

4178

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: S.E. Alaska

11-5613

DESCRIPTIVE REPORT.

Sheet No. 4178

LOCALITY:

Dall I. - E. Coast

McLeod Bay to

Upper Kaigani Harbor

1925

CHIEF OF PARTY:

H.B. Campbell

00
7
4178

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

No. 4178

(Field Letter "B")

SOUTHERN PART KAIGANI STRAIT.

September - October

1925.

Scale : 1 - 10,000

Campbell

LIMITS :

The work on this sheet covers the East Coast of Pell Island, from the head of McLeod Bay northward to the northern point of Kaigani Harbors, including the survey of Datzkoo Harbor and the Kaigani Harbors. It also includes the group of Datzkoo and Daykoo Islands and a short portion of shore line on the southern side of McLeod Bay about midway between Cape Mazon and the head of the bay. Signals were also located along the southern shore of McLeod Bay.

CONTROL :

Three triangulation stations were recovered and nine new ones were located in this area, giving excellent control for this sheet.

METHODS :

In the area to the southward of Datzkoo Point all topographic signals were located by cut from triangulation stations or by strong plane table triangulation and three point fixes. In this area eight triangulation stations were available for control. In Little Daykoo Harbor three point fixes, several cuts, and a short traverse were employed.

Between Datzkoo Point and the mouth of Datzkoo Harbor a traverse was used, checked by resection on triangulation stations to the northward. Plane table triangulation was carried into Datzkoo Harbor and also into each of the Kaigani Harbors with the orientation controlled by cuts from the mouths of the harbors.

REVISION OF OLD SURVEY :

Owing to the intricate detail in the southern portion of this sheet and to the desirability of developing Little Daykoo as a launch anchorage, it was deemed advisable to survey this sheet on a 1 - 10,000 scale. Inasmuch as the old survey was lacking in triangulation control, only two stations, Y and Cape, being available, it was found that portions of this area distant or obscured from these stations were in error. Consequently it was found necessary to resurvey these portions and at the same time add the extra detail possible on a sheet of this scale. The change in the head of McLeod Bay, is no doubt, due to wave action as this is a gravel beach and subject to strong wave action in southeast weather.

A number of objects shown on the chart as small islands are actually reefs, covered at high tide, or rocks, awash, and have been so shown on this sheet.

Where this sheet was found to differ from the bromide of the previous survey, special care was taken to assure exactness. The discrepancies occurring near Mac and Datzkoo and in the vicinity of Little Daykoo Harbor as well as at various places among the islands and along the shore from Little Daykoo to Datzkoo Point were very carefully checked at the time of the survey. These differences were further checked by the hydrographer. Objects which were found to be in error in position were usually correct as to direction from Y and Cape, the two control points of the earlier survey, and the error was found to be in distance.

ELEVATIONS :

During the progress of the survey, the heights at which rocks awash and reefs bared together with the date and time of day were observed and recorded and these later reduced for tide. Therefore on this sheet the datum of height of rocks awash and reefs is mean lower low water. The datum for other elevations is mean high water.

On all islands shown as wooded, it was found impossible to obtain closely the elevation of the ground level. Therefore the elevations shown are to the tops of the trees and the heights of trees were then estimated and in each case shown on the sheet.

No contours are shown on this sheet as a supplementary contour sheet on a 1 : 20,000 scale was to have been made, covering the southeastern part of Dall Island.

OBSTRUCTIONS :

The pile shown on this sheet as a pile on the southern shore of McLeod Bay has been removed and should not be shown on the chart. However pile fish traps are driven along ^{the shore} at this point each year and as there is some danger of some of these piles being broken off below the surface a boat should proceed here with caution. These traps extend about 1/4 mile off shore.

In Datzkoo Harbor piles are also driven for mooring floating traps. These are all within 100 meters of shore in the large bight on the southern shore.

At the mouth of Kaiganig Harbors there are several rocks awash covered by about a fathom of water at low tide. These are shown in their approximate position and marked P. D. on this sheet.

Respectfully submitted,

Carl J. Ascherson,
Cmdr.

Respectfully submitted,

discrepancies between
this sheet and the previous 1-20,000 sheet
were investigated by the hydrographer and
in some cases by the triangulation
party. The work as shown on this,
the 1-10,000 sheet, was found correct.

H. B. Campbell
H. 842, Comd'g.

PLANE TABLE POSITIONS

SHEET # _____ FIELD SHEET "B"

Object & Description	Latitude	D. M.	Long- itude	D. P.	Remarks
ad	54 40 :	694 :	132 39 :	865 :	See description Form 524.
End, W. W.	54 40 :	841 :	132 39 :	818 :	
Tide Gauge	54 40 :	210 :	132 40 :	205 :	Marked by B.M. (See Form 524.
Be, lone rocky islet	54 40 :	1078 :	132 40 :	276 :	Highest Point
Bill, W. W.	54 40 :	1553 :	132 40 :	977 :	
Cloud, W. W.	54 41 :	917 :	132 42 :	947 :	Marked (See Form 524)
Wash, W. W.	54 41 :	1414 :	132 43 :	586 :	
But, McLeod's 2 storey house	54 41 :	1775 :	132 43 :	932 :	South Gable
Nec, W. W.	54 42 :	219 :	132 43 :	402 :	
Good, W. W.	54 41 :	1707 :	132 43 :	01 :	
Dead, Dead Tree	54 42 :	405 :	132 43 :	330 :	Top of Leaning Tree
See, W. W.	54 42 :	350 :	132 42 :	956 :	
Dot, W. W.	54 41 :	1718 :	132 42 :	584 :	
Boat	54 41 :	1715 :	132 42 :	327 :	Bow of Wreck.
Fin, W. W.	54 42 :	211 :	132 42 :	186 :	
Lit, W. W.	54 42 :	134 :	132 41 :	944 :	
Day, W. W.	54 41 :	1428 :	132 42 :	313 :	Marked - See Form 524
Bluff, W. W.	54 42 :	1605 :	132 41 :	899 :	
Now, W. W.	54 42 :	266 :	132 41 :	718 :	
Pine, Tallest Pine on Is.	54 42 :	684 :	132 41 :	209 :	
Peak,	54 42 :	919 :	132 40 :	754 :	Highest Point on Rocky Islet.
Leg, W. W.	54 42 :	619 :	132 42 :	193 :	
Mal, W. W.	54 42 :	795 :	132 42 :	284 :	
Tip, W. W.	54 42 :	1090 :	132 42 :	407 :	
Sig, W. W.	54 42 :	1305 :	132 42 :	303 :	
Low, W. W.	54 42 :	1444 :	132 42 :	78 :	
High, W. W.	54 42 :	1585 :	132 42 :	1052 :	Marked, see Form 524
Dot, W. W.	54 42 :	1772 :	132 42 :	136 :	
Alf, W. W.	54 43 :	260 :	132 42 :	146 :	
Fole, W. W.	54 43 :	399 :	132 42 :	12 :	
Ep, W. W.	54 43 :	1079 :	132 42 :	412 :	
Del, W. W.	54 43 :	1243 :	132 42 :	101 :	
Gan, W. W.	54 43 :	1211 :	132 41 :	289 :	
Pain, White Patch on Rock	54 43 :	1313 :	132 41 :	96 :	More Prominent at a Distance.
Sol, W. W.	54 43 :	1515 :	132 42 :	278 :	On Rocky Islet, 425 N. West Datskoe Point.
Bun, W. W.	54 43 :	1791 :	132 42 :	649 :	Marked, see Form 524
Fin, W. W.	54 43 :	1713 :	132 42 :	946 :	
us, W. W.	54 43 :	1726 :	132 42 :	1000 :	
Rock, W. W.	54 43 :	1824 :	132 43 :	315 :	
Bow, W. W.	54 44 :	10 :	132 43 :	605 :	
El, W. W.	54 44 :	281 :	132 43 :	796 :	
Oris, W. W.	54 44 :	334 :	132 43 :	840 :	

PLANE TABLE POSITIONS

SHEET # _____ FIELD SHEET "B"

Object & Description	Latitude	D. M.	Long- itude	D. P.	Remarks
Mose, W. W.	54 44 :	413 :	132 43 :	702 :	
Ret, W. W.	54 44 :	437 :	132 43 :	732 :	Marked, see Form 524
Fin, W. W.	54 44 :	612 :	132 43 :	908 :	
Car, W. W.	54 44 :	680 :	132 43 :	795 :	
John, W. W.	54 44 :	772 :	132 43 :	981 :	
Scrub- Lone Scrub Tree	54 44 :	633 :	132 44 :	8 :	Trunk of tree.
Dave, W. W.	54 44 :	594 :	132 44 :	198 :	
Wood, W. W. & Wooden Signal	54 44 :	854 :	132 44 :	562 :	Marked, see Form 524
Dig, W. W. -	54 44 :	724 :	132 45 :	465 :	
Tom, W. W.	54 44 :	1927 :	132 45 :	750 :	Marked, see Form 524
Last, W. W.	54 44 :	1082 :	132 46 :	65 :	
Jim, W. W.	54 44 :	1265 :	132 46 :	219 :	
Rob, W. W.	54 44 :	1239 :	132 46 :	119 :	Marked, see Form 524
Po, W. W.	54 44 :	1146 :	132 46 :	284 :	
Ted, W. W.	54 44 :	1483 :	132 46 :	240 :	
Pad, W. W.	54 44 :	1457 :	132 45 :	1003 :	
Gun, W. W.	54 44 :	1484 :	132 45 :	272 :	
Can, W. W.	54 44 :	1399 :	132 44 :	931 :	
Wat, W. W.	54 44 :	1272 :	132 44 :	290 :	
Hat, W. W.	54 44 :	1086 :	132 44 :	11 :	Marked, see Form 524
Kid, W. W.	54 44 :	1113 :	132 43 :	808 :	
Dab, W. W.	54 44 :	1153 :	132 43 :	329 :	
Fan, W. W.	54 44 :	1314 :	132 43 :	515 :	
Dog, W. W.	54 44 :	1406 :	132 43 :	383 :	
Pig, W. W.	54 44 :	1644 :	132 43 :	468 :	
Sap, W. W.	54 44 :	1685 :	132 43 :	278 :	
Gar, W. W.	54 44 :	1752 :	132 43 :	392 :	
Tel, W. W.	54 45 :	96 :	132 43 :	543 :	
Lax, W. W.	54 45 :	239 :	132 43 :	770 :	
Blue, W. W.	54 45 :	149 :	132 43 :	849 :	
Mud, W. W.	54 45 :	230 :	132 43 :	1025 :	
Bld, W. W.	54 45 :	441 :	132 44 :	379 :	
Cal, W. W.	54 45 :	606 :	132 44 :	760 :	
Hard, White Stick	54 45 :	380 :	132 44 :	937 :	Probably not recoverable
Soft, End of Log, W. W.	54 45 :	575 :	132 45 :	43 :	" " "
Thin, W. W.	54 45 :	773 :	132 44 :	1044 :	
Lean, W. W.	54 45 :	838 :	132 45 :	12 :	
Slim, W. W.	54 45 :	1096 :	132 45 :	248 :	
Reef, W. W.	54 45 :	1173 :	132 45 :	100 :	
Fat, W. W.	54 45 :	1301 :	132 45 :	262 :	
Deer, W. W.	54 45 :	1201 :	132 44 :	869 :	
Bear, W. W.	54 45 :	1090 :	132 44 :	706 :	
Sock, W. W.	54 45 :	1037 :	132 44 :	429 :	
Spit, W. W.	54 45 :	973 :	132 44 :	417 :	Highest point on Reef
Green, W. W.	54 45 :	837 :	132 44 :	291 :	
Black, W. W.	54 45 :	681 :	132 44 :	16 :	
Key, W. W.	54 45 :	533 :	132 43 :	786 :	
Min, W. W.	54 45 :	433 :	132 43 :	567 :	
Elm, W. W.	54 45 :	568 :	132 43 :	630 :	
Oak, W. W.	54 45 :	641 :	132 43 :	697 :	
Go, W. W.	54 45 :	722 :	132 43 :	950 :	

PLANE TABLE POSITIONS

SHEET # _____

FIELD SHEET "B"

Object & Description	Latitude		D. M.	Long-		D. P.	Remarks
				itude			
Vi, W. W.	54	45	883	132	43	1063	
In, W. W.	54	45	1151	132	44	173	
Out, W. W.	54	45	1140	132	44	166	
Punk, W. W.	54	45	1135	132	44	234	
Cap, W. W.	54	45	1149	132	44	349	
Coat, W. W.	54	45	1194	132	44	408	
Hack, W. W.	54	45	1209	132	44	421	
Liz, W. W.	54	45	1377	132	44	630	
Zan, W. W.	54	45	1388	132	44	543	
Tar, W. W.	54	45	1438	132	44	529	
Al, W. W.	54	45	1669	132	44	654	
Sad, W. W.	54	45	1756	132	44	542	
Mot, W. W.	54	45	1719	132	44	344	
Ter, W. W.	54	45	1654	132	44	55	
Link, W. W.	54	45	1488	132	43	948	
Abe, W. W.	54	45	1248	132	43	730	
Bug, W. W.	54	45	1063	132	43	430	
Pan, W. W.	54	45	1127	132	43	122	
Jap, Banner on tree	54	44	1546	132	44	719	
Sam, Banner on tree	54	44	1614	132	45	993	
Pink, Tripod	54	44	1366	132	46	605	
Ben, W. W.	54	44	763	132	45	674	
Ner, Banner on tree	54	44	611	132	45	281	
Trap, Pile	54	44	682	132	45	241	
Row, W. W.	54	43	1449	132	41	924	Highest point on Rock
Lon, W. W.	54	43	1314	132	41	895	
Si, Stick, W. W.	54	43	1267	132	42	386	
Mu, W. W.	54	43	604	132	42	279	
Pi, W. W.	54	43	520	132	42	238	
Rod, Stick in Ground	54	42	163	132	42	388	
Stik, " " "	54	42	219	132	42	557	
Stump, Old Stump	54	42	380	132	43	182	
Pile, Old Pile	54	41	64	132	41	377	Lost - Pile Removed.
Bird, Tripod	54	42	98	132	42	969	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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

4178

U. S. Coast and Geodetic Survey.

Register No. ⁴¹⁷⁸4178

State S. E. Alaska

General locality Dall I.-E. Coast
~~West Coast, Prince of Wales Island~~

Locality McLeod Bay to Upper Kaigani Harbor
~~Cape Luzon, Dall Island~~

Chief of party H. B. CAMPBELL

Surveyed by CARL I. ASIAKSON

Date of survey August - September, 1925

Scale 1 : 10,000

Heights in feet above M.L.L.W. *

Contour interval feet. **

Inked by C. I. A. Lettered by C. I. A.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: * Heights of all rocks which are covered at high tide are given in feet above M.L.L.W. Elevations of islands are given in feet above highwater. They refer to height at the ground surface. When this could not be obtained directly due to trees, the total height to tops of trees was given and a second figure added, giving estimated height of trees.

** Contours of the area covered by this sheet are to be executed on a 1 : 20,000 sheet in 1926.