

~~CONFIDENTIAL~~

6594

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

DESCRIPTIVE REPORT

Topographic }
~~Hydrographic~~ } Sheet No. UA-37 T6594

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

APR 19 1938

Acc. No. _____

State Aleutian Islands
~~ALASKA~~

LOCALITY

~~ALEUTIAN ISLANDS~~

UNALASKA ISLAND

KULILIAC BAY

1937

CHIEF OF PARTY

A. M. SOBIERALSKI

U. S. GOVERNMENT PRINTING OFFICE

DECLASSIFICATION BY NOAA

PURSUANT TO DOC SYSTEMATIC REVIEW

GUIDELINES AS DESCRIBED IN SECTION

3.3 (a), EXECUTIVE ORDER 12356

Applied to Chart Comp. 9022 November 17, 1938. H.E. MacEwen.

Applied to Chart Comp. 9020 Aug. 1939. L.A. M.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYU. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

APR 20 1938

REG. NO.

TOPOGRAPHIC TITLE SHEET

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 UA-37 T-6574

REGISTER NO.

State ALASKA ALEUTIAN ISLANDSGeneral locality UNALASKA ISLANDLocality KULILIAK BAYScale 1:10,000 Date of survey June - July, 19 37Vessel U. S. C. & G. S. S. SURVEYORChief of Party A. M. SOBIERALSKISurveyed by J. C. Tison, Jr.Inked by J. C. Tison, Jr.Heights in feet above M. H.W. to ground ~~to tops of trees~~~~Contour~~ ~~Approximate contour~~ Form line interval 100 feetInstructions dated April 13, 19 34Remarks: Form lines for area covered by this sheet areshown on Sheet UE-37. (T-6600)

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET UA - 37 *F-6594*

KULILIAK BAY

SEASON 1937

INSTRUCTIONS

The work was executed under the Director's Instructions dated April 13, 1934.

EXTENT OF SURVEY

The sheet covers all of the shoreline detail for the inner part of Kuliliak Bay, the entrance to the inner Bay, and shoreline of the outer Bay immediately adjacent to the entrance.

GENERAL DESCRIPTION

The shores of the inner Bay are lined with grass bluffs and low sections of rock cliff, with grassy hills immediately beyond. The curving pebble beach to northwest of the entrance is rimmed by a low grass bluff from five to fifteen feet high. On top this bluff near its center is located a small trapper's shack, the southeast gable of which is Δ station GAB 1935. From the beach westward to Kashega Bay extends a low wide valley, through which fog often drifts and winds always draw in northerly or westerly weather. A foot trail through the valley to Kashega Village begins just back of the shack.

The shoreline on both sides of the entrance and on the north side of the Bay, northeastward to Nesting ~~Island~~ *Isk* is very rocky, and characterized by many rocky reefs, rocks awash, heavy kelp, and numerous sunken rocks outside the high water line. The kelp is not so noticeable immediately after any heavy southerly weather, it having been torn up in great quantities by seas which come through the entrance. The beach in the upper part of the Bay and along its southeast shore is very narrow, and in most places drops off steeply into deep water.

Williwaw (sub. to USGB)
The beach along the shores of ~~Sand~~ Point is composed of fine white sand, and the low dunes located near the extremity of the point are sparsely covered with coarse grass.

The sides of Canyon Cove are very steep, and a low narrow draw extends from the head of the cove southward to the outer Bay.

In northerly and westerly weather violent "willi-waws" occur in that part of the Bay above ~~Sand~~ Point.

Williwaw

CONTROL

Second and third order triangulation stations, established in 1935, furnished control for the survey.

SURVEYING METHODS

Plane table positions by solution of the three point problem, and a combination of traversing and resecting was used extensively throughout the survey. All traverses run were short and required no adjusting.

All off-lying features were located either by direct rod readings or by intersecting cuts giving a strong location.

FORM LINES

All form lining for the area covered by this sheet was done on Topographic Sheet UE-37, ^(7-6600 8927) to a 1:20,000 scale.

JUNCTIONS WITH OTHER SURVEYS

This sheet joins Topographic Sheet UE-37 on the south. A satisfactory junction was accomplished along the shoreline at signals NOW and OLD.

Hydrographic work executed on Hydrographic Sheet #1137 ^{H.6241(1937)} showed no disagreements with topographic detail as shown on this sheet.

NAMES

The name Kuliliak Bay is from Chart #9196.

The following new names, which have not hitherto appeared on charts, were assigned during the past season while executing the survey:

Repetition Pt (submitted to USGB)

1. Point Divide - to the narrow point or ridge of land lying on the east side of the entrance to the inner Bay, and which divides the Bay into its outer and inner parts.

2. Dome Rock - to the large dome shaped rock located offshore on the east side of the entrance to the inner Bay. The rock is the most southwesterly of a conspicuous group which extends in a southwest direction from the tip of Point Divide.

3. Entrance Rock - to the highest point of the large black rock located 70 meters out from the base of the cliff on the west side of the entrance to the inner Bay. This sharp point of the rock is triangulation station ENTRANCE ROCK 1935.

Perch (submitted to USGB)

4. Bird Rock - to the small black rock on the west side of and just inside the entrance to the inner Bay. The rock is only about one foot above high water, but is so surrounded by kelp that seas rarely break over it. The name was suggested by the fact that birds are always sitting on the rock.

SUPPLEMENTARY NOTE

to accompany

DESCRIPTIVE REPORT

TOPOGRAPHIC SHEET FIELD NO. UA - 37. T-6594

DELINIAION OF ROCKY LEDGES OR REEFS:

The conventional symbol for rocky ledges or reefs is not used on this sheet. A dashed line to show the outer limits of reefs bare or awash at any stage of tide is used instead. This dashed line is the low water line.

Reefs indicated on this sheet appear to be the result of lava flow. They are generally flat but rough on top with clearly defined edges dropping off abruptly into varying depths of water. This characteristic made it possible to outline all reef limits with actual rod readings taken in the field. The limits were easily identifiable regardless of stage of tide.

Those reefs or ledges which line the shoreline slope very gradually upward toward the high water line from their outer edges, which are generally awash at MLLW. Broken rocks and boulders are strewn on the reefs in the vicinity of the highwater line, forming a rocky beach.

Offshore reefs are consistently level on top and are just awash at MHW unless otherwise indicated.

Respectfully submitted:

James C. Tison, Jr.
James C. Tison, Jr.,
Jr. H. & G. E.

Approved and forwarded:

A. M. Sobieralski
A. M. Sobieralski,
Chief of Party.

Remarks.

Decisions

1		USGB decision
2		see H-6241
3	Assigned by Field Party - Objection too many duplications - a desc. term	sub. to USGB
4	Assigned by Field Party - A Rock or Islet (Elev. 15')	submitted to USGB
5	Assigned by Field Party (might be considered a part of Repetition Pt.)	Submitted to USGB submitted to USGB
6	Assigned by Field Party	Submitted to USGB see T-6600
7	Assigned by Field Party (Duplications Bird I & Bird Rk)	submitted to USGB 6/8/38
8	Assigned by Field Party - a desc. term	submitted to USGB
9	Assigned by Field Party (Entrance as a name used much but with other features)	
10	Assigned by Field Party - a desc. term	submitted to USGB
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GEOGRAPHIC NAMES

Survey No. T-6594

GEOGRAPHIC NAMES		Survey No. T-6594									
Name on Survey	On Chart No. 8802, 9196										
	A	B	C	D	E	F	G	H	K		
✓ <u>Unalaska Island</u>	✓									1	
✓ <u>Kuliliak Bay</u>	✓									2	
Williwaw Point * <u>Williwaw Pt.</u>			USGB decision May, 1939							3	
Sand Point * <u>Nest Rock</u>			USGB decision May, 1939							4	
Nesting Island * <u>Trava Point</u>			USGB decision May, 1939							5	
Pampas Point * <u>Repetition Pt</u>			USGB decision May, 1939							6	
Point Divide * <u>Perch Rock</u>			USGB decision May 1939							7	
Perch Rock * <u>Dome Rock</u>			USGB decision May, 1939							8	
Entrance Rock			close to shore Δ sta "Entrance Rk"								9
<u>Canyon Cove</u> *			USGB decision May 1939							10	
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Names underlined in red approved

by GFE on 6/8/38

M 234

Names underlined in red approved
by gfe on 6/8/38

* Note: Names submitted to USGB not to be inked or applied to gvs until decisions are rendered.

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTO STATION OF

~~NOXXH~~

No. T-6595

received April 19, 1938
registered May 24, 1938
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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✓ *W302*

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6594 (1937) FIELD NO. UA-37

Kuliliak Bay, Unalaska Island, Aleutian Islands

Surveyed in June - July 1937, Scale 1:10,000

Instructions dated April 13, 1934

Plane Table Survey

Aluminum Mounted

Chief of Party - A. M. Sobieralski.

Surveyed by - J. C. Tison, Jr.

Inked by - J. C. Tison, Jr.

1. Condition of Survey.

The survey is neat and legible and conforms to the requirements of the Topographic Manual except as follows:

- a. Definitely located rocks shown by the rock awash or sunken rock symbol were encircled by dashed lines instead of the prescribed dotted lines (Par. 39). These were not changed in the office.
- b. Some of the geographic names were inked by the field draftsman instead of being left in pencil for verification in the office (Field Memorandum 4 of 1935).
- c. A dashed line, instead of the standard ledge symbol was used to represent the outer limits of ledges bare or awash at low water. (Par. 39 of Topographic Manual). The numerous sunken rock symbols appear to define the limits of foul area. These symbols were not altered in the office, but an explanatory note was placed on this topographic sheet, together with the following additional note: "Features outside of the high water line shall be charted from H-6241 (1937)", which was inked in accordance with standard practice.

The Descriptive Report is clear and satisfactorily covers all matters of importance.

2. Compliance with Instructions for the Project.

The survey satisfies the instructions for the project.

3. Junctions with Contemporary Surveys.

This survey is surrounded on all sides by T-6600 (1937) scale 1:20,000. The junction is satisfactory. Form lines and elevations within the area of this survey have been shown on T-6600 (1937).

4. Comparison with Prior Surveys.

No prior topographic surveys have been made by this Bureau in this area.

5. Comparison with Chart No. 9196 (New Print dated Feb. 3, 1938)

a. Topography.

Topographic information shown on the chart originated with Russian authority. The small scale makes detailed comparison with the present survey of little value. The chart shows no information in this area which needs to be retained.

6. Field Drafting.

The field drafting is excellent.

7. Additional Field Work Recommended.

This survey is complete and no additional work is required.

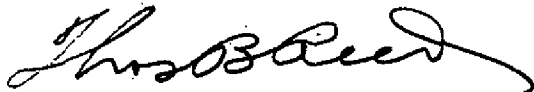
8. Superseded Prior Surveys.

There are no prior surveys made by this Bureau within the limits of the present survey.

9. Reviewed by - Leo S. Straw, August 20, 1938.

Inspected by - E. P. Ellis.

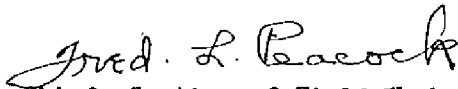
Examined and approved:



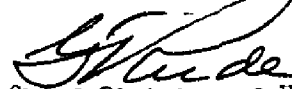
T. B. Reed,
Chief, Section of Field Records.



K. T. Adams,
Chief, Division of Charts.



Fred. L. Bacoek,
Chief, Section of Field Work.



G. H. de,
Chief, Division of H. & T.