

6520

U. S. COAST & GEODETIC SURVEY
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Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. C- 36

State ~~Southeastern~~ Alaska

LOCALITY

~~PORCUPINE~~ GASTINEAU CHANNEL

Juneau to Salmon Creek

1936

CHIEF OF PARTY

H. Arnold Kero

U. S. GOVERNMENT PRINTING OFFICE

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO.
MAR 19 1937
U. S. COAST AND GEODETIC SURVEY
CHIVES

Acc. No.

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter C - 36REGISTER NO. T-6520State ~~Southwestern~~ AlaskaGeneral locality ~~Tongue~~ Castineau ChannelLocality Juneau to Salmon CreekScale 1 : 10 000 Date of survey August, 1936Vessel M. V. WestdahlChief of Party H. Arnold KaroSurveyed by D. H. KonichekInked by D. H. KonichekHeights in feet above ***** to ground to tops of treesContour Approximate contour Form line interval ***** feetInstructions dated March 5th., 1936Remarks: No contour or form lines drawn.

DESCRIPTIVE REPORT TO OCCOMPANY
TOPOGRAPHIC SHEET
C - 36

GASTINEAU CHANNEL

Project HT-209

Instructions dated March 5, 1936

H. Arnold Karo, Chief
of Party.

The ground to the southwest of the channel is gently rolling with a gradual upward slope for a little way from the water, at which time it rises sharply. On the northeastern side of the channel the ground rises sharply almost at once, leaving only a narrow strip of level ground next to the beach.

There are no particularly good land marks in the area, except such objects as houses, etc., which in no case would be known to anyone not very familiar with the country.

Triangulation stations located in 1921 were recovered and supplemented by additional 1936 work. The 1921 stations Stream and Creek were recovered and held fixed. The 1936 triangulation was based upon the locations of these stations. All of the 1921 triangulation stations except Stream and Creek occupied in 1936 will have slightly different geographical ~~locations~~ ^{positions} in the 1936 computations than they had in 1921. The 1921 positions of the old stations were plotted on the topographic sheet, and were found to be satisfactory. Station Cow, 1921 showed evidences of having been moved, so it was reset as nearly as possible and relocated. The 1921 position of this station was used for topography with no noticeable error. Planetable triangulation was used to locate prominent points. Frequent rod readings were taken to H. W. line, and all houses, roads, power lines, etc., were rodded in.

The control was adequate enough to allow errors to be kept negligible, and therefore there was no adjustment necessary.

All geographic names were taken from USC&GS chart # 8235 except that for Kowie Creek. This name is well established locally but has not been put on any of our charts. The creek bearing the name, "Kowie", lies just north of the fill leading to the Douglas - Juneau bridge, and should not be confused with a smaller creek lying just to the south of the bridge fill near station Cow, 1921. The small creek near Sta. Cow has no name.

Have seen Mr. Sutcliffe regarding change in triangulation - change in stations not enough to affect hydrography. g.l.s.

All objects below HW line have been designated by notes or symbols on the sheet.

The approximate HW line, indicated on the sheet by a dotted line, in the vicinity of Salmon Creek was difficult to determine due to the low elevation of the marsh at this point. Salmon Creek is constantly building up a shoal, and has a tendency to meander over the area between the HW and the LW lines.

The M.L.L.W. line was transferred from hydrographic sheet #1036, and was found to check with rod readings obtained by the topographer.

Except for minor changes, the topographic features indicated on the sheet are the same as those shown on USC&GS chart #8235. No information concerning the old topography was furnished, so no comparison with previous topography can be made in this report. *Comparison with prior surveys made by reviewer.*

The area lying between HW line and MLLW line is almost entirely mud, as is indicated by the notes on the sheet. There is however some small amount of gravel, sand, and small boulders in the vicinity of creek mouths. An attempt has been made to show small areas where this is the case by using the topographic symbol for gravel.

Aside from the shoaling that will probably take place around the mouths of Salmon and Kowie Creeks, thus changing the HW line slightly, the topography of the area should remain unchangeable. No recommendation for future work is made.

Respectfully submitted

D. H. Konichek
D. H. Konichek, Topographer

Approved and forwarded

H. Arnold Karo
H. Arnold Karo, Chief of Party

Remarks

Decisions

1		see HL-6177
2		" "
3		" "
4		" "
5	submitted to USGB 4/15/37	
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GEOGRAPHIC NAMES

Survey No. T-6520

Name on Survey	On Chart No. 8235	On previous survey No.	On U. S. quadrangle Maps	From local information	Bakers Direct on local maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	BP 17860	
	A	B	C	D	E	F	G	H		K
<u>Salmon Creek</u>	✓ app'd									1
<u>Gastineau Channel</u> ✓	✓ app'd									2
<u>Juneau</u> ✓	✓ app'd									3
<u>Douglas Island</u> ✓	✓ app'd									4
Kowie Creek ✓			Cowie Cr.	D.R. Pg. 1						5
<u>Eagle Cr.</u> ✓			✓							6
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Names underlined in red approved

by SAE on 4/15/37

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT }
 PHOTOGRAPH OF }
~~PHOTOGRAPH OF~~ }

No. 11
 No. T-6520

received Mar. 19, 1937
 registered April 13, 1937
 verified
 reviewed
 approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	C. K. Green
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REVIEW OF TOPOGRAPHIC SURVEY No. 6520 (1936) Field No. C-36

Title (Par. 56) Juneau to Salmon Creek, Gastineau Channel, Alaska

Chief of Party H. A. Karo Surveyed by D. H. Konichek Inked by D. H. Konichek

Ship WESTDAHL Instructions dated Mar. 5, 1936 (WESTDAHL) Surveyed in August 1936

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
No elevations determined ✓
5. The delineation of ~~-contours-formlines-~~ is satisfactory. (Par. 49, 50.) No formlines shown. ✓
6. ~~There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.)~~
7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, reefs, coral reefs and rocks, ~~and legends pertaining to them~~ is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) Low water line transferred from H-61772 (1936) and checked with frequent rod readings. (See D. R., page 2). ✓
9. ~~Reefs and~~ other important ^{offshore} details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aere topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMS and DPs, 68.) *None established due to frequency of Δ stations.* ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *No landmarks (See D.R., page 1, par 2).* ✓
17. The magnetic meridian ^{*but there is no evidence that the declination*} was shown ~~and declination~~ was checked. (Par. 17, 52.) *The value of the magnetic declination agrees closely with the latest charted information.* ✓ *Declination*
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. *No junction on the North is required by the instructions for the project.* ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) *Names transferred from Chart 8235, however, there is no evidence in the D.R. that most of these names had been verified in the field.* ✓
21. The quality of the drafting is ^{*very*} good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~ ✓
24. Remarks: *All explanatory notes were in pencil. The more important of these were inked in the office.*

Reviewed in office by *Harold D. Murray* *July 23, 1937.*
Inspected by A. L. Schlarf

Examined and approved:

B. H. Green
 Chief, Section of Field Records
L. O. Solbert
 Chief, Division of Charts

Fred L. Peacock
 Chief, Section of Field Work
G. H. Hurd
 Chief, Division of Hyd. and Top.