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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Director

State: S.W. ALASKA

Acc.

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. "0" 1937

LOCALITY

SANAK ISLANDS

South Side Sanak Id. ~~off~~ ^{to Sanak Reef}

~~lying Islands.~~

19 37

CHIEF OF PARTY

Ray L. Schoppe

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

APR 18 1938

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applied to chart 8860 Dec 2, 1938 J.G.L.
" " " 8841 March 1940 J.H.S.
" " " 8705 June 1942 H.F. Stegman

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. "0" 1937 T6608

REGISTER NO.

State S. W. Alaska
General locality Sanak Ids.
✓ Locality South Side Sanak Id. & Offlying Islands to Sanak Reef
Scale 1- 20,000 Date of survey July - August, 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 15
~~Remarks~~ dated March 30, 1937.

DESCRIPTIVE REPORT

To Accompany Topographic Sheet "O" 1937

SOUTH SIDE SANAK ISLAND AND OFFLYING ISLANDS

SANAK IDS., S.W. ALASKA

RAY L. SCHOPPE, CHIEF OF PARTY

Season of 1937

DESCRIPTIVE REPORT

To Accompany Topographic Sheet "O" 1937
South Side Sanak Island and Offlying Islands
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 $54^{\circ} 17.6'$ North and $54^{\circ} 25.2'$ North; and between Longitudes $162^{\circ} 38.0'$ West and $162^{\circ} 47.4'$ West. The sheet includes the shoreline between Sandy Bay and Washwoman Creek on the south side of SANAK ID.; ✓
CLIFFORD ID.; and the chain of islands extending 6 miles southeast of CLIFFORD ID.

T-6606

This sheet joins Topographic Sheet "L", 1937, at Topographic Signal ANY, Latitude $54^{\circ} 22.98'$ North and Longitude $162^{\circ} 39.37'$ West.

Par. 1, Rev.

T-6607

It joins Topographic Sheet "N", 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 in 1936. The triangulation is based on the Unalaska Datum, field computations unadjusted. ✓

SURVEY METHODS:

The usual planetable survey methods were used. A combination traverse and resection method was used in locating topographic Signals, Shoreline, and other topographic details. Cuts were taken to all visible signals from each triangulation station and used in conjunction with traverses. ✓

All traverses closed satisfactorily. ✓

FORM LINES:

All elevations for the control of form lines and the heights of the higher offshore rocks 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 planetable survey, Register No. 2553, made in 1901 is the only previous survey of this area. That part of Sanak Id. covered by this sheet agrees fairly well with the 1901 survey. Elsewhere, the two surveys do not agree closely either in location and shapes of reefs and islets, or in the shapes of the larger islands. The high water rock, or islet, shown on the photostat of the 1901 survey in Latitude $54^{\circ} 22.0'$ North and Longitude $162^{\circ} 40.3'$ West does not exist. However, there may be a shoal or sunken rock here. Kelp was noticed in the vicinity in 1936 but was not found in 1937. This point will be cleared up next year when the hydrographic survey is made. Par. 2, Review. ✓

The 1901 survey was not as well controlled or done in as close a detail as was this survey. The differences between the surveys were checked and verified in the field.

GENERAL DESCRIPTION:

The area included on this sheet is exceedingly foul and that part of it extending from Clifford Id. north and east to Sanak Id. is very shoal.

That part of Sanak Id. covered by this sheet is grass covered and dotted with numerous small lakes. The shores, except in Sandy and Dodds Bays, are marked with steep bluffs and are fringed with rocky ledges. There are fish camps established at Dodds Bay and Washwoman Creek but are occupied only during the summer. The fisherman move to Sanak or Pavlof at the close of the fishing season. Fresh water may be obtained from streams entering Sandy Bay, Dodds Bay, and Washwoman Creek.

Clifford Id. is the largest of the islands included on this sheet. It is grass covered and has prominent and steep rocky cliffs on its eastern side. Its western and southern sides are fringed with rocky ledges, rocks, reefs, and kelp extending as far as $\frac{1}{2}$ mile offshore. Muskog water is the only water available on this island.

Sisters Id. consists of two high parts ~~68~~⁶⁴ and 67 ft. in height separated by a low gravel spit. The high parts are surrounded with steep bluffs and are grass covered. There are two abandoned shacks on the island, but no fresh water.

The group of islands 2 miles southeast of Sisters Id. is known as the Haystacks. They are irregular rocky islands 50 to 78 feet in height with steep rocky bluffs and are grass covered. The bluffs are so steep that the islands can be climbed only at a few points. Except on the north side, the area around and between these islands is foul and full of kelp.

The exact position of the breaker shown in Latitude $54^{\circ} 18.5'$ North and Longitude $162^{\circ} 41.15'$ West is doubtful, since only one cut was obtained to it. The cut was from Topographic Signal BUN and the distance estimated. The breaker was not visible at any other time while working in this vicinity. **Foul areas close by. Breaker symbol removed.**

SPECIAL NOTES:

The Position of SOUTH ROCK as determined by triangulation in 1936 is in error. After a comparison with the survey made in 1901 and a careful examination in the field, it was found that the direction obtained by theodolite from Triangulation Station SISTER, 1936, to SOUTH ROCK, was the cause of the error. The direction was actually to the smaller rock 260 meters southeast of SOUTH ROCK instead of to SOUTH ROCK itself. The position as shown in this sheet is 320 meters 233° true from the triangulation position.

**Recovery
Card 2223
informs
Div. of
Geodesy.**

Topographic Location of SOUTH ROCK: Lat. $54^{\circ} 17' + 14.63.2$ meters.
Long. $162^{\circ} 42' + 510.0$ meters.

DISTORTION:

A 24" x 31" aluminum mounted sheet was used and no distortion was noted at any time. ✓

MAGNETIC OBSERVATIONS:

Observations were made at Triangulation Station SOUTH, 1936, with the declinatoire. A magnetic variation of $16^{\circ} 56'$ E. was noted. **Declination normal.**

GEOGRAPHIC NAMES:

Names used on Coast Survey Charts:

SANAK ID., CLIFFORD ID., SISTERS ID., SOUTH ROCK, SANDY BAY, and SANAK REEF are names that are shown on coast survey charts and are used locally. ✓

Note: According to local information,

CLIFFORD ID. is the name of the island so labelled on this sheet. Long. Id. is the name of the long and irregular island extending to the northwest from CLIFFORD ID. (not shown on this sheet). This is not clear on the photostat of the 1901 survey and on chart # 8860 both islands are called CLIFFORD ID. ✓

NEW NAMES:

DODDS BAY: The broad indentation on the South side of Sanak Id. in Latitude $54^{\circ} 24.0'$ North and Longitude $162^{\circ} 43.2'$ West.

WASHWOMAN CREEK: The creek emptying into the deep and narrow bite in Latitude $54^{\circ} 25.0'$ North and Longitude $162^{\circ} 46.0'$ West.

CHICAGO PT.: The point at the west side of Sandy Bay.

HAYSTACKS: The group of steep rocky and grass covered islands in Latitude $54^{\circ} 18.9'$ North and Longitude $162^{\circ} 40.5'$ West.

HAYSTACK ROCK: The prominent and lone rock 20 feet in height located by triangulation and called HAYSTACK, 1936.

Note: CHICAGO PT. is shown on the photostat of the 1901 survey but is not shown on Chart # 8860. HAYSTACK ROCK is shown only as HAYSTACK on the photostat.

All of these new names are used locally.

Respectfully submitted,

Approved & Forwarded,

Ray L. Schoppe

Ray L. Schoppe,
Commanding,
Str. DISCOVERER.

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

STATISTICSTO ACCOMPANY TOPOGRAPHIC SHEET "O" 1937

Number of Statute miles of shoreline - - - - -	37.7
Number of Square ^{statute} miles of Area Surveyed - - - - -	30.0
Number of Elevations determined - - - - -	161

Remarks.

Decisions

1		<i>USGB decision</i>
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8	<i>duplicates Haystacks - Shumagin Is.</i>	
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11	<i>Charted as Part of Clifford I- 8860 T-2553 shows has Clifford I & Long I for 2 islands named as one.</i>	
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GEOGRAPHIC NAMES

Survey No. T-6608

GEOGRAPHIC NAMES											
Survey No. T-6608											
Name on Survey	On Chart No. 8860										
	A,	B,	C,	D,	E,	F,	G,	H,	K,		
✓ <u>Sanak Island</u>	✓									1	
✓ <u>Washwoman Island</u> ^{Creek}				✓						2	
✓ <u>Dodds Bay</u>				✓						3	
✓ <u>Chicago Point</u>		✓		✓						4	
✓ <u>Sandy Bay</u>	✓	✓		✓						5	
✓ <u>Sanak Reef</u>	✓									6	
✓ <u>Sisters Island</u>	✓	-		✓	✓					7	
Haystacks				✓						8	
✓ <u>Haystacks Rock</u>		Haystack		✓						9	
✓ <u>Clifford Island</u>		✓		✓	✓					10	
<u>Long Island</u> off sheet.		✓		✓	see Clifford I.					11	
✓ <u>South Rock</u>	✓	✓		✓	✓					12	
										13	
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										25	
Names underlined in red approved											
by <u>SHZ</u> on <u>5/27/38</u>											
										27	

M 234

Names underlined in red approved

by SPC on 5/27/38

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTATIC OF~~

~~No. T-6608~~
No. T-6608

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
20			
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90			

RETURN TO

82	T. B. Reed
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✓ JBR

DIVISION OF CHARTS

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6608 (1937) FIELD NO. 0-1937

S. W. Alaska, Sanak Islands, South Side of Sanak Island
to Sanak Reef

Surveyed in July - August 1937, Scale 1:20,000
Instructions dated March 30, 1936; March 30, 1937
(DISCOVERER)

Plane Table Survey

Aluminum Mounted

Chief of Party - R. L. Schoppe.

Surveyed and inked by - E. B. Lewey.

Reviewed by - J. A. McCormick, September 11, 1940.

Inspected by - H. R. Edmonston.

1. Junctions with Contemporary Surveys.

Satisfactory junctions were made with T-6606 (1937) on the northeast, T-6607 (1937) on the southeast, T-6654 (1938) on the west and T-6650 (1937-38) on the north.

2. Comparison with Prior Surveys.

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

As stated in the review of T-6654 (1938), T-2553 has been found to be little more than a good reconnaissance. True, the old survey is in excellent agreement with the present work in some places but in other, differences in position of identical detail amount to several hundred meters. The bare rock in latitude $54^{\circ} 22.0'$, longitude $162^{\circ} 40.3'$ on T-2553 is declared non-existent in the present descriptive report, page 2. There are no rocks in the immediate vicinity on the present survey or on H-6437 (1938-39) although the latter survey does show a $1\frac{1}{6}$ fathom shoal about 500 meters to the southeast. Close inspection of penciled field sheets from which the smooth copy of T-2553 was compiled shows no rock in the vicinity and the only conclusion left is that the rock is the result of an error in drafting. The present survey supersedes the overlapping portion of T-2553.

3. Comparison with Chart 8860 (New Print of July 13, 1939).

Charted topography originating with T-2553 (1901), discussed in par. 2, has already been removed and the present survey applied.

4. Condition of Survey.

Satisfactory.

5. Compliance with Instructions for the Project.

Satisfactory.


6. Additional Field Work Recommended.

None.

7. Superseded Surveys.

T-2553 in part.


Examined and approved:



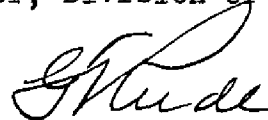
T. B. Reed,
Chief, Section of Field Records.



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.