



3024

Diag. Chart. No. 8551-1 & 8502-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

C. N. Tittmann
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 3024

LOCALITY:

*Cape Suckling to Cape
Clear - Off shore hydrog-
raphy*

200,000

1909

CHIEF OF PARTY:

H. C. Denson

3024

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Department of Commerce & Labor
Coast & Geodetic Survey
O. H. Pittmann, Superintendent

C. & G. SURVEY,
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Hydrographic Sheet "A"

Locality. South of Copper River Delta.

Vessel: Str. Patterson

Chief of Party, H. C. Denson, Asst.

June 1st - September 27
1909

Scale 1/200,000

Observers, H. C. Denson, Asst.

W. H. Stanford, H. O.

A. B. Purton, Aid

G. F. Thomas, Mate.

Recorders, D. W. Tasset, Surg.

W. P. Humphrey, Sea.

In charge of Sdg. Machine Willem Diekeneyr, Bosn.

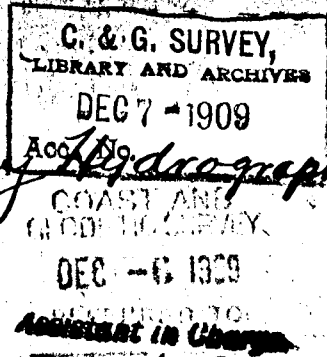
Gustaf Aaltonen, Mat. A.

Soundings plotted by field party.

Checked & verified by H. C. Denson

Soundings are in fathoms

Descriptive Report to accompany
Hydrographic Sheet "A"



This sheet covers the area bounded by Montague & Hinchinbrook ^{Islands} on the West, Kanak, Wingham & Kyak ^{Islands} on the East. Copper River sand reefs on the north & Middleton Id. on the South. Also the area east of Kyak Id. as far as Cope Suckling.

Inshore hydrography was done with launches around Kanak, Wingham & Kyak Islands & the results submitted on different hydrographic sheets. Descriptive Reports accompany each.

The only danger located on this sheet was found N. 20° W (mag.) 16 miles (naut) from Middleton Id. It is a rocky reef ~~that~~ which bares in spots at extreme low water. It has 20 fthms of water close to, and in calm weather no indications of shoal water was detected.

From the results of the survey I feel safe in reporting the nonexistence of the following reported dangers appearing on chart 8502 & covered by this

hydrographic sheet.

Reported reef West (mag.) 15 miles from Cape St Elias. The least depth found in this vicinity was 100 fthms. This reef was reported by Capt. Mason of the Str. Jeanie, and after having a conversation with him it developed that in all probability the reef N 20° W (mag.) 16 miles from Middleton Id. was where the "Jeanie" struck. Capt. Mason states that he was not sure of his position as he had not seen the land or sun for more than 24 hrs., thick foggy weather prevailing. Capt. Jensen now Master of the "Jeanie" was mate of this vessel the time it struck & he stated to me emphatically the reef struck is the one north 20° W of Middleton Id.

The reported reef SW ½ S (mag.) 4 miles from Cape St Elias does not exist.

This reef is the one reported by the bark "Sea Ranger". Mr. Jack Williams of Cordova Alaska who helped wreck the "Sea Ranger" after she was abandoned on the reef, states that the place where the "Sea Ranger" struck is the reef about 3 miles N.N.W. (mag.) from

Cape St Elias. A description of this reef is given in the Descriptive Report accompanying hydrographic sheet "B."

No indications could be found of the rock charted S.E. x S. (Mag.) 20 miles from Cape Hinchinbrook. The soundings show a uniform depth in this locality from 35 to 40 fathoms.

The "P.D." on the chart 7 miles N.E. of Cape Cleare was not investigated as the weather conditions the latter part of the season were not favorable. From enquiry it seems that a danger does exist in this locality & from the description given, it is a pinnacle rock. The work of developing this area should be done with launches.

It is also recommended that the work in the vicinity of Middleton Id. be done with launches as the soundings indicate a very lumpy bottom & should the ship strike there is no opportunity for assistance, this locality being out of track of all vessels.

An effort was made to do more

detail work around Cope St Elias, but on account of weather conditions it was impracticable. It is recommended that additional inshore work be done in this locality. Vessels should not approach Cope St Elias closer than 3 miles.

The tide staff located at the north end of Kyase Id. was used for data in the reduction of all soundings on this sheet.

A cosmos machine was used in taking soundings and the ship stopped for each sounding. Between stops the submarine sentry was operated, the kite being set for depths varying from 10 to 20 fms.

The position of the ship was determined by observations of mountain peaks with sextants.

Respectfully submitted
 H. C. Benson, Asst. 6795.
 Chief of Party.

Hyd. Sheet "A" Scale 1/200,000

H.C. Denson, Chief of Party. June 4 - Sept. 27, 1909

Signal	Lat.	D.M.	Long.	D.P.
○ Pk.F.	59°-48'	1714.5	147°-41'	528.5
○ Isle	59°-52'	1804.2	147°-20'	843.4
○ Good	59°-56'	15.5	147°-37'	343.2
○ Round	59°-59'	46.4	147°-32'	265.2
○ Sharp	60°-08'	321.9	147°-16'	819.7
○ Beta	60°-10'	1548.9	147°-10'	738.4
○ Pk.B.	60°-13'	594.0	147°-05'	600.3
○ Pk.A.	60°-13'	1689.0	147°-04'	705.4
○ Alpha	60°-18'	969.3	146°-29'	151.6
○ Kayak	59°-48'	1059.5	144°-35'	514.8
△ Hill	60°-01'	928.1	139°-52'	697.8

Date 1909	Letter	Vol	Posi tions	Sound lines	Miles Statute	Vessel
June 1	A Blue	1	31	31	67.0	Ship
" 2	B	1	16	16	31.0	"
" 4	C	1	33	33	59.1/4	"
" 21	D	1	52	52	100.0	"
" 22	E	1	46	46	99.0	"
" 23	F	1	59	59	123.1/4	"
" 24	G	1	79	79	153.1/4	"
" 25	H	1	77	77	164.3/4	"
" 26	I	1	73	73	94.1/4	"
" 28	K	1	38	38	55.1/4	"
" 29	L	1	78	78	110.1/4	"
" 30	M	1&2	65	157	92.0	"
July 9	N	2	27	27	49.0	"
" 14	P	2	33	33	66.1/4	"
" 15	Q	2	72	72	158.1/4	"
" 16	R	2	29	29	58.3/4	"
" 19	S	2	79	524	43.1/4	"
" 20	T	2	39	60	115.0	"
" 22	U	2	32	33	62.0	"
" 31	V	2	30	30	56.1/2	"
Aug 3	W	2	23	23	38.0	"
" 4	X	2	31	31	61.0	"
" 12	Y	2	35	35	75.0	"
" 13	Z	3	22	22	45.0	"
" 18	A Red	3	12	12	18.1/2	"
" 20	B	3	41	41	58.3/4	"
" 25	C	3	20	35	35.3/4	"
" 26	D	3	43	43	81.3/4	"
" 27	E	3	7	7	8.0	"
Sept 2	F	3	10	10	23.0	"
" 7	G	3	36	36	78.1/4	"
" 22	H	3	33	33	28.3/4	"
" 23	I	3	39	39	78.3/4	"
" 27	J	3	8	8	6.1/2	"
		34	1348	1921	2404.1/4	

Hyd. Sheet No. 3024.

Feb. 8, 1910.

This is a very satisfactory survey and covers
the ground well. The only danger discovered was
the reef north about 15 miles from Middleton Id.
The records are clear and well kept.

(S. S. Kimmer)

Notes in Desc. Rept relating to dangers
covered by this survey should be
entered on sheet.

S. S.

2-12-10