

6427

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Form 504
Ed. June, 1923
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

U. S. COAST & GEODETIC SURVEY
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APR 8 1936

State: ALASKA

Acc. No.

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. E-1936
6427

LOCALITY

Aleutian Islands

-Unalaska Bay

Natekin Bay

1935

CHIEF OF PARTY

H. B. Campbell

U. S. GOVERNMENT PRINTING OFFICE: 1920

6427

Applied to new compilation of chart No 9007 S.B.M. July 1936

Applied to drawing of chart No 8860 S.B.M. Dec 1936

Applied to drawing of chart No 8802 S.B.M. June 1937

(extended)
applied to new compilation of chart No 9007, B. Risegari Aug. 1938

applied to Chart Comp 901.8 H. Mac Ewen June 29, 1939

" " " " 900.6 J.M.A. June 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. E - 1935

REGISTER NO. **T6427**

State ALASKA

General locality ALEUTIAN ISLANDS

Locality NATEEKIN BAY - UNALASKA BAY

Scale 1: 5000 Date of survey SEPTEMBER, 1935

Vessel SHIP DISCOVERER

Chief of party H. E. CAMPBELL

Surveyed by GEORGE E. MORRIS, JR.

Inked by GEORGE E. MORRIS, JR.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated APRIL 13, 1934

Remarks: Delineation of shore line only. Relief shown on
topographic sheet field no. E-1935

DESCRIPTIVE REPORT
TO ACCOMPANY SHEET E , NATECKIN BAY .

Work done under instructions Project HT 177 dated
April 13 , 1934.

a. GENERAL DESCRIPTION

The work done on this sheet is a delineation of the high and low water lines and the location of off-lying rocks. The land areas are mountainous except at the head of Nateckin Bay where a low grass covered valley extends southwestwardly. The shore along the head of the bay is sandy but is rocky for the rest of the area except as noted on the sheet. The land on the eastern side of the bay is very precipitous and is grass covered with outcropping rock bluffs. The rock bluffs above triangulation station NAT appear like a number of gables. The beach along this side of the bay is very rocky with several large rocks outside of the low water line. Notes on the sheet indicate the formation immediately inside the high water line.

The rock ledge around the point at triangulation station BOLD bares in spots at mean lower low water. The water deepens abruptly at its edge which is indicated by a dotted line on the topographic sheet. Less than one foot of water covers the ledge at mean lower low water.

The relief for the area covered by this sheet is shown on topographic sheet H - 1935.

b. LANDMARKS

There are no natural or artificial objects in the area covered by this sheet of sufficient prominence to be suitable for landmarks for charts.

c. CONTROL

Triangulation stations established in 1934 were used for the basic control of the sheet. Plane table graphic triangulation was used for intermediate control. All plane table set ups were made over intersection points.

d. TRAVERSE

No plane table traverse was run.

e. OFF-LYING FEATURES

Off-lying rocks were located by stadia readings on a telemeter rod held by a rodman working from a small boat.

k. NEW NAMES

That part of the bay that is in the bight between triangulation station KIND and triangulation station KIN is locally known as Nateekin Bay and the bay itself called ROOF'S Bay. The bay is so called in memory of a fisherman Roof who was drowned in the bay nine years ago. However, all users of the charts know the bay as NATEEKIN BAY and it is recommended that the name NATEEKIN be retained on the chart.

The point north of latitude $53^{\circ} - 53'$ and between longitude $166^{\circ} - 35' - 30''$ and $166^{\circ} - 36'$ is locally known as DEVIL - FISH POINT.

n. CHANGES

A close comparison with the chart was made as the survey progressed. There has been a change in the shore line at the head of Nateekin Bay. The stream charted in latitude $53^{\circ} - 52\frac{3}{4}'$ has been stopped off from emptying into the bay. Some change was noted during the survey in the sand spit across the mouth of the stream emptying into the bay in latitude $53^{\circ} - 52\frac{1}{2}'$. The beach at the head of Nateekin Bay is loose black sand and is changeable between topographic signals MAN and GEM.

Statistics ; 6.1 statute miles shore line.

Report respectfully submitted

George E. Morris, Jr.
George E. Morris, Jr.
Jr. H. & G. Eng.

Approved and forwarded:

H. B. Campbell
H. B. Campbell, H. & G. E.,
Chief of Party, C. & G. S.

Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No. 6427

Name on Survey	A On Chart No. 8860	B On previous survey	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G 7-6427 Rand McNally Atlas	H C.D. U. S. Light List	K Chart 9007	
<u>Nateekin Bay</u>	*			—				—	✓	1
<u>Devilfish Point</u>				✓			*			2
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Names underlined in red approved
on 4/28/36
R.P.H.

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } No. H
 PHOTOSTAT OF } No. T 6427

{ received April 9, 1936
 { registered April 14, 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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C. K. Green April 18- '36

REVIEW OF TOPOGRAPHIC SURVEY No. 6427

Title (Par. 56) *Nateekin Bay, S. W. Alaska*Chief of Party *H. B. Campbell* Surveyed by *G. E. Morris Jr* Inked by *G. E. Morris Jr.*Ship *Discoverer* Instructions dated *April 13, 1934* Surveyed in *Sept. 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. —
Except that only one magnetic meridian was shown.
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.)
See T 6430 (1935) for relief
5. The delineation of ~~contours-formlines-~~ is satisfactory. (Par. 49, 50.)
See T 6430 (1935)
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.)
see T 6430 (1935)
12. The tree line was shown on mountains. (Par. 16g.)
see T 6430 (1935)

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

T1950 (1867)

Topographic survey T1950 is only a reconnaissance survey on a scale of 1:40000, whereas the present survey is 1:5000. The two surveys agree only in a very general way.

T2236 (1896)

The general shore line of the present survey is in good agreement. The control for T2236 was not near so good as on the present survey which shifts the general topography somewhat. The present survey is on a scale of 1:5000, whereas T2236 was on a scale of 1:10000. This increased scale permitted much more detail to be shown on the present. Other minor changes are noted on Page 3 of the Descriptive Report.

T6427 supersedes T2236 (1896)^{and T1950} in part.

Chart 9007

The present survey has not yet been applied to this chart. The chart is, no doubt, compiled from T2236, differences of which were discussed under T2236.

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.) *None 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.) *Declination varies 1° to 3° in this area general*
18. The geographic datum of the sheet is *Unalaska (Unadjusted)* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate.
Joins T 6426 (1935) on the East
Joins T 6428 (1935) on the North
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.) ✓
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: *All relief work for this area was executed on T 6430 (1935)*

Reviewed in office by *Chas. R. Bush Jr.* June 8, 1936

Examined and approved:

E. N. Green.
Chief, Section of Field Records

Frederic L. Peacock
Chief, Section of Field Work

L. O. Polkett.
Chief, Division of Charts

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