



U. S. COAST AND GEODETIC SURVEY.

*J. M. Thorn*, Superintendent.

State: *Nash. Tenn.*

DESCRIPTIVE REPORT.

*Hydrographic Sheet No. 1884.*

LOCALITY:

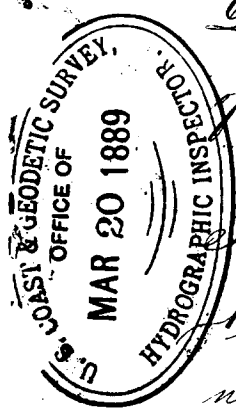
*Saratoga Passage.*

1888

CHIEF OF PARTY:

*Lieut. H. T. Mayo, U.S.N.*

Descriptive Report to accompany Hydrographic Sheet No. 1849  
of Saratoga Passage, N. I. by Lieut. W. D. Mayo, U. S. N.



This sheet embraces the Hydrography of Saratoga Passage, from the south end of Gamano Island to point next south of Snakeland Point, and Holmes Harbor.

The Passage is, generally speaking, very deep, ranging from 100 fathoms off south end of Gamano Island to from 30 to 40 fathoms at north end of sheet.

Holmes Harbor is also, generally deep, ranging from 30 fms. at entrance to 18 fms near the head of the Bay. The deepest water found was 101 fathoms between Sandy Point and south end of Gamano Island. The tide currents in Saratoga Passage are of considerable strength with few tide rips. The ebb tide flows to the southward.

Winds usually follow the passage, nearly always blowing either up or down the passage. The shores are generally bold, but, in places, small sand flats extend from  $\frac{1}{5}$  to  $\frac{1}{3}$  mile from High Water Mark.

The only important danger to navigation on this sheet is the shoal making out to N. W. from Wickenburg Id. A quarter of a mile of this is bare at extreme low water and the sound should be given a berth of  $\frac{1}{2}$  mile.

A sunken rock with 6 ft. on top was found just inside the three fathom line, 250 metres S. W. of Shackney Id. It is not dangerous to navigation, as vessels in clearing shoal, referred to, above must go clear of the rock.

There are no really good anchorages for large vessels in all weathers. With W by winds good holding ground and protection is found in Elgers Cove opposite East Point. With S by winds anchorage and protection can be found between East Point and Shackney Island.

Holmes Harbor has but one really good anchorage which is in Dog-fish Bay on west side of the Inlet.

This sheet includes no towns, and but few ranches are found. Steamers in passing through, on their trips between Seattle and Whatcom and other towns to the northward, afford means of communication.

Very respectfully

H. T. Mayo,

Lieut. U. S. N. Chief of Party.