

~~CONFIDENTIAL~~

6597

CONFIDENTIAL

Form 504 Rev. April 1935 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. <u>UH-36</u>
<div style="border: 1px solid black; padding: 5px; text-align: center;">U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES APR 19 1938 Acc. No. _____</div>	
State <u>Aleutian Islands</u> ALASKA	
LOCALITY <u>Unalaska Island</u> ALEUTIAN ISLANDS	
SOUTHWEST END OF UNALASKA ISLAND	
193 6	
CHIEF OF PARTY <u>A.M. Seberalski</u>	

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 drawing of Chart 8802 - June 18, 1938 - J.W.
" " Chart Comp. 9021 - Oct. 1938 G. Rieyari
Applied to Chart comp. 9020. May, 1940. 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 UH - 36

REGISTER NO.

State ~~ALASKA~~ Aleutian Islands
General locality ~~ALEUTIAN ISLANDS~~ Unalaska Island
Locality SOUTHWEST END OF UNALASKA ISLAND
Scale 1:20,000 Date of survey July - August, 1936 & 37
Vessel U.S.C. & G.S.S. SURVEYOR
Chief of Party A.M. SOBIERALSKI
Surveyed by JOHN C. ELLERBE
Inked by JOHN C. ELLERBE
Heights in feet above MHW to ground to tops of trees
Contour ~~Approximate contour~~ Form line interval 100 feet
Instructions dated April 13, 1934
Remarks: This sheet was partially done during season 1936;
finished during season 1937

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET UH - 36

PROJECT NO. HT-176

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

A. M. SOBIERALSKI, Cmd'g.

AUTHORITY

Director's instructions dated April 13, 1934. ✓

CONTROL

Triangulation executed by the parties of A. M. Sobieralski ✓
in 1936.

EXTENT

This sheet covers the southwestern tip of Unalaska Island, extending to Surveyor Bay on the south side. The survey covers shoreline, ✓ rocks, off-lying islands, and form lines from one to two miles inshore.

GENERAL DESCRIPTION

The land to the northeast of the southwest tip of the island is characterized mainly by gently rising, rolling slopes, merging into very steep slopes above the 1000 foot elevation. T. station LONE PEAK, 1936, on the peak of the hill, given that name by the survey party, is about $1\frac{1}{2}$ miles inshore and is very prominent. ✓

The southwestern tip of the island (called West End by the survey party) is somewhat of a promontory, since a deep valley, almost cutting it off from the rest of the island, extends from a shallow bay on the north side to a like bay on the south side. This tip, which rises gradually from the shoreline to a height of 420 feet, is a little over a mile in length, and is characterized by grassy, rolling slopes. ✓
(Konets Head is approved name)

Eastward from the first bay on the southwest side, the land is characterized by precipitous bluffs rising from 100 to 250 feet and merging into rolling, grass-covered country. These bluffs are cut in numerous places by deep, wide valleys, especially at the inner ends of the several shallow bays in this stretch. ✓

All of the land area covered by this survey, with the exception of Lone Peak, is grass covered, and is used for grazing lands for sheep and cattle. ✓

Emerald Island (so named by the survey party) is a small, round island about 200 feet high, lying about one mile south of the southwest end. It is grass covered and shows very green during the summer season. This island is very prominent from the southeast and northwest, but merges into the background of higher ridges on Unalaska ✓

Island when viewed from the southwest.

Practically all of the shoreline, over the entire length of this sheet, is characterized by fairly wide reefs extending out from the high water line. Outside of this reef, large patches of kelp extend as far eastward as T. station QUIRE. To the eastward of T. station QUIRE, kelp was found in isolated spots, though later observations by the hydrographic party would indicate that there was a general thick growth under water, which did not appear on the surface until very late in the season. All reefs in this area are bare from 1 to 4 feet at MLLW.

PROMINENT FEATURES

The most prominent feature in this vicinity is Lone Peak (so named by the survey party), a bare, rocky, hogs-back ridge, rising 1847 feet, and running in a northeast-southwest direction.

From the northwest and southeast, Emerald Island is fairly prominent, but blends into the background of higher hills on Unalaska Island when seen from the southwest.

CHARACTER OF CONTROL

Adequate control for this survey was furnished by triangulation executed in 1936.

CLOSING ERRORS OF TRAVERSES RUN

A traverse was begun at T. station SHORE, on the northern side of the sheet and carries along the beach as far as two set-ups east of T. station QUIRE, where it was broken because of lack of time during the season of 1936. The traverse was picked up again in 1937 at T. station QUIRE, checking the detail already obtained east of that station, and continued eastward to T. station TIME, on the eastern end of the sheet. All the triangulation stations en route were used as checks in passing, with error so small as to be negligible. The traverse closed flat on T. station TIME.

The table was set up on T. station SUD and the entire east side of Emerald Island rodded in from that position. Likewise, the entire western side of the island was rodded in from a set-up on T. station DIM. All possible cuts to objects on Unalaska Island were taken from these two set-ups and used as aids to check the long traverse run along the shoreline of that island.

All possible cuts to outstanding geographic features on Unalaska Is. were taken and elevations for form lines computed therefrom. Form lines were sketched between the elevations obtained.

COMPARISON WITH PREVIOUS SURVEYS

On chart 8802, a group of rocks are shown off the west end of the Island, three of which run in approximately an east-west direction while a fourth lies about two miles to the southward. Polivnoi Rock, shown as a rock awash, is the western one of the group, and appears on Topographic Sheet Field No. UK-36. All other rocks in this vicinity are shown in their proper positions on this sheet.

Surveys adjoining the present one have already been applied to latest prints. Polivnoi Rock is now shown correctly. Present survey adequately covers the area.

JUNCTIONS WITH OTHER SURVEYS

On the north, this sheet joins satisfactorily with work done on sheet UF-36, season 1936.

T-4937

On the southeast, this sheet joins satisfactorily with work done on sheet UL-36, season 1936.

T-6552

ANCHORAGES

There are no anchorages on this sheet suitable for large craft. ✓

Small craft may find fair shelter from southeasterly weather in the small bay one mile east of, and on the northern side of, the western tip of the island. Of, if on the south side of the island, in this vicinity, and it is not desired to go through the tide rips in Umnak Pass, temporary shelter from southeast weather may be found just outside the kelp about 300 yards northeast of T. station DIM. ✓

Fair shelter from northerly weather may be found in the bight $1\frac{1}{2}$ miles southeast of the southwest tip of Unalaska Island. ✓

NEW GEOGRAPHIC NAMES ✓ GHE

Emerald Island - A small island about 1 mile south of the southwest end of Unalaska Island. During the summer months, this island, which is about 200 feet high, and entirely grass-covered, is a brilliant green in color, hence the name assigned by the survey party. It is recommended that this name be adopted officially, since the island is unnamed at the present time. ✓

West End - The westernmost tip, a sort of a promontory, of Unalaska Island, 428 feet high. It is plainly visible from the south, but is cut off by S.W. End from the East, and blends into the higher background from the west. The name West End is recommended for this feature. ✓

Konets Head
approved.

Southwest End - This name appears on Chart 8802 and obviously refers to the point at T. station PATH, 1936. This point is distinguished by a low but definite hill (397 feet) and a group of rocks extending about $\frac{1}{2}$ mile offshore. The point and rocks are plainly visible from the southeast, cutting off West End, but from other directions are vague due to higher land inshore. ✓

Not approved.

MAGNETICS

Magnetic observations with the compass declinometer were obtained during the 1936 season at triangulation station WEND. Results are included in a separate report on magnetics. ✓

Observations with the declinatoire were obtained as specified in Special Publication #144. ✓

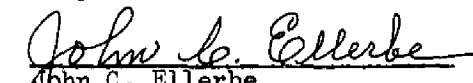
DATUM

This survey was done ^{on} Unalaska, ~~1901~~ datum. ✓

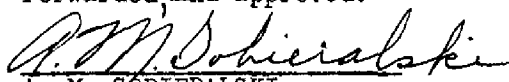
STATISTICS

Statute miles of shoreline 27.4
Area in square statute miles 14.5
Number of elevations obtained. 104

Respectfully submitted:


John C. Ellerbe
Jr. H.&G.E.

Forwarded, ~~and~~ approved:


A. M. SOBIERALSKI
H.&G.E., Chief of Party
Cmd'g. SURVEYOR

Remarks.

Decisions

1		see T-4937
2		USGB decision
3	Assigned by Field Party	submitted to USGB
4	" " "	submitted to USGB
5	On previous editions of 8802	
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GEOGRAPHIC NAMES

Survey No. T-6597

GEOGRAPHIC NAMES											
Survey No. T-6597											
Name on Survey											
	A, On Chart No. 8802	B, On previous survey No.	C, On U. S. quadrangle Maps	D From local information	E Bakers Dict. On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K		
<u>Unnak Pass</u>	✓									1	
<u>Unalaska Island</u>	✓									2	
<u>West End</u> <u>Konets Cape</u> <u>Head</u>										3	
<u>Emerald Island</u>										4	
<u>Southwest End</u>										5	
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Names underlined in red approved											
by <u>WFE</u> on <u>5/3/38</u>											
M 234 <u>la</u>											

Names underlined in red approved

by WFE on 5/3/38

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTO STATION~~

~~No. 11~~
No. T-6597

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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✓ 70352

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6597 (1936-37) FIELD NO. UH-36

Southwest End of Unalaska Island, Unalaska Island, Aleutian Islands
Surveyed in July-August, 1936-37, Scale 1:20,000
Instructions dated April 13, 1934 (SURVEYOR)

Plane Table Survey.

Aluminum Mounted.

Chief of Party - A. M. Sobieralski.
Surveyed and inked by - J. C. Ellerbe.

1. Condition of Survey.

- a. The sheet is neat and legible and conforms to the requirements of the Topographic Manual.
- b. The Descriptive Report is complete and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The survey satisfies the instructions for the project.

3. Junctions with Contemporary Surveys.

The junctions with T-4937 (1936) on the north and T-6552 (1936) on the southeast are satisfactory.

4. Comparison with Prior Surveys.

This is the first survey of this area by this Bureau.

5. Comparison with Chart 8802 (New print dated Dec. 13, 1937).
Chart 9302 (New print dated Feb. 2, 1938).

a. Topography.

Charted information in this area is very sketchy and probably originates with old Russian surveys. It should be entirely superseded by the present survey.

b. Aids to Navigation.

There are no navigational aids in this area.

6. Field Drafting.

The field drafting is satisfactory.

7. Additional Field Work Required.

No additional field work is required.


8. Superseded Old Surveys.

There are no previous surveys of the area by this Bureau.

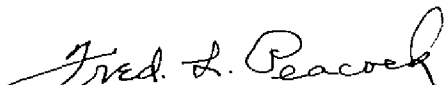
9. Reviewed by J. A. McCormick, Sept. 15, 1938.


Inspected by E. P. Ellis.

Examined and approved:


Thos. B. Reed
Chief, Section of Field Records

K. T. Adams
Chief, Division of Charts.


Fred. L. Peacock
Chief, Section of Field Work


Chief, Division of Hydrography
and Topography.