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Diag. Cht. Nos. 9302 & 9370

Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

~~Hydrographic~~ } Sheet No. <sup>2388</sup>  
Hydrographic } ~~2389~~

State Alaska

LOCALITY

St. Michael Bay

St. Michael Water-Front and

Liebes Cove

1898-99

~~1898~~

CHIEF OF PARTY

J. F. Pratt, Assistant

2388  
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U. S. COAST AND GEODETIC SURVEY.

*Henry S. Ritchell*, Superintendent.

State: *Alaska.*

*Statistics and*  
DESCRIPTIVE REPORT.

Published (Book <sup>Sheet No.</sup> 9375  
(Hydro. and Topog.))

LOCALITY:

*St. Michael Bay*

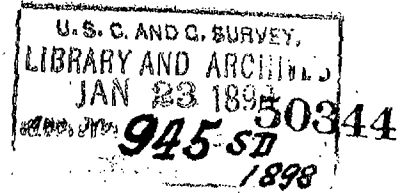
1898.

CHIEF OF PARTY:

*J. F. Pratt, Assistant.*

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Published Chart No. 9575.

of

St. Michael Bay, Alaska.

Scale, 1/20 000

Statistics and Descriptive Report.

1898.

J. F. Pratt, Assistant.

Chief of party.

(Title and four pages)

Statistics of Hydrography, St. Michael Bay Chart No. 375.

Date	letter	number of				vessel.
		vol	angles positions	soundings	miles statute	
1898. Sept. 24.	blue q	5	8	165	2	Launch Alpha.

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Descriptive Report, Chart No. 9375,

St. Michael Bay

Alaska.

Survey on a scale of  $\frac{1}{5000}$  of St. Michael Water-front.

Due to the trouble that arose over the location of sites on the eastern shores of St. Michael Island, by the various Commercial Companies, I had made, for the Military Authorities there, a topographic and hydrographic survey, on a scale of one ~~10~~<sup>5</sup> thousand, of the water-front extending from the narrow point, opposite Whale Island, to the first long point opposite the first island south of the North American Trading and Transportation Co's. Post, and also a survey of the improvements on the cove opposite St. Michael.

As it will be some time before the foregoing detailed work can be inked, platted and traced, all that will sensibly change Chart No. 9375 has been reduced and plotted, in red, on the copy to which this report pertains, so that the new edition may go to press without further delay.

Topography:-

The topography on this chart is essentially correct. The large detailed work will not change it sensibly only in a few places.

Hydrography:-

The Hydrography, as published on the chart, is too much generalized, the character along the shores, outside of high

water mark, (which is almost invariably rocky) is very faulty.

The Sub Sketch:-

This sketch has been quite severely criticised, the reason being that it is oriented different from the rest of the chart and has no compass rose for laying off courses. In two instances, hurriedly in the night, the compass on the large scale portion, for which there is seldom use, was taken to lay a course out to sea, from St. Michael Anchorage, with nearly disastrous results.

Inspection will show that there is no convenient means of laying off a course from this portion of the chart. It is hardly needless to state that the average navigators implements are dividers and a parallel rule.

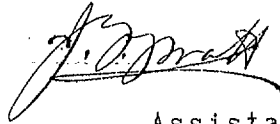
Recommendation:-

As all the shoreline from the northern portion of the Canal to Point Romanoff is erroneous "theoretical geography", I would recommend that this sub sketch be removed from this chart entirely and that a new separate chart be published, about 28 X 39 inches, on a scale of about  $1/120\ 000$ , covering from a little north of Egg Island to a little beyond the Aphoon Entrance and just taking in the hills and mountains plotted on the Hydrographic Sheet St. Michael to Aphoon Entrance, recently forwarded to the Office.

This proposed chart would then be valuable for two purposes.

(1) For making St. Michael Bay, after Stuart Island is well sighted and for laying a course from St. Michael Anchorage, clear of Stuart Island when going to sea. The foregoing covers the route of all seagoing vessels entering and clearing St. Michael.

(2) For coasting to and fro between St. Michael and the Aphoon Entrance, it being the route of all vessels plying on the Yukon River.



Assistant.



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U. S. COAST AND GEODETIC SURVEY.

*Henry S. Pritchett*, Superintendent.

State: *Alaska*

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DESCRIPTIVE REPORT.

*Tope & Hyde* Sheet No.

LOCALITY:

*Sketch of Libes Cove*

1899.

CHIEF OF PARTY:

*J. F. Pratt*

W.P. L.

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Description of  
Topographic and Hydrographic Sketch of  
Liebes' Cove, St Michael Alaska.  
Scale 1/10000.

This Cove has rocky shores with loose rocks scattered about over its bottom and should be entered very cautiously.

Its easterly shore is partially occupied by the Alaska Exploration Co. and its westerly shores by the Seattle Yukon Co..

There is an Excellent spring on the S.W. side of the Cove where light draft boats can obtain water.

Assistant, U.S.C. & G. Survey.  
Chief of party.