

U. S. COAST AND GEODETIC SURVEY.

*S. M. Thorn*, Superintendent.

State: *Wash. Ter.*

DESCRIPTIVE REPORT.

*Topographic* Sheet No. *1797.*

LOCALITY:

*Rosario Strait;  
Lummi + Eliza  
Islands and Point  
Frances.*

*1887.*

CHIEF OF PARTY:

*J. J. Gilbert.*

U.S. COAST AND GEODETIC SURVEY  
 SUPERINTENDENT

Descriptive Report  
 Sheet No. 8. Lemmi and Eliza Islands & Point Frances  
 Wash. Terr.

This sheet embraces both shores of Lemmi Id. as far north as Village Point. on the west side, and Lemmi N.E. on the east, also all of Eliza Id. Pt-Frances, and the East Shore of Hales Passage, also Viti. Lemmi and Eliza Rocks.

The shores of Lemmi Id. are rock, as far north as a Rock Pile in Hales Passage, and on the west side to a point just abreast of Rock Pile. This southern end of the Island is one great hill or mountain of rock, a homogeneous rock, much of it talc, most of it contains some iron, it is very heavy, quite hard, and fractures easily when struck.

On the 41<sup>st</sup> parallel, on both shores of the Island the rocks show a slate formation, and the same crops out on the summit of the mountain, at an altitude of 1500 feet, about 1 1/2 miles further south.

Lemmi Mountain, which is well represented in the accompanying sketches, is precipitous on the S.W. face, too steep for ascent on that face, A conspicuous land mark is a rock slide just East of Lemmi Rocks.

The whole mountain is composed of cliffs, ridges

and knolls of rock, the surface covered everywhere with fragments of all sizes. It is covered with fir timber wherever the roots can find soil.

Northward from the Rock Rise the shores are bluff, clay + gravel, until the first point north of the Harbor is reached, when they are sandstone, nearly to the limit of the sheet. - On the S.W. face they are also clay + gravel, except one rocky point at S.E. of the anchorage under Village Point. This portion of the Island is low. Compared with the South part, it is rolling, and covered with fir forest, which has been perceptibly thinned by logging.

There are half a dozen settlers on the Island.

Eliga Island is rocky at extreme North Point, and around the South end, and at Girdled Tree on the West Point. - The balance of the island is clay and gravel.

It has no fresh water; and belongs to Hon Eugene Canfield, who has there a chicken ranch.

Point Francis is Crescent shaped, with a high clay bluff around the outer bend of the Crescent.

It is part of the Lummi Indian reservation, and several small Indian clearings are upon it. A long bare gravel spit marks off from the N. Point of the Island. I can learn of no other name for

the Island than Pt Frances.

At half tide Pt Frances is connected with the Island north of it, the two spits at high tide being only about 50 metres apart. Of this island, formed by the waters of Summi Bay, Hals Passay, Bellingham Bay, and the two mouths of the Nooksack. No one seems to know any name: Most of it is included in the Summi Indian reservation. It is mostly rather low land, clay, sand, and gravel, from which most of the fir timber has been removed by forest fires, while a dense growth of alder maple &c. has sprung up. For the purpose of distinguishing this Island, I shall, in these reports, designate it as Indian Island.

Summi Rocks, are illustrated in Sketch No. 1. - These rocks are bars, and so arranged that there is a snug anchorage and harbor, for small vessels opening to the North; there are submerged rocks around the south part, but quite near the principal rocks; at high tide there are three principal rocks, but all are connected at low water.

Viti Rocks rise some 50 ft. there is one principal rock, and at low tide two other patches of rock to S. - the nearer one shows above tide.

Eliza Rock is a low islet, nearly round. Some forty meters across, - it is only eight to ten feet above tides.

The only running water on these islands is on Lemmi Id. - There is a nice stream, a little cascade, in Reils Harbor, during the rainy season, in summer & fall it is only a trickling stream.

There is a good stream, not large in the bright, at parallel 41', on the E. side of Lemmi. - The other streams live after the dry weather commences.

Dangers. - There is an extensive reef just N.W. from  $\Delta$  Reef Pt. it is only about 80 m. from the shore, but being off a point, would be liable to pick up a steamer following close along shore. It is awash at half tide, and unlike most reefs it is not marked by kelp. The water outside is bold.

Off  $\Delta$  Shallow the shoal makes out a long distance, and a vessel unacquainted with it, would be liable to run aground at high or half tide. - It is shoal all around the S. face of Pt Francis, as far as to  $\Delta$  Francis.

There is a reef marked with kelp, off the

Entrance to Reils Harbor, liable to pick up a vessel entering the harbor from the north.

It is shoal off the N. End of Eliza Id. to N<sup>o</sup> Anchorage. There is a good harbor and anchorage on the S.W. of Eliza Island, deep in the bight, mud bottom, steep shingle beach.

There is a small harbor and good anchorage between the Lummie Rocks. - Entering from the north.

Reils Harbor is thoroughly protected, with good anchorage, its Indian name is Hicks-pe-Slack-en

In the bight North of  $\Delta$  Hale, is protection and anchorage for small vessels, it is known as Smugglers Cove, and its Indian name is Ma-men-pe-Slack-en.

There is anchorage in the bight South of  $\Delta$  Rock Pile.

There is good anchorage, and protection from S. E. winds in the bight S. E. from  $\Delta$  Village Point.

The Indian name of the Island known as Pt. Francis is Skul-tick-sion.

The Indian name of Lummie Id. is Smeu-ma-uek.

The Indian name of the point where  $\Delta$  Witness is located is Tom-whick-seu.

Nine sketches accompany this report,

Sketch No. 1. represents Lummie Rocks, and is taken from

Lummi Id. looking West.

Sketch No. 2. Eubraes Rudovi, Eliza + Lummi Ids. and Mt. Constitution

Sketch No. 3 is the view up Hales Passage, taken from  $\Delta$  Hale.

Sketch No. 4 is from  $\Delta$  Ineti, looking S. E.

Sketch No. 5. is from  $\Delta$  Rock Pile, looking across the Passage

Sketch No. 6 is from  $\Delta$  Village Pt. looking S. E.

Sketch No. 7. is from the top of Lummi Rocks looking South:-  
Point of Rocks in foreground.

Sketch No. 8 is from near the North end of Eliza Id. looking S.W., - Point of Eliza Id. - (Gravel Spit) at left.

Sketch No. 9 is from the N. End of Eliza Island looking through Hales Passage: The bluff on Pt. Francis is well represented.

These sketches were made by my recorder, Mr. F. H. Gilbert; and are all remarkably faithful and accurate.

J. J. Gilbert  
Assist. Asst. Survey



LUMMI ROCK  
DISTANT 1/4 MILE



S.E. END OF LUMMI ISLAND  
Looking S.W. from line 1A





P. FRANCIS

LUMMI

ELIZA

CYPRESS

VENDOMI

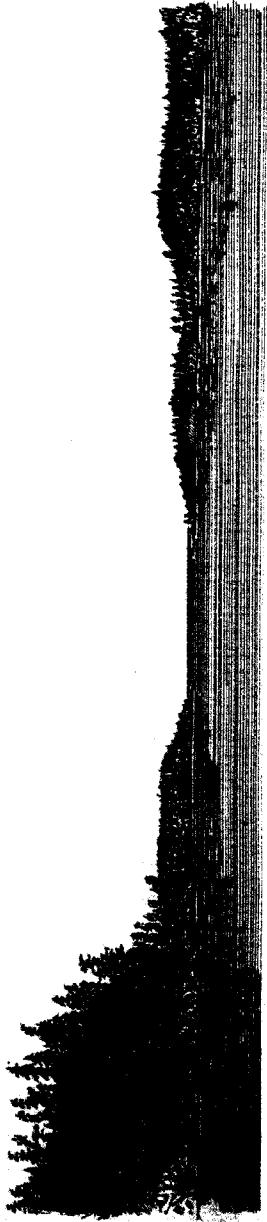
VIEW FROM CHUCKANUT BAY.



S.E. END OF LUMMI ISLAND

Looking from Eliza Is.

Sheet No. 8. No. 3



HALE'S PASSAGE FROM THE SE. ENTRANCE.



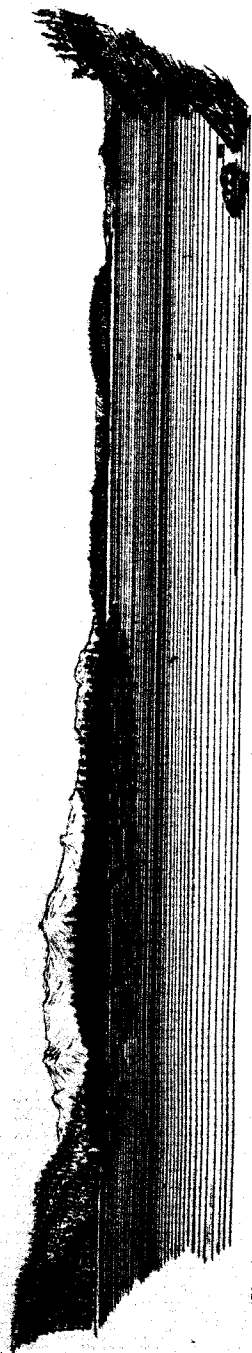
225.

SE. END OF LUMIMI ISLAND  
Looking towards the N.

Sheet No. 8. No. 8

Sheet No. 8. No. 4

225.



Chucknu to Mt.

Eliza Id.

Pt William

Harle

VIEW FROM S.E. END OF LUMMI. NORTH END OF ELIZA E. BY S. (COMPASS)

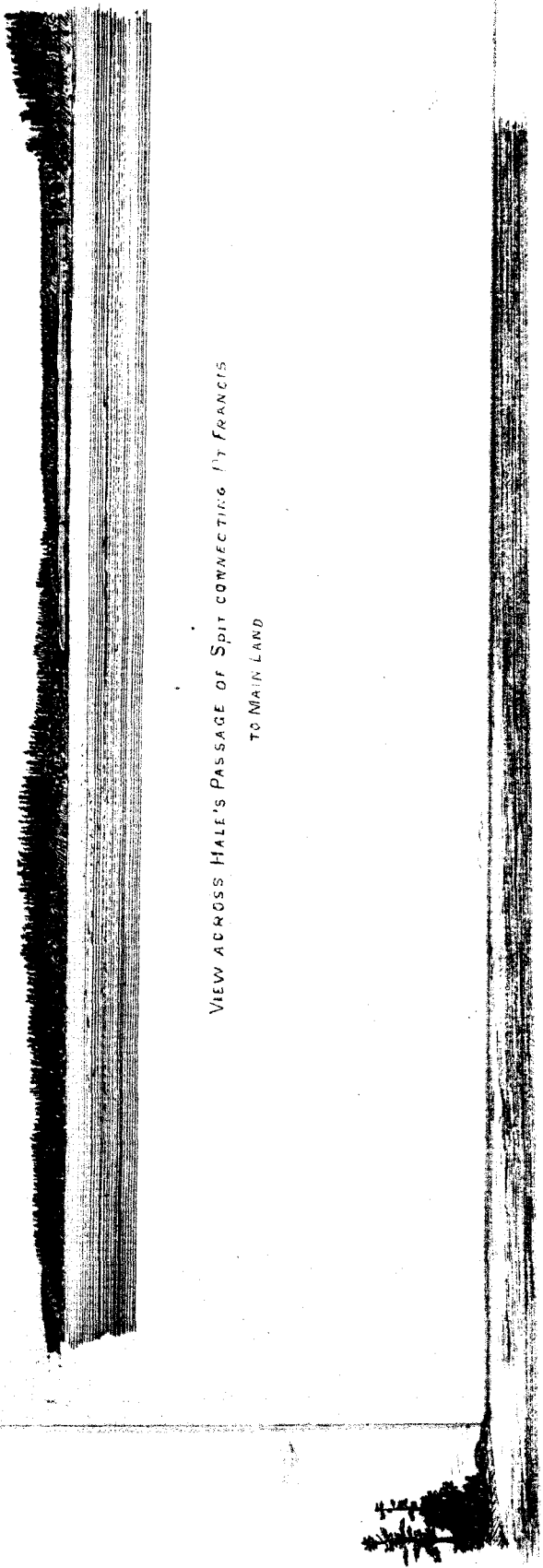


S.E. END OF LUMMI ISLAND

Looking from Eliza Id.

Sheet No. 8. No. 5

Sheet No. 8. No. 5



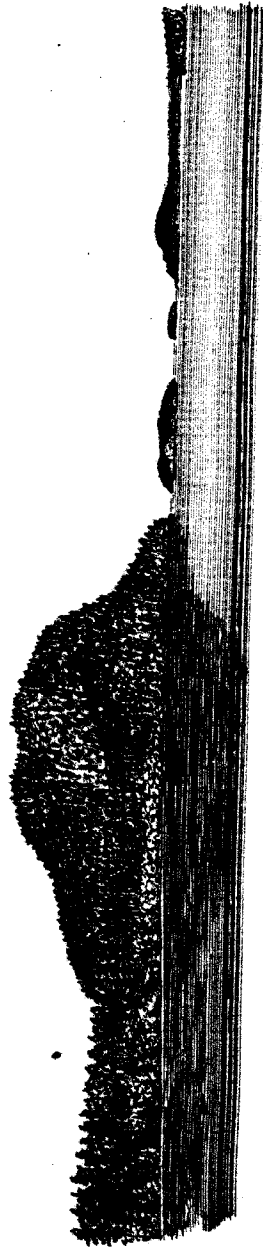
VIEW ACROSS HALE'S PASSAGE OF SPIT CONNECTING ST FRANCIS  
TO MAIN LAND

228.

S.E. END OF LUMMI ISLAND  
Looking south from the

Sheet No. 8. No. 8

Sheet No. 8. No. 6



Vendovik Jacki  
Lummi Pks GUESTS I

LUMMI MT. AS SEEN FROM THE NW SHORE OF THE ISLAND.



SE. END OF LUMMI ISLAND  
Looking S. on E. side of it

Sheet No. 8. No. 8



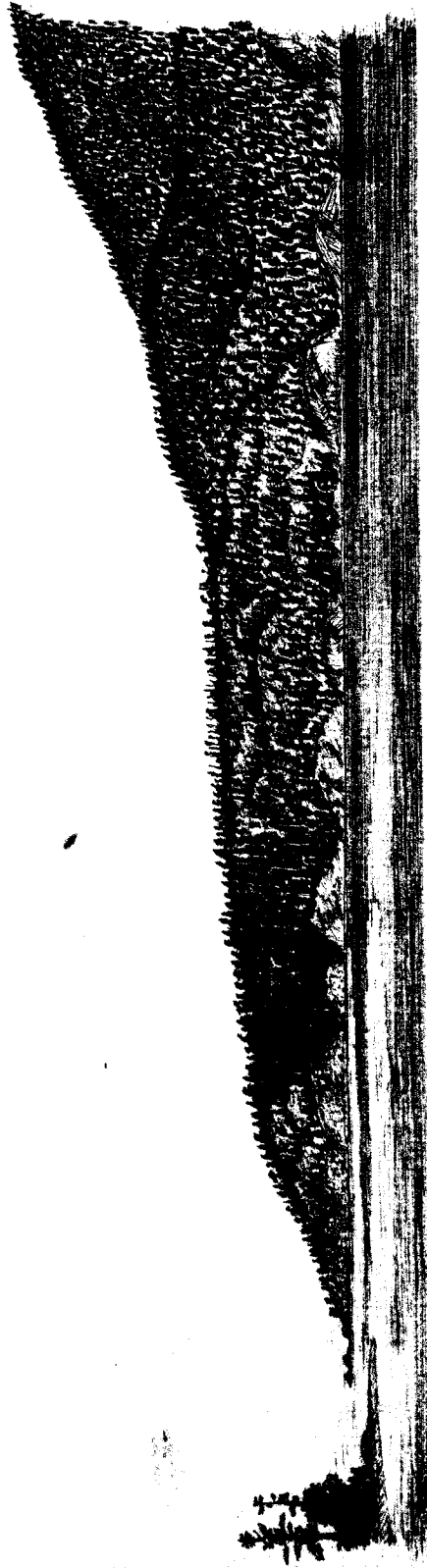
Viki Res. Vendour Id      Jami      Mt Eric      Sinclair Is.      Cypress Id      Eagle Cliff

VIEW FROM LUMMI ROCK      EAST END OF SINCLAIR S.S.E.



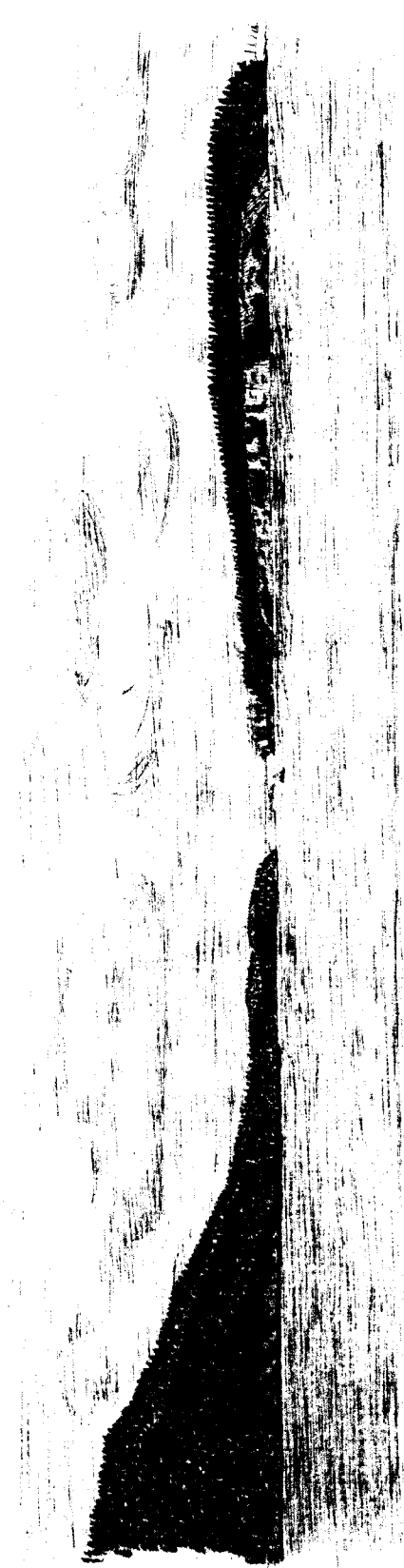
S.E. END OF LUMMI ISLAND

Looking N. by E. 1/2 S. 1/2 W.



S.E. END OF LUMMI ISLAND  
Looking from E. Pass. Id.

Sheet No. 8. 710, 8



LUMMI I.

PT. FRANCES

HALE'S PASSAGE FROM ELIZA I. IN

Sheet No. 8. No. 9