

No. 1. — *List of Dredging Stations occupied by the United States Coast Survey Steamers "Corwin," "Bibb," "Hassler," and "Blake," from 1867 to 1879. BENJAMIN PEIRCE and CARLILE P. PATTERSON, Superintendents of the Coast Survey.*

THE following stations were occupied by the U. S. Coast Survey Steamer "Corwin," Acting-Master R. Platt, U. S. N., commanding, in 1867, in connection with a survey for a telegraph cable between Key West and Havana. The dredging operations were in charge of L. F. Pourtales, Assist. U. S. Coast Survey. The expedition was cut short by the breaking out of yellow-fever on board.

Date.	Position.	Depth.	Locality.
May 17	1	90-100 fms.	5 m. S.S.W. of Sand Key, Fla.
" 24	2	270 "	1.6 m. from Chorrera, Cuba.
" 25	3	350 "	2 m. " "
" 29	4	270 "	1.6 m. " "

The dredgings in 1868 and 1869 were made on board the U. S. Coast Survey steamer "Bibb," Acting-Master R. Platt, U. S. N., commanding, by L. F. Pourtales, Assist. U. S. Coast Survey. They are all comprised in the Florida Straits between Tortugas and Cape Florida. (See U. S. Coast Survey, General Coast Chart No. X., Coast Survey Report for 1850.)

1868.	No. of Dredging.	Fms.	Locality.
April 23	2d position	195	Off Sombrero.
" "	3d "	115	" "
May 1	7	111	" "
" "	6	121	" "
" "	5	111	" "
" "	4	152	" "
" "	3	183	" "
" "	2	262	" "
" "	1	517	" "
" 4	1	19	Off Bahia Honda.
" "	4	75	" "
" "	5	95	" "

1868.	No. of Dredging.	Fms.	Locality.
May 4	6	105	Off Bahia Honda.
" "	7	100	" "
" "	9	119	" "
" "	10	128	" "
" "	11	176	" "
" "	12	324	" "
" "	13	418	" "
" 6	1	16	Off American Shoal.
" "	3	43	" "
" "	4	55	" "
" "	5	75	" "
" "	6	83	" "
" "	7	98	" "
" "	8	94	" "
" "	9	100	" "
" 8	1	111	" "
" "	3	150	" "
" "	4	135	" "
" "	5	266	" "
" 9	2	34	Off the Samboes.
" "	4	67	" "
" "	5	80	" "
" "	6	93	" "
" "	7	96	" "
" "	8	101	" "
" "	9	106	" "
" "	10	106	" "
" "	11	116	" "
" "	12	123	" "
" "	13	125	" "
" "	14	125	" "
" "	16	139	" "
" "	17	147	" "
" "	18	298	" "
" "	19	237	" "
" 11	2	26	Off Sand Key.
" "	3	54	" "
" "	4	67	" "
" "	5	82	" "
" "	6	94	" "
" "	7	103	" "
" "	9	119	" "
" "	10	119	" "
" "	11	128	" "

1868.	No. of Dredging.	Fms.	Locality.
May 11	12	127	Off Sand Key.
" "	13	123	" "
" "	14	134	" "
" "	15	143	" "
" "	16	138	" "
" "	17	154	" "
" "	19	306	" "
" "	20	248	" "
" 15	1	100	" "
" "	3	100	" "
" "	4	100	" "
" "	5	100	" "
" "	6	100	" "
" 16	1	120	" "
" "	2 & 3	120	" "
" "	4 & 5	120	" "
" "	6	120	" "
1869.			
Jan. 15	1	6-7	S. of Tortugas.
" "	2	13	" "
" "	3	17	" "
" "	4	34	" "
" "	7	260	" "
" 16	1 & 2	30-32	W. of Tortugas.
" "	3	35	" "
" "	4	36	" "
" "	5	36	" "
" "	6	35	" "
" "	7	35	" "
" "	8	37	" "
" "	9	37	" "
" "	10	34	" "
" "	11	43	" "
" "	12 & 13	42	" "
" 17	1	43	" "
" "	3	124	" "
" "	5	502	" "
" 18	1	25	S. W. of Tortugas.
" "	3	60	" "
" "	4	115	" "
" "	5	214	" "
" "	6	306	" "
" "	7	389	" "
" "	8	468	" "

1869.	No. of Dredging.	Fms.	Locality.
Jan. 22	1	13	{ Between Rebecca Shoal and East Key.
" "	2	11	S. of Rebecca Channel.
" "	3	161 $\frac{1}{2}$	" "
" "	4	47	" "
" "	5	118	" "
" "	6	290	" "
" "	7	349	" "
" "	8	377	" "
" "	9	416	" "
" 23	1	34	12 m. W. of Marquesas.
" "	2	74	Off the Quicksands.
Feb. 10	1	42	Off Marquesas.
" "	2	55	" "
" "	3	40	" "
" "	Several casts.	12-15	" "
" 11	1	107	S. of Marquesas.
" "	2	132	" "
" "	3	140	" "
" "	5	296	" "
" "	6	333	" "
" 15	1	105	Off Boca Grande.
" "	2	122	" "
" "	3	122	" "
" "	4	125	" "
" "	5	125	" "
" "	6	90	" "
" 16	1	125	" "
" "	3	327	" "
" "	4	368	" "
" "	5	405	" "
" 17	1	50	S. W. of Sand Key.
" "	2	125	" "
" "	3	138	" "
" "	4	325	" "
" "	5	87	" "
Mar. 4	1	450	Off Cojima, near Havana.
" 5	2	638	Off Cruz del Padre, Cuba.
" 10	1	315	Off Double-headed Shot Keys.
" 21	1	40	Off Conch Reef.
" "	2	45	Off French Reef.
" "	3	49	Off the Elbow Reef.
" "	4	70	" "
" "	5	60	Off Carysfort Reef.

1869.	No. of Dredging.	Fms.	Locality.
March 21	6	48	Off Carysfort Reef.
" "	7	40	" "
" "	8	35	" "
" "	9	12	Off Turtle Harbor.
" 23	1	63	Off Carysfort Reef.
" "	2	116	" "
" "	3	138	" "
" "	4 (Empty.)	293	" "
" "	5	317	" "
" "	6	320	" "
" "	7	351	" "
" 31	1	52	" "
" "	2	117	" "
" "	3	206	" "
" "	4	349	" "
April 1	2 & 3	9	Off Orange Key, Bahamas.
" 3	1	15	Off French Reef.
" "	2	37	" "
" "	3	44	" "
" "	4		" "
" "	5	75	" "
" "	6	10	" "
" 21	1	135	Off Key West.
" "	2	295	" "
" "	3	140	" "
" "	4	140	" "
" "	5	120	" "
May 7	1	21	Off Tennessee Reef.
" "	2	53	" "
" "	3	85	" "
" "	4	108	" "
" "	5	114	" "
" "	6	115	" "
" "	7	124	" "
" "	8	160	" "
" "	9	174	" "
" "	10	200	" "
" 8	2	41	Off Alligator Reef.
" "	3	53	" "
" "	4	68	" "
" "	5	79	" "
" "	6	88	" "
" "	7	110	" "
" "	8	110	" "

1869.		No. of Dredging.	Fms.	Locality.	
May	8	9	113	Off Alligator Reef.	
"	"	10	118	"	"
"	"	11	138	"	"
"	"	12	147	"	"
"	"	13	156	"	"
"	"	14	189	"	"
"	"	15	238	"	"
"	11	1	30	Off Conch Reef.	
"	"	2	39	"	"
"	"	3	49	"	"
"	"	4	60	"	"
"	"	5	77	"	"
"	"	6	117	"	"
"	"	7	139	"	"
"	"	8	157	"	"
"	"	9	169	"	"
"	"	10	257	"	"
"	13	1	30	Off Pacific Reef.	
"	"	2	49	"	"
"	"	3	60	"	"
"	"	4	75	"	"
"	"	5	98	"	"
"	"	6	180	"	"
"	"	7	233	"	"
"	"	8	283	"	"
"	"	9	287	"	"

The following dredging stations were occupied by the U. S. Coast Survey steamer "Hassler," Lieut.-Commander P. R. Johnson, U. S. N., commanding, during her voyage from Boston to San Francisco, in 1871 and 1872. Prof. L. Agassiz was in charge of the scientific department; the dredgings were made by L. F. Pourtalès, Assist. U. S. Coast Survey.

1871.		No. of Dredging.	Fms.	Locality.	
Dec.	29	1-4	75-100	Off Sandy Bay, Barbados.	
"	30	5-8	17-100	"	"
1872.					
Jan.	18	9	15	Lat. 11° 49' S., between the meridians of 37° 10' and 37° 27' W., standing off and on shore.	
"	"	10	17		
"	"	11	40		
"	"	12	500	"	"
"	"	13	20	"	"
"	"	14	75	"	"
"	"	15	200	"	"

1872.		No. of Dredging.	Fms.	Locality.
Jan.	20	16	30	Off the Abrolhos, Brazil.
"	"	17	20	" " "
"	"	18	26	" " "
"	"	19	44	" " "
"	22	20	35	Off Cape Frio, Brazil.
"	"	21	45	" " "
Feb.	20	22	70	Lat. 32° 0' S., Long. 50° 15' W.
"	"	23	70	" " "
"	22	24	19	{ Lat. 34° 55' S., Long. 54° 12' W., off La Plata River.
"	29	25	7	{ Lat. 35° 12' S., Long. 55° 30' W., in La Plata River.
March	1	26	44	Lat. 37° 42' S., Long. 56° 20' W.
"	3	27	30	" 40° 22' " 60° 35'
"	4	28	17	" 41° 17' " 63° 0'
"	"	29	25	" 41° 15' " 63° 50'
"	7	30	30	" 41° 40' " 63° 13'
"	9	31	55	" 44° 52' " 64° 10'
"	11	32	57	" 49° 40' " 66° 50'
"	12	33	58	" 51° 26' " 68° 5'
"	13	34	22	Off Cape Possession, Patagonia.
"	19	35	13	Anchorage at Sandy Point.
"	20	36		" at Port Famine.
"	21	37		" at Port Gallant.
"	27	38	135	{ Between Sholl Harbor and Cape Tamar, Straits of Magellan.
April	16	39	7-9	Talcahuano Bay.
"	25	40	35	Off Talcahuano Bay.
"	"	41	64	
"	"	42	66	
"	"	43	84	
"	27	44	2410	{ Lat. 35° 29' S., Long. 75° 11' W. Surface temp., 57.5°. Bottom temp., 35°. Dredge lost.
"	29	45	656	{ Two miles off Cumberland Bay, Juan Fernandez. Bottom temp., 39°.
"	"	46	1144	{ Three miles N. W. of Juan Fernan- dez. Bottom temperature, 36°.
May	2	47	65	Off Cumberland Bay.
"	"	48	220	" "
"	13	49	45	Off Valparaiso.

During the season of 1877 and 1878 the dredging operations from December to March were in charge of Alexander Agassiz, and the follow-

ing stations were occupied by the U. S. Coast Survey steamer "Blake," Lieut.-Comm. C. D. Sigsbee, U. S. N., commanding. The cruise extended from Key West to Havana, from Havana westward along the north coast of Cuba, from Key West to the Tortugas, thence to the northern extremity of the Yucatan Bank and Alacran Reef, to Cape Catoche and across to Cape San Antonio, returning to Key West, and from Key West to the Tortugas, and northward to the mouth of the Mississippi River.

1877-78.

Stat.	Fms.	Temperature.		Locality.
		Surface.	Bottom.	
1	801	73°	39 $\frac{3}{4}$ °	Off Morro Light.
2	805	77	39 $\frac{3}{4}$	" "
3	924	78 $\frac{1}{2}$	39 $\frac{3}{4}$	" " (Bottom, soft coral ooze.)
4	936	77 $\frac{1}{2}$	39 $\frac{1}{2}$	" " " "
5	229 152	76	49 $\frac{1}{2}$	Lat. 24° 15' N., Long. 82° 13' W. (Soft coral ooze.)
6	137			Lat. 24° 17' 30" N., Long. 82° 9' W.
7 & 8 (Only mud brought up.)				
9	111	70	55 $\frac{1}{2}$	Seven m. S. by W. from Sand Key.
10	37			Lat. 24° 44' N., Long. 83° 26' W.
11	37			Lat. 24° 43' N., Long. 83° 25' W.
12	36			Lat. 24° 34' N., Long. 83° 16' W.
13	742			Off Morro Light.
14	850 900			Lat. 23° 18' N., Long. 82° 21' W.
15	785			Near Morro Light, Lat. 23° 14' N., Long. 82° 25' W.
16	292	77	55 $\frac{2}{3}$	Near Morro Light, Lat. 23° 11' N., Long. 82° 23' W.
17	320	76	50 $\frac{1}{2}$	About 2 m. from Mariel, Lat. 23° 4' N., Long. 82° 43' W.
18	756	76	40	Off Mariel, Lat. 23° 7' N., Long. 82° 43' 30" W.
19	310	76	52 $\frac{1}{2}$	Off Bahia Honda, Cuba, Lat. 23° 3' N., Long. 83° 10' 30" W.
20	220	76	62	Off Bahia Honda, Lat. 23° 2' 30" N., Long. 83° 11' W.
21	287			" " Lat. 23° 2' N., Long. 83° 13' W.
22	100	77	71	" " Lat. 23° 1' N., Long. 83° 14' W.
23	190	77	64	" " Lat. 23° 1' N., Long. 83° 14' W.
24	342	78	50	" " Lat. 23° 2' 30" N., Long. 83° 13' W.
25	635	78	40 $\frac{1}{2}$	" " Lat. 23° 4' N., Long. 83° 12' 30" W.
26	110	72	58 $\frac{1}{2}$	Lat. 24° 37 $\frac{1}{2}$ ' N., Long. 83° 36' W.
27	392	73	44 $\frac{1}{2}$	Lat. 24° 30' N., Long. 83° 49' W.
28	863	75	39 $\frac{1}{2}$	Lat. 24° 34' N., Long. 84° 0' W.
29	955		39 $\frac{1}{2}$	Lat. 24° 36' N., Long. 84° 5' W.
30	968		39 $\frac{1}{2}$	Lat. 24° 33' N., Long. 84° 34' W.

Stat.	Fms.	Temperature.		Locality.
		Surface.	Bottom.	
31	1920		39½°	Lat. 24° 33' N., Long. 84° 23' W.
32	95			Lat. 23° 32' N., Long. 88° 5' W.
33	1568- 1400	72½°	40½	Lat. 24° 1' N., Long. 88° 58' W.
34	600 400	81	(In 600 fms.) 40½	Lat. 23° 52' N., Long. 88° 56' W.
35	804	78	40½	Lat. 23° 52' N., Long. 88° 58' W.
36	84	74	60	Lat. 23° 13' N., Long. 89° 16' W.
37	35			N. W. end of Alacran Reef.
38	20			Yucatan Bank, Lat. 23° 10' N., Long. 88° 35' W.
39	14			Sixteen miles N. of Jolbos Islands.
40	1323	77	40	Lat. 23° 26' N., Long. 84° 2' W.
41	860	73	39½	Lat. 23° 42' N., Long. 83° 13' W.
42	620		39¾	Lat. 23° 53' N., Long. 83° 4' 30" W.
43	339		45	Lat. 24° 8' N., Long. 82° 51' W.
44	539	74½	39½	Lat. 25° 33' N., Long. 84° 35' W.
45	101	75	61¾	Lat. 25° 33' N., Long. 84° 21' W.
46	888		39½	Lat. 25° 43' N., Long. 84° 47' 30" W.
47	321	74½	46¾	Lat. 28° 42' N., Long. 88° 40' W.
48	533	66	41¾	Lat. 28° 47' 30" N., Long. 88° 41' 30" W.
49	118			Lat. 28° 51' 30" N., Long. 89° 1' 30" W.

Stations 50 to 79 were occupied by Lieut.-Commander C. D. Sigbee while in search of *Pentacrinus*.

Stat.	Fms.	Locality.	
50	119	Lat. 26° 31' N., Long. 85° 53' W.	
51	243-450	Off Havana, Lat. 22° 11' N., Long. 82° 21' W.	
52	158	" "	Lat. 22° 9' N., Long. 82° 23' W.
53	242	" "	
54	175	" "	
55	242	" "	Lat. 22° 9' N., Long. 82° 21' W.
56	175	" "	Lat. 22° 9' N., Long. 82° 21' 30" W.
57	177	" "	Lat. 22° 9' 15" N., Long. 82° 21' W.
58	242	" "	Lat. 22° 9' 30" N., Long. 82° 11' 30" W.
59	158	" "	
60	480	" "	
61	243	" "	Lat. 22° 9' N., Long. 82° 1' W.
62	80	" "	
63	177	" "	
64	122-240	" "	
65	127	" "	
66	80-100	" "	

Stat.	Fms.	Locality.
67	128-240	Off Havana.
68	243-458	" "
69	100	" "
70	111	Off Sand Key.
71	458	Off Havana.
72	50	Off Sand Key.
73	220	Lat. 23° 25' N., Long. 83° 11' W.
74	287	Lat. 23° 25' N., Long. 83° 11' W.
75	292	Off Havana.
76	154	" "
77	240	" "
78	129	" "
79	175	" "

During the season of 1878-79 the dredging operations, from December to March, were in charge of Alexander Agassiz, and the following stations were occupied by the U. S. Coast Survey steamer "Blake," Commander J. R. Bartlett, U. S. N. The cruise extended from Key West to Havana, from Havana to Jamaica through the Old Bahama Channel and Windward Passage, from Jamaica to St. Thomas along the south coast of Hayti and Porto Rico. From St. Thomas the "Blake" visited Santa Cruz, Saba Bank, Montserrat, St. Kitts, Guadeloupe, Dominica, Martinique, St. Lucia, St. Vincent, the Grenadines, Grenada, and extended the dredgings south as far as the 100-fathom line off Trinidad, returned to St. Vincent, and finished the dredging operations at Barbados.

1878-79.

Stat.	Fms.	Temperature.		Locality.	Nature of Bottom.
		Surface.	Bottom.		
100	250 400			Off Morro Light.	
101	175 250			" "	
102	128½	78½°	69°	Caya Cruz to Lobos Light.	White coral sand.
103	438	79	49½	Old Bahama Channel.	
104	500	76½	45¾	" "	
105	452	77¾	48¾	" "	Wh. coral sand, gritty.
106	269½			" "	" " fine.
107	428			" "	
108	994	78	39	Off Nuevitas.	Sticky yellow gray ooze, very fine, & chalk rock.
109	1554	76	38¾	Off Cayo de Moa.	Soft gray glob. ooze.
110	1205	78	38¾	Off Cape Maysi.	Greenish black ooze.

Stat.	Fms.	Temperature.		Locality.	Nature of Bottom.
		Surface.	Bottom.		
111	1200	80°	39½°	Lat. 19° 7' N., Long. 74° 52' W.	Soft gray glob. ooze.
112	1050	82	39½	W. of Navassa Bank.	Brown mud.
113	634	82	43	Off E. end of Jamaica.	"
114	459			Lat. 17° 54' N., Long. 76° 42' W.	"
115	228			Lat. 17° 55' N., Long. 76° 41' 20" W.	Dk. br. mud, very
116	150			Near former.	[soft.
117	874	82½	40	Lat. 17° 47' 20" N., Long. 67° 3' 20" W.	Gray gritty ooze.
118	238			Lat. 18° 12' N., Long. 64° 55' W., between St. Thomas and Santa Cruz.	
119	1105	80½	39	Same line.	Grayish glob. ooze.
120	1952	80¾	38¾	" "	Grayish br. glob. oz.
121	2393	80	39½	" "	Gray glob. ooze.
122	2412	77½	38¾	" " Lat. 17° 52' 15" N., Long. 64° 54' 50" W.	" "
123	1450	80½	38¾	Lat. 17° 49' 15" N, Long. 64° 53' 30" W.	Gray ooze and white coral sand, mixed.
124	580	81	42¾	Off Santa Cruz.	F. wh. cor. and sil. s.
125	300			Near Ham's Bluff.	
126	226	79	50½	Off Santa Cruz.	Gray sand.
127	38	80¾	76¾	" "	Sand, blk. sp. & br. shs.
128	180	81	60¼	Off Frederickstadt, Santa Cruz.	Gray ooze, sand.
129	314	85	48½	" " " "	Blue gray ooze, soft.
130	451	84	44½	" " " "	Soft gray ooze.
131	{ 18 580	79 81	77 42¾	Off Santa Cruz, Ham's Bluff.	Coarse coral s. & shs.
132	115	77	65	" " Frederickstadt.	Rock and broken shs.
133	42			" " "	Rock and broken shs.
134	248	81	54½	" " Frederickstadt.	Coarse s. and br. shs.
135	450	81	42½	" " " "	Sand and gray ooze.
136	508	80	42½	" " " "	Very soft gray ooze.
137	625	79½	41¼	" " " "	Fine gray ooze.
138	2376	76½	38½	" " "	Very fine light br. oz.
139	218	78½	51	" " Mt. Eagle.	Fine sand & coarse gr.
140	1097	80	38½	Off Virgin Gorda.	
141	861	78½	40¼	" " "	Br. shells and oz.
142	27	78½	77¾	Flannegan Passage.	Sand and br. shells.
143	150	79	63¼	Off Saba Bank.	
144	21			On " "	
145	270	79½	51	Off St. Kitts.	Fine sand, br. shells.
146	245	79½	52	" " "	Very fine gr. sand, bl. spk., ooze.

Stat.	Fms.	Temperature.		Locality.	Nature of Bottom.
		Surface.	Bottom.		
147	250	79 $\frac{1}{2}$ °	52 $\frac{1}{2}$ °	Off St. Kitts.	Fine sand, blk. spk.
148	208	79 $\frac{1}{2}$	55 $\frac{1}{4}$	" "	" "
149	60 150	79	76	" "	Fine ooze and lava spk.
150	373 $\frac{1}{2}$	81 $\frac{1}{2}$	45	Between St. Kitts and Nevis.	Ooze and coarse fragments of pumice.
151	356			Off Nevis.	
152	122	79 $\frac{1}{2}$	67 $\frac{1}{2}$	Off St. Kitts.	
153	303	79 $\frac{1}{2}$	48 $\frac{3}{4}$	Off Montserrat.	Lava sand, blk. spks., brk. sh.
154	298	80	49 $\frac{1}{2}$	"	Lava sand.
155	88	80	69	"	
156	88	80	69	"	
157	120			"	
158	148			"	Stony bottom.
159	196	80 $\frac{1}{2}$	53 $\frac{3}{4}$	Off Guadeloupe.	Rocky bottom, lava chips.
160	393	80 $\frac{1}{2}$	43 $\frac{1}{2}$	"	Lava sand.
161	583	81 $\frac{1}{2}$	41	"	"
162	734	81	40	"	
163	{ 769	80	39 $\frac{3}{4}$	"	Fine lava sand.
	{ 878	"	"		Came up empty.
164	150	80		"	Hard bottom.
165	277	80	48	"	Fine soft gray ooze, bl. sp.
166	150	80	59 $\frac{3}{4}$	"	
167	175	80	55	"	Sand bl. spks. & br. shs.
168				"	Lost the trawl.
169	101	79 $\frac{1}{2}$	67	"	
170	309	80	46 $\frac{1}{2}$	"	Lava sand and little oz.
171	183	80	55 $\frac{1}{2}$	"	
172	{ 62	80	74 $\frac{1}{2}$	"	
	{ 100				
	{ 150				
	{ 300				
173	734	81	40	"	Fine grayish-br. ooze.
174	878	80	39 $\frac{3}{4}$	"	
175	611	80	40 $\frac{1}{2}$	Off Dominica.	Fine sticky br. ooze.
176	391	80	43 $\frac{1}{2}$	"	D. br. o. & s., brk. shs.
177	118	80	65	"	Fine sand & brk. shs.
178	130	80	61 $\frac{1}{2}$	"	Fine gr. s. with bl. sp.
179	824	79 $\frac{1}{2}$	40	"	Fine br. ooze & sand.
180	982	80 $\frac{1}{2}$	39 $\frac{3}{4}$	"	Fine brown ooze.
181	118	80	65	"	
182	1131	81	39 $\frac{1}{2}$	"	Fine br. ooze & sand.
183	252	79	49 $\frac{1}{2}$	"	Fine soft d. br. m.
184	94	79	69 $\frac{1}{2}$	"	Fine sand, dark brown mud.

Stat.	Fms.	Temperature.		Locality.	Nature of Bottom.
		Surface.	Bottom.		
185	333	80°	44°	Off Dominica.	Fine sand, dark brown mud.
186	98	80	66	" "	Fine sand, br. mud, and shells.
187	411	79½	43	" "	Fine sand, mud.
188	372	80	43	" "	Fine sand, black mud.
189	{ 84 120	79	69½	" "	" "
190	542	79½	42	" "	Coarse sand, br. sh. fgts., bl. m.
191	{ 108 250	79	64	" "	Fine sand, dark brown mud.
192	138	75	63¾	" "	
193	169	79½	51	Off Martinique.	Fine sand, dark mud, & shells.
194	442	80	41½	" "	Fine sand, ooze.
195	502½	80	41	" "	Fine gray sand, and ooze.
196	1030	80	39	" "	" " "
197	1224	80	39	" "	Light brown ooze.
198	136	79½	52½	" "	Rocky bottom.
199	136	79½	52½	" "	Rocky bottom.
200	472	80	41½	" "	Hard bot., very little dk. br. s.
201	565	80	40½	" "	Fine dark gray ooze.
202	210	78	48½	" "	Coarse sand and broken shells.
203	96	79	61	" "	Coarse sand and broken shells.
204	476		42½	" "	Fine sand, broken shells.
205	334	80	45½	" "	Fine sand and broken shells.
206	170	79	49	" "	Fine s., yell. gr., very sticky.
207	826	80	39¾	" "	Fine sand, brk. sh., ooze.
208	213	80	50½	" "	Hard bottom.
209	189	80	49¾	" "	" "
210	191			" "	Rough bottom.
211	357			" "	Fine yellow sand and brk. sh.
212	317	80	45½	" "	Fine gray sand and ooze.
213	357			" "	
214	892	79½	39½	" "	Sand and ooze.
215	226	79	51	Off St. Lucia.	Coarse sand and brk. shells.
216	154	79½	54½	" "	Hard bottom, fine sand.
217	398	80	43½	" "	
218	164	80	56	" "	
219	151	79	57	" "	
220	116	79	58½	" "	Rocky bottom.
221	423	80	42¾	" "	Gray ooze.
222	422	80	42½	" "	
223	146	79	56	Off St. Vincent.	Fine black sand.
224	114		57	" "	Rocky bottom, coral.
225	458	79½	41½	" "	Fine sand.

Stat.	Fms.	Temperature.		Locality.	Nature of Bottom.
		Surface.	Bottom.		
226	424	79 $\frac{1}{4}$ °	42 $\frac{1}{2}$ °	Off St. Vincent.	Fine sand, black sp., and ooze.
227	573	80	40 $\frac{1}{2}$	" "	Fine sand, gray ooze.
228	785	81	39 $\frac{1}{2}$	" "	Very fine gray sand and ooze.
229	1004	79 $\frac{1}{4}$	39 $\frac{1}{2}$	" "	" " "
230	464	81	41 $\frac{1}{2}$	" "	
231	95	80	61 $\frac{1}{2}$	" "	Coarse sand and rock.
232	88	80	62	" "	
233	174	80	49 $\frac{1}{2}$	" "	Rocky bottom.
234	306	80 $\frac{1}{2}$	47	Off Bequia.	Very rough, fine gray sand.
235	1507	79	39	" "	Light brown ooze.
236	1591	79	39	" "	Fine gray ooze.
237	1290		38 $\frac{1}{2}$	Off Grenadines.	V. f. sticky oz., brownish gray.
238	127	79 $\frac{1}{2}$	56	" "	Fine coral sand.
239	338	80	45 $\frac{1}{2}$	" "	Fine sand and ooze.
240	164	79 $\frac{3}{4}$	52 $\frac{3}{4}$	" "	Coral and broken shells.
241	163	80	53	" "	
242	842	80	39 $\frac{1}{2}$	" "	Fine sand and gray ooze.
243	171	79 $\frac{1}{2}$	51 $\frac{1}{2}$	" "	
244	792	72	39	Off Grenada.	Gray ooze.
245	1058	77	39	" "	Sticky fine br. blue ooze.
246	154	79 $\frac{3}{4}$	56	" "	Fine gray ooze.
247	170	80	53 $\frac{1}{2}$	" "	
248	161	80	53 $\frac{1}{2}$	" "	Fine gray ooze.
249	262	80	47	" "	Coarse yellow sand.
250	421	80 $\frac{1}{4}$	41 $\frac{1}{2}$	" "	Coral sand and ooze.
251	382	80 $\frac{1}{4}$	42	" "	Sand, little gray ooze.
252	306	80	44 $\frac{1}{2}$	" "	Gray ooze.
253	92	79 $\frac{1}{2}$	58 $\frac{1}{2}$	" "	Coral and broken shells.
254	164	78 $\frac{1}{2}$	57	" "	Coral and broken shells.
255	344	78	43 $\frac{1}{2}$	" "	Dark gray ooze.
256	370	80	44 $\frac{1}{2}$	" "	Fine sand and blue gr. ooze.
257	553	80	40 $\frac{1}{2}$	" "	
258	159	80	53 $\frac{1}{2}$	" "	
259	159	79 $\frac{1}{2}$	53 $\frac{1}{2}$	" "	
260	291	79 $\frac{1}{2}$	47	" "	Fine gray ooze.
261	340			" "	
262	92	80	62	" "	Fine sand.
263	159	80	53 $\frac{1}{2}$	" "	
264	416	80	42 $\frac{1}{2}$	" "	Gray ooze.
265	576	79 $\frac{1}{2}$	39 $\frac{3}{4}$	" "	
266	461	80 $\frac{1}{2}$	41 $\frac{1}{2}$	" "	
267	626	81	39 $\frac{1}{2}$	" "	Light brown and gray ooze.
268	955	80	39 $\frac{1}{2}$	" "	Gray ooze, rocky bottom.

Stat.	Fms.	Temperature.		Locality.	Nature of Bottom.
		Surface.	Bottom.		
269	124	80°	57½°	Off St. Vincent.	
270	75	80½	66	" "	
271	458	79½	41½	Off Bequia.	Fine sand.
272	76	79	64¾	Off Barbados.	Coarse sand & shells, hard bot.
273	103	79½	59½	" "	Coral & broken shells, yellow.
274	209	79½	53½	" "	Fine sand and ooze.
275	218	80	52½	" "	Fine sand, brown specks.
276	94	79½	61	" "	
277	106	80	58	" "	Hard rocky bottom.
278	69	78	68	" "	Coral bottom.
279	118	79¾	58½	" "	Very rough, very rocky bot.
280	221	80	50½	" "	Glob. sand.
281	288	80	46½	" "	Glob. ooze and broken shells.
282	154	81	56	" "	Coral sand and broken shells.
283	237	80	49	" "	Hard bottom.
284	347	80	44½	" "	Fine s. glob. ooze.
285	13- 40			" "	
286	7- 45			" "	
287	7½- 50			" "	Coral sand and broken shells.
288	399	80	44½	" "	Hard bottom.
289	713	80½	40	" "	
290	73	80	70¾	" "	Coarse coral s., broken shells.
291	200	79¾	49¾	" "	Flat calc. stones.
292	56	80	74½	" "	Coral sand and broken shells.
293	82	80	64½	" "	" " "
294	137	80½	54½	" "	Hard bottom.
295	180	80	50¾	" "	" "
296	84	78	61½	" "	" "
297	123	80¼	56½	" "	Calc. stones.
298	120	80¼	61	" "	Broken shells and coral.
299	140	80½	56½	" "	Coral and corallines.
300	82	80½	60	" "	



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