

H5329-

D5837-

507

Hydrog 5329

S. 104904

R. 1080.11

Dredge } No. 5837 Date, Feb 3, 1913
Hydrog. }

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

Turns Cor'n Depth 6 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. { 49 Time 11.25 } Air { 49 Time

Density: Surf. fms.

Wind: Direction Calm Force 0

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

Weather b c 7

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange Peel Bucket

Time towing h. m.

Remarks:

Deck Officer Mr King Recorder C. Clark

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						0	11	23	35	11	24	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. 5838 Date, Feb 3, 1913
Hydrog. }
Sdg. Mch. Hand head Reel Shot 64 lbs.
Lead }
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 Cor'd Temp.

Temp. Surf. { 49 Time 11:40 } Air { 50
Time

Density: Surf. fms.

Wind: Direction Calm Force 0

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

Weather b c 7

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange Ped Bucket

Time towing h. m.

Remarks:

Deck Officer M. King Recorder C. Cook

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						0	11	39	-	17	39	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 5839 Date, Feb 3, 1913
Hydrog. }
Sdg. Mch. Hand lead Reel Shot 14 lbs.
Lead 3 1/4
Turns Cor'n Depth 5 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. { 49 Time 11:55 } Air { 55
Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.15 Amt. of Clouds 5 State of Sea 5

Weather bcf

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange Peel Bucket

Time towing h. m.

Remarks:

Deck Officer M. King Recorder C. Clark

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.		Up.		M.			M. Down.		Up.		M.	
						0	11	54	20	11	55	—
						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. 5840 Date, Feb 3, 1913
~~Hydrog.~~
Sdg. Mch. Hand line Reel Shot 14 lbs.
Lead
Turns Cor'n Depth 9 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. { 50 Time 12:24 P. Air { 54
Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.15 Amt. of Clouds 6 State of Sea S

Weather hazy

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange peel bucket

Time towing h. m.

Remarks:

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

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. DOWN.			UP.				M. DOWN.			UP.		
						0	12	23	00	12	24	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. 5841 Date, July 3, 1913
Hydrog. }

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

Turns Cor'n Depth 12 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 50 Time 12:49 Air { 54
Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.15 Amt. of Clouds 4 State of Sea S

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange peel bucket

Time towing h. m.

Remarks:

Deck Officer M. King Recorder J. W. Childs
11-1023

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						0	12	48	20	12	49	20
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 5842 Date, April 7, 1913
Hydrog. }

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

Turns Cor'n Depth 25-28 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 15.40 Time 10.00 } Air { 55.0
Time

Density: Surf. fms.

Wind: Direction S.W. Force 1-2

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

Weather bcy

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' Oyster dredge, 2 glass floats.

Time towing h. 6 m.

Remarks:

Deck Officer Ross Rettig Recorder C. O. B. Long

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		<u>Q</u> M. Down.	Up.	<u>Q</u> M.
			0	9 57 40	10 10 15	
			75-100.	10 03 00	10 05 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			

Dredge } No. 5-43 Date, April 7, 1913
Hydrog. }

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

Turns Cor'n Depth 25-27 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 10 45 Air { 56°
Time

Density: Surf. fms.

Wind: Direction S.W. Force 1-2

Baromet. 30.23 Amt. of Clouds .9 State of Sea S.

Weather bcy

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' Oyster dredge, 2 glass floats

Time towing h. 4 1/2 m.

Remarks:

Deck Officer B. S. Clancy Recorder C. C. Redding

SOUNDING WIRE.						DREDGING CABLE.					
M. Down.			Up.			M. Down.			Up.		
					0	10	40	30	10	45	00
					75-100	10	43	45	10	45	50
					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. 5-844 Date, Apr 7, 1913
Hydrog. }

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

Turns Cor'n Depth 22 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time 11:15 } Air { 54°
Time

Density: Surf. fms.

Wind: Direction S.W. Force 1-2

Baromet. 30.22 Amt. of Clouds 9 State of Sea 2

Weather bcya

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' Oyster dredge,
3 glass floats.

Time towing h. 4 m.

Remarks:

Deck Officer Boon, Pettig Recorder C. B. Redding

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						0	11	10	50	11	15	50
						65-100	11	12	10	11	14	50
						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. 5845 Date, April 7, 1913
Hydrog.

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

Turns Cor'n Depth 14 fms. remarks.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make
No.

Cor'n { Instr.
Stem.

Bottom Reading

Cor'd Temp.

Temp. Surf. { Time
Time

Air {

Density: Surf.

fms.

Wind: Direction S.W.

Force 1-2

Baromet. Amt. of Clouds

State of Sea

Weather bcz

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No.

Ed'n

Drift: Direction

Distance

Depth of Haul bottom

Apparatus and Rig used 4' Oyster dredge,
3 glass floats.

Time towing

h. 5 m.

Remarks: Used 70 fath of line
in sdg - no bottom

Deck Officer Basin Rettig Recorder

C. E. De Long

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.		Up.	M.		M. Down.		Up.	M.
				0	11 39 35		11 49 30	
				125 100	11 44 15		11 44 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				

Dredge } No. 3846 Date, Apr 7, 1913
Hydrog. }
Sdg. Mch. Hand line Reel Shot 14 lbs.
Lead 45 w.l.g.
Turns Cor'n Depth 45 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 S.W. Force 1-2

Baromet. Amt. of Clouds State of Sea S

Weather bcg

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' Oyster dredge

3 glass floats

Time towing h. 3 m.

Remarks: Took all but 4 teeth & several
bales torn in bag.

Deck Officer J. Boatman Recorder C. Clark

A. Rethig.

SOUNDING WIRE.

M. DOWN. UP. M.

FMS.

DREDGING CABLE.

P M. DOWN. UP. P M.

0	12	10	-	12	22	35
125	12	15	-	12	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. 5847 A Date, Aug 22, 1913
Hydrog. }

Sdg. Mch. Handled Reel Shot } 14 lbs.
Lead }

Turns Cor'n Depth 8 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 11:11 a. } Air { 63°
Time 11:45 a. } 71°

Density: Surf. fms.

Wind: Direction Calm Force 0

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

Weather fog

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Orange-pool bucket;
then Snowshoe Dredge

Time towing h. 19 m.

Remarks: Operates Bottom Sampler

Deck Officer Mr. Netting Recorder U. A. Anttila

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

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

A = Orange-peel
Bucket

0

8 1/2 100

200

300

400

500

600

700

800

900

Snow & Ice
Dredge

1000

35 1100

1200

1300

1400

1500

1600

1700

1800

1900

B: Orange-peel
Bucket

1000

8 1/2 1100

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

11 09 05 11 10 05
11 09 25 11 09 26

11 19 00 11 44 05
11 23 00 11 42 00

11 49 50 11 51 00
11 50 10 11 50 40

Dredge } No. 5848 A Date, Apr. 22, 1913
Hydrog. }
Sdg. Mch. Hand line Reel Shot } 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 9 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 62 Time 12:57 P. } Air { 65
62 Time 1:30 P. } 63

Density: Surf. _____ fms. _____

Wind: Direction W-n Force 3

Baromet. 30.09 Amt. of Clouds 5 State of Sea Q

Weather bry

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used Orange per bucket:

Toaster dredge 2 glass floats: 150# weight

Time towing h. 32 1/2 m.

Remarks: Operated bottom sampler.

Deck Officer Mr. R. Stig Recorder J. W. Coker

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		P. M. Down.	Up.	P. M.
Orange Peel Bucket:-			0	12 47 00	12 47 30	
			100			
			200			
			300			
			400			
			500			
			600			
Roaster dredge			700	12 55 00	1 31 00	
			30 800	12 57 00	1 29 30	
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
58 48 B.			1500	1 41 00	1 42 00	
Orange Peel Bucket:-			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. 5849A Date, Apr. 22, 1913
Hydrog. }
Sdg. Mch. Hand line Reel Shot Lead 14 lbs.

Turns Cor'n Depth 9³/₄ fms.
Sdg. Cup Amt. Bot'm Sample End of haul 9'
Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 61 Time 2:16 P } Air { 60
61 Time 2:33 P } 60

Density: Surf. fms.

Wind: Direction West Force 2-3

Baromet. 30.06 Amt. of Clouds 2 State of Sea C

Weather bcg

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange peel bucket:
Roaster dredge 2 glass floats
150 lb weight

Time towing h. 17¹/₂ m.

Remarks:

Deck Officer Mr. R. J. King Recorder J. W. Cline

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

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

Orange Peel Bucket 0

2 09 00 2 10 00

100

200

300

400

500

600

700

Poaster dredge

~~800~~

2 14 00 2 35 00

30 ~~900~~

2 16 00 2 33 30

1000

1100

1200

1300

1400

5849 R,

Orange Peel Bucket.

~~1500~~

2 39 30 2 40 00

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. 5329 Date July 18, 1913
Hydrog. }

Sdg. Mch. Tur. Reel Tur Shot } 14 lbs.
Lead }

Turns Cor'n Depth 28 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 Anchored Distance

Depth of Haul

Apparatus and Rig used 4' inter #12 #20

Pr. m. Tur. case

Time towing h. m.

Remarks:

Deck Officer Recorder

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				

Temperatures -

7 AM Botm L 58.5 R 58.8

58.3

Surf. 60.9 60.0

8 Botm L 58.8 R 59.0

58.55

Surf. 60.3 59.4

9 Botm L 62.2 R 62.4

61.95

Surf 59.0 58.1

10 Botm L 57.0 R 57.1

56.7

Surf. 58.0 57.1

11 Botm L 56.2 R 56.5

56.0

Surf 58.1 57.2

12 Botm L 55.5 R 55.8

55.3

Surf 59.0 58.1

1 Botm L 55.5 R 55.6

55.2

Surf 58.5 57.6

2 Botm L 55.9 R 56.0

55.6

Surf 58.9 58.0

3 Botm L 55.4 R 55.8

55.25

Surf 58.9 58.0

4 Botm L 55.7 R 56.0

55.5

Surf. 57.8 56.9

5 Botm L 56.1 R 56.3

55.85

Surf 58.0 57.1

6 Botm L 56.8 R 57.0

56.55

Surf 57.6 56.7

7 Botm L 56.8 R 57.0

56.55

Surf 58.0 57.1

7:30 Botm L 56.9 R 57.0

56.6

Surf. 58.0 57.1

Dredge } No. 5330 Date, July 21, 1913
Hydrog. }

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

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

Weather _____

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

Tide Flood - Ebb.

General Locality _____

Position Pink Pt. N. B. E. Brother H. Smith

Chart used: No. CS 5533 Ed'n R. Tang. Sister N. 24 N

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: Hoach observation from
ship

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

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

Temperatures

10 AM Botm L 63.3
63.05 R 63.5Surf 65.0
64.111 Botm L 62.7
62.5 R 63.0Surf 63.8
62.912 Botm L 62.3
62.05 R 62.5Surf 63.7
62.81 Botm L 62.0
61.8 R 62.3Surf 64.1
63.22 Botm L 61.0
60.7 R 61.1Surf 63.2
62.33 Botm L 60.3
60.15 R 60.7Surf 62.2
61.34 Botm L 60.1
59.85 R 60.3Surf 62.0
61.15 Botm L 60.1
59.85 R 60.3Surf 63.0
62.16 Botm L 60.2
60.0 R 60.5Surf 63.0
62.17 Botm L 61.0
60.75 R 61.2Surf 63.1
62.2

Bredge } No. 5331 Date, July 21, 1913
Hydrog. }
Sdg. Mch. Handker Reel Shot }
Lead } lbs.
Turns Cor'n Depth / fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom M
Thermom. { Make N.S. Cor'n { Instr.
No. 2. R. Stem.
Bottom Reading 69 Cor'd Temp. 68.8
Temp. Surf. { Time 3:01 P } Air {
Time
Density: Surf. fms.
Wind: Direction South Force 5
Baromet. 29.99 Amt. of Clouds 6 State of Sea R
Weather bzf
Direction and Force of Current { Surface
Bottom
Tide Flood

General Locality San Pablo Bay
R (6) beam N 41 W, dist. 0.59 m.
Position
Chart used: No. CS 5332 Ed'n
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used

Time towing h. m.

Remarks:

R. thermo didn't work

Deck Officer R. P. Ashfield Recorder J. T. H. Vail

Ch. Asst.

SOUNDING WIRE.

② M. Down. Up. ② M.

2:45 Round lead

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	2:51	} temp. <i>thin</i>		
100	3:01			
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. 5332 Date, July 21, 1913
Hydrog. }

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

Turns Cor'n Depth 1 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading L. 6.6 R. 6.6 Cor'd Temp. 66.242

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction South Force 4

Baromet. 29.99 Amt. of Clouds 6 State of Sea R

Weather fog

Direction and Force of Current { Surface Bottom

Tide Flood

General Locality San Pablo Bay

Position 4 R (6): N 41 W, dist. 2.26 m.

Chart used: No. CS 1133 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Remarks: Lead 100 fms. Towed 100 fms. on bottom

Deck Officer F. Porterfield, Recorder J. T. B. 11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

P M. Down. Up. M.

P M. Down. Up. M.

5:31 Hove Lead

3:32 }
3:48 } temp

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. 5333 Date, July 21, 1913
Sdg. Mch. handless Reel Shot/Lead lbs.

Turns Cor'n Depth 2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.B. Cor'n { Instr. No. L. R. Stem.

Bottom Reading I. 64.5 R. 64.2 Cor'd Temp. 64.1

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction South Force 4

Baromet. 29.99 Amt. of Clouds 6 State of Sea R

Weather bry

Direction and Force of Current { Surface Bottom

Tide

General Locality San Pablo Bay

Position L + R (2): N 71 W, dist 0.25 m.

Chart used: No. CS 1333 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. Porterfield Recorder Amos

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

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

4:07 } lower end

4:17 } Tarp.

Dredge } No. 5334 Date, July 21, 1913
Hydrog. }
Sdg. Mch. Handan Reel Shot/Lead lbs.

Turns Cor'n Depth 3 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make W-3 Cor'n { Instr.
No. 5 R Stem.

Bottom Reading 1.60.6 R. 62.5 Cor'd Temp. 63.2

Temp. Surf. { Time Air {
Time

Density: Surf. fms.

Wind: Direction South Force 4-5

Baromet. 30.00 Amt. of Clouds 7 State of Sea R

Weather 603f

Direction and Force of Current { Surface
Bottom

Tide Flood

General Locality San Pablo Bay

Position Point H S 26 E, Lat 2.03 m.

Chart used: No. CS 533 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. Archfield, Recorder J. A. H. -

SOUNDING WIRE.

M. Down. Up. M.

4:50 } low lead
~~4:50~~

FMS.

DREDGING CABLE.

M. Down. Up. M.

4:52 }
 5:02 } Temp.

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. 5335 Date, July 21, 1913
Hydrog. }
Sdg. Mch. Hand Reel Shot Lead lbs.

Turns Cor'n Depth 13 1/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M.

Thermom. { Make No. 1 Cor'n { Instr. Stem.

Bottom Reading 2, 65. R. 64.8 Cor'd Temp. 64.6

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction S-SSW Force 3-5

Baromet. 29.99 Amt. of Clouds 7 State of Sea R

Weather Bz

Direction and Force of Current { Surface Bottom

Tide Flood

General Locality San Pablo Bay

Position Point Pt 87°W, dist 0.73 mi.

Chart used: No. CS 5533 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. P. H. Recorder A. T. H.

SOUNDING WIRE.

① M. Down. Up. M.
 5:31 1000 1000

FMS.

DREDGING CABLE.

M. Down. Up. M.

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

5:32 } Took
 5:42 } Temperature
 of
 Bottom

~~Dredge~~ } No. 5336 Date, July 22, 1913
Hydrog. }

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

Turns _____ Cor'n _____ Depth 8 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom S.

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

Bottom Reading L 59.5 R 59.8 Cor'd Temp. 59.3

Temp. Surf. { 60.0 Time _____ } Air { _____
 { 59.1 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Ebb

General Locality Middle

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used Ek Bot. 4' inter #12 #20

P. m. T. m. C. e.

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
M. Down.		Up.		M.		M. Down.		Up.		M.
					0	730				
					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. 5337 Date, July 22, 1913
Hydrog. }

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

Turns Cor'n Depth 13 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom S

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

Bottom Reading L 62.3 R 62.5 Cor'd Temp. 62.05

Temp. Surf. { 63.8 Time Air { 62.9 Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface 1.13 Kts per hr. Bottom

Tide Ebb.

General Locality middle

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Ekbot. Tm Cee Pr. m.

Winter #12 #20

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up. M.				A M. Down.			Up. M.		
						0	8	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. 5338 Date, July 22, 1913
Hydrog. }

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

Turns Cor'n Depth 16 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom S

Thermom. { Make 712. Cor'n { Instr. No. Stem.

Bottom Reading L 59.0 R 59.1 Cor'd Temp. 58.7

Temp. Surf. { 61.9 Time Air { 61.0 Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide Ebb.

General Locality Middle

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Ek bot Tm cse Pr. m 4' inter #12 #20

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						0	A					
						100	9	05				
						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. 5339 Date, July 22, 1913
Hydrog. }
Sdg. Mch. Tmr. Reel Tmr Shot Lead 14 lbs.

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

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom M.

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

Bottom Reading L 59.8 R 60.0 Cor'd Temp. 59.55

Temp. Surf. { 62.7 Time _____ } Air { _____
 { 61.8 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Ebb to Flood.

General Locality Middle

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used Ek bot Tmr ose Pr. m.
H'inter #12 #120

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.	Up.	M.			M. Down.	Up.	M.	
				0	10	00	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				

at. 11 00

Bot. Temp.

L. 59.4

R. 59.6

Corr. 59.15

Surf. 63.0

Corr. 62.1

~~Temperature~~ } No. 5340 Date, July 22, 19 13
Hydrog. }

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

Turns Cor'n Depth 23 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom S

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

Bottom Reading L 59.0 R. 59.1 Cor'd Temp. 58.7

Temp. Surf. { 61.2 Time Air { 60.3 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 Middle

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Eklot Trawl Pr. m. d'inter #20 #12

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
--- M.	Down.	Up.	--- M.			A M.	Down.	Up.	--- M.	
					0	11 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					

11-1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
M. Down.		Up.	M.			P M. Down.		Up.	M.	
					0	12	25			
					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					

~~Predge~~ } No. 5342 Date, July 22, 1913
Hydrog. }
Sdg. Mch. Tur Reel Tur Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 11 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom S
Thermom. { Make NZ. Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading L 60.2 R 60.3 Cor'd Temp. 59.9
Temp. Surf. { 60.0 Time _____ } Air {
 { 59.1 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 Middle
Position _____
Chart used: No. _____ Ed'n _____
Drift: Direction _____ Distance _____
Depth of Haul _____
Apparatus and Rig used Ekbot Turcai P. m.
4' inter #12 #20
Time towing _____ h. _____ m.
Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

P 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 25

~~dredge~~ } No. 5343 Date, July 23, 1913
Hydrog. }
Sdg. Mch. Tm Reel Tm Shot 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 10 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom M
Thermom. { Make Hg Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading L 62.9 R 63.0 Cor'd Temp. 62.6
Temp. Surf. { 64.9 Time _____ } Air { _____
 { 64.1 Time _____ }
Density: Surf. _____ fms. _____
Wind: Direction _____ Force _____
Baromet. _____ Amt. of Clouds _____ State of Sea _____
Weather _____
Direction and Force of Current { Surface _____
 { Bottom _____
Tide Ebb
General Locality Lower
Position _____
Chart used: No. _____ Ed'n _____
Drift: Direction _____ Distance _____
Depth of Haul _____
Apparatus and Rig used Ek bot Tm cse Pr m
 of inter #12 #20
Time towing _____ h. _____ m.
Remarks: _____
Deck Officer _____ Recorder _____

SOUNDING WIRE.			DREDGING CABLE.		
--- M. Down.	Up.	--- M.	FMS.	A M. Down.	Up. --- M.
			0	8 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. 5344 Date, July 23, 1913
Hydrog. }
Sdg. Mch. Tur Reel Tur Shot Lead 14 lbs.
Turns Cor'n Depth 4 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M.

Thermom. { Make 712 Cor'n { Instr.
No. Stem.

Bottom Reading L 62.3 R 62.5 Cor'd Temp. 62.05

Temp. Surf. { 70.0 Time } Air {
69.2 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 Lower

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Eklot Trawl Pump
Hinter #12 #20

Time towing h. m.

Remarks: Not towed 3 min.

Deck Officer Recorder

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
M. DOWN.		UP.		M.		M. DOWN.		UP.		M.
					0	10	0000			
					100					
					200					
					300					
					400					
					500					
					600					
					700					
					800					
					900					
					1000					
					1100					
					1200					
					1300					
					1400					
					1500					
					1600					
					1700					
					1800					
					1900					
					2000					
					2100					
					2200					
					2300					
					2400					
					2500					
					2600					
					2700					
					2800					
					2900					
					3000					
					3100					
					3200					
					3300					
					3400					
					3500					
					3600					
					3700					
					3800					
					3900					
					4000					
					4100					
					4200					
					4300					
					4400					
					4500					
					4600					
					4700					
					4800					
					4900					

~~Trawl~~ Hydrog. No. 5345 Date, July 23, 1913

Sdg. Mch. 1 m Reel Fur Shot Lead 14 lbs.

Turns Cor'n Depth 5 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M.

Thermom. { Make 712 Cor'n { Instr. No. Stem.

Bottom Reading L. 64.0 R 64.2 Cor'd Temp. 63.95

Temp. Surf. { 69.9 Time { Air { 69.1 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 Lower

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Ek bot Fur cse R m.

4' meter #12 #20

Time towing h. m.

Remarks:

Deck Officer Recorder

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

at 11.40

Bot Temp.

L 69.0

R 69.2

corr 68.95

Surf. 70.0

corr. 69.2

~~Dredge~~ } No. 5346 Date, July 23, 1913
Hydrog. }
Sdg. Mch. Tmr. Reel Tmr Shot } 14 lbs.
Lead }
Turns _____ Cor'n _____ Depth 5 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom M.
Thermom. { Make 712 Cor'n { Instr. _____
No. _____ Stem. _____
Bottom Reading L 64.0 R 64.1 Cor'd Temp. 63.9
68.0
Temp. Surf. { 67.2 Time _____ } Air { 68.95
69.2 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 Lower
Position _____
Chart used: No. _____ Ed'n _____
Drift: Direction _____ Distance _____
Depth of Haul _____
Apparatus and Rig used Ek bot Tmr ese Rm.
4' inter #12 #20.
Time towing _____ h. _____ m.
Remarks: _____
Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						0	P	105-				
						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						

~~Diurnal~~
Hydrog. } No. 5347 Date, July 23, 1913

Sdg. Mch. Tri Reel Tri Shot / 4 lbs.

Turns _____ Cor'n _____ Depth 92 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom M.

Thermom. { Make NZ.
No. _____

Cor'n { Instr.
Stem.

Bottom Reading L. 60.2 R. 60.2 Cor'd Temp. 60.85

Temp. Surf. { ~~63.1~~
67.2

Time

Time

Air

Density: Surf. fms.

Wind: Direction Force

<i>Baromet.</i>	<i>Amt. of</i> <i>Clouds</i>	<i>State of</i> <i>Sea</i>
-----------------------	---------------------------------------	-------------------------------------

Weather

Direction and Force of Current. { Surface

Bottom

Tide Flood

General Locality Lower

Position

Chart used: No. _____ Ed'n _____

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used EK bot Larce Perm
winter #12 #20

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						0	P					
						100	2	14				
						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. 5348 Date, July 23, 1912
Hydrog. }

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

Turns Cor'n Depth 4 feet fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom L; gs.; bu. M.

Thermom. { Make W. 2. Cor'n { Instr.
No. As last time Stem.

Bottom Reading L: 69.1 R: 69.0 Cor'd Temp. 68.75

Temp. Surf. { Time Air {
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds 7 State of Sea S

Weather bz

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

Time towing h. m.

Remarks: From motor boat

Deck Officer Charge of launch Recorder C. B. D. Long

11-1023

SOUNDING WIRE.

Thermometer FMS.

A M. Down. Up. *2* M.

DREDGING CABLE.

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

10 54 40 11 04 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. 5349 Date, July 28, 1918
Hydrog. }

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

Turns Cor'n Depth 2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom bu M.

Thermom. { Make N.Y. Cor'n { Instr. No. as before Stem.

Bottom Reading 2.69.5 R. 69.4 Cor'd Temp. 69.15

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force 1

Baromet. Amt. of Clouds 7 State of Sea 2

Weather bz

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

Time towing h. m.

Remarks: From motor boat

Deck Officer Lt Porterfield Recorder C.E. DeLong Charge of boat.

SOUNDING WIRE						FMS.	DREDGING CABLE.					
M. Down.		Up.		M.			M. Down.		Up.		M.	
11	27	30	11	37	30	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 5350 Date, July 23, 1913
Hydrog. }

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

Turns Cor'n Depth 3 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom bu M.

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

Bottom Reading L. 69.5 R. 69.3 Cor'd Temp. 69.1

Temp. Surf. { Time Air {
Time

Density: Surf. fms.

Wind: Direction Force 1-2

Baromet. Amt. of Clouds 7 State of Sea S

Weather bz

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

Time towing h. m.

Remarks:

Deck Officer Lt Porterfield Recorder C. E. H. Long

Charge of boat

SOUNDING WIRE.

FMS.

DREDGING CABLE.

Melish Down. Up. M.

M. Down. Up. M.

12 0000 12 1000

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. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms. _____

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

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					

Dredge } No. _____ Date, _____, 19____
 Hydrog. }
 Sdg. Mch. _____ Reel _____ Shot }
 Lead } lbs. _____
 Turns _____ Cor'n _____ Depth _____ fms. _____
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { _____ Time _____ } 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 _____
 Time towing _____ h. _____ m.
 Remarks: _____
 Deck Officer _____ Recorder _____

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					

Dredge } No. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms. _____

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						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. _____ Date, _____, 19
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

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					

Dredge } No. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms. _____

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } 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 _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						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. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms. _____

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						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. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						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. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						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. _____ Date, _____, 19____
 Hydrog. }
 Sdg. Mch. _____ Reel _____ Shot }
 Lead } lbs. _____
 Turns _____ Cor'n _____ Depth _____ fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { _____ Time _____ } 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 _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						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. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms. _____

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

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					

Dredge } No. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms. _____

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

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								

Dredge } No. _____ Date, _____, 19____
Hydrog. }

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

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

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

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

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

Weather _____

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

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					

11-1023

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					