RAREBK
VK
982
.S6
B3
1861
Chart G

HUTCHINSON'S ISLANDS

MORGAN'S ISLAND

ST. HELENA ISLAND

HUNTING ISLAND

FRIPP'S ISLAND

BIG BAY ISLAND

EDISTO ISLANDS

OCEAN

Morgan River

Harbor River

Fripp Inlet

Big Bay Creek

Light Ship

Statute Miles

Nautical Miles

U.S.COAST SURVEY

A.D.BACHE Superintendent

ST.HELENA SOUND

SOUTH CAROLINA.

Triangulation by C.P.BOLLES and C.O.HOUTELLE Assists. C. S.

Topography by JOHN SEIB, Asst.

Hydrography by the Party

under the command of Lieut. J.N.MAFFITT, U.S.N.

Scale 1/80000.

1857.

NOTE.

The soundings are expressed in feet in Black, or within the dotted lines beyond them in Fathoms and show the depth at Mean low water the plane of reference.
The dotted lines beyond low water mark represent the bottom within the respective depths of 6, 12, and 18 feet, thus ..... for 6 feet ..... for 12 feet ..... for 18 feet.
The characteristic soundings only are given on the map, they are selected from the numerous soundings taken in the survey so as to represent the figure of the bottom.

Latitude of Hunting Island Station a.	32°24'34"6
Longitude of ..... do ..... west from Greenwich Obsy. in arc.	80°24'39"2
Longitude of ..... do ..... do ..... in time.	5h 21m 38s 6
Variation of Magnetic Needle at Light Vessel 1857	2° 58' W.
The Triangulation was executed in	1856 & 7.
The Topography do in	- -
The Hydrography do in	- -

Tides.

Corrected Establishment	VIIh VIIIm
Rise of Highest Tide observed, above the plane of reference	8.0 ft.
Fall of Lowest Tide ..... below ..... do	2.5 -
Part of Mean Low Water of Spring Tides below do	0.7 -
Height of Mean Low Water of Neap Tides above do	0.8 -
Mean Rise & Fall of Tides	5.9 -
Mean do of Spring Tides	7.4 -
Mean do of Neap Tides	4.5 -
Mean Duration of Rise, } reckoning from the middle of one	6h 13m
Mean do of Fall, } stand to the middle of the next	6·12·
Mean do at stand	0·23·

Abbreviations used in the bottom of this Map.			
Materials in Capitals	Colors or Shades in small letters	Other qualities in small letters	
S. for Sand.	bk for Black	hrd for hard.	
Sh. - Shells	gy. - grey	fne. - fine	
M. - Mud.		brk. - broken	

Note. The principal materials and their qualities are represented by larger letters than the subsidiary.

Note. The courses and Bearings without the brackets are Magnetic, those within are True. Distances are in Nautical miles.

SPECIAL SAILING DIRECTIONS.

SOUTH EDISTO & St. HELENA SOUND

Bound into South Edisto

In four fathoms water bring Bay Pt. to bear NW¼W (N 45° 28' W.) and the Bluff Pt. of Otter Id. Wly (N. N. N. W. ½ W.) Cross the Bar upon this last course, and when Bay Pt. bears N. W¼N (N 33° 00' W.) stand in upon this bearing, when deepening into four fathoms steer N.W. (N 45° W.) until another safe pleasure berth in 3 ms water off Big Bay Creek.
There are at present no Buoys upon this Bar, and it is not prudent for a stranger to attempt it.

To enter St Helena by the E. Channel.

When in not less than four fathoms, bring the North point of Hunting Id. and the Ls. House to bear W.¾ S.W. this course made good, will carry the Bar Buoys both of which must be left 40 yards on the starboard hands.
When up with the Ls. Boat, steer NW. & N. (N 39° 30' W.) 2¾ nautical miles, or until the North point of Hunting Id. bears N.W. by S. ¾ S. (S 56° W.) when, if bound into the Ashepoo River steer NW. ¼ W. (N 45° 30' W.) for about two miles, when the Ls. Boat will enter the Ashepoo River steer NW. ¼ W. (N 45° 30' W.) for one & a half miles, and stand in for Morgan's River NW. ¼ N. (N 28° 15' W.) There is 5 fms in the East channel at mean low water

To enter St Helena Sound by the SE. Channel.

Bring the S.W. point of Big Bay Id. to bear NNW. ½ W. (N 40° W.) The east clump of woods on Morgan Id. and the Ls. Boat in range and bearing NW. by N. ½ W. (N 50° 30' W.) the North point of Hunting Id. bearing W. by S. ¾ S. (S 73° 30' W.) steer W. & N. (N 62° 30' W.) one mile & a half to the Buoy, on the bar which leave on the Port hand, and steer N.W. by W. ½ W. (N 56° 30' W.) for the Red Buoy, which leave 20 yards on the Starboard hand, and steer N.W. by N. (N 50° 30' W.) for the Light Vessel. When up with the Ls. Boat proceed as before directed. Ten feet can be carried through this channel at mean low water.

To enter St Helena Sound by the South Channel.

In 5 fathoms water bring the North point of Hunting Id. to bear N.W. by N. (N 50° W.) the N.E. point of Pinckney Id. W.N.W. (N 30° W.) The Ls. Boat NW. by N. (N 20° W.) when steer W. (N 60° W.) three and a quarter miles when the North point of Hunting Id. bears N.W. by N. (N 30° W.) steer N.W. by W. ½ W. (N 16° 30' W.) two miles, and when the Ls. Boat bears N. by E. ½ E. (N 8° 30' E.) and Hunting Id. point N.W. & N. (N 33° 30' W.) change the course to N.W. by N. (N 28° 30' W.) keep and a quarter under the lee of the Ls. Boat, and when Hunting Id. point bears W. by S. ½ S. (S 78° 30' W.) steer W. & N. (N 67° 30' W.) one mile & a half to the Buoy, on the bar which leave on the Port hand, and steer N.W. by W. ½ W. (N 56° 30' W.) for the Red Buoy, which leave 20 yards on the Starboard hand, and steer N.W. by N. (N 50° 30' W.) for the Light Vessel. When up with the Ls. Boat proceed as before directed. Ten feet can be carried through this channel at mean low water.

DANGERS.

The Breaks of St. Helena Bar extend 3 miles to sea ward. The land is low and difficult to distinguish. The sound is full of shoals and no stranger should attempt its navigation without a pilot. After the prevalence of a strong N.W. erly wind the bar is usually two and three feet less than the general average.

raphic Copy by H. Lindenkohl.