

6459 ✓

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. PATTON, Director

U. S. COAST & GEODETIC SURVEY
LIBRARY

APR 21 1936

State: ALASKA

Acc. No. —

DESCRIPTIVE REPORT

Topographic
Hydrographic

Sheet No. K - D - 35

LOCALITY

SOUTH SIDE - AKUTAN ISLAND

ALEUTIAN ISLANDS

1935

CHIEF OF PARTY

A. M. SOBIERALSKI, H. & G. E.

6459

^{drawing of}
Applied to Chart No. 8860

S.B. Maize Jan 15 1937

Applied to drawing of Chart No. 8802

S.B. Maize June 1937

(extended)

Applied to new compilation of Chart No. 9007, B.P. Aug. 1938

Applied to compilation of chart 8720

g.H.S.

Mar. 1943

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. K - D - 35 6459

REGISTER NO.

State ALASKA
General locality ALEUTIAN ISLANDS¹⁴
Locality SOUTH SIDE - AKUTAN ISLAND²²
Scale 1:20,000 Date of survey JUNE - JULY, 1935
Vessel U. S. C. & G. S. S. SURVEYOR
Chief of Party A. M. SOBIERALSKI
Surveyed by H. C. APPLEQUIST
Inked by H. C. APPLEQUIST
Heights in feet above H W to ground ~~to tops of trees~~
~~Contour, - Approximate contour,~~ Form line interval 100 feet
Instructions dated APRIL 13, 1934
Remarks: _____

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET K-D-35 - AKUTAN ISLAND
SEASON - 1935

U. S. C. & G. S. S. SURVEYOR

-o-

A. M. SOBIERALSKI, COMMANDING

Authority:

This survey was made under the Director's Instructions dated April 13, 1934.

Extent:

This sheet covers the south side of Akutan Island from Battery Point to the beach in Flat Bight, north of Cape Morgan.

General Description:

This area is mountainous and covered with grass and moss excepting the cliffs, slides, rocky outcrops and some of the higher hills which are rocky. Cliffs are general along the shoreline. The rocky coasts are bordered with rocks and fringed with kelp.

Battery Point is a prominent headland with steep, high cliffs. The hill on the point is 1623 feet high and from the southeast has somewhat the appearance of a bell.

Broad Bight just west of Battery Point is an open body of water exposed to the south and southwest. The head has a sand and gravel beach about $1\frac{1}{2}$ miles long. A small stream enters the bight at the western end of the beach. Back of the beach is a fairly wide valley extending back about two miles.

Cascade Bight, just west of Broad Bight and separated from it by a small point with high steep cliffs, is about $\frac{3}{4}$ of a mile across. It has a sand and gravel beach backed by a valley extending back about two miles.

Cape Morgan is a prominent headland with steep, high cliffs intersected by conspicuous dikes of harder material and different coloring, and several offlying rocks.

The Triplets are a group of three pinnacle rocks from 8 to 15 feet in elevation which lie in Akutan Pass 680 yards in a W.S.Wly direction from the tip of the point.

* charted as Triplet 13

(K13)

Method of Survey:

The plane table and stadia were used with no deviation from standard methods. The traverses closed well within the allowable limits.

Junctions:

A satisfactory junction, both of contours and shoreline was made to the east with topographic sheet K-E-34.

This sheet ^{join} joins topographic sheet K-C-35 on the north. Junction was made at \odot Tom with a discrepancy of about 12 meters in distance, well within the allowable limit, which was distributed proportionately to the two sheets.

Names:

No new names have been suggested for any features on this sheet.

The bay west of Battery Point, noted on the charts as Sarana Bay, is known locally only by the names of its two Bights, namely, Broad and Cascade Bights. The name Sarana Bay is applied locally to the Bay about 1/2 mile east of Battery Point shown on the charts as Vulcan Cove. Information from McGlashan, a resident of Akutan, and so shown on survey by U. S. Geological Survey.

Comparison with Hydrographic Sheet:

The hydrographer and topographer collaborated in comparing the offshore detail shown on this sheet and the hydrographic sheet covering this area.

Statistics:

Statute miles of shoreline..... 14.
Area in square statute miles..... 17.

Respectfully submitted,

H. C. Applequist
H. C. Applequist, Aid.

Approved & Forwarded:

A. M. Sobieralski
A. M. Sobieralski
Commanding Officer,
U. S. C. & G. S. SURVEYOR

Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No. **T6459**

GEOGRAPHIC NAMES											
Survey No. T6459											
Name on Survey	On Chart No. 8860										
	A	B	C	D	E	F	G	H	K		
Akutan Island ✓	*			✓	✓		✓	✓	✓	1	
Flat Bight ✓	*				✓					2	
Cape Morgan ✓	*									3	
Akutan Pass ✓	*				✓		✓		✓	4	
Cascade Bight ✓	*			✓		✓				5	
Sarana Bay ✓	*			✓	✓	✓	✓		✓	6	
Broad Bight ✓	*			✓		✓				7	
Battery Pt. ✓	*				✓		✓		✓	8	
Pacific Ocean ✓	*				✓		✓	✓	+	9	
Triplet No Rocks ✓	*			✓						10	
NHC 8/27/36										11	
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Names underlined in red approved by [signature] on 6/8/36

M 234

Names underlined in red approved
by *[Signature]* on 6/8/36

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

~~No. H~~

No. T **6459**

received APR 21 1936
registered MAY 20 1936
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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✓ 25		<i>SKL D J</i>	
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RETURN TO

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G. K. Green

REVIEW OF TOPOGRAPHIC SURVEY No. 6459

Title (Par. 56) *South Side - Akutan Island, S.W. Alaska*Chief of Party *A.M. Sobieralski* Surveyed by *H.C. Applegquist* Inked by *H.C. Applegquist*Ship *Surveyor* Instructions dated *April 13, 1934* Surveyed in *June-July 1935*

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.) ✓
5. The delineation of ~~contours~~ ~~formlines~~ is satisfactory. (Par. 49, 50.) ✓
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.) *None Submitted*
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.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

See Reverse Side

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.)

No trees in this area - Grass Line not shown

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.

Paragraph 9

T2545 (1901)

The present survey agrees with T2545 in a general way. The present survey, being on a much larger scale, shows much more detail as to shore line, islets and rocks.

T6459 should supersede T2545 in part.

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 aero-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 DP's, 68.) *6 cards submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *No note of having checked declination*
Declination at Δ Triplet 3°30' East of that at Δ Broad
18. The geographic datum of the sheet is *Unalaska (unadjusted)* and the reference station is correctly noted. (Par. 34.) ✓
Values from Field Computations Used.
19. Junctions with contemporary surveys are adequate. ✓
Join to T 4919 (1934) on the East
Join to T 4932 (1935) on the West
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) *Rock symbols are too small*
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:

Reviewed in office by *Chas. P. Bush Jr.* June 11, 1936.

Examined and approved:

C. K. Green
Chief, Section of Field Records
L. O. Lobbert
Chief, Division of Charts

Frederic L. Peacock
Chief, Section of Field Work
G. H. Hude
Chief, Division of Hyd. and Top.