

# 4501

450101

Form 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State: <u>Alaska</u>
11-5613
DESCRIPTIVE REPORT.
Hyd. <u>Sheet No. (C) 4501</u>
LOCALITY:
<u>Aleutian Is.</u>
<u>Nikolski Hbr. - Umnak I.</u>
<u>1925</u>
CHIEF OF PARTY:
<u>G.C. Jones</u>

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC

SHEET No. C.

NIKOLSKI HBR., UMNAK ID., ALEUTIAN IDS., ALASKA.

Reconnaissance 1925. G. C. Jones, Chief of Party.

The work on this sheet does not extend sufficiently far for general description, and as the harbor was approached and left in thick weather, description of first landfall cannot be given. The ~~M~~iggerhead is 780 feet high and is very prominent; approaching from the westward it is likely to be the first landfall unless obscured by clouds, which is apt to be the case, although the lower part of the cliffs may show. As suggested by the name it is a precipitous black hill nearly flat on top. It is well located with respect to nearby topography and can be used for entrance bearings. The bluffs on the ~~west~~ <sup>west of the village</sup> shore are high and light colored. Ananiuliak Island north of the anchorage is about one mile long and 300 feet high. No information was gained of outlying dangers or currents. No strong currents were noted in the immediate vicinity.

The immediate coast is high but is foul north of the village. There is a particularly dangerous rock, though kelp-marked and usually breaking, lying 250 meters off the entrance to the inner boat harbor.

A measure of protection for large vessels may be secured southwest of Ananiuliak Island but the mainland should be given a good clearance. Anchorage off Kelp Point in 12 fathoms of water may be found.

Small schooners and launches may find good protection and smooth landing inside the reef and just off the village.

For control a base about 840 meters long was measured and expanded with a 4" theodolite. A number of points normally cut in by plane table were cut in by theodolite and the positions computed.

The latitude was determined by a single days circummeridian observations on the sun. The longitude and azimuth were determined by astronomical observations using radio time. Attention is called to the fact that the latitude is about  $0^{\circ}-06'$  greater in latitude and between  $6'$  and  $7'$  greater in longitude than shown on the present chart. Coast Guard navigators inform me that when departure is taken from Nikolski to pass to northward of Uliaga Island in the Four Mountains group they made Uliaga too soon; also when making the pass between Kagamil and Chugniadak they must bear well to the south. This would indicate that the Four Mountains group is fairly correct and that the lower end, at least, of Unmak is not in the correct relation to the Four Mountains.

Between Kelp Point and triangulation station SAR the shoreline was determined by actual topography except the outer limit of the rocky ledge at the head of the bay. Along the shore north of Kelp Point sextant topography was used but was not plotted on the ground due to the fact that not all positions had been determined and plotted. Consequently this shoreline is practically correct in general but small details may be lacking.

The south shore of Ananiuliak Island is sketched fairly true with existing conditions but the outer shore of that island and the main shore west of triangulation station Sar are sketched by eye, except that two points along the last named coast were determined.

The name Niggerhead assigned to the elevation 2 miles north of Nikolski Village is in use locally, at least among Coast Guard Officers. It is a description of the actual appearance of the hill.



1. Mt. Vsevidof from Nikolski. This mountain is some 15 miles Northwest and is reported to be an active volcano.



2. Another view of Mt. Vsevidof showing part of the shingle beach extending Northeast from Nikolski, also part of the rocky ledge extending off the shingle beach. Niggerhead, a prominent landmark, is seen on the left.



3. Part of the village of Nikoński. Ignoring the small buildings, the large buildings from left to right are: traders store, schoolhouse, storeroom, Native Cooperative store, and church. the water supply is from the creek in the foreground and from wells.

W 3 5  
December 30, 1925.

~~Division of Hydrography and Topography:~~

Division of Charts:

Tide reducers are approved in

1 volume of sounding records for

HYDROGRAPHIC SHEETS NO. B and C

→ Top. 4149

Hyd. 4501

Locality: Nazaan Bay, Atka Island, Aleutian Ids., Alaska.

Chief of Party: G. C. Jones in 1925

Plane of reference is MLLW

4.3 ft. on tide staff at Atka Village

For reduction of soundings, condition of records satisfactory  
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A. M. or P. M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

*G. C. Jones*

Chief, Division of Tides and Currents.

JAN 20 1926  
W W B

~~Division of Hydrography and Topography:~~

Division of Charts:

Tide reducers are approved in  
2 volumes of sounding records for

HYDROGRAPHIC SHEET NO. 4501

Locality: Aleutian Islands.

Chief of Party: G. O. Jones in 1925.

Plane of reference is **H L L W**  
1.7 ft. on tide staff at **Bay of Islands**  
4.5 " " " " **Atka Village**

For reduction of soundings, condition of records satisfactory  
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A. M. or P. M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
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10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

*G. V. Rude*

Chief, Division of Tides and Currents.



Hyd. Sheet No 4501

The hydrography on this sheet, consists merely of a few lines run in Nikolski Harbor, which show the general depth in the harbor.

The sounding volumes filed with this sheet also contain the records for the hydrography, which is plotted on Top 4142 and Top. 4149.

R L Johnston

E.S.

ADDRESS THE DIRECTOR  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO No. 4-DEM

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON February 12, 1926.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4501 (Reconnaissance)

Aleutian Islands, Alaska

Surveyed in 1925

Instructions dated February 13, 1925

Chief of Party, G. C. Jones.

Surveyed by G. C. J.

Protracted and soundings plotted by G. C. J.

Verified and inked by R. L. Johnston.

Topography inked and lettered by G. C. J.

1. This sheet is principally a topographic reconnaissance with some few soundings in Nikolski Harbor.
2. This sheet contains information which will be valuable for correcting and supplementing the meager information shown on the present chart.

It being purely a reconnaissance survey no mention will be made as to compliance with the General Instructions.

3. The survey conforms to the requirements of the specific instructions.
4. The shoreline shown on this sheet in full black lines was run in by sextant and planetable. That shown in a broken line was sketched.
5. There is no record of a leadline test having been made.
6. No tides were observed for the work on this sheet but the soundings, according to the Chief of Party, were made at approximately mean lower low water, and are probably not more than 1 or 2 ft. in error.

7. The hydrography in Nikolski Harbor while not complete, gives a general idea of the depths that can be expected here. The slope appears to be gradual with no indications of dangers.
8. Attention is called to the fact that the elevation of Ananiuliak Island as determined by this party is 305 ft. whereas the present chart shows it as 100 ft. According to the recollection of the Chief of Party there is no question but what the latter elevation is in error.
9. The topography of this sheet was done on celluloid and transferred to the smooth sheet afterward. The transferring and inking was done by the field party.
10. There are no adjoining surveys.
11. The work being only reconnaissance, further work will be required eventually.
12. The field surveying is adequate for the purpose. The drafting is fair.
13. Reviewed by A. L. Shalowitz, February, 1926.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

{ See attached }  
Top. Title Sheet }

REG. NO. 4501

HYDROGRAPHIC TITLE SHEET

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

Field No. C

REGISTER NO. 4501

State Alaska

General locality Aleutian Is.

Locality Nikolski Hbr. - Umnak I.

Scale 20,000 Date of survey Sept. 1, 1925

Vessel

Chief of Party G. C. Jones

Surveyed by "

Protracted by "

Soundings penciled by "

Soundings in fathoms feet

Plane of reference MLLW

Subdivision of wire dragged areas by

Inked by

Verified by

Instructions dated, 192

Remarks:

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

~~4501~~

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. C

REGISTER NO. ~~4501~~

To accompany Hyd. 4501

State Alaska

General locality Alutian Is.

Locality Nikolski Harbor, Unalak Is.

Scale 1:20,000 Date of survey August, 1925

Vessel Reconnaissance party of G. C. Jones

Chief of Party G. C. Jones

Surveyed by G. C. J.

Inked by G. C. J.

Heights in feet above MTL to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated Feb. 13, 1925, 192

Remarks: \_\_\_\_\_