

6762

U. S. DEPARTMENT OF COMMERCE

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Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY L.O. Colbert, Director	
State: ALASKA	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. C-40 T6762
LOCALITY	
North VICINITY OF CAPE FAIRWEATHER	
GULF OF ALASKA	
193 1940	
CHIEF OF PARTY	
RAY L. SCHOPPE AND ROBERT W. KNOX	

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET - FIELD NO. C-40

T6762

NORTH OF CAPE FAIRWEATHER - GULF OF ALASKA

PROJECT - HT - 245

FIELD SEASON - 1940

INSTRUCTIONS:

Field work was executed in accordance with
DIRECTOR'S INSTRUCTIONS dated February 2, 1940,
covering combined operations of the Str. SURVEYOR.

EXTENT OF SURVEY:

This survey includes the coastline of Alaska
bordering on the Gulf of Alaska from a point in Latitude
58°-55.2' and Longitude 138°-00, northwestward to a
point in Latitude 59°-01.5' and Longitude 138°-12.1'.

It include that portion of the interior that
was visible from the beach.

GENERAL DESCRIPTION:

The shoreline from Traverse Station GRAVE to
200 meters southeast of Traverse Station GRAVE-E is a
wide soft sand beach. From the point 200 meters south-
east of GRAVE -E, northwest to signal GAS - the shore-
line is covered with a mass of large boulders. This
area forms an inconspicuous point. North from the point
to the limit of the sheet the shoreline is again a wide
sand beach.

Just south of traverse station GRAVE-B there
is a glacier stream carrying a large volume of water
which is filled with glacial silt. Like other streams
in the area it broadens and flows northward just inside
the shoreline. Another glacial stream discharges just
south of Traverse Station GRAVE-C. There are numerous
small glacial streams at the rocky cape at the northern
end of the sheet. Another large glacial stream which

drains the north side of Grand Plateau Glacier is located at the northwest end of this sheet.

The area inshore thruout this stretch of coastline is covered by a dense growth of spruce obscuring most of the interior from the beach.

The range of hills extending northwest from a point in Latitude $58^{\circ}-59'$ and Longitude $138^{\circ}-05'$ is part of the terminal moraine of Grand Plateau Glacier. The face of the glacier lies just north of these hills. The westerly area of the glacier is covered with rocks and debris. The glacier was visited by the survey party by following the stream (near traverse station GRAVE-C) up to the glacier.

CONTROL:

This sheet was controlled by Second Order Traverse thru out, executed by the same survey party during the current field season. Traverse stakes every 50 meters were available for control.

SURVEY METHODS:

Standard planetable methods were used in executing this survey. Except for a few extra planetable setups in the vicinity of rivers no planetable traverse were required.

The interior detail was located by planetable cuts. Vertical angles were taken with the alidade and elevations determined with the hypsograph.

JUNCTION WITH OTHER SURVEYS:

This sheet joins Field Sheet No. B-40 to the south and Field Sheet No. D-40 to the North both executed by the same survey party during the current field season.

Chart No. 8002 is on too small a scale to afford a satisfactory comparison.

A comparison with International Boundary sheet No's 11 and 12 indicate a considerable discrepancy in the Boundary sheets at the shoreline.

Rev., par. 2.

NAMES:

The names ALASKA, GULF OF ALASKA and GRAND PLATEAU GLACIER are from chart No. 8002.

No new names were assigned by the survey party though the river at the northwest end of the sheet might be named GRAND PLATEAU RIVER.

LIST OF PLANETABLE SIGNALS:

KID	Whitewashed driftwood	Not recoverable
BUS	" "	" "
JOE	" "	" "
AX	" "	" "
ABE	" "	" "
WET	Pole and banner on dune	" "
MUM	Whitewashed driftwood	" "
IKE	" "	" "
BUD	Banner in tree	" "
RAY	Tripod on dune	" "
OIL	Whitewashed rock	" "
GAS	" "	" "

STATISTICS:

Statutes miles of shoreline ----- 10.3
 Statutes squares miles of topography - 5.5
 Statute miles of rivers and likes ---- 5.4

*Approved & forwarded:
 Robert W. Kner.
 Comdg Ship Surgeon.*

Respectfully submitted,

A.C. Thorson

A.C. Thorson, H. & G.E.

*Forwarranted Apr. 2, 1941
 Gen. L. Brian*

Officer in Charge,
 Seattle Processing Office.

Remarks.

Decisions

1		590 380-385
2		
3	Do not link Pending U.S. B. decision	590 380-385
4	For title	585 375-380
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GEOGRAPHIC NAMES

Survey No. **T6762**

GEOGRAPHIC NAMES											
Survey No. T6762											
Name on Survey											
	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K		
<u>Grand Plateau Glacier</u>											1
<u>Gulf of Alaska</u>											2
Grand Plateau River											3
<u>Cape Fairweather</u>											4
											5
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Names underlined in red approved by L. Heck on 8/18/41											7
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M 234-

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTATION~~

~~March~~

No. T T6762

received April 10, 1941
registered April 26, 1941
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	T. B. Reed
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✓ JBR

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY REGISTER NO. 6762 (1940)

FIELD NO. C-40

Alaska; Gulf of Alaska; North of Cape Fairweather
Surveyed in August 1940, Scale 1:20,000
Instructions dated February 2, 1940 (SURVEYOR)

Plane Table Survey

Aluminum Mounted

Chief of Party - R. L. Schoppe
Surveyed and inked by - A. C. Thorson
Reviewed by - J. A. McCormick, September 18, 1941
Inspected by - H. R. Edmonston

1. Adjoining Surveys

Satisfactory junctions were effected with T-6761 (1940) on the south, T-6763 (1940) on the north and with form line survey T-4958 (1940) on the east.

2. Previous Surveys

The Alaska-Canada Boundary Survey, T-2846 (1906), overlaps the present survey from the northern limits to approximate Lat. $58^{\circ} 58.5'$. There are no other surveys of the area registered in this office. At Lat. $59^{\circ} 00'$, shoreline of the present survey is approximately one mile southwest of that shown on T-2846. A quarter mile inside the present shoreline the terminal moraine of Grand Plateau Glacier rises to heights of over 400 ft. Attributing the differences to glacial action would mean acceptance as fact the piling up of a 400-ft. moraine $3/4$ mile outside the 1906 shoreline. It is more probable that the phototopographic methods used on T-2846, although found to be fairly accurate for mountain peaks, were not particularly adapted to accurate shoreline location, especially at the outer limits of the sheet as in the present case.

3. Comparison with Chart 8002 (New Print of Jan. 8, 1941)

Shoreline beyond the limits of T-2846 (1906) is charted from unidentified sources (probably old exploration maps). Discrepancies are of the same order as those noted for T-2846.

4. Condition of Survey

Satisfactory.

5. Compliance with Project Instructions

Excellent.

6. Additional Field Work Recommended

None.

7. Superseded Surveys

T-2846 in part

Examined and Approved:



Chief, Surveys Section



Chief, Division of Charts



Chief, Section of Hydrography



Chief, Division of Coastal
Surveys