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Form 504
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT
Type of Survey <u>Topographic</u>
Field No. <u>A-42, B-42</u> Office No. <u>T-6893 a &amp; b</u>
LOCALITY
State <u>Southwest Alaska</u>
General locality <u>Sandman Reefs</u>
Locality <u>Sushilnoi Island to East Rock</u>
<u>194 2</u>
CHIEF OF PARTY
<u>G. C. Mattison</u>
LIBRARY & ARCHIVES
DATE <u>May 22, 1943</u>

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. A-42  
B-42

REGISTER NO.

**6893** a & b

~~CONFIDENTIAL~~

*Southwest*  
State Alaska

General locality Sandman Reefs  
Southwest Alaska

Locality Sushilnoi I. to East Rock  
east end of Sandman Reefs

Scale 1-20,000 Date of survey July-August, 19 42

Vessel U. S. C. & G. S. S. EXPLORER

Chief of party G. C. Mattison

Surveyed by C. J. Wagner

Inked by C. J. Wagner

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

~~Contours, Approximate contours~~ Form line interval 100 feet

Instructions dated March 18, 1938, supp. June 29,, 19 42

Remarks:



T- 6893 a8b

DESCRIPTIVE REPORT

to accompany

Topographic Sheets

A-42 and B-42

INSTRUCTIONS DATED: March 18, 1938, supp. June 29, 1942

PROJECT HT-219

U. S. C. & G. S. S. EXPLORER, G. C. Mattison, Commanding

GENERAL DESCRIPTION

These sheets cover surveys of several detached islands and rocks near the eastern edge of the Sandman Reefs. Some of the islands are grass covered, as indicated by the appropriate symbol. The remainder are bare rocks.

LANDMARKS

As the islands and rocks are their own landmarks, no special list is considered necessary.

CHARACTER OF CONTROL USED

The control is from the triangulation executed in 1940 and 1941.

CLOSING ERRORS OF TRAVERSES RUN

The only traverses run were on Sushilnoi Island for supplemental detail and were not closed. Resection checks were obtained at the various set-ups.

COMPARISON WITH PREVIOUS SURVEYS

There are no previous detailed surveys of this area.

LIST OF NEW NAMES

It was ascertained that there are no local names for the islands and rocks on these sheets. The following names are recommended for the features not already named on existing charts:

✓ RONA ISLAND  
✓ HUNTER ISLAND  
✓ ROSE ISLAND  
✓ SOUTH ROCKS  
✓ EAST ROCK

The following are named the same as shown on existing charts:

✓ JOHN ROCK  
✓ OLGA ROCK  
✓ SUSHILNOI ISLAND

## AUXILIARY SURVEYING METHODS A-42

Due to heavy swells it was impossible to land on the rocks at stations Jack and Son. The shoreline was sketched from the launch and controlled by tangents cut in from plane-table set-ups on Sushilnoi Island and "Rose Island".

B-42

It was also impossible to land the topographic gear on the South Rocks and East Rock. Sextant fixes were taken and plotted on the topo. sheet to be used in conjunction with tangents taken from Olga Rock to locate details around the rocks. A landing was made on East Rock, and sextant angles obtained to details around that rock and to details around South Rocks.

## LIST OF PLANETABLE POSITIONS

see forms 524 inclosed.

STATISTICS	A-42	B-42
Statute miles of shoreline	4.5	0.25
Area in square statute miles	0.5	0.2

Respectfully submitted,

*Clifton J. Wagner*  
Lieut. Clifton J. Wagner.

Approved and forwarded:

Commander G. C. Mattison,  
Chief of Party.

## APPROVAL BY CHIEF OF PARTY

Sheets A-42 and B-42 have been inspected and approved by me. The field work was performed under my occasional supervision. No additional work is considered necessary.  
See Rev. par. 6.

Commander G. C. Mattison  
Chief of Party.

## Remarks

## Decisions

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## GEOGRAPHIC NAMES

Survey No. 6893 a-b

~~CONFIDENTIAL~~

Name on Survey

	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K	
<u>Alaska</u>										1
<u>Southwest Alaska</u>										2
<u>Sandman Reefs</u>										3
<u>Sushilnoi I.</u>										4
<u>John Rock</u>										5
<u>Olga Rock</u>										6
<u>Rose I.</u>										7
<u>Hunter I.</u>										8
<u>Rona Is.</u>										9
<u>South Rocks</u>										10
<u>East Rock</u>										11
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Names underlined in red approved  
by L. Heck on 10/23/43



# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
PHOTOSTAT OF

No. ~~CONFIDENTIAL~~  
No. T 6893 a-b

received May, 29, 1943  
registered June 4, 1943  
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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RETURN TO

82	R.W.Knox
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*RWK*

T 6893 a4t applied to cht. 8703  
before review. Please note below  
any changes made during review.

S.M.C. 6/25/43

no changes made during  
review RHC 4/14/47



T. 6893 a & b previously applied <sup>to 8703</sup> detail inspected and a few minor  
changes made. Before review J. M. A. June 25, 1943

Applied to ckt. 8859 no review J. M. A. June 26, 1943

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-6893a & b

FIELD NO. A-42, B-42

Southwest Alaska, Sandman Reefs, Sushilnoi Id. to East Rock  
Surveyed July - Aug. 1942 Scale 1:20,000  
Instructions dated March 18, 1938 - June 29, 1942

Plane Table Survey

Aluminum Mounted

Chief of Party - G. C. Mattison  
Surveyed by - C. J. Wagner  
Inked by - C. J. Wagner  
Reviewed by - R. H. Carstens, April 14, 1947  
Inspected by - H. W. Murray

1. Adjoining Surveys

The survey covers detached rocks and islets, none of which are shown on surveys covering adjoining areas.

T-6893a adjoins T-6895 (1942) on the north, T-6896 (1942) on the west and T-6894a (1942) on the south. There are no adjoining surveys on the east.

T-6893b adjoins no other surveys.

2. Comparison with Prior Surveys

There are no prior surveys of the area by this Bureau.

3. Comparison with Chart 8703 (Latest print date 11/2/46)

A. Topography

The charted topography originates with the present survey. No further comment is necessary.

B. Magnetic Variation

The observed values for magnetic variation are in substantial agreement with the charted values

B. Magnetic Variation (continued)

except at Rona Island where there is a difference of  $5\frac{1}{2}$  degrees. The index correction of the declinatoire was not determined.

4. Condition of Survey

The sheet was inked neatly.

The Descriptive Report covers all matters of importance except an account of the standardization of declinatoires.


The present survey positions of marked stations, JACK and SON, west of Sushilnoi I. are about 40 meters southwest of the hydrographic positions on H-6588 (1942). The stations were not occupied by the topographic party and might be inaccurately located on the present survey. Descriptive cards, form 524, for these stations state that the tripods over the stations were destroyed during the present season. The shoreline of the islands in the vicinity of these signals was sketched from a launch (Details are given in Descriptive Report, page 2) and an error in the positions of these stations might be reflected in the position of the shoreline. Additional work is recommended in paragraph 6, below.

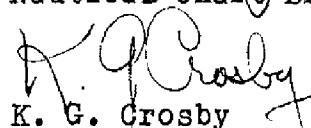
5. Compliance with the Project Instructions

Except as noted in paragraphs 4 and 6 of this review, the present survey adequately complies with the Instructions.

6. Additional Field Work Recommended

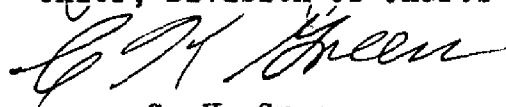
When work is again resumed in this area, the topographic positions of stations JACK and SON should be verified. The shoreline of the islands in the vicinity of these stations should also be verified if the stations are found to be in error.

  
I. E. Rittenburg  
Chief, Nautical Chart Branch

  
K. G. Crosby  
Chief, Section of Hydrography

Examined and approved:

  
C. M. Durgin  
Chief, Division of Charts

  
C. K. Green  
Chief, Division of Coastal Surveys