

6607

6607

Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
....., Director

State: S.W. ALASKA

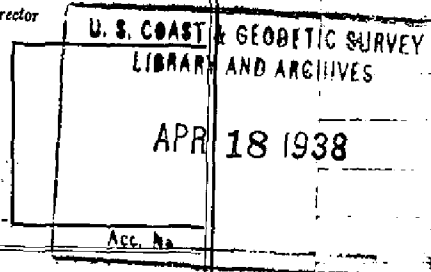
DESCRIPTIVE REPORT
Topographic } Sheet No. "N" 1937
Hydrographic }

LOCALITY

Sanak Id.
East of Sanak Reef
~~Group of small Ids. south of~~
~~Elma Id. and Peterson Bay.~~

19 37

CHIEF OF PARTY
Ray L. Schoppe



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. "N" 1937

REGISTER NO. T6607

State S. W. ALASKA

General locality Sanak Id.

Locality ~~Group of small Ids. South of Elma Id. and Petersen Bay~~
East of Sanak REEF

Scale 1 - 20,000 Date of survey June - July, 19 37

Vessel U.S.C. & G.S.S. DISCOVERER

Chief of party Ray L. Schoppe

Surveyed by E. B. Lewey

Inked by E. B. Lewey

Heights in feet above M.H.W. to ground to tops of trees

~~Contour, Approximate contour~~, Form line interval 100 feet

Instructions dated March 30, 1936; Supplemental Instructions, 19

~~Remarks~~ dated March 30, 1937.

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "N" 1937 T-6607

GROUPS OF SMALL IDS. SOUTH OF ELMA ID. AND PETERSON BAY

SANAK IDS., S.W. ALASKA

- - - - -

RAY L. SCHOPPE, CHIEF OF PARTY

SEASON OF 1937

DESCRIPTIVE REPORT

To Accompany Topographic Sheet "N" 1937 T-6607

Groups of Small Ids. South of ELMA ID. and PETERSON BAY

Sanak Ids., S.W. ALASKA

- - - - -

INSTRUCTIONS:

The work done on this sheet was authorized by the Director's Instructions for Project H.T.-208, dated March 30, 1936. Supplemental Instructions dated March 30, 1937.

LIMITS:

The area included on this sheet lies between Latitudes $54^{\circ} 17.4'$ North and $54^{\circ} 21.8'$ North; and between Longitudes $162^{\circ} 26.2'$ West and $162^{\circ} 38.6'$ West. The sheet includes the following small islands: MARY ID., PETERSON ID., DORA ID., ROBERTSON ID., TELEMITS ID., INIKLA ID., GUNBOAT ID., and UMLA ID.

This sheet joins Topographic Sheet "E", 1936, at the gravel spit connecting Elma and Inikla Ids., Latitude $54^{\circ} 21.8'$ North and Longitude $162^{\circ} 29.7'$ West. It joins Topographic Sheet "O", 1937, at the reef in Latitude $54^{\circ} 18.5'$ North and Longitude $162^{\circ} 38.05'$ West.

CONTROL

The topography was controlled by the Scheme of triangulation executed by the DISCOVERER during the 1936 season.

The triangulation is based on the Unalaska Datum, field computations unadjusted.

SURVEY METHODS:

Standard Planetable survey methods were used. Topographic Signals, shoreline, and other topographic details were located by a combination traverse and resection method. Cuts to all visible signals were taken from each triangulation station and used in conjunction with traverses. All traverses on this sheet were loop traverses and all of them closed satisfactorily.

FORM LINES:

All elevations for the control of form lines and the heights of the higher offshore rocks and small islets were determined by standard planetable methods. The heights of the smaller and lower offshore rocks were measured with the telemeter rod.

COMPARISON WITH PREVIOUS SURVEYS:

The only previous survey of this area was the planetable survey, Register No. 2553, made in 1901. In general the two surveys agree satisfactorily. They do not, however, agree well in detail; particularly in the shape and location of rocks and reefs. The greatest differences noted were in the size, shape, and location of the reefs south of Mary and Peterson Ids. and north of Dora and Robertson Ids.

All differences between the two surveys were checked and verified.

GENERAL DESCRIPTION:

The islands covered by this sheet have rocky shores and are grass covered. They are comparatively low, TELEMITZ, the highest, is 90 feet in height. All of the islands, except parts of MARY ID. and the south side of UMLA ID., have steep bluffs at their shorelines.

The islands included on this sheet are grouped in two groups. MARY, PETERSON, DORA, and ROBERTSON Islands form one group; TELEMITZ, INIKLA, GUNBOAT, and UMLA Islands form the other. The area between the islands in each group is more or less foul and filled with kelp.

Attention is called to the two breakers $1\frac{1}{2}$ miles WSW of triangulation Station SEAL ROCK, 1936, and to two rocks awash at M.L.L.W. 0.8 mile ENE and 0.47 mile E, respectively, of the same triangulation station.

There are two dwellings on the islands; one on the east side of MARY ID. and one on the south side of PETERSON ID. The only drinking water available is from a small well dug at each of the dwellings.

All of the islands are used in fox farming.

DISTORTION:

A 24" x 31" aluminum mounted sheet was used. Altho the sheet was frequently tested, no distortion was ever noted.

MAGNETIC OBSERVATIONS:

Observations were made at Triangulation Station LEAS, 1936, with the Declinitaire. A magnetic Variation of $17^{\circ} 10'$ E. was noted.

GEOGRAPHIC NAMES:

NAMES USED ON COAST SURVEY CHARTS:

MARY ID., PETERSON ID., TELEMITY ID., INIKLA ID., and UMLA ID. are shown on Coast Survey Charts and are used locally.

NEW NAMES:

DORA ID. The small rocky and grass covered island one mile south of MARY ID.

ROBERTSON ID. The irregular rocky island 0.8 mile south of PETERSON ID.

GUNBOAT ID. The small grass covered island 0.5 mile east of the north end of INIKLA ID.

All of these new names are used locally.

Respectfully submitted,

Ernest B. Lewey
Ernest B. Lewey,
Jr. H. & G. E.
Str. DISCOVERER.

Approved & Forwarded,

Ray L. Schoppe
Ray L. Schoppe,
Commanding,
Str. DISCOVERER.

S T A T I S T I C S

TO ACCOMPANY TOPOGRAPHIC SHEET "N" 1937 T-6607

Number of Statute Miles of Shoreline - - - - -	16.0
Number of Square Statute Miles of Area Surveyed - -	12.0
Number of Elevations determined - - - - -	36

Remarks.

Decisions

1		see H-6280
2		see H-6281
3		
4		see H-6280
5		see H-6281
6		see H-6281
7		" "
8		
9		
10	For Title Only }	USGB decision,
11		
12		see H-6281
13		see T-6508
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GEOGRAPHIC NAMES

Survey No. T-6607

Name on Survey	On Chart No. 8860	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	
	A,	B,	C,	D	E	F	G	H	K
X <u>Elma Island</u>	✓			✓					1
X <u>Inikla Island</u>	✓			✓					2
X <u>Gunboat Island</u>				✓					3
X <u>Telemitz Island</u>	✓			✓					4
X <u>Umla Island</u>	✓			✓					5
X <u>Mary Island</u>	✓			✓					6
X <u>Peterson Island</u>	✓			✓					7
X <u>Robertson Island</u>				✓					8
X <u>Dora Island</u>				✓					9
X <u>Sanak I.</u>	✓								10
X <u>Sanak Reef</u>	✓								11
X <u>Seal Rock</u>	✓								12
X <u>Caton Island</u>	✓								13
									14
									15
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Names underlined in red approved									
by <u>SHR</u> on <u>5/27/38</u>									
									27

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } ~~Model~~
 PHOTOGRAPH OF } No. T-6607

{ received April 18, 1938
 { registered May 26, 1938
 { 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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RETURN TO

82	T. B. Reed
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✓ *TBR*

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6607 (1937) FIELD NO. N.

East of Sanak Reed, Sanak Island, S. W. Alaska

Surveyed in June - July 1937, Scale 1:20,000

Instructions dated Mar.30,1936 and Mar.30,1937 (EXPLORER)

Plane Table Survey.

Aluminum Mounted.

Chief of Party - Ray L. Schoppe.

Surveyed by - E. B. Lewey.

Inked by - E.B. Lewey.

1. Condition of Survey.

The survey is neat and legible and conforms to the requirements of the Topographic Manual except that the feature on which topographic signal "OZO" in lat. $54^{\circ}20.0'$, long. $162^{\circ}36.9'$ was located was not indicated (See par. 4 this review).

The Descriptive Report is clear and satisfactorily covers all items of importance. The two houses on Mary and Peterson Islands, which were mentioned in the Descriptive Report, should have been shown on the survey.

2. Compliance with Instructions for the Project.

The plan, character and extent of the survey satisfy the instructions for the project.

3. Junctions with Contemporary Surveys.

- a. The junction with T-6608 (1937) on the southwest is satisfactory except that the islet in lat. $54^{\circ}18.48'$, long. $162^{\circ}38.55'$ which is common to both sheets is noted in the Descriptive Report (page 2) of H-6281 (1937) as being 50 m. N.W. of the topographic location. It further states that the revised hydrographic location will be checked during the 1938 season. The position on H-6281 should be used for charting purposes at the present time.
- b. The junction with T-6606 (1937) in the vicinity of Lat. $54^{\circ}22.5'$, long. $162^{\circ}33.5'$ is satisfactory.
- c. The junction with T-6508 (1936) on the north and northeast is satisfactory.

4. Comparison with Prior Surveys.

T-2553 (1901), Scale 1:40,000.

This survey covers the entire area of the present survey. A comparison shows many differences in details, several of which are considerable. Umla Island in long. $162^{\circ}28'$ is twice as wide as the present survey delineation. The detached reef in lat. $54^{\circ}22.3'$, long. $162^{\circ}32.5'$ which falls in depths of 8 to 9 fms., even bottom on H-6280 (1937) is apparently out in azimuth since the present survey shows a similar feature 370 M. westward. Another reef $\frac{1}{2}$ mile south of the above is similarly 340 m. out of position. (This feature is not shown on the present survey but was located on H-6280 and is represented as a rock awash at MLLW). The reefs in lat. $54^{\circ}19.9'$, long. $162^{\circ}37.5'$ and lat. $54^{\circ}20.4'$, long. $162^{\circ}38.3'$ are also about 250 m. out of position.

The sunken rock in lat. $54^{\circ}20.9'$, long. $162^{\circ}29.3'$ and the reef or islet in lat. $54^{\circ}20.9'$, long. $162^{\circ}26.5'$ on T-2553 are not shown on the present survey. The present survey, however, does indicate breakers in the vicinity of the reef or islet. These features should be retained on the chart at the present time. They are not, however, being carried forward on the present survey pending the receipt of hydrographic work covering this area and at which time a final disposition will be made. The small islet in lat. $54^{\circ}20.0'$, long. $162^{\circ}36.9'$ was carried forward (transfer based on topography) because the present survey does not show the feature on which topographic signal "020" was located.

The present survey with its larger scale and better controlled details including such supplemental rock details as are shown on H-6280 (1937) and H-6281 (1937), and except as noted above should supersede T-2553 for charting purposes in the common area.

5. Comparison with Chart 8860 (New Print dated Jan. 12, 1938).

Topography shown on the chart originate entirely with surveys discussed in previous paragraphs and no further consideration is necessary.

6. Field Drafting.

The inking of the shoreline, topographic features and lettering is excellent.

7. Additional Field Work Recommended.

No additional field work is required. The verification of the islet discussed in par. 3a this review will be accomplished in the 1938 season and is noted in the review of H-6281 (1937), par. 10d

8. Superseded Prior Surveys.

Within the area covered, the present survey with the indicated additions supersedes the following survey for charting purposes:

T-2553 (1901) in part.

9. Reviewed by Harold W. Murray, November 8, 1938.

Inspected by E. P. Ellis,


Examined and approved:




Thos. B. Reed
Chief, Section of Field Records



K.T. Adams
Chief, Division of Charts



Fred. R. Peacock
Chief, Section of Field Work



G. F. Muir
Chief, Division of Hydrography
and Topography.