

6209

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

State: SW Alaska

DESCRIPTIVE REPORT

Topographic Hydrographic Sheet No. "B" 6209

LOCALITY

Aleutian Islands

Atka Id.

Nazan Bay

19 34

CHIEF OF PARTY

H. B. Campbell

U. S. GOVERNMENT PRINTING OFFICE: 1931

DECLASSIFIED BY NOAA  
PURSUANT TO DOC SYSTEMATIC REVIEW  
GUIDELINES AS DESCRIBED IN SECTION  
3.3(a), EXECUTIVE ORDER 12356

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Acc. No. ....

REG. NO. 6209

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. B

REGISTER NO. 6209

State SW Alaska, Aleutian Islands

General locality Atka Island

Locality Nazan Bay

Scale 1:20,000 Date of survey August, 19 34

Vessel M. V. WESTDAHL

Chief of party H. B. Campbell

Surveyed by R. A. Marshall

Inked by R. A. Marshall

Heights in feet above ----- to ground to tops of trees

Contour, Approximate contour, Form line interval --- feet

Instructions dated HT-177, April 13, 19 34

Remarks: Form lines shown on Topographic Sheet Field No. "C".

...

*appended to Chn 9010 Nov. 1935 H.S. Gault*

DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEET NO. "B".

Project No. HT-177

U.S.C. & G.S.S. DISCOVERER                      H. B. Campbell, Commanding.  
U.S.C. & G.S.M.V. WESTDAHL                      W. M. Scaife, Officer in Charge.  
Season 1934.

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INSTRUCTIONS:

This work was performed under instructions from the Director dated April 13, 1934.

LIMITS:

This sheet covers the west, north, and a portion of the south shore of Nazan Bay. Junction is made with the shoreline of Topographic Sheet "A" on both ends. The form lines were done on Topographic Sheet "C".

GENERAL DESCRIPTION:

On the north shore the topography was carried around Cape Kudugnak to the north side of the bight above the cape.

The topography on the south side of the bay was carried beyond Cape Utes so as to include the off-lying reefs southeast of the cape.

At the head or west side of the bay is a long, sandy beach. The rest of the beach on the sheet is in general rock strewn, with short stretches of sandy beach at intervals.

The bluff around Cape Kudugnak is crumbling away. The reef behind the high water line at triangulation stations UTES and PROFILE is covered by storm water to the foot of the bluff.

CONTROL:

This sheet was controlled by a scheme of second and third order triangulation.

SURVEY METHODS:

Standard methods of topography were used on this sheet. Plane-table triangulation was carried to all parts of the sheet except from triangulation station NAZAN to topographic signal RAG, where a short traverse was run.

Signal RAG is marked by a 4 ft. pole driven into the ground and extending two feet above the ground level.

LIST OF NAMES:

Well-established:-

Palisades Point	Flat Point	Cape Kudugnak
Cape Utes	Uyak Island	Profile Point

No additional names were added by the field party.

STATISTICS:

Shoreline - - - - - 18.9 statute miles

Magnetic declinations - - - - - 1

Respectfully submitted,

*Robert A. Marshall*  
Robert A. Marshall,  
Jr. H. & G. Engineer.

Approved and forwarded:

*H. B. Campbell*

H. B. Campbell, H. & G. Engr.,  
Chief of Party.



Diagram No. 9102

Under investigation. Q

(M-136)

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## LANDMARKS FOR CHARTS

Seattle, Washington

February 8 1935

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

H. B. Campbell

Chief of Party.

DESCRIPTION	POSITION						METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE			LONGITUDE				
	°	'	D. M. METERS	°	'	D. P. METERS		
Knoll on Cape Kudugnak	52	- 13	1534.6	174	- 03	978	ATKA 1925-34	Triang. 9196-9102
Middle of prominent white stone beach.	52	- 13	1550	174	- 04	362	" Topo	9196-9102
Prominent 60 ft. rock at Palisades Point.	52	- 13	1368	174	- 09	323	" "	9196-9102
This list to accompany 1:20,000 topo and hydro sheet of Nazan Bay, Atka Island, Aleutian Islands.								
<p>* to obtain NA 1927 from Atka datum:</p> <p>Lat. - subtract 470 meters</p> <p>Long - add 51 meters</p>								

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.

80 KTA  
82-CKG

Gaithersville, Md.  
March 25, 1935.

To: The Director,  
U. S. Coast and Geodetic Survey,  
Washington D. C.

From: Robert G. Marshall, Jr. H.R.C.,  
U. S. Coast and Geodetic Survey.

Subject: Hydrographic Survey of Nazan Bay,  
Atka Id., Aleutian Islands.

Reference: your letter 80-SD, dated March 1, 1935.

I have received from Lieutenant Seafie  
a copy of reference letter to the Commanding  
Officer of the Discoverer, together with a  
tracing of the photostat of # 5644 of the  
area in question.

I believe that the rock in question is  
"covered three feet at a M.L.L.W." and  
does not "bare three feet at M.L.L.W." as stated  
on the topographic sheet.

I did the sounding in this area also and  
know that the top of the rock in question  
was found.



It is my belief that my statement on the topographic sheet is wrong.

I only remember one rock in this heavy kelp area as baring at zero tide and this was not the rock.

I located these rocks by topography on days when they were breaking. I also obtained a satisfactory check between the topographic and hydrographic locations of these rocks.

The elevation of the rock, as I remember it, I obtained from the sounding record.

Therefore I believe that the hydrography shows the correct elevation of the rock and that it bares only when a swell is running.

Robert A. Marshall  
Jr. H. & G. E. U.S.C. & S. Survey.

Rocks changed to sunken rock on topo sheet  
(T-6209) and marked covered 3 ft. at M.L.L.W.

A. L. Shaloup.



## REVIEW OF TOPOGRAPHIC SURVEY No. 6209

Title (Par. 56) *Nazan Bay, SW. Alaska*Chief of Party *H.B. Campbell* Surveyed by *R.A. Marshall* Inked by *R.A. Marshall*Ship *Westdahl* Instructions dated *April 13 1934* Surveyed in *August 1934*

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 ~~contours~~ ~~formlines~~ was accomplished. (Par. 18, 19, 20, 21, 22, 23.)  
*See T 4875*
5. The delineation of ~~contours~~ ~~formlines~~ is satisfactory. (Par. 49, 50.)  
*See T 4875*
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 4875*
12. The tree line was shown on mountains. (Par. 16g.)  
*See T 4875*

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

The only previous Coast Survey topographic survey of this area is a reconnaissance survey T4149 (1925). Few elevations were taken and form lines not drawn.

Chart 9102 is on too small a scale to be comparable.

The present survey supersedes T4149 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.) *None submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *No note of having checked declinatoire*
18. The geographic datum of the sheet is <sup>Nagay</sup> ~~Independent (Unadjusted)~~ and the reference station is correctly noted. (Par. 34.)   
*Values taken from Field Computations of an Independent Datum*
19. Junctions with contemporary surveys are adequate.   
*Joins T 6208 in the center (west) part of Survey*  
*Joins T 4875 (1934) on the North & West (Form lines)*
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: *Relief for this area is shown on T 4875*

Reviewed in office by *Chas. R. Bush Jr.* June 12, 1936.

Examined and approved:

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

*L. O. Polbert*  
Chief, Division of Charts

*Fred. L. Peacock*  
Chief, Section of Field Work

*W. H. de*  
Chief, Division of Hyd. and Top.