2.558 P. 56 Cor'd Temp. 55.76

Temp. Surf. { 56.5 Time 1:13:30 Air { 62
 { 56.23 Time _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction SSE Force 2

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

Weather bc

Direction and Force of Current { Surface 21 turns 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2' Trefits

Time towing h. 10 m.

Remarks: _____

Deck Officer Mr. Clancy Recorder J. A. Whit -

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	05	00	1	12	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. 5085 Date, Apr. 23, 1912
Hydrog. }

Sdg. Mch. Lucas Reel L Shot/Lead 14 lbs.

Turns _____ Cor'n _____ Depth 4 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading L: 56. TP: 56.2 Cor'd Temp. 55.96

Temp. Surf. { 56.5 Time 1:56 } Air { 60
 { 56.23 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3

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

Weather bc

Direction and Force of Current { Surface 11 runs to 30 fms.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Rfd.

Time towing h. 10 m.

Remarks: _____

Deck Officer Mr. Clancy Recorder A. K. Kil-

SOUNDING WIRE.			FMS.	DREDGING CABLE.									
<input checked="" type="checkbox"/> M. Down.	Up.	<input checked="" type="checkbox"/> M.		<input checked="" type="checkbox"/> M. Down.	Up.	<input checked="" type="checkbox"/> M.							
1	4500	1	55	30			0	1	45	-	1	45	-
							100						
							200						
							300						
							400						
							500						
							600						
							700						
							800						
							900						
							1000						
							1100						
							1200						
							1300						
							1400						
							1500						
							1600						
							1700						
							1800						
							1900						
							2000						
							2100						
							2200						
							2300						
							2400						
							2500						
							2600						
							2700						
							2800						
							2900						
							3000						
							3100						
							3200						
							3300						
							3400						
							3500						
							3600						
							3700						
							3800						
							3900						
							4000						
							4100						
							4200						
							4300						
							4400						
							4500						
							4600						
							4700						
							4800						
							4900						

~~Depth~~ No. 5086 Date, Sep 23, 1912
Hydrog. Sdg. Mch. Lucas Reel L. Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 5 1/2 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading L: 56.9 R: 56.9 Cor'd Temp. 56.66

Temp. Surf. { 56.5 Time 2:42 } Air { 56 1/2 }
 { 56.23 Time _____ } { _____ }

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3

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

Weather bc

Direction and Force of Current { Surface 1 1/2 revs, - 30 S
 { Bottom _____

Tide E

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul 100

Apparatus and Rig used 4' Trawl & 2 KFD.

Time towing _____ h. 10 m.

Remarks: _____

Deck Officer Mr. Clancy Recorder A. J. [Signature]

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
Ⓟ M. DOWN.	UP.	Ⓟ M.		Ⓟ M. DOWN.	UP.	Ⓟ M.
2	20	10	0	2	20	-
		2	100			
		4	200			
		6	300			
		8	400			
		10	500			
		12	600			
		14	700			
		16	800			
		18	900			
		20	1000			
		22	1100			
		24	1200			
		26	1300			
		28	1400			
		30	1500			
		32	1600			
		34	1700			
		36	1800			
		38	1900			
		40	2000			
		42	2100			
		44	2200			
		46	2300			
		48	2400			
		50	2500			
		52	2600			
		54	2700			
		56	2800			
		58	2900			
		60	3000			
		62	3100			
		64	3200			
		66	3300			
		68	3400			
		70	3500			
		72	3600			
		74	3700			
		76	3800			
		78	3900			
		80	4000			
		82	4100			
		84	4200			
		86	4300			
		88	4400			
		90	4500			
		92	4600			
		94	4700			
		96	4800			
		98	4900			

Dredge } No. 5087 Date, Sept 23, 1912
Hydrog. }
Sdg. Mch. Lucas Reel S. Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 9 3/4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading 2.56 R. 56.1 Cor'd Temp. 55.91

Temp. Surf. { 56.3 Time 3:25 } Air { 56
 { 56.03 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3

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

Weather bc

Direction and Force of Current { Surface 1/2 rev. to 30 sec.
 { Bottom _____

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter x 2 Kofoids

Time towing _____ h. 21 m.

Remarks: Towed 11 min. after anchor
was up; 10 min. while anchored.

Deck Officer Mr. Clancy Recorder Strickland

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
ϕ M. Down.	UP.	ϕ M.			ϕ M. Down.	UP.	ϕ M.	
2	10	3	05 20	0	2	13	8	16
				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. 5288 Date, Apr. 23, 1912
Hydrog. }
Sdg. Mch. Lucas Reel I Shot } 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 13 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading L: 56 R: 56 / Cor'd Temp. 55.91

Temp. Surf. { 56.5 Time 3:37 } Air { 56
 { 56.23 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction SW Force 2-3

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

Weather bc

Direction and Force of Current { Surface 14-15 revs. to 30 sec.
 { Bottom _____

Tide Flood

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used 4' Inter & 2 RFD.

Time towing _____ h. 9 m.

Remarks: _____

Deck Officer Mr. Clancy Recorder J. Smith

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>46</i>	<i>30</i>	<i>3</i> <i>36</i> <i>30</i>	<i>0</i>	<i>3</i> <i>36</i>	<i>-</i>	<i>3</i> <i>45</i> <i>00</i>
			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. 5089 Date, Apr 26, 19
Sdg. Mch. Lucas Reel Shot / lbs.
Turns Cor'n Depth 10 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom bk S.

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

Bottom Reading L. 53° R. 53° Cor'd Temp. 52.86

Temp. Surf. { 55.6°) Time 1:15 Air { 54° 55.33 Time

Density: Surf. fms.

Wind: Direction S.W. Force 1

Baromet. 30.15 Amt. of Clouds 16 State of Sea 2

Weather bc

Direction and Force of Current { Surface 4.3 rev. in 30 sec. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction At anchor Distance

Depth of Haul

Apparatus and Rig used 4' Intermediate, 2 Ke-fords, sinker

Time towing 1 h. 14 m.

Remarks: Eckenman water bottles

Deck Officer M. Clancy Recorder C. H. Long

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. Down.			Up. 9 M.				9 M. Down.			Up. 9 M.		
10	03	10	10	13	50	0	10	02	00	10	16	00
10	03	20	10	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. 5090 Date, April 26, 1912
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot Lead 24 lbs.

Turns _____ Cor'n _____ Depth 9 3/4 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom M.

Thermom. { Make { L. 213 # 1019 { Instr. _____
 { No. { Q. 72 # 1025 { Stem. _____
 L 53.7 Q 53.8

Bottom Reading _____ Cor'd Temp. 53.71

(# Ther. 108011 { 54.9° } Time _____ } Air { 54°
Temp. Surf. { 54.63 } Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction S.W. Force 2

Baromet. 30.18 Amt. of Clouds 6 State of Sea 2

Weather bc

Direction and Force of Current { Surface 4.2 Rev in 30 Sec
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchored Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Intermediate, 2 Kofoids, 1 sinker

Time towing h. 1 1/2 m.

Remarks: Eckman water bottle

Deck Officer Mrs. Clancy Recorder C. E. Long

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
A. M. Down.	Up.	A. M.			A. M. Down.	Up.	A. M.	
10 37	10 10	45	50	0	10 37	20 10	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. 5-091 Date, Apr 26, 1912
Hydrog. }

Sdg. Mch. Lucas Reel Shot/Lead 24 lbs.

Turns Cor'n Depth 8 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom sft.

Thermom. { Make S. 712 #1019 Cor'n { Instr. No. R: 712 #1023 Stem. L: 55 R: 54.9

Bottom Reading Cor'd Temp. 54.81

(Ther. No. 108011) 56.0 Time 11:29 Air 66.0
Temp. Surf. 55.73

Density: Surf. fms.

Wind: Direction S.W. Force 2

Baromet. 30.15 Amt. of Clouds .3 State of Sea 2

Weather bc

Direction and Force of Current { Surface 49 rev. to 30 sec Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter.

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

Time towing h. 1 1/2 m.

Remarks: Eckman water bottle

Deck Officer Mr. Clancey Recorder C. E. DeLong 11-1023

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.
11	16	00	0	11	16	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. 5092 Date, Apr 26, 19

Sdg. Mch. Lucas Reel Shot Lead 24 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make L. 712 # 1019 Cor'n { Instr. No. R. 712 # 1023 Stem.

Bottom Reading R. 55.4 L. 55.6 Cor'd Temp. 55.36

Temp. Surf. { 56.0 Time 11:59 Air { 56.0 55.73 Time

Density: Surf. fms.

Wind: Direction Force 1-2

Baromet. 30.17 Amt. of Clouds 4 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter

Apparatus and Rig used 4' Inter, 2 Kofoids, 1 sinker

Time towing h. m.

Remarks: Echinan water bottle

Deck Officer Mr Clancy Recorder C. H. Long

Dredge } No. 5093 Date, Apr. 26, 1912
Hydrog. }
Sdg. Mch. Lucas Reel H Shot 14 lbs.
Leads
Turns _____ Cor'n _____ Depth 4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make 2. no 2 #1019 Cor'n { Instr. _____
 { No. 7702 #1023 { Stem. _____

Bottom Reading 2.57.1 R 57 Cor'd Temp. 56.86

Temp. Surf. { 56° Time 1:02 P. } Air { 57
 { 55.73 { {

Density: Surf. _____ fms. _____

Wind: Direction 010 Force 2-3

Baromet. 30.16 Amt. of Clouds 4 State of Sea C

Weather bc

Direction and Force of Current { Surface 3 1/2 Revs: 30 Sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchored Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter. 1 amber
2 Kofords.

Time towing h. 10 m.

Remarks: Down on water ball

Deck Officer Mrs. Plancy Recorder H. W. Crider
11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.				
P. M. Down.	Up.	P. M.	M. Down.		Up.	M.			
12	52	00	1	02	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 Hydrog. No. 5094 Date, Apr. 26, 1912
 Sdg. Mch. Incas Reel H. Shot Lead 14 lbs.
 Turns _____ Cor'n _____ Depth 4 fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____

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

Bottom Reading 2.57.37P.57.2 Cor'd Temp. 57.01

Temp. Surf. { 57.8 Time 1:28 P } Air { 56
 { 57.53 Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction Varion Force 2-3

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

Weather bc

Direction and Force of Current { Surface 30-31-32 Prev 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchor'd Distance _____

Depth of Haul Inte

Apparatus and Rig used 4' Inte / sinker
2 1/2 fms.

Time towing _____ h. 10 m.

Remarks: Person on water battle

Deck Officer Mr. Clancy Recorder H. W. Crider

Dredge } No. 5095 Date, Apr. 26, 1912
Hydrog. }
Sdg. Mch. Lucas Reel 2 Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make no. 2 # 1019 Cor'n { Instr. _____
 { No. 1 no. 2 # 1023 { Stem. _____

Bottom Reading 157.2 1957.1 Cor'd Temp. 57.01

Temp. Surf. { 57.5 Time 1:11 P } Air { 56
 { 57.23 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction Various Force 3

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

Weather bc

Direction and Force of Current { Surface 34-35-36 Rev. 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchored Distance _____

Depth of Haul Bottom Inter

Apparatus and Rig used 4' Inter: 1 sinker
2 lb of oar

Time towing h. 10 m.

Remarks: Pullman hook battle.

Deck Officer Mr. Clancy Recorder H. W. Childs

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.	M. Down.		Up.	M.	
1	40	30	1	50	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			

Bredge } No. 5096 Date, Apr 26, 1912
Hydrog. }
Sdg. Mch. Lucas Reel 2 Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 5 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make S no 2 # 1019 Cor'n { Instr. _____
 { No. 2 no 2 # 1023 { Stem. _____

Bottom Reading L. 57.3 P. 57.2 Cor'd Temp. 57.11

Temp. Surf. { 57.8 Time 2:20 P } Air { 56
 { 57.53 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 3

Baromet. 30.17 Amt. of Clouds 3 State of Sea C

Weather bc

Direction and Force of Current { Surface 33-35-36-34 Prev. 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Underway Distance _____

Depth of Haul Ints.

Apparatus and Rig used 4 Ints. (2 under 2 floats)

Time towing h. 10 m.

Remarks: Put man water bottle

Deck Officer Mr. Clancy Recorder H. W. Prider

SOUNDING WIRE.					FMS.	DREDGING CABLE.		
P. M. Down.		Up.	P. M.			M. Down.	Up.	M.
2	10	00	2	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			

Dredge } No. 5097 Date, Feb. 29, 1912
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot/Lead } 24 lbs.

Turns _____ Cor'n _____ Depth 8 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make L. N. G. # 1019 Cor'n { Instr. _____
 { No. R. N. G. # 1023 { Stem. _____

Bottom Reading L: 52° R: 5-19° Cor'd Temp. 51.81

Temp. Surf. { 52.3° Time 1:10 P } Air { 56°
 { 52.03 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S.S.W. Force 4-5-

Baromet. 30.02 Amt. of Clouds 5 State of Sea 2

Weather bc

Direction and Force of Current { Surface 11 and 12 rev. for 30 sec.
 { Bottom _____

Tide _____



General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Intermediate, 2 Kofoids & sinker.

Time towing h. 14 m.

Remarks: Ekman water bottle used. Had net out twice - time of first not recorded as no specimens were saved. Ship under weigh on second trial.

Bottom too hard to obtain sample.

Deck Officer Mr. Clancy Recorder C. O. DeLong.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P.M. Down.	Up.	P.M.		P.M. Down.	Up.	P.M.
125900	1	0930	0	11500	1	2900
			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. 5096 Date, April 29, 1912

Sdg. Mch. Lucas Reel Lucas Shot/Lead } 24 lbs.

Turns _____ Cor'n _____ Depth 22 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make 243 # 1019 Cor'n { Instr. _____
 { No. R: 723 # 1023 { Stem. _____

Bottom Reading 53.2 R: 52 Cor'd Temp. 51.86

Temp. Surf. { 53.5° Time 2:00 } Air { 56°
 { 53.23 { }
 Time _____

Density: Surf. _____ fms. _____

Wind: Direction S. S. W. Force 4-5

Baromet. 30.02 Amt. of Clouds 7 State of Sea 2

Weather bc

Direction and Force of Current { Surface 1.7 sec. to 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchored Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Intermediate, 2 Kofoids, 1 sinker.

Time towing _____ h. 16 m.

Remarks: Eckman water bottle.
Bottom too hard to obtain sample.

Deck Officer *Mr. Clancy* Recorder *C. E. Long*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		P. M. Down.	Up.	P. M.
1 45 00		15 900	0	1 45 00		2 04 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			

Bredge } No. *5099* Date, *April 29*, 1912
Hydrog. }
Sdg. Mch. *Lucas* Reel *Lucas* Shot } *24* lbs.
Lead }
Turns _____ Cor'n _____ Depth *16* fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make *L: 282 # 1019* Cor'n { Instr. _____
{ No. *R: 282 # 1023* { Stem. _____

Bottom Reading *L: 52.2 R: 52.1* Cor'd Temp. *52.01*

Temp. Surf. { *54°* Time *2:26* } Air { *65°*
{ *53.73* Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction *S.S.W.* Force *4-5*

Baromet. *30.03* Amt. of Clouds *8* State of Sea *2*

Weather *bc*

Direction and Force of Current { Surface *41 to 42 rev to 30 sec*
{ Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction *Anchored* Distance _____

Depth of Haul *Inter.*

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

Time towing _____ h. *10* m.

Remarks: *Eckman water bottle.
Bottom too hard to obtain sample*

Deck Officer *Mr. Clancy* Recorder *Clancy*

Draught } No. 5100 Date, Apr 29, 1912
 Hydrog. }
 Sdg. Mch. Lucas Reel Lucas Shot } 24 lbs.
 Lead }
 Turns _____ Cor'n _____ Depth 6 1/2 fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____

Thermom. { Make Z.N.Z. #1019 Cor'n { Instr. _____
 { No. R.N.Z. #1023 { Stem. _____
 Bottom Reading L. 5-3° R 6-8° Cor'd Temp. 52.86

Temp. Surf. { 54.5° Time _____ } Air { 54°
 { 54.23 Time _____ }

Density: Surf. _____ fms. _____
 Wind: Direction S.W. Force 4-5
 Baromet. 30.04 Amt. of Clouds 9 State of Sea S.
 Weather bczp

Direction and Force of Current { Surface 38 and 39 rev. to 30 sec.
 { Bottom (at 3:13 gave 49 to 30 sec.)

Tide _____
 General Locality _____

Position _____
 Chart used: No. _____ Ed'n _____
 Drift: Direction _____ Distance _____

Depth of Haul Inter
 Apparatus and Rig used 4' Inter, 2 Kefoids,
 1 Sinkers

Time towing h. 22 m.
 Remarks: Eckman water bottle

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

Dredge } No. 5701 Date, Apr 29, 1912
Hydrog. }

Sdg. Mch. Lucas Reel Lucas ~~Shot~~ Lead 24 lbs.

Turns _____ Cor'n _____ Depth 9 3/4 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

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

Bottom Reading L 53° R 52.9° Cor'd Temp. 52.81

Temp. Surf. { 54.5° Time 3 45 } Air { 54°
 { 54.23 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S.W. Force 3-4

Baromet. 30.05 Amt. of Clouds 5 State of Sea S

Weather hazy

Direction and Force of Current { Surface 3-2 rev to 30 sec.
 { Bottom _____

Tide _____

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. _____ m.

Remarks: Eckman water bottle.

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

SOUNDING WIRE.				FMS.	DREDGING CABLE.							
P. M. Down.		Up.	P. M.		P. M. Down.		Up.	P. M.				
3	31	20	3	42	00	0	3	32	00	3	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. 5102 Date, April 29, 1917
Hydrog. }
Sdg. Mch. Lucas Reel L Shot 24 lbs.
Lead }
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make L. N3 1019 { Instr. _____
No. R: " 1023 { Cor'n _____
Stem. _____
Bottom Reading L: 54 R: 52.9 Cor'd Temp. 53.81
Temp. Surf. { 55.1 Time 4:10 p.m. } Air { 57.0 }
54.83 Time _____ } _____

Density: Surf. _____ fms. _____
Wind: Direction SW Force 3-4
Baromet. 30.04 Amt. of Clouds 9 State of Sea S
Weather bay.

Direction and Force of Current { Surface 5 knots to 30 sec.
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & sinker, 2 KFs.

Time towing h. 12 m.

Remarks: Eckman Wtr. bottle.

Deck Officer Mr. Clancy Recorder Amstil

SOUNDING WIRE.					FMS.	DREDGING CABLE.						
M. Down.		Up.	M.			M. Down.		Up.	M.			
4	00	00	4	10	-	0	4	00	-	4	12	-
						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. 5103 Date, Aug. 29, 19 12
Hydrog. }
Sdg. Mch. Luna Reel L. Shot Leads 24 lbs.
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make C. N. 3 1019 Cor'n { Instr. _____
 { No. R. " 1023 { Stem. _____

Bottom Reading L. 54.3 R. 54.2 Cor'd Temp. 54.11

Temp. Surf. { 55.8 Time 4:36 p } Air { 54°
 { 55.53 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3-4

Baromet. 30.04 Amt. of Clouds 9 State of Sea S

Weather bcz

Direction and Force of Current { Surface 53 var. to 30 var.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter x 2 Rfd.

Time towing _____ h. 12 m.

Remarks: Eckman Water bottle.

Deck Officer Mr. Clancy Recorder Amthel

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
P M. Down.		Up.	P M.		P M. Down.		Up.	P M.			
4	25	40	4	35	40	0	4	25	-	4	37
						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					

Towage } No. 5104 Date, Apr. 29, 1912
Hydrog. }
Sdg. Mch. Lucas Reel L Shot/Lead 24 lbs.
Turns _____ Cor'n _____ Depth 6 1/4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading L: 55.5 R: 55.2 Cor'd Temp. 55.26

Temp. Surf. { 55.8° Time 5:05 } Air { 55 }
 { 55.53 Time _____ } { _____ }

Density: Surf. _____ fms. _____

Wind: Direction SSW Force 2-3

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

Weather fog.

Direction and Force of Current { Surface 47 rev. to 30 sec.
 { Bottom _____

Tide _____

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. 12 m.

Remarks: Eckman water bottle.

Deck Officer W. Clancy Recorder J. Attili

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. DOWN.	UP.	P. M.		P. M. DOWN.	UP.	P. M.
4	57	05	0	4	57	05
			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. 5105 Date, Apr. 30, 1912
Hydrog. }
Sdg. Mch. Lucas Reel S Shot/Lead 14 lbs.

Turns _____ Cor'n _____ Depth 12 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make T3 Instr. _____
 { No. L1019 R. 1023 Cor'n { Stem. _____

Bottom Reading L 55 R 55 Cor'd Temp. 54.86

Temp. Surf. { 55.9 Time 10:00 A } Air { 58
 { 55.63 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S E Force 1-2

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

Weather bcg

Direction and Force of Current { Surface 4.5 Revs. 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction S W Distance _____

Depth of Haul Inte

Apparatus and Rig used 4' Inte + 2 Kofords.

Time towing h. 10 m.

Remarks: Estiman water bath

Deck Officer Mr. Stanley Recorder H. W. Grier

SOUNDING WIRE.

FMS.

DREDGING CABLE.

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	Up.		M.	Up.	M.
<i>A</i>					
<i>9 49 00</i>	<i>9 59 00</i>	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. 5706 Date, Apr. 30, 1912
Hydrog. }
Sdg. Mch. Lucas Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make M3 Cor'n _____ Instr. _____
 { No. L1019R1023 Stem. _____

Bottom Reading L 55.2 R 55.1 Cor'd Temp. 55.01

Temp. Surf. { 55.9 Time 10:24 A } Air { 57°
 { 55.63 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S.S.E Force 1-2

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

Weather hazy

Direction and Force of Current { Surface 54-56-57 Per. 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchored Distance _____

Depth of Haul Lites

Apparatus and Rig used 4 Lites: 2 / 6 fms.

Time towing h. 10 m.

Remarks: Put in on water bottle.

Deck Officer A. M. Stanley Recorder H. W. Prick

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		M. Down.	Up.	M.
10	1330	102330	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. 5107 Date, April 30, 1912
Hydrog. }
Sdg. Mch. Lucas Reel Shot 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading 55.27 55.2 Cor'd Temp. 55.06

Temp. Surf. { 56.3 Time 10:52 A } Air { 56
 { 56.03 { _____

Density: Surf. _____ fms. _____

Wind: Direction S.S.W. Force 2

Baromet. 30.17 Amt. of Clouds 7 State of Sea S

Weather haze

Direction and Force of Current { Surface 54-55 Rev: 30 sec.
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchored Distance _____

Depth of Haul Inter

Apparatus and Rig used H Inter 2 Kofords

Time towing h. 10 1/2 m.

Remarks: Bottom water ball

Deck Officer Am. Stanley Recorder H. W. Crider

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	A. M.		M. Down.	Up.	M.
(0 4) 00	10 5)	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			

Bridge } No. 5109 Date, Apr. 30, 1912
Hydrog. }
Sdg. Mch. Lucas Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 4 1/2 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make n. 3 Cor'n { Instr. _____
 { No. 21019 R1025 { Stem. _____

Bottom Reading L 56.1 A 56° Cor'd Temp. 55.91

Temp. Surf. { 56.3 Time 11:29A } Air { 56
 { 56.03 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction S.S.E. Force 2

Baromet. 30.17 Amt. of Clouds 5 State of Sea 3

Weather bcy

Direction and Force of Current { Surface 36-37-40 Rev. 130 sec
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Underway Distance _____

Depth of Haul Ints

Apparatus and Rig used 4' Ints: 2 Reports

Time towing _____ h. _____ m.

Remarks: Pickman water bottle

Deck Officer Mr. Stanley Recorder H. W. Price
11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

A M. Down. Up. A M.

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

11 18 00 11 28 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

$$\begin{array}{r} 75 \\ 8 \\ \hline 660 \end{array}$$