

6970

Diag. Cht. No 8865-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE,

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC SHEET

Field No. Ex "B" 44 Office No. T6970

LOCALITY

State ALASKA

General locality ALEUTIAN ISLANDS, ATTU ISLAND

Locality SOUTH SHORE ATTU ISLAND

TEMNAC BAY

194 4.

CHIEF OF PARTY

Roland D. Horne

LIBRARY & ARCHIVES

DATE FEB 2 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 16977

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. Ex "B" 44

REGISTER NO. 16977

State ALASKA-

General locality ALEUTIAN ISLANDS, ATTU ISLAND

Locality TEMNAC BAY

Scale 1:20,000 Date of survey August, 1944.

Vessel Ship EXPLORER

Chief of party Roland D. Horne

Surveyed by Howard S. Cole

Inked by Howard S. Cole

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

Contour, Approximate contour, Form line interval _____ feet

Instructions dated March 25, 1944.

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET "B"
TEMNAC BAY, ATTU ISLAND, ALASKA.

AUTHORITY:

General Instructions for Field Work, 1944, dated March 25, 1944. ✓

CONTROL:

Triangulation by the U.S. Navy in 1943, and by the EXPLORER, in 1944. Datum of the sheet is U.S.N. GANNET 1934. ✓

METHODS:

The triangulation was plotted on the sheet by swinging arcs, using distances from the triangle computations. The projection was put on the sheet after all field work was completed. ✓
The line "EDDY-TEMNAC" was used as the base for swinging the arcs.
THEODORE ASTRO, NELL, AND THEODORE ASTRO AZ. MK. were plotted by constructing their directions from the above named line.

Standard topographic methods were used to locate the signals and shoreline.

ERRORS:

Small discrepancies will be found in the plotting of the triangulation stations due to the method of plotting. For this reason it is suggested that all signals be transferred or scaled by adjusting between triangulation stations. ✓

TOPOGRAPHIC FEATURES:

The topography along the shore between signals "Pin", U. S.N. 1943, and "Como" 1944, is very rocky except at the head of the bay around the Base Line, where a wide sand beach is found.

All dangers in the vicinity of signals "Tit", "Lib", "Nox", and "End" are not shown as the area was not completed.

The top of the bluff along the shore in the vicinity of the Loran Station at Theodore Point is shown on the sheet. The bluff is about 200 feet high just east of the most eastern hut shown (200 feet above mean high water).

RECOMMENDED NAMES:

TEMNAC BAY, is the name used on all Navy and Coast Survey charts consulted but it is noted that the Geographic Board has approved the name TEMNAC COVE for the same body of water. TEMNAC BAY, is the name now used by most persons in the area.

RECOVERABLE PLANETABLE POSITIONS:

The following planetable positions have been described on Form No. 524, and submitted with the aerial photograph report:

SPIKE (U.S.N) 1943	Lat. 52° 48'	1832 meters
	Long. 173° 01'	632 meters
LORAN STATION	Lat. 52° 45'	⁶² 358 meters
	Long. 172° 54'	² 738 meters
HIGH FREQUENCY LORAN	Lat. 52° 45'	⁵ 457 meters
	Long. 172° 54'	⁸⁸³ 738 meters

MAGNETIC DECLINATION:

A declinatorie observation was made at signal "Las".
The value obtained of $3^{\circ}40'$ East agrees fairly well with what
was expected.

(40)

STATISTICS:

Statute miles of shoreline - 6.4.

Respectfully submitted,

Howard S. Cole

Howard S. Cole,
H. & G. Engr.

APPROVED AND FORWARDED:

Roland D. Horne

Roland D. Horne,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

GEOGRAPHIC NAMES

Survey No.

T6970

Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
<u>Attu Island</u>			(title)					U.S. 48	1	
<u>Temnae Bay</u>								"	2	
<u>Krasni Pt.</u>								"	3	
<u>Theodore Pt.</u>								"	4	
<u>Alaska</u>			(title)						5	
<u>Aleutian Islands</u>			(")						6	
									7	
									8	
									9	
									10	
									11	
									12	
									13	
									14	
									15	
									16	
									17	
									18	
									19	
									20	
									21	
									22	
									23	
									24	
									25	
									26	
									27	
										M 234

Names underlined in
red are approved
1/28/49. L. Heck

ADDITIONS TO DESCRIPTIVE REPORT T-6970

Washington Office, May 15, 1945

Details shown in green on T-6970 were compiled from air photographs in this office.

Photographs:

X111-X131, 137-140, at scale 1:10,000, dated 1944.
3V22-72, 3V22-73, 3V23-90, 3V23-91, 3V24-92, 3V24-93,
at scale 1:26,000, dated 1943.

Field Inspection:

Photographs were field inspected by planetable party. Field inspection covered location of triangulation, hydrographic signals, shoreline, ledges, rocks, etc.

Compilation:

Compilation done by holding the hydrographic signals, triangulation, or any other prominent landmarks shown on the planetable survey that could be identified on the photographs. Shoreline was redelineated on the 1:10,000 photographs with the aid of a stereoscope and transferred to the sheet by use of the vertical projector. The 1:10,000 photographs did not give complete coverage so that 1:26,000 photographs were used in part.

Compiled by: S. W. Trow

Verified by:

Michael G. Mautia

Inspected by - *L. C. Rand*

v B. G. Jones

See next Page

SUPPLEMENT
to
• ADDITIONS TO DESCRIPTIVE REPORT T-6970

A vertical projector was used to add additional detail in green in the vicinity of triangulation station TETNAC, 1944. It was possible to hold all the control stations on the planetable survey except for the identified position of Signal HOT - noted in red on the field inspection photograph. However, a leader noted in pencil on this photograph to a nearby point(pricked) will hold. It is likely that the wrong point was noted as the station by the field inspector.

The detail was delineated from field inspection photograph V1-12(single-lens), scale 1:26,000, dated 9-22-43.

Submitted by:

Charles Hanavich
C. Hanavich
February 7, 1949

approved by L.C. Landy

NAUTICAL CHART BRANCH

REVIEW SECTION

T-6970 (1944)

The control and topography of this survey are fully described in the Descriptive Report. There are no prior surveys.

The topography was transferred to H-7015 (1945) prior to the review of that survey, except for the shoreline and rock detail of the islands in the vicinity of lat. $52^{\circ} 48.3'$, long. $173^{\circ} 04.7'$. As noted in the supplement to the Descriptive Report, this topography was added on February 7, 1949 from air photographs. This additional detail does not conflict with the hydrography on H-7015.

The topography on Chart 9129 (Print date of November 24, 1945) is from the present survey, except for the area mentioned above which was charted from a preliminary field compilation of air photographs shown on blueprint 38970. No important revisions of the charted detail are necessary.

The observation for magnetic meridian is within the charted value and reveals no local magnetic disturbance.

March 8, 1949

G. F. Jordan

Inspected by: R. H. Carstens

NAUTICAL CHARTS BRANCH

SURVEY NO. T6970

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.