

49.



U. S. COAST AND GEODETIC SURVEY.

A. M. Thorne, Superintendent.

State: *California.*

DESCRIPTIVE REPORT.

Hydrographic Sheets No. *1780*
1781

LOCALITY:

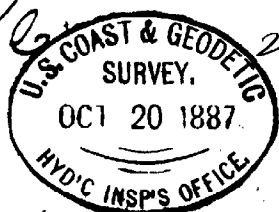
Suisun
Bay.

1886.

CHIEF OF PARTY:

Lt. David Peacock, U.S.N.

next 20



Address to which reply should be sent, Navy Yard, Mare Island, Cal.
U. S. Coast and Geodetic Survey Pt. Harster.

Navy Yard
October 13th 1887

Mr. F. W. Horn,
Superintendent - U. S. & G. Survey
Washington, D. C.

Sir:

In accordance to "Instructions and memoranda for descriptive reports to accompany original sheets" I submit - The following report
"A" of ^{1780 + 1781} ~~shuts No. 3 and No. 4.~~
Sheet No. 3.

Bull @	is called in the Sounding Books	Bull
Mare @	" " " " " "	Mare
Green @	" " " " " "	Green
Garnet @	" " " " " "	Garnet
Buckler @	" " " " " "	Buck. or Buckler.

In the main channel the least depth is 16 ft. the greatest 9 1/4 fathoms. The shallowest part of the channel is near, and to the eastward of the black spar buoy off Point Edith, and extends in a line with the second black spar one quarter (1/4) of

a mile. The direction of the channel changes at the second black spar buoy running eastward to a red spar buoy. This part of the channel is narrow but deep enough for the largest class of vessels. From Point Edith a channel runs inside of Seal Islands - but at the eastern end where it joins the main channel there is but 12 feet of water its greatest depth is 9 fms. A channel runs north from the red spar buoy, (north of the east end of Seal Islands), passing close by the Eastern extremity of Roe Island - there is but 9 feet of water at the end of Roe Island - still the mud is so soft that 12 ft can easily be carried through - after passing the point the channel runs to the eastward until it joins the main channel again - The greatest depth in this channel is $7\frac{1}{4}$ fathoms - A Pilot is required in passing through the Bay

These channels are permanent, except the one passing the east end of Roe Island which is rapidly filling up at that point.

at the east end of Roe Island the middle ground begins and extends to the eastward about two & one half miles, a few small beacons showing the limits of this mud flat would be of great service to sailing vessels.

The bottom except in the deeper part of the channel is of very soft mud.

There are no harbor improvements

any part of the bay is good holding ground. The only danger near the channel is a sand bar south of Roe Island - this is cleared by keeping on a line joining the second black spar buoy and the red spar buoy.

The current runs fair with channel

Very respectfully

D. Peacock.

Lieut. U. S. Navy, &

Asst. U. S. E. & G. S.

