



Hyd.

3930

Diag. Chart. No. 8152-1

Alaska (Southeast)

West Coast - Prince of Wales Island

3930

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. *W 220*

State *S. E. Alaska*

General locality *West Coast, Dall Islands*

Locality *Fort Bazan*

Chief of party *J. S. Steady*

Surveyed by *R. W. Steady mate*

Date of survey *June to Aug. 1916*

Scale *1 to 10,000*

Soundings in *fathoms*

Plane of reference

Protracted by *L. C. Wilder, D. O.* Soundings in pencil by *O. M. Dailey, D. O.*

Inked by *H. S. Rappleye* . . . Verified by *H. S. Rappleye* . . .

Records accompanying sheet (check those forwarded):

~~Data~~ report, _____ Tide books, _____ Marigrams, _____ Boat sheets,

4 Sounding books, _____ Wire-drag books, _____ Photographs.

Data from other sources affecting sheet

Statistical Report.

Remarks:

SEASON 1916

Statistics for Hydrographic Sheet No. (1) 3930

West Coast, Prince of Wales Id.,
S. E. Alaska.

By Party on
Strmr. "EXPLORER"

F. H. Hardy, Commanding.

Date 1916	Letter.	Volume.	Posi- tions.	Sound- ings.	Miles Statute.	Vessel.
June 8	a	1	43	124	4.7	Launch #117
" 10	b	1	198	339	19.8	"
" 12	c	1-2	142	279	8.0	"
" 20	d	2	134	295	9.0	"
July 31	e	2	55	59	2.0	" #46
Aug. 2	f	2	107	205	4.5	"
" 3	g	3	162	267	7.5	"
" 9	h	3	55	97	3.0	"
" 10	i	3-4	175	267	6.5	"
" 11	j	4	97	136	4.0	"
TOTAL.....			1164	2068	69.0	

Hydrographic Sheet No. 3930.

This sheet was protracted by L.C. Wilder in the field and the protracting was in the main very carefully done, only two or three positions being found in error during the verification. One of these deserves special mention. The position 25b was plotted on the field sheet using the signals Duck-Bit-Pro and the angles as recorded, instead of Slate-Bit-Pro as the signals were recorded in the book. This shoves a $2\frac{1}{2}$ fathom sounding pretty well out in the channel but as there was no boat sheet to furnish other information regarding this discrepancy, and as the plotting on the field sheet was on the safe side this was taken as final and left as plotted.

In discussing the protracting of this sheet it should be mentioned that the position numbers were made too large and in some cases interfered seriously with the plotting of the soundings. The signal names were also very poorly placed in some cases. More care should have been taken to keep the names of the signals out on the land areas.

One thing which was overlooked in the sounding records was the matter of filling in the column "Boat's Head By Compass" and this lack much increased the work of verification.

There seems to have been some confusion as to the name of the signal "Bit" as given on the sheet for this appears to have been consistently called "Bunch" in the sounding records.

The soundings were plotted in pencil by I.M. Dailey, Ass't., and a preliminary study of depth curves also made. This tracing of depth curves by Mr. Dailey has been left with the sheet.

Apparently the work was carefully done as the various lines appear to agree well and the resulting curves are pretty free from unaccountable irregularities. Shoals were developed thoroughly and the whole area well covered.

Howard S. Rappleye

Draftsman.

Protracting by L.C. Wilder, D.O., in field.
Soundings in Pencil by I.M. Dailey, Ass't.,
Inking and verification by H.S. Rappleye.

Soundings in fathoms.

Much data regarding location of kelp and rocks was taken from the Topographic sheet No. 3634.

Hydrographic Sheet No. 3934.

This sheet was protracted in the field by R.W.Healy, Mate and the soundings were put on in pencil in the office by I.M.Dailey, Ass't., and both setps in the work were well carried out as very little was required to be changed at the time of the verification.

The sheet is not complete and has been back in the field a second season for additional work which failed to get completed. The work of the field party for some reason or other seems to be rather doubtful. The shounding lines seem to be all regular enough but the cuts taken to locate certain signals are bady out in some cases.

Certain of the positions on G day had to be rejected since they depended on signals cut in by the hydrographic party and which could not be plotted.

The work on this sheet is so scattered that not much of a study of depth curves could be made and the junction of this sheet with 3619 was so small that there was not much chance of making an added study of them where the two sheets joined.

This area needs much more work before it can be considered as surveyed.

Howard S. Rappleye

Draftsman.

Soundings in fathoms.

Protracted by R.W.Healy, Mate.

Soundings in Pencil by I.M.Dailey, Asst.

Verified and inked by H.S.Rappleye.

113
288
HCS

VEC
June 16, 1917

HYDROGRAPHIC SHEET 3930.

West coast of Dall Island, Southeast Alaska, by party
of Assistant F. H. Hardy in 1916.

TIDES.

	Craig Feet.
Mean lower low water, or plane of reference on staff	8.3
Mean range of tide	7.9