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Dist. Chart No. 8502-1

U. S. COAST AND GEODETIC SURVEY,
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MAR 27 1910
No.

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. N. Littmann
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Hyd. Sheet No. 3176

LOCALITY:

*Nushagak Bay -
Upper Part*

1909

CHIEF OF PARTY:

W. C. Stetson

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For general report, see #45 SX 1909 II acc. No. 64227

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DEPARTMENT OF COMMERCE AND LABOR

Coast and Geodetic Survey

O.H. Tittmann, Sup't.

Hydrographic Sheet No. 3176

(Field Sheet No. 6)

U.S. GOVERNMENT
PRINTING OFFICE
1910

Nushagak Bay, Upper Part

ALASKA

Steamer EXPLORER

Walter C. Dibrell, Assistant, Chief of Party

Begun Sept. 15, 1909

Completed.. " 16, 1909

Scale 1 - 20 000

Hydrography in charge of: A. R. Hunter, W. O.

Projection by S. W. Tay, Aid

Positions plotted by A. R. Hunter, W. O.

Soundings " " A. R. Hunter, W. O.

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Hydrographic Sheet # 6

OBSERVERS:

A. R. Hunter, W. O., in charge

S. W. Tay, Aid

LIBRARY AND ARCHIVES

MAR 27 1910

Acc. No.

RECORDER:

William Luker, Writer 2nd class

LEADSMAN:

Oscar Hanson, Quartermaster 2nd class

TIDE OBSERVERS:

Robert Marquart, Seaman

Tides observed at staff # 4, 1 3/4 miles below Dillingham.

DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC
SHEET NO. 6 (FIELD NO. 6), NUSHAGAK BAY, ALASKA, UPPER PART.
SCALE 1 - 20 000.

620
JUL 26 1913
RECEIVED

This is a small sheet showing the development of the channel along the western side of Nushagak Bay from a point 1 1/2 miles below Williams Island up to the upper canneries. The soundings cover an area about one mile in average width and five miles long. This is the only channel navigable at low water above Nushagak, the eastern part of the bay being shoal and largely bare at low water. The sheet joins #1 at the southern end and its northern end marks the upper limits of the surveys made in Nushagak Bay.

2. The sounding was done from the launch. The lines run transversely to the channel and are spaced an average distance of 200 meters apart.

3. All of the positions and soundings have been plotted by the field party but the sheet is transmitted uninked.

4. Tides were observed on staff #4, located 1 3/4 miles below Billingham. Tidal reductions for soundings on this sheet are somewhat approximate owing to imperfect connection of staff with plane of reference as determined at Clark Point.

Respectfully submitted,

Allen C. Jewell

Assistant, C. & G. Survey,

Chief of Party.

To the Superintendent,
Coast and Geodetic Survey,
Washington, D. C.

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S T A T I S T I C S

U.S. GEOGRAPHIC SURVEY
 OFFICE OF THE CHIEF OF BUREAU
 WASHINGTON, D.C.
 1910

Date 1909	Vol.	Let.	Miles (Stat)	Sdgs.	Angles	Remarks
Sept. 15	20	s'	36	814	318	Launch # 38
" 16	20	t'	28	739	244	"
2	1	2	64	1553	562	

Area = *7.49 stat. miles.*

V.E.C.
Aug. 9, 1910.

HYDROGRAPHIC SHEET 3176.

Nushagak Bay, upper part, Alaska, by Asst.
W. C. Dibréll in 1909.

TIDES.

	Staff 4 1 3/4 miles below Dillingham ft.
Mean lower low water, or plane of reference on staff	1.9
Lowest tide observed " "	-0.2
Highest " " " "	25.7
Mean range of tide	17.0

Coast and Geodetic Survey
AUG 31 1910
TIDAL DIVISION.

Hyd Sheet No 3176

Sept. 30, 1910.

The area covered by this survey is well developed. The descriptive reports states that the tidal reductions for soundings on this sheet are somewhat approximate owing to imperfect connection of staff with plane of reference as determined at Black Pt.

The sounding records were kept in a satisfactory manner.

H. L. Simmons