

1955

1955  
1955  
1955  
1955

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Topographic*  
Field No. \_\_\_\_\_ Office No. *1955*

LOCALITY

State *Washington*  
General locality *Washington*  
Locality *Sound*

*1889*

*194*

CHIEF OF PARTY

*J. Gilbert*

LIBRARY & ARCHIVES

DATE \_\_\_\_\_

83  
STA  
1955

1955



U. S. COAST AND GEODETIC SURVEY.

*F. C. Mendenhall*, Superintendent.

State: *Washington.*

DESCRIPTIVE REPORT.

*Topographic Sheet No. 1955.*

LOCALITY:

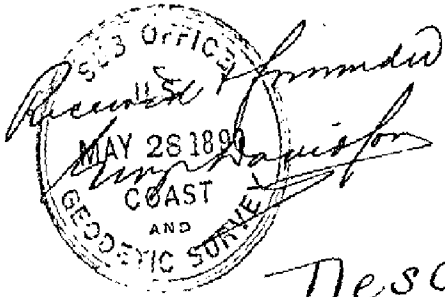
*Washington Sound.*

1889.

CHIEF OF PARTY:

*J. J. Gilbert.*

1955  
1955  
1955  
1955



*Descriptive Report*

*Sheet No 4*

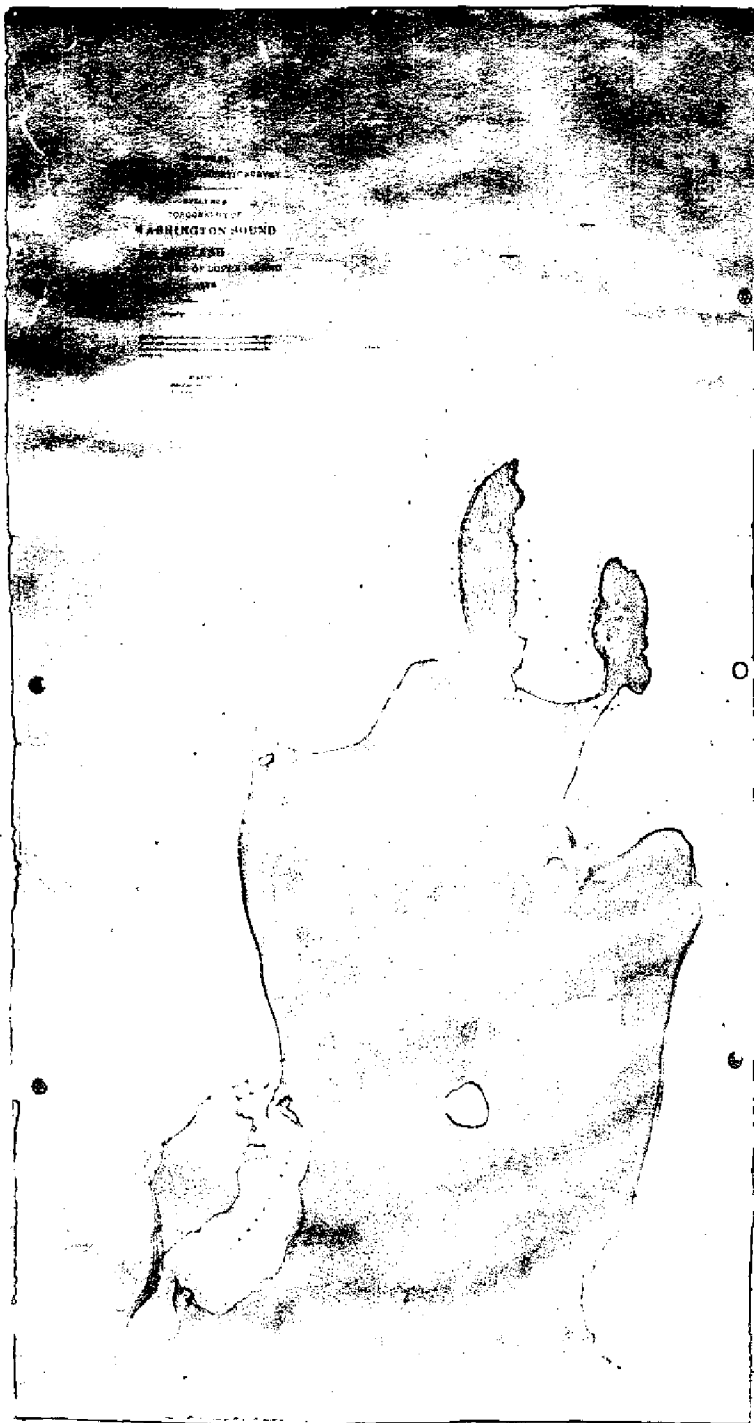
*Washington Sound, Wash*

*1889*

*J. J. Gilbert*

Descriptive Report  
Sheet No 4  
Washington Sound, Wash  
1889.

This sheet embraces the North end of Lopez Island



As originally intended, and projected it would have included parts of Orcas and Shaws Islands. Completing the shores of Upright Channel; but the meagerness of the allotment for this work in 1889, necessitated the closing of field work before its completion. It was therefore sent in as an entire sheet, and the lacking portions will appear upon subsequent sheets.

The North end of Loopy is generally low, and is nearly all good agricultural and fruit land, and it is more densely populated than any other portion of these islands. The clearings are numerous, not as a rule, very large, and by far the larger portion of the land is still covered with forests. The roads are numerous, and cut up the island so completely that the contours could be run with unusual accuracy. Upright Head and Humphry's Head are of solid sandstone, without beach, and the water is deep close to shore; - both points are reserved by the Government for military purposes.

Humphry's Head, - on the Shoal Bay side, is a very fine grained clear sandstone, and would make a convenient and excellent quarry for building stone, equal to Chukamit, with a better harbor and nearer to market. Except these heads, and a reef or two on Fisherman's Peninsula, there is no solid rock on this sheet. The beach in Loopy Sound is covered with large boulders, many erratic. Shoal Bay has a gravel beach, drift, gravel & boulders. Flat Point locally known as Sandy Point, is gravel - which becomes Cobble stone and boulder toward Fisherman's Bay.

From  $\Delta$  Kent to the entrance to Fisherman's Bay is...

a high broken bluff. - with broad cobblestone and boulder beach beneath. Near the center of the Island is a small shallow lake, in the rainy season its overflow is northward into the lagoon in Swifts Bay, in summer there is no overflow. - Nor is there any running stream on the sheet, except one small one into Fishermans Bay, near its entrance.

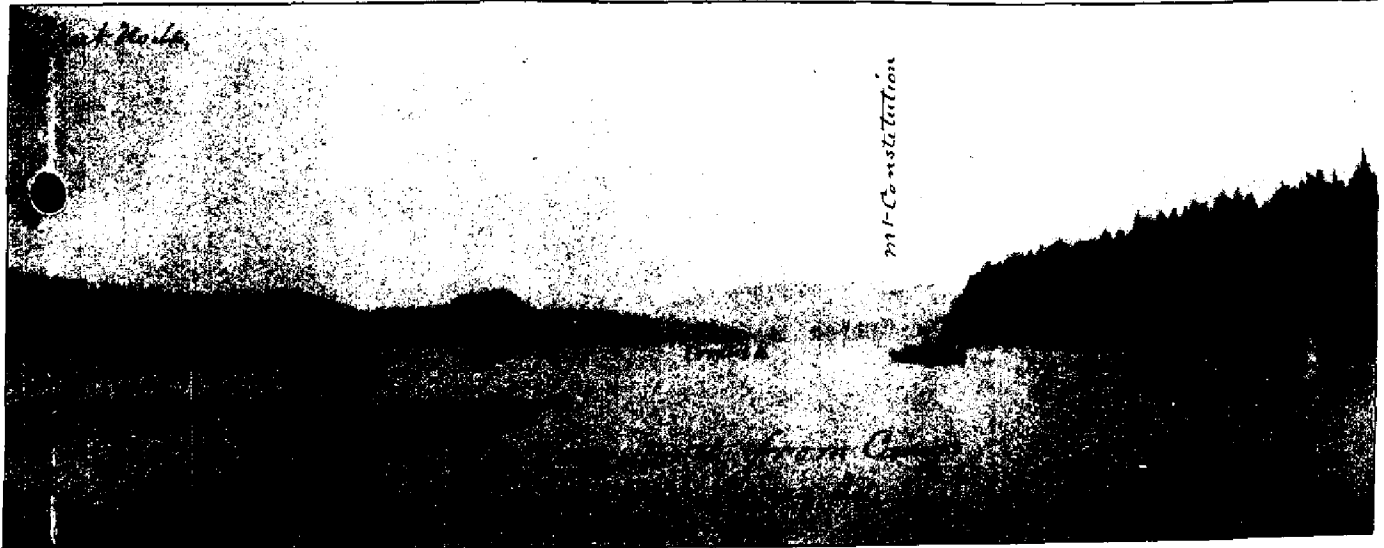
The dangers are, a small rock in deep water, off the highest part of the broken bluff, on west side, it is represented on the sheet, and is covered at high tide; and the reef off Swifts Bay - and nearly in line from Humphrys Head to Thatcher Pass.



The highest part of the reef is awash at extreme high tides. A short distance S.W. is a second reef always covered, or perhaps showing in one or two patches at extreme low tide. There is deep water all around, and between the reefs, which are well marked by keels in the season. The point is from instantaneous exposure, from steamer, with wide angle lens, - distant 200 metres, half tide.

There is no danger entering Swifts Bay except this reef, and a few rocks near Flower Island.

Swifts Bay is shallow near the shore, it has good anchorage, and is sheltered from all ordinary winds.



Shoal Bay is a perfect harbor, sheltered from all winds except a Norther which is very unusual, without danger, deep and commodious.

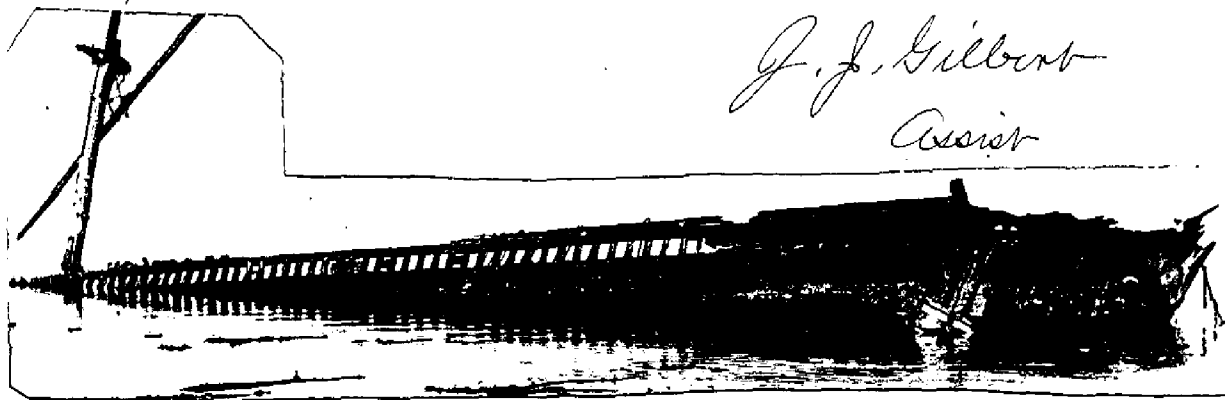
The water is very deep along Humpshoop Head, and nearly half way across; - the west half of the Bay is more shallow, the average depth being about four fathoms. - The print, taken from our Camp, at the head of Shoal Bay, was taken after Sunset, and lacks distinctness, but gives the points in outline.

On the beach in Lopez Sound, near  $\Delta$  Beach I gathered a quantity of the ribbon grass. Thrown up

up in a storm, which was very rich in diatoms - principally *Arachnoidiscus* and *Isthmusia*, but abounding in other smaller specimens, - They are quite common in these waters, especially in Burroughs Bay and East Sound,

Fishermans Bay is shallow, about 4 fms in the middle and gradually shoaling towards the head which is very shallow, and a large part runs bars. The entrance is narrow, and shallow outside of the spit. By keeping in the channel, which extends half a mile or more along the shore north of the entrance, six or eight feet can be carried in at low tide. The fishermen resort here to catch bait which they take in a Seine, and have thus given a name to the Bay. The post office for all the north end of the island is at the entrance to Fishermans Bay.

Off Fishermans Peninsula are extensive kelp patches, but I failed to discover any reefs among them.



J. J. Gilbert  
 Assisr