

6628

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Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Registry T - 6628 Sheet No. Field E - 30
State S. E. Alaska	
LOCALITY	
Glacier Bay	
Bartlett Cove	
193 8	
CHIEF OF PARTY	
H. Arnold Karp	

Applied to drawing of Chart 8304 - 12/13/37 - JSL
" " " " " 8202 3/7/40 JSL
Applied to dng. 8306 as overlap from 8304 4/11/40 JSL

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

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

Field No. 4E-38

REGISTER NO. T - 6628

State S.E. Alaska

General locality Glacier Bay

Locality Bartlett Cove

Scale 1:10,000 Date of survey July, 19 38

Vessel M. V. WESTDAHL

Chief of party H. Arnold Karc

Surveyed by D. H. Konichak

Inked by D. H. Konichak

Heights in feet above H.M.L. to ground to tops of trees -

Contour, Approximate contour, Form line interval 200 feet -

Instructions dated March 10, 1938, 19

Remarks:

General Information to Accompany All 1938

Topographic Sheets.

Declinatoire and Alidade # 209 was used on all topographic sheets executed in 1938 which includes sheets having field no's, A-38, B-38, C-38, D-38, E-38, F-38, and G-38. Declinatoire #209 was standardized at the Green Lake Magnetic Station at the beginning and at the end of the 1938 field season. The correction was found to be $1^{\circ} 07'$ W. This value depends upon the standardization of compass declinometer # H-19 using a provisional index correction of +5.2 to E declination (see Director's letter 40 - C R S dated Oct. 27, 1938) Standard methods were used for standardization of both the declinometer and the compass declinatoire.

Heights of islands and rocks were obtained as follows: Heights of rocks covered at all stages of the tide were obtained by measuring the depth to which the telemeter rod was covered when held on the rock, and the time noted. Heights of objects bearing at some stages of the tide, but covered at other stages were obtained by estimating the amount bare at the particular time and noting that time. Heights of objects bare at all stages of the tide were obtained by estimating the height above H.W.L.

All estimations of height were made with a direct comparison with the length of the telemeter rod, and where practical these heights were checked by depression or elevation angles taken with the alidade by determining the height of instrument from observations on the water surface at the time the other heights were taken.

Approximate elevations were noted in some instances and were specified to be approximate elevations on the sheets concerned.

Descriptive Report to Accompany Topographic

Sheet No. Registry T-6628, Field E - 38

Glacier Bay - Bartlett Cove, Alaska.

(a) Data of Instructions:

Work was done under instructions from the Director ✓
dated March 10, 1938. Project H T - 221.

(b) General Description:

The land in the vicinity of Bartlett Cove is low
and heavily wooded. The only objects that would be of use to ✓
the mariner are the abandoned buildings on the north side of
the cove. These buildings can be seen from some distance down
Glacier Bay.

(c) Landmarks:

There are no landmarks. ✓

(d) Character of Control Used:

Triangulation executed in 1938 was used for control,
as described in the 1938 triangulation and season reports. ✓

(e) Closing Errors of Traverses Run:

The control points were numerous enough to ✓
eliminate any extensive traverses, and there were no errors in
the topography. No adjustment was necessary

(f) Description of Auxiliary Survey Methods: ✓

There were none.

(g) Form Lines:

The instructions did not require form lines on this sheet. A 1:80,000 form line sheet is in the process of being made. ✓

(h) Changes in Topography:

The only survey information available to the field personnel is the photographic reduction map made by the Alaska-Canada Boundry Survey in 1907. ^{T-2852} This map seems to be fairly accurate in the immediate vicinity of Bartlett Cove but it is on a scale of approximately 1:80,000 and therefore no attempt was made to compare it closely with the 1938 work. ✓

(i) Completeness and Reliability:

All topography is complete and reliable. The junctions between the sheets done in 1938 have been checked. ✓

(j) Methods used in Surveying:

The methods of surveying conformed to standard practice. ✓

(k) Junctions with Previous Work:

The only junctions are those with the other 1938 sheets, all of which are satisfactory. ✓

(1) Geographic Names:

The names Glacier Bay, Bartlett Cove, and Beardslee Islands are well established names and were taken from chart # 8306. ✓

Bartlett Island is one of the Beardslee Island group and was named after the Cove. ✓

End Island and End Cove should have a name designation and it was thought that the location of the Island and the Cove suggested "End". There is a complete lack of local names or designations for features in Glacier Bay, as it is so seldom used. The low, wooded nature of the ground leaves little opportunity for the use of names which describe geographic features.

(m) Comparison with Old Surveys:

Covered in section (h) of this report. ✓

(n) Character of Marshes and Low Lying Ground:

All marshes and low lying ground surveyed are indicated fully by symbol on the sheet. ✓

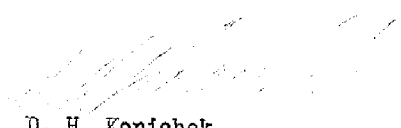
(o) Statistics:

Sheet No. Registry T - 6628

Field E - 38

11.2 Statute miles of shore line.

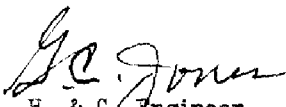
Respectfully Submitted,



D. H. Konichek

Aid

Approved and forwarded:



H. & G. Jones
H. & G. Engineer
Chief of Party

	Remarks	Decisions
1		580355
2	Referred to DGN: not not ink pending decision	"
3		"
4		" USGB
5	Referred to DGN: do not ink pending decision	"
6	Not submitted- of no apparent importance.	"
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GEOGRAPHIC NAMES

Survey No. T-6628

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.
Beardslee Islands									1
Lester Bartlett Island			U.S.G.B. 5/27/42						2
Bartlett Cove									3
Glacier Bay									4
Terminal End Island			Anthony I - U.S.G.B. 5/27/42						5
End Cove									6
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Names underlined in red approved

by L. Heck on 7/5/39

Also 7/9/42

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~RECORDS SECTION~~

~~NO. T~~

No. T -6628

received **Mar. 18, 1939**
registered **June 19, 1939**
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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✓ *TBR*

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6628 (1938) FIELD NO. E

Bartlett Cove, Glacier Bay, S. E. Alaska
Surveyed in July, 1938, Scale 1:10,000
Instructions dated March 10, 1938 (WESTDAHL)

Plane Table Survey

Aluminum Mounted

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

1. Junctions with Contemporary Surveys

The junction with T-6627 (1938) on the southeast is satisfactory. The survey on the northwest and a 1:80,000 scale form line survey of the general area were retained in the field for completion during the 1939 season.

2. Comparison with Prior Surveys

T-2852 (1907), 1:80,000

The original of this survey is in the files of the Boundary Commission. Comparison was made with a reduced photographic copy. Because of its small scale, the old survey is considerably generalized but its principal features are in fair agreement with those on the present work. T-2852 should be superseded by the present survey in future charting of the common area.

3. Comparison with Chart 8306 (New Print dated April 13, 1939)

Within the area of the present survey the chart is based entirely on the survey discussed in the preceding paragraph.

4. Condition of Survey

- (a) The descriptive report satisfactorily covers all items of importance.
- (b) The field drafting is satisfactory.
- (c) The magnetic note inked on the sheet states that a needle error of 1°07' W. was not applied. It is assumed that the field draftsman meant needle correction (discussed as such in descriptive report, General Information) and that the magnetic

meridian is 1°07' too far to the east. The note has been revised accordingly.

- (d) Penciled low water line transferred in the field from contemporary hydrographic surveys has been left on the sheet. Such transfers are neither necessary nor desirable.

5. Compliance with Instructions for the Project.

Satisfactory.

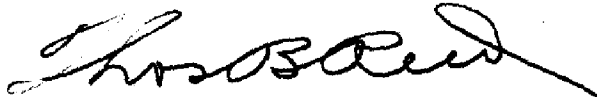
6. Additional Field Work Recommended

None.

7. Reviewed by - J. A. McCormick, June 22, 1939.


Inspected by - H. R. Edmonston

Examined and approved:



T. B. Reed,
Chief, Section of Field Records

K. T. Adams
Chief, Division of Charts



Fred. L. Peacock
Chief, Section of Field Work



G. W. Hilde
Chief, Division of H. & T.