

6456

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

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. K. G. 35

U. S. COAST AND GEODETIC SURVEY
LIBRARY
APR 21 1936
Acc. No.

State Alaska

LOCALITY

Aleutian Islands

Ugamak and Aiktak Islands

1935

CHIEF OF PARTY

A. M. Sobieralski

U. S. GOVERNMENT PRINTING OFFICE

6456

Applied to drawing of Chart No. 8860

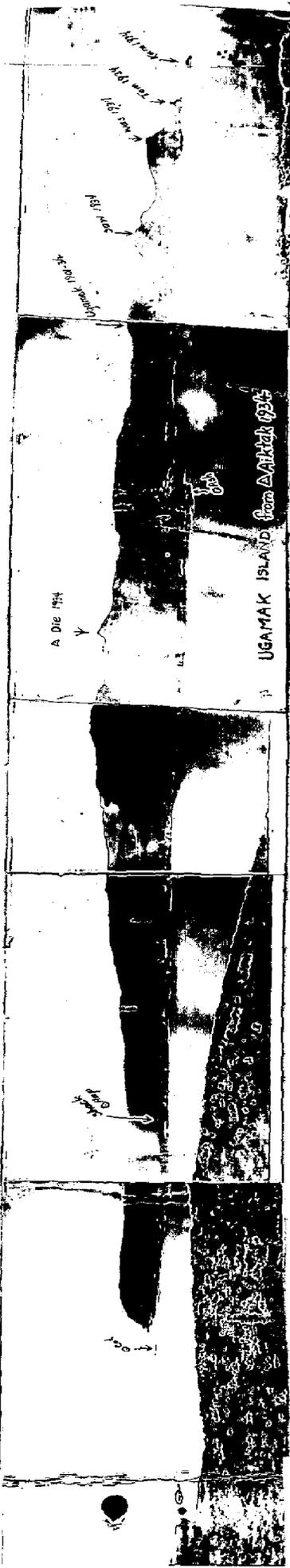
S. B. Maize Jan 15, '37

Applied to drawing of Chart No. 8802

S. B. Maize June 1937

Applied to compilation of chart 8720

J. H. S. Mar. 16, 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 G 35 6456

REGISTER NO.

State Alaska

General locality Aleutian Islands

Locality Ugamak And Aiktak Islands

Scale 1-20000 Date of survey August 1935, ~~1936~~

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

Chief of Party A. M. Sobieralski

Surveyed by C. J. Wagner

Inked by C. J. Wagner

Heights in feet above MHW to ground ~~to tops of trees~~

~~Contours, approximate contours~~ Form line interval 100 feet

Instructions dated April 13, 1934, 192

Remarks:

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET K F 35
Project H. T. 176

INSTRUCTIONS DATED: April 13, 1934 U. S. C. & G. S. SURVEYOR?
A. M. Sobieralski, Commanding.

EXTENT: This sheet covers all of Ugamak and Aiktak Islands,
Aleutian Islands, Alaska.

GENERAL DESCRIPTION OF THE COAST: Ugamak Island is rugged, with a sharp peak at the eastern end. This peak is 1041 ft. in elevation, and when viewed from the southeast several pinnacles protrude from the slope, giving an extremely rugged appearance. The highest part of the peak is triangulation station "Saw 1934", an intersection station. The western end of the island is more rolling and lower in elevation, the hill at the west end being 380 ft. in elevation. The island is generally tundra covered.

There is a pinnacle rock off the southeast end of the island which is 310 ft. high. This pinnacle is separated from the island by a narrow gorge from 10 to 15 meters wide.

Off the east end of the island there is an extensive area of thick kelp containing many rocks and rocks awash. Some of the rocks are as much as 300 meters offshore. There are two rocks awash south by east of the tall pinnacle on the southeast end of the island, the outer one being 420 meters from the pinnacle.

There is a group of rocks off the northwest end of the island, the outer ones being about 200 meters offshore.

The shoreline is backed by bluffs from about 50 to 1000 ft. high.

Aiktak Island is south of the west half of Ugamak Island and is separated from Ugamak Island by a pass about $\frac{1}{2}$ mile wide. Aiktak Island is about one mile long and one-half mile wide. The highest point on the island is 556 ft. Another hill on the southwest end is 409 ft. high. From both hills the slope is abrupt to the south, being sheer bluffs. The slope to the north from the hills is gradual and almost uniform down to the low bluffs on the north shore. The rocky, grass-covered islets off the west point of the island are all below 100 ft. elevation and have precipitous shores. The grass-covered islet of the east point of the island is below 100 ft. in elevation and is surrounded by rock ledges and small rocks.

Round Island lies about one-half mile south of the east end of Ugamak Island and the highest point is on the north and 127 ft. in elevation. While it appears to be one island from almost all directions, a deep gorge through the rock divides it into two islands.

PROMINENT FEATURES: Triangulation station "TOM 1934", a tall symmetrical pinnacle rock, 310 ft. high, is at the southeast point of Ugamak Id. and is prominent from the east and west.

CHARACTER OF CONTROL USED: Triangulation stations based on 1934 computations, were used to control the survey.

The field work was done by graphic triangulation and traverse.

TRAVERSES RUN AND HOW ADJUSTED: Traverse from Δ NORTH 1935 to \odot MID. No error. \odot MID was located by 3-point fix.

Traverse from \odot Mid to \triangle GAMO 1934. No error.
Traverse from \triangle GAMO 1934 to \odot DAN, and from \odot LAT to \odot DAN,
closed in the center without error.

Other short, one to two set-ups, traverses were run for additional
detail and were not closed.

DESCRIPTION OF AUXILIARY SURVEYING METHODS: The off-lying features were
located by graphic triangulation and stadia.

VERIFICATION OF FORM LINES FROM OFFSHORE: The form lining was accom-
plished by the topographer in the field by obtaining elevations to all
peaks and other objects which could be identified and located. It was
necessary to obtain some of the elevations from the launch WILDCAT with
sextant fixes and sextant angles of elevation. Three observers took
the sextant angles.

JUNCTION WITH FORMER^R OR ADJACENT WORK: There is no shoreline connection
with other sheets of 1935.

Sheet T-2546 covers the area covered by this sheet, but, as
T-2546 was done on a scale of 1-40000, no detailed comparison was made.
K G 35 was done on a scale of 1-20000 and should be used in compiling
a new chart.

NEW GEOGRAPHIC NAMES: No new names are assigned on the sheet. The names
shown were taken from Chart 8860.

PHOTOGRAPHS: The photographs included carry appropriate notes.

EVIDENCE OF CHANGEING: None noted.

CHARACTER OF MARSHES: No marshes in area covered by this sheet.

STATISTICS: Statute miles of shoreline - - - - - 24.2
Area in square statute miles - - - - - 6.0

Approved and forwarded:

A. M. Sobieralski
A. M. Sobieralski,
H. & G. Engr.,
Chief of Party.

Clifton J. Wagner
Clifton J. Wagner
Jr. H. & G. Engr.
C. & G. Survey.

Remarks

Decisions

	Remarks	Decisions
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GEOGRAPHIC NAMES
 Survey No. **T6456**

On Chart No. **8860**
 On previous survey
 On U. S. quadrangle **Chart Mags 8802**
 From local information
 On local Maps **Chart 9302**
US 1361
 P. O. Guide of Map
 Rand McNally Atlas
Geog. Dist List of Alaska

Name on Survey	A	B	C	D	E	F	G	H	K	
<u>Ugamak Island</u> ✓	*		✓	—	—	✓	✓	—		1
<u>Ugamak Bay</u> ✓	*		✓	—		✓		—		2
<u>Round Island</u> ✓	*			—						3
<u>Aiktak Island</u> ✓	*		✓	—			✓	—		4
<u>Ugamak Strait</u> ✓	*		✓	—		✓		—		5
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Names underlined in red approved
 by *(Signature)* on 6/8/36

REVIEW OF TOPOGRAPHIC SURVEY No. 6456

Title (Par. 56) *Ugarmak and Aiktak Islands, S.W. Alaska*Chief of Party *A.M. Sobieralski* Surveyed by *C.J. Wagner* Inked by *C.J. Wagner*Ship *Surveyor* Instructions dated *April 13, 1934* Surveyed in *August, 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 ~~con-~~
~~ours-~~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.) *No maps submitted - Pictures 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 ^{grass}~~tree~~ line was shown on mountains. (Par. 16g.) ✓

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

T2546 (1901)

The present survey is on a scale of 1:20000, whereas T2546 is on 1:40000. The present survey shows far more detail than on T2546 as to bays, islets, rocks and points. Some of the small bays were very lacking of detail on T2546. Several large islands on T2546 were found to be a group of small islands.

No elevations were given on T2546, so that it was impossible to make an accurate comparison of the heights of the peaks.

The present survey supersedes T2546 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 DPs, 68.) *8 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*
2 Meridians shown checking within 2° of each other
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.
No junctions with this survey
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.) *Notes to rocks not correctly shown as to datum.*
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. R. Bush Jr.* June 11, 1936.

Examined and approved:

C. H. Green.
Chief, Section of Field Records

L. O. Polbat.
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. Wade
Chief, Division of Hyd. and Top.