

H5003-
5035.

D5714-
5731.

507

Last dredge # 5713

H 5003
5035

D 5714
31

Dredge } No. 5003 Date, July 23, 1912
Hydrog. }

Sdg. Mch. Hand lead of Reel Shot Lead 24 lbs.

Turns _____ Cor'n _____ Depth 4 1/2 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make W.G. No. 69479 Cor'n { Instr. _____ Stem. _____

Bottom Reading 54.7 Cor'd Temp. 54.63

Temp. Surf. { 55 Time 1:17 P } Air { 57 }
54.83 Time _____

Density: Surf. _____ fms. _____

Wind: Direction West Force 5-6

Baromet. 30.16 Amt. of Clouds 1 State of Sea C

Weather bc

Direction and Force of Current { Surface _____ Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. + 2 Kofans

Time towing _____ h. 10 m.

Remarks: Water bottle used on sounding line.

Deck Officer Mr. Clancy Recorder H. W. Prider

SOUNDING WIRE.				FMS.	DREDGING CABLE.							
P.	M.	DOWN.	UP.		P.	M.	DOWN.	UP.	P.	M.		
1	08	20	1	18	20	0	1	09	50	1	17	50
					100							
					200							
					300							
					400							
					500							
					600							
					700							
					800							
					900							
					1000							
					1100							
					1200							
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					3700							
					3800							
					3900							
					4000							
					4100							
					4200							
					4300							
					4400							
					4500							
					4600							
					4700							
					4800							
					4900							

~~Dredge~~ } No. 5004 Date, July 23, 1912
Hydrog. }
Sdg. Mch. Handled of Reel Steel Lead 24 lbs.
Turns _____ Cor'n _____ Depth 5 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make M.B. } Cor'n { Instr. _____ }
 { No. 69479 } { Stem. _____ }

Bottom Reading 54.7 Cor'd Temp. 54.63

Temp. Surf. { 55 Time 1:45 P } Air { 57 }
 { 54.83 Time _____ } { _____ }

Density: Surf. _____ fms. _____

Wind: Direction west Force 5-6

Baromet. 30.1² Amt. of Clouds 1 State of Sea C

Weather bc

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

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4 Inter. + 29 Refs

Time towing h. 10¹/₂ m.

Remarks: Water bottle used on
Rounding line

Deck Officer Mr. Clancy Recorder H. W. Snider

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		P. M. Down.	Up.	P. M.
1	34	30	0	1	35	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
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			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. 5005 Date, Feb 23, 1912
Hydrog. }
Sdg. Mch. Hand lead 20 lbs.
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make Wm. No. 69479 Cor'n { Instr. _____ Stem. _____

Bottom Reading 54.7 Cor'd Temp. 54.63

Temp. Surf. { 55 Time 2:12 P } Air { 57 }
54.83 Time _____

Density: Surf. _____ fms. _____

Wind: Direction West Force 4-5

Baromet. 30.12 Amt. of Clouds 1 State of Sea C

Weather bc.

Direction and Force of Current { Surface _____ Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 1' Inter & 2 Profords

Time towing _____ h. / 0 m.

Remarks: Water bottle used on landing
line

Deck Officer Mr. Clancy Recorder H. W. Crisp
11-1023

Hydrog. } No. 5006 Date, Feb 23, 1912
Sdg. Mch. Hand lead off Reel Shot Lead 24 lbs.
Turns _____ Cor'n _____ Depth 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make WJ No. 69479 Cor'n { Instr. _____ Stem. _____

Bottom Reading 55.2 Cor'd Temp. 55.13

Temp. Surf. { 54.7 Time 2.48 P } Air { 57 }
54.53 Time _____

Density: Surf. _____ fms. _____

Wind: Direction West Force 4-5

Baromet. 30.12 Amt. of Clouds 1 State of Sea C

Weather bc

Direction and Force of Current { Surface _____ Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter / 2 Kofors

Time towing _____ h. _____ m.

Remarks: Water bottle used on bounding line

Deck Officer M. Clancy Recorder H. W. Crider

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
L. M. Down.	Up.	L. M.		L. M. Down.	Up.	L. M.
23730		24740	0	23930		24520
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
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			3100			
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			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Dredge~~ } No. 5007 Date, Feb 23, 1912
Hydrog. }
Sdg. Mch. Hand line ft Reel Shot Lead 24 lbs.
Turns _____ Cor'n _____ Depth 6 3/4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make W3. Cor'n { Instr. _____
 { No. 69479 { Stem. _____

Bottom Reading 54° Cor'd Temp. 53.93

Temp. Surf. { 54.6 Time 3:18 P. Air { 56
 { 54.43 Time _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction west Force 4-5

Baromet. 30.08 Amt. of Clouds 1 State of Sea C

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 1' Inter + 29 fms

Time towing _____ h. _____ m.

Remarks: water bottle used on sounding line

Deck Officer Mr Clancy Recorder G. H. W. Under

SOUNDING WIRE				FMS.	DREDGING CABLE.			
P. M. Down.	Up.	P. M.			P. M. Down.	Up.	P. M.	
3	0930	3	1930	0	3	1100	3	1800
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
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				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
M. Down.		Up.	M.				M. Down.	Up.	M.
10	16	40	10	26	40	0			
						100			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
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						2800			
						2900			
						3000			
						3100			
						3200			
						3300			
						3400			
						3500			
						3600			
						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

Dredge } No. 5010. Date, Feb 27, 1912
Hydrog. }

Sdg. Mch. Line aft Reel ~~Shot~~ Lead 24 lbs.

Turns _____ Cor'n _____ Depth 7 1/2 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom STN

Thermom. { Make N3 Cor'n { Instr. _____
 { No. 69479. { Stem. _____

Bottom Reading 52.6° Cor'd Temp. 52.53

Temp. Surf. { 53.° Time 11:13:30 a.m. } Air { _____
 { 52.83 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction Calm Force 0

Baromet. 30.29 Amt. of Clouds 6 State of Sea S

Weather b'g

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Ebb

General Locality San Francisco Bay

Position { Anacapa Pt S 22 W - Gould Is. 14 N 26 W.
 { Ferry Bldg N 57 W

Chart used: No. CS 5531 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used 4' Inter & 2 Kofiks

Time towing _____ h. _____ m.

Remarks: Water bottle used

Deck Officer Mr Stanley Recorder J. M. [Signature]

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
A.M. Down.	Up. A.M.		M. Down.	Up.	M.
11 01 30	11 15 00	0			
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
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		2100			
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		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. 5011 Date, Feb 27, 1912
Hydrog. }
Sdg. Mch. Line aft Reel Shot 24 lbs.
Lead
Turns _____ Cor'n _____ Depth 9 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom STW

Thermom. { Make N3 Cor'n { Instr. _____
 { No. 69479 { Stem. _____
Bottom Reading 52.50 Cor'd Temp. 52.43

Temp. Surf. { 50.50 Time 11:35 a } Air { _____
 { 50.33 Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction Calm Force 0

Baromet. 30.28 Amt. of Clouds 6 State of Sea S

Weather Fog

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Ebb

General Locality San Francisco Bay

Position { Alvarado Pt S 12 W - Goat Id
 { 4 N 16 W - Ferry Bldg N 54 W

Chart used: No. CS 5531 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used 4' Inter. & 2 Kofoids

Time towing _____ h. _____ m.

Remarks: Water bottle used

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

SOUNDING WIRE.			FMS.	DREDGING CABLE.							
A.M. Down.	Up.	M.		M. Down.	Up.	M.					
11	26	20	11	36	20						
				0							
				100							
				200							
				300							
				400							
				500							
				600							
				700							
				800							
				900							
				1000							
				1100							
				1200							
				1300							
				1400							
				1500							
				1600							
				1700							
				1800							
				1900							
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				2100							
				2200							
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				2400							
				2500							
				2600							
				2700							
				2800							
				2900							
				3000							
				3100							
				3200							
				3300							
				3400							
				3500							
				3600							
				3700							
				3800							
				3900							
				4000							
				4100							
				4200							
				4300							
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				4500							
				4600							
				4700							
				4800							
				4900							

Dredge } No. 5013 Date, Feb 27, 1912
Hydrog. }

Sdg. Mch. Hand line aft Reel Shot } 24 lbs.
Lead }

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

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N. Z. Cor'n { Instr. _____
No. 69779 Stem. _____

Bottom Reading 53.2° Cor'd Temp. 53.13

Temp. Surf. { 53.3° Time 1211 } Air { 51.5°
53.13 Time _____

Density: Surf. _____ fms. _____

Wind: Direction Calm Force 0

Baromet. 30.22 Amt. of Clouds 1 State of Sea 2

Weather bcy.

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul nearly at bottom.

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

Time towing _____ h. _____ m.

Remarks: After haul, watch used in recording was found 15 min slow by ship's time. Had apparently stopped between stations as times had been compared by recorder before preceding station.

Water bottle used

Deck Officer W. Starbuck Recorder C. E. Bradley

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.		Up.	P. M.				P. M. Down.		Up.	P. M.		
12	58	45	1	08	45	0	12	58	15	11	08	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
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						2600						
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						2800						
						2900						
						3000						
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						3200						
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						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P.</i> M. Down.	Up.	<i>P.</i> M.		<i>P.</i> M. Down.	Up.	<i>P.</i> M.
1 40 40	1 50 50		0	1 42 00	1 49 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			

Trawl Hydrog. } No. 5015 Date, Feb 27, 1912

Sdg. Mch. Hand line Reel Shot Lead 24 lbs.

Turns Cor'n Depth 4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make T. G. Cor'n { Instr. No. 69479 Stem.

Bottom Reading 53° Cor'd Temp. 52.93

Temp. Surf. { 53.2° Time 2:11 } Air { 53° }
53.03 Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.19 Amt. of Clouds 1 State of Sea 2

Weather bz

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Close to bottom

Apparatus and Rig used 4' Intermediate, 2 Kofoid's
1 sinker

Time towing h. m.

Remarks: Water bottle used

Deck Officer Mrs. Stanley Recorder C. C. DeLong

Hydrog. } No. 5016 Date, Feb 27, 1912

Sdg. Mch. Hand line Reel Shot Lead 24 lbs.

Turns Cor'n Depth 4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Mg. Cor'n { Instr. No. 64479 Stem.

Bottom Reading 53° Cor'd Temp. 52.93

Temp. Surf. { 53° Time 2:32 } Air { 53.5° 52.83 Time }

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.17 Amt. of Clouds 2 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 Close to bottom

Apparatus and Rig used 4' Intermediate, 2 Kofoid, 1 snubber

Time towing h. m.

Remarks: Water bottle used

Deck Officer Mr. Stanley Recorder C.E. Long

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
P. M. Down.	Up.	P. M.			P. M. Down.	Up.	P. M.	
2	51	00	3 01 15	0	2	51	00	2 59 30
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
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				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Also H. 508

Dredge } No. 5714 Date, July 28, 1912
Hydrog. }
Sdg. Mch. Hand line reel Reel Shot Lead 34 lbs.
Turns _____ Cor'n _____ Depth 15 fms.

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

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 50° Time 10:16 A } Air { 59°
 { 50° Time 10:37 A } { 61°

Density: Surf. _____ fms. _____

Wind: Direction Calm Force 0

Baromet. 30.11 Amt. of Clouds 7 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 5' Tanner 1 sinker
2 wing weights 1 tail weight
2 glass floats 1 mud bag
Time towing _____ h. 18 m.

Remarks: _____

Deck Officer Mr. Rettig Recorder H. W. Cruise

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		A. M. Down.	Up.	A. M.			
			0	10	13	30	10	36	30
			34-100	10	16	30	10	34	20
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
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			2500						
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			2700						
			2800						
			2900						
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			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Hyd. 5018
G.

[Handwritten signature]

Alco H. 5019

Dredge } No. 5715 Date, July 29, 1912
Hydrog. }
Sdg. Mch. Hand line fust Reel Shot/Lead 24 lbs.
Turns _____ Cor'n _____ Depth 9 1/2 fms.

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

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 50° Time 11:09 A } Air { 65°
 { 50° Time 11:25 A } { 66°

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 0-1

Baromet. 30.09 Amt. of Clouds 7 State of Sea S

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 5' Tanner. 12 sinker
2 wing weights, 1 Tail weight
2 glass floats, 1 mud bag.
Time towing h. 15 1/2 m.

Remarks: _____

Deck Officer Mr. Pettig Recorder A. W. Prior

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		A. M. Down.	Up.	A. M.
			0	11 07	20	11 26 00
			25 100	11 09	10	11 24 40
			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. 5019
S.P.

Lead in Hand

Also H 5020

Dredge } No. 5716 Date, Feb 28, 1912
Hydrog. }
Sdg. Mch. Hand led Reel Shot Leads 14 lbs.
Turns _____ Cor'n _____ Depth begin: 6 fms.
Sdg. Cup _____ Amt. Bot'm Sample end: 9 "
Character of Bottom IT

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 51° Time 1:13/0 } Air { 77°
 { 50° Time 1:28/1 } { 77°

Density: Surf. _____ fms. _____

Wind: Direction Calm Force 0

Baromet. 30.03 Amt. of Clouds 6 State of Sea S

Weather fog.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Ebb

General Locality San Pablo Bay

Position { Pt. Pinole N80E - Brothers Lt S22W
 { Pt. Loma Siskia S45W

Chart used; No. 255533 Ed'n _____

Drift: Direction 221° Distance 1.0

Depth of Haul Bottom

Apparatus and Rig used 5' Tanner as before with mud bag

Time towing _____ h. 15 m.

Remarks: The net or inner lining of mud bag dropped out in transit from surface water to rail

Deck Officer Mr. Rettig Recorder [Signature]

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	1	11	00	1	29	35
			25 100	1	13	00	1	28	05
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
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			2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

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

Also H 5021

Dredge } No. 5717 Date, Feb. 28, 1917

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

Turns Cor'n Depth 7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom IT

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 51° Time 9:05 } Air { 68°

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. 30.00 Amt. of Clouds 6 State of Sea S

Weather fog

Direction and Force of Current { Surface Bottom

Tide Ebb

General Locality San Pablo Bay

Position { Manilla Pt N64E - Mt. Pinak S77E - Porothera Pt S29W

Chart used: No. CS 5533 Ed'n

Drift: Direction 2240 Distance 1.0

Depth of Haul Bottom

Apparatus and Rig used 5' Tanner as before, no mudbox.

Time towing - h. 12 m.

Remarks:

Deck Officer Mr. Rettig Recorder Frank

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.	Up.	M.			^P M. Down.	Up.	^P M.	M.
				0	✓ 05 30	2	9/8	25
				30 100	✓ 08 20			
				35 200	✓ 17 00	✓	21	20
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
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				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5021 Date, Feb 28, 1917
Hydrog. }
Sdg. Mch. Handled Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 7 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom gy

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 57° Time 2:30p } Air { 67°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 0-1

Baromet. 30.00 Amt. of Clouds 6 State of Sea S

Weather fog

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Ebb

General Locality San Pablo Bay

Position { Pt. Pinck N 78 E - Brothers
 { H S 24 W - R. t. Sister S 18 W

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Rettig Recorder Arthuril-
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			

Dredge } No. 5718 Date, Feb 28, 1912

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

Turns Cor'n Depth 7 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 51.0 Time 3:22 P.M. Air { 63.0

Density: Surf. fms.

Wind: Direction Variable Force 0-1

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

Weather fog

Direction and Force of Current { Surface Bottom

Tide Ebb

General Locality San Francisco Bay

Position { Orany Pt. South - Chimney Pt N 57 1/2 W Southampton Shoal Pt N 76 E

Chart used: No. CS 5532 Ed'n

Drift: Direction 1240 Distance 0.9

Depth of Haul Bottom

Apparatus and Rig used 5' Tanner & Madsen

Time towing - h. 22 m.

Remarks:

Deck Officer Mr. Reilly Recorder A. Tuttle

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.	Up.	M.			M. Down.	Up.	M.			
				0	3	19	25	0	45	45
				35	3	21	45	3	43	45
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
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				2700						
				2800						
				2900						
				3000						
				3100						
				3200						
				3300						
				3400						
				3500						
				3600						
				3700						
				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

Dredge } No. 5022 Date, Feb 28, 1912
Hydrog. }
Sdg. Mch. Hand led Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 9 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom gy

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 57° Time 3:45 } Air { 58°
 { _____ Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 2

Baromet. 29.98 Amt. of Clouds _____ State of Sea S

Weather fog

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Ebb

General Locality San Francisco Bay

Position { Southampton Shoal NE - Blunt
 { Pt S 38 W - Channey Pt N 57 W

Chart used: No. 025532 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Retting Recorder Arnikil

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				
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				2700				
				2800				
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				3000				
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				3200				
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				3600				
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				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5719 Date, March 1, 1912
Hydrog. }

Sdg. Mch. Hand line for lead Shot Lead 14 lbs.

Turns Cor'n Depth 6 1/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

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

Bottom Reading Cor'd Temp.

Temp. Surf. { 5-10 Time 10:47 } Air { 5-6-0
5-10 Time 11:08 } 6-5-0

Density: Surf. fms.

Wind: Direction South Force 1-2

Baromet. 29.88 Amt. of Clouds 10 State of Sea 2

Weather oz.

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 5' Tanner, 1 sinker
2 glass floats, 1 tail weight, 2 wing
weights, 1 mud bag

Time towing h. m.

Remarks: Mud bag lost.

Deck Officer Mr. Stanley Recorder C. B. DeLong
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			
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			2000			
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			2300			
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			2500			
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			2700			
			2800			
			2900			
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			3200			
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			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.	
			0	1	1320	1	30 00
			45 100	1	1630	1	2730
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
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			2700				
			2800				
			2900				
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			3100				
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			3500				
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			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

Leading Hand.

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				
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				2700				
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				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		P. M. Down.	Up.	P. M.
			0	1 49	2 22	30
			100	1 51	2 20	30
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
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			1700			
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			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Lead in Hand

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			
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			2800			
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			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5722 Date, March 1, 1912

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

Turns Cor'n Depth 5 1/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom fine mud

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

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 2:47 P. Air { 53 Time 3:12 P. 54

Density: Surf. fms.

Wind: Direction S.W. Force 2

Baromet. 29.98 Amt. of Clouds 10 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 5' Tanner: 1 sinker, 2 glass floats, 2 wing weights, 1 tail weight: 1 mud bag.

Time towing h. 25 3/4 m.

Remarks: * Tow 17 minutes with 25 fms out.

Deck Officer Mr Stanley Recorder H. W. Prider

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

*

* 20 minute with
5 fathoms out.

0	2	44	30	3	14	20
25	2	46	30			
35	3	04	15	3	12	15
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
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2700						
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2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.		Up.	M.		M. Down.		Up.	M.
				0				
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
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				3100				
				3200				
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				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5723 Date, July 6, 1912
Hydrog. }
Sdg. Mch. Hand lead Reel _____ Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 9 1/2 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom MSL

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 50° Time 10:12 AM } Air { 54°
 { _____ Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction SE Force 5

Baromet. 29.90 Amt. of Clouds 9 State of Sea C

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide Flood

General Locality San Francisco Bay

Position { _____
 { _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 5' Tanner & Munday as before

Time towing _____ h. 3 m.

Remarks: When heaving in and 11 fms. out, 10:16:50, wire fouled anchor (clawing stem forward). Cleared it and hove in, wire out from gin block at boom end. Lowered boom and replaced wire in shawl.

Deck Officer Mr. Clancy Recorder Atchit

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.		Up.	M.		M. Down.			Up.	M.	
				0	10	09	05	10	24	10
				35 +00	10	12	00	10	15	00
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
				1400						
				1500						
				1600						
				1700						
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				3700						
				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

Dredge } No. 5027 Date, July 6, 1912
Hydrog. }
Sdg. Mch. Hand lead Reel Shot/Lead 14 lbs.
Turns _____ Cor'n _____ Depth 11 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 50° Time 10:30 a.m. } Air { 54°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction SE Force 5

Baromet. 29.94 Amt. of Clouds 9 State of Sea C

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality San Francisco Bay

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used 5' Trawl

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Clancy Recorder A. T. Hill

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				
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				2800				
				2900				
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				3100				
				3200				
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				3700				
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				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
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				4700				
				4800				
				4900				

Dredge } No. 5724 Date, Mar 6, 1912

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

Turns Cor'n Depth 8 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. { 52° Time 1:25 P } Air { 52° 50° Time 1:35 P } 52.5°

Density: Surf. fms.

Wind: Direction S.E. Force 2-4

Baromet. 29.94 Amt. of Clouds State of Sea 2

Weather bcg

Direction and Force of Current { Surface Bottom

Tide

General Locality San Francisco Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 9' Agassiz, 3 glass floats & swing weights, 1 tail weight, 1 sinker

Time towing h. m.

Remarks: Net torn entirely loose from frame & hanging to bridle by bag lashing

Deck Officer Mr. Clancy Recorder C.B. DeLong

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.	Up.	M.			M. Down.	Up.	M.			
				0	1	21	00	1	04	40
				35-100	1	24	20	1	01	50
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
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				2500						
				2600						
				2700						
				2800						
				2900						
				3000						
				3100						
				3200						
				3300						
				3400						
				3500						
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				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
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				4800						
				4900						

Dredge } No. 5028 Date, Mar 6, 1912
Hydrog. }

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

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. { 50° Time 1.39 P } Air { 53° Time

Density: Surf. fms.

Wind: Direction S. S. E Force 3

Baromet. 29.94 Amt. of Clouds 9 State of Sea 2

Weather hazy

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 Mrs. Clancy Recorder C. E. Pringle

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			
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			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.		Up.	M.		P. M. Down.		Up.	P. M.		
				0	1	50	30	2	07	25
				35-100	1	50	50	2	04	30
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
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				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

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				
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				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
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				4700				
				4800				
				4900				

Dredge } No. 5726 Date, March 8, 1912
Hydrog. }

Sdg. Mch. Hand line fath Shot } lbs.
Lead }

Turns _____ Cor'n _____ Depth 6 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. { 51° Time 10:42 } Air { 51°
 { 52° Time 11:02 } { 54.5°

Density: Surf. _____ fms. _____

Wind: Direction Various Force 1

Baromet. 30.20 Amt. of Clouds 8 State of Sea 2

Weather bz

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality San Francisco Bay

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul bottom

Apparatus and Rig used 9' Agassiz, 150# sinker,
1 tail weight, 2 wing weights,
3 glass floats, (short Agassiz net),
mud bag.

Time towing h. 11 m.

Remarks: Net slightly torn

Deck Officer Mr. Rettig Recorder C. E. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		A. M. Down.	Up.	A. M.
			0	10 38 00	11 02 10	
			100	10 41 10	10 58 30	
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1800			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
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. 5727. Date, March 8, 1912
Hydrog. }
Sdg. Mch. Handley Reel Shot Lead 14 lbs.
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. { 52° Time 11:43:20 } Air { 59.2°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 2

Baromet. 30.14 Amt. of Clouds 8 State of Sea S

Weather B

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality San Francisco Bay

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 9' Agassiz & Mulsant as before.

Time towing _____ h. 15 m.

Remarks: Accumulator registered nearly 4 tons just before commencing to hoist in. Net came up wrecked.

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

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.	P. M. Down.		Up.	M.	
				0	12 40	35	1 01 00
				35 100	12 43	30	12 58 20
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
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				1700			
				1800			
				1900			
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				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
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				3400			
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				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
.... M. Down.	Up. M. M. Down.		Up. M.		
				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. 5728 Date, Mar. 8, 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. { 52.0 Time 1:21 } Air { 63.0
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction North Force 2

Baromet. 30.12 Amt. of Clouds 5 State of Sea S

Weather fog.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality San Francisco Bay

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom.

Apparatus and Rig used 5 ft Tanner & Musbey,
150-lb sinker 1 tail weight, 2 wing weights,
& 2 glass floats.

Time towing - h. 35 m.

Remarks: White washing out mud
from net at surface bottom of
net carries away and contents
were lost.

Deck Officer Mr. Petting Recorder A. T. K. -

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	1	4	00	1	58	00
			20	1	21	00	1	15	00
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
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			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
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			3800						
			3900						
			4000						
			4100						
			4200						
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			4500						
			4600						
			4700						
			4800						
			4900						

~~Bridge~~ } No. 5032 Date, March 8, 1912
Hydrog. }
Sdg. Mch. Handled 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. { 52° Time 1:57 } Air { 61°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____
Wind: Direction Variable Force 2
Baromet. 30.12 Amt. of Clouds 7 State of Sea S
Weather haze

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality San Francisco Bay

Position { _____
 { _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: White water and mud from
net of haul, bottom of net
carried away and contents were lost.

Deck Officer Mo. Retig Recorder J. Truitt

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			
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			1700			
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			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5729 Date, March 8, 1912
Hydrog. }
Sdg. Mch. Handley Reel Shot 14 lbs.
Lead }
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 2:40 } Air { 62.5°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 2

Baromet. 30.11 Amt. of Clouds 7 State of Sea S

Weather haze

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality San Fomina Bay

Position { _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 9' Agassiz & mud-bag; 3 glass floats, tail with 2 wing-weights, 150-lb sinker; short net.

Time towing - h. 13 m.

Remarks: _____

Deck Officer Mr. Rettig Recorder F. H. H. H. H. H.

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	2	37	30	2	57	40
			25 400	2	39	25	2	52	25
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
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			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Dredge } No. 5932 Date, March 8, 1912
Hydrog. }

Sdg. Mch. Hand Reel Shot Lead 12 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. { 52° Time 7:55:40 } Air { 65° Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.10 Amt. of Clouds 3 State of Sea S

Weather Bcs.

Direction and Force of Current { Surface Bottom

Tide

General Locality San Francisco Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Pettig Recorder J. J. Smith

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				
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				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5730 Date, March 8, 1912
Hydrog. }

Sdg. Mch. Handlead 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. { 62' Time 3:14 } Air { 65' Time

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. 30.10 Amt. of Clouds 3 State of Sea 8

Weather bcz.

Direction and Force of Current { Surface Bottom

Tide

General Locality San Francisco Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9' Agassiz & mud bag rigged as before.

Time towing - h. 12 m.

Remarks:

Deck Officer Mr. Rettig Recorder ATUKIL-

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.	Up.	M.			M. Down.	Up.	M.			
				0	3	//	55	3	27	00
				25-400	9	12	50	3	25	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. 5034 Date, March 8, 1912
Hydrog. }
Sdg. Mch. Handlead Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 5 1/4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time 3:28 p } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 0-1

Baromet. 30.08 Amt. of Clouds 3 State of Sea S

Weather Fog

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality San Francisco Bay.

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. P. King Recorder Atukil-

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

Dredge } No. 5731 Date, March 11, 1902
~~Hydrog.~~ }
Sdg. Mch. Handline Reel Shot Lead 14 lbs.
Turns _____ Cor'n _____ Depth 16 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

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

Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { 57 Time 9:53 } Air { 50°
 { 57 Time 10:02 } { 50°

Density: Surf. _____ fms. _____
Wind: Direction E Force 2
Baromet. 30.10 Amt. of Clouds 10 State of Sea C
Weather 02p

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 9' Agassiz 1' mud
bag; 1 sinker; 2 wing weights;
1 Tail weight; 3 glass floats.
Time towing h. 10 ²/₃ m.

Remarks: _____

Deck Officer Mr. Stanley Recorder H. W. Price
Mr. P. et al

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
M. Down.	Up.	M.			A. M. Down.	Up.	A. M.				
				0	9	47	00	10	05	30	
				60	100	9	51	00	10	01	40
				200							
				300							
				400							
				500							
				600							
				700							
				800							
				900							
				1000							
				1100							
				1200							
				1300							
				1400							
				1500							
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				2200							
				2300							
				2400							
				2500							
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				2700							
				2800							
				2900							
				3000							
				3100							
				3200							
				3300							
				3400							
				3500							
				3600							
				3700							
				3800							
				3900							
				4000							
				4100							
				4200							
				4300							
				4400							
				4500							
				4600							
				4700							
				4800							
				4900							

SOUNDING WIRE.

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