

U. & G. SURVEY  
L. & A.  
FEB 28 1916

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Diag. Cht. No. 8700 & 8859

Form 504  
 DEPARTMENT OF COMMERCE  
 U. S. COAST AND GEODETIC SURVEY

State: *Alaska*

11-5013

DESCRIPTIVE REPORT.

*Hydrographist* No. *3806*

LOCALITY:

*Shumagin Islands*  
*Nagai Islands*  
*East Coast*  
*Vicinity of East Bight*

1915

CHIEF OF PARTY:  
*H. C. Dewson*

3806

Department of Commerce.

U. S. Coast and Geodetic Survey.

E. Lester Jones, Superintendent.

Descriptive Report

to accompany

Hydrographic Sheet No. ⑧ 3806.

East Bight, Nagai Island,

Shumagin Islands, Alaska.

Surveyed in 1915.

Scale 1:20,000

By the party of the U. S. S. Patterson

H. C. Denson, Asst., Commanding.

Paul Herberger, Mate, in acharge of hydrographic Party.

Instructions from the Superintendent

Dated March 18, 1915.

I have the honor to submit the following report on hydrographic sheet No. 8 showing hydrography along the southeast coast of Nagai Island, east bight of Nagai Island and part of East Nagai Strait, surveyed by the party of the Steamer Patterson in 1915.

This sheet connects to the North with sheet No. 9, the southern limit is latitude 55- 03 and shows a complete development of a bay known as Pete Larssen Bay.

The scale is 1:20,000

Methods. Launch No. 47 was used for the work, sounding lines were spaced 8 to a mile in bays, in anchorages the lines were closer. Soundings in less than 10 fathoms were taken with the handlead, while deeper soundings were taken with the Cosmos machine with a registering sheave for measuring the wire out.

Paul Herberger, Mate was in charge of the party and R. J. Auld, Aid observed the left angle.

DangersThe Northern headland of East Nagai bay is lined with jagged rocks and pinnacles. There are several rocks awash and sunken rocks close in-shore( about 200 meters)

A reef extends from the hook towards the North and leaves only a narrow entrance(400 meters) to the northwest part of the bay. This reef may be easily avoided by favoring the Northern shore.

The coast from the south headland to Pete Larssen Bay is clear. The coast of Turner Island facing East Nagai Strait is very foul close in- and should be avoided.

Anchorage. Ships may find anchorages near the eastern shore of East bight, in about 14 or 15 fathoms of water. Smaller vessels may anchor in any of the smaller bays, especially behind the hook.

The northwestern arm shows too much water to be a good anchorage and when gales are blowing from the north the williwaws are very strong.

Pete Larssen Bay offers good anchorage in northernly and westernly weather, bottom sand. The small pier in the inner bay goes dry at low water.

Currents. Tidal currents are not very strong in the bay.

Report written by Paul Herberger, Mate.  
submitted by

*A. G. Swan,*

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

STATISTICS SHEET NO. 8

Date, 1916	Letter	Volume	Positions	Soundings	Miles, stat.	Vessels
Aug. 26	a	1	171	504	24.3	Launch 47
Sept. 1	b	1	82	156	12.0	"
" 3	c	1	93	268	10.7	"
" 7	d	2	204	523	29.0	"
" 9	e	2	73	142	13.4	"
" 14	f	2&3	183	320	27.5	"
" 18	g	3	73	95	13.3	"
" 25	h	3	94	118	17.0	"
" 27	j	3	46	100	8.5	"
" 29	k	3	23	45	3.5	"
Oct. 1	l	3&4	140	671	22.3	"
" 2	m	4	83	231	12.4	"
TOTAL			1265	3173	193.9	

SOUNDINGS IN FATHOMS AT MEAN L.L.W.

Reference: Automatic tide gauge at Mist Harbor, Nagai Island.

Plane of reference: 4.1 feet on gauge.

Lowest tide observed on Sept. 12---3.4 feet

Highest tide observed Sept. 22----12.6 feet

VEC  
Mar. 18, 1916

107  
H.C.

HYDROGRAPHIC SHEET 3806.

East Bight, Nagai Island, Shumagin Islands, Alaska, by  
Assistant H. C. Denson in 1915.

TIDES.

	Mist Harbor ft.
Mean lower low water, or plane of reference on staff	4.1
Lowest tide observed " "	1.3
Highest " " " "	12.7
Mean range of tide	5.1

DEPARTMENT OF COMMERCE

Myd 3806

The work on this sheet was protracted and plotted in the field and then inked and verified in the office.

The work of plotting was carefully done and the records kept in good shape.

J.B. Shklar.

3/19-1917

LIBRARY

Place with descriptive report  
of hydrographic sheet No. 3806

Drawing Section.

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