

3792

Diag. Chart No. 8102-2

East Shore Annette Is.

Felice Strait

South East Alaska

1915

C. G. Gillian

3792

3792

H. 3792

DESCRIPTIVE REPORT
TO
ACCOMPANY HYDROGRAPHIC SHEET OF
EAST SHORE OF ANNETTE ISLAND, FELICE STRAIT,
SOUTHEASTERN ALASKA.

SEASON 1915.

UNDER INSTRUCTIONS FROM THE SUPERINTENDENT
DATED MARCH 24, and APRIL 30, 1915.

Party of U S S McARTHUR,
C. G. QUILLIAN, ASSISTANT, C. & G. SURVEY,
COMMANDING.

HYDROGRAPHY BY LAUNCH "DELTA:"

J. W. Maupin, Assistant, In Charge.
W. D. Sutcliffe, Aid, Left Angle.
F. R. Webb, Assistant Surgeon, Recorder.

DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SHEET OF
EAST SHORE OF ANNETTE ISLAND, FELICE STRAIT, ALASKA.

- LIMITS AND AREA -

This work was done on one sheet, scale 1/20,000. The area sounded extends from Annette Point and Snipe Island, along the east shore of Annette Island to and including Ham Island. The work extends about 1-1/2 miles off shore and includes Cascade Inlet, Khwain Bay, and Crab Bay. The work also extends eastward from Ham Island, taking in Walker Island and Hog Rocks. To the southward the work takes in Indian Rock and Bostwick Reef. Some soundings were also taken around the Twin Islands, and on the west shore of Mary Island.

- GENERAL REMARKS -

The work herein described represents only that part of Sheet No. 5 (field number), done by the Launch DELTA. The balance of Sheet No. 5 was done by the ship. The area sounded over was close in work and shore work where it was unsafe to take the ship.

- GENERAL DESCRIPTION -

With a few exceptions the water is deep close up to shore on the east side of Annette Island, within the scope of this work. There are some abrupt shoals, however, and in several places reefs extend some distance off shore. The coast line is rocky and bold, in general, but the southeastern extremity of Annette Island and Ham Island are comparatively low and wooded.

DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SHEET OF
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- SHOALS AND REEFS -

Indian Rock, as shown, is about $3/4$ of a mile off of Annette Island. This rock bares at extreme low water and is generally marked by a light growth of kelp.

Bostwick Reef is 37° (Mag.) and about one mile distant from Indian Rock. There is a least depth of about 9 feet on this reef. The water deepens to about 15 fathoms between this reef and Indian Rock.

Shoal water extends some distance off shore just above Crab Bay. Annette Point is also foul close in. There is a rock, which bares at extreme low water, about $3/4$ of a mile S.E. from the mouth and in line with Cascade Inlet.

The water around Hog Rocks, Walker Island, and Ham Island, is deep and free from dangers. The shore of Mary Island is foul in places.

- ANCHORAGES -

There are few, if any, good anchorages within the area covered by this work.

Vessels may anchor in Khwain Bay, but same is deep and does not afford much protection in a southeast blow.

Crab Bay is very small and there are dangerous reefs on both sides of the entrance. This may be used by small vessels, but requires much caution in entering.

Cascade Inlet is not a good anchorage as the water is deep, with poor holding ground, and winds draw through very strongly during southerly weather.

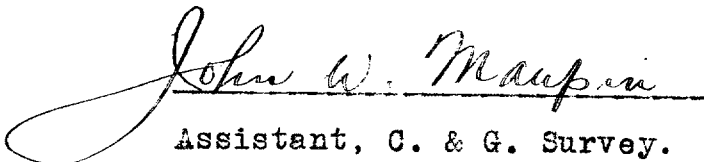
DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SHEET OF
EAST SHORE OF ANNETTE ISLAND, FELICE STRAIT, ALASKA.

- CONCLUDING REMARKS -

Vessels wishing to pass through Felice Strait from the north should head in so as to pass about half way between Indian Rock and the main shore of Annette Island.

There is not much current in Felice Strait, except around Annette Point. Southerly weather draws up through the strait causing a very choppy sea at times.

Respectfully submitted,


Assistant, C. & G. Survey.

JWM/MDG.

Sh # 3792
McArthur 1915

Vol.	Date	Day	Stat. Miles	Soundings	Positions	Angles	Time sdy	Boat	In Charge	Pos. Port'd	Sdy's Port'd
1	July 30	A	7.0	76	76	152	4.1	"	"	"	"
"	Aug. 4	B	4.5	46	44	88	2.3	"	"	"	"
"	6	C	11.8	162	151	307	6.7	"	"	"	"
"	7	D	5.8	78	70	140	3.1	"	"	"	"
"	16	E	5.9	68	68	138	3.6	"	"	"	"
"	17	F	15.6	164	135	281	7.0	"	"	"	"
"	19	G	16.2	152	136	272	6.5	"	"	"	"
"	20	H	16.6	136	136	288	7.9	"	"	"	"
"	21	J	7.8	132	102	204	4.5	"	"	"	"
"	23	K	9.4	76	76	152	4.3	"	"	"	"
"	24	L	1.7	17	17	34	0.9	"	"	"	"
"	26	M	4.3	39	39	78	1.8	"	"	"	"
"	27	N	20.2	161	161	322	8.5	"	"	"	"
"	28	O	18.1	147	147	298	7.0	"	"	"	"
"	Sept 1	P	20.3	168	168	336	8.7	"	"	"	"
"	8	Q	7.3	67	71	142	4.3	"	"	"	"
"	9	R	16.0	115	115	233	7.2	"	"	"	"
"	10	S	17.0	120	120	242	7.5	"	"	"	"
"	11	T	15.8	104	104	208	4.7	"	"	"	"
"	13	U	14.0	124	123	246	7.2	"	"	"	"
"	14	V	7.0	33	33	66	2.3	"	"	"	"
"	15	W	11.0	86	81	162	4.6	"	"	"	"
"	16	X	15.5	216	139	278	6.6	"	"	"	"
"	18	Y	13.2	183	155	310	7.2	"	"	"	"
"	20	Z	6.2	93	66	132	2.7	"	"	"	"
"	22	AA	17.8	410	142	284	7.1	"	"	"	"
"	23	BB	20.8	107	107	216	7.0	"	"	"	"
"	Oct 9	CC	1.5	14	14	28	0.8	"	"	"	"
"	9	CC	3.2	88	28	56	2.6	"	"	"	"
Totals			331.5	3382	2824	5693	148.7				
Launch Mark 5766			207.0	4468	1205	2416	80.8				
Grand Total			538.5	7850	4029	8109	229.5				

1-5 RC Briggs
7-10 W.K. Doolittle

J.W. Maupin

dinghy

Sh # 3792 Launch Delta 1915

Vol.	Date	Day	Stat Miles	Soundings	Positions	Angles	Time Sdg	Boat used	In Charge	Res plotted	Wps plotted
1	Aug 4	a	16.0	303	101	202	5.5	" Delta "	J.W. Moquin	W.K. Doillon	W.K. Doillon
"	7	b	11.0	211	70	140	4.3	"	"	"	"
1 & 2	16	c	16.1	378	94	188	5.8	"	"	"	"
2	17	d	21.0	460	119	238	8.1	"	"	"	"
2 & 3	18	e	15.0	337	93	186	6.6	"	"	"	"
3	19	f	21.1	489	119	238	8.0	"	"	"	"
3 & 4	20	g	18.2	399	102	204	7.1	"	"	"	"
4	25	h	9.7	180	47	94	3.2	"	"	"	"
"	Sept 17	i	7.6	172	45	90	2.8	"	"	"	"
4 & 5	20	j	11.3	233	60	120	4.4	"	"	"	"
5	21	k	20.7	444	121	242	8.4	"	"	"	"
5 & 6	22	l	22.6	474	128	256	8.6	"	"	"	"
6	23	m	16.7	388	106	218	8.0	"	"	"	"
Totals			207.0	4468	1205	2416	80.8				

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VEC
Jan. 31, 1916

HYDROGRAPHIC SHEET 3792.

Felice Strait, S.E. Alaska, by Assistant G. C.
Quillian in 1915.

	TIDES.		
	Ryus Cove ft.	Cat Island ft.	Ketchikan ft.
Mean lower low water, or plane of reference on staff	5.4	3.5	1.4
Lowest tide observed " "	1.3	0.9	-2.9
Highest " " " "	23.2	20.5	21.5
Mean range of tide	12.7	12.8	13.1

LIBRARY

Place with descriptive report
of hydrographic sheet No. 3792

G.F.

Drawing Section.

Hyd. Sheet No. 3792

This work is very good. The ground has been uniformly covered and shoal indications thoroughly developed.

The line from pos. 39c (red) to pos. 42c, appears to be in error. (probably five fathoms too shoal.) It was inked on the sheet however, as there were no sufficient reasons for rejecting it.

On the shoal, half a mile south of Δ Beaver, the $3\frac{1}{2}$ fathom sounding may be out of position. The examination in the dinghy shows the least water, $2\frac{1}{2}$ fathoms, to be about 100 meters north, with 14 and 16 fathoms over the $3\frac{1}{2}$ fathom spot.

R. L. Johnston

Soundings shown in fathoms.

This sheet was verified and inked without the aid of a boat sheet, none apparently have been sent to the office.

E. P. Ellis