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Duplicate

To Wash 1/31/40

8802-3

Form 504  
Rev. April 1935

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. B-40

16765

U. S. COAST & GEODETIC SURVEY  
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State Alaska

### LOCALITY

Islands Southeastward of Deer

Island, Sandman Reef, Alaska

Peninsula

1940

CHIEF OF PARTY

L. D. Graham

U. S. GOVERNMENT PRINTING OFFICE 102221

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

REG. NO.

T6765

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-40

REGISTER NO. **T6765**

State Alaska

General locality Sandman Reef, Alaskan Peninsula

Locality Islands southeast of Deer Island

Scale 1--20,000 Date of survey June & August, 19 40

Vessel Steamer DISCOVERER

Chief of party L. D. Graham

Surveyed by Earle A. Dilly

Inked by Earle A. Dilly

Heights in feet above <sup>M</sup>high water to ground ~~to tops of trees~~

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

Instructions dated March 8, 1939; April 6, 1939; Feb. 6, 19 40

Remarks:.....

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET B-40  
ISLANDS SOUTHEASTWARD OF DEER ISLAND

T6765

SANDMAN REEF

ALASKAN PENINSULA

PROJECT NO. HT-219

1940  
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1. Authority:-

The authority for the work embraced by this topographic sheet is embodied in the "Instructions" of the "Director," U. S. Coast and Geodetic Survey to the "Commanding Officer," U. S. S. DISCOVERER dated March 8, 1938 (and supplemental instructions dated April 6, 1939 and February 6, 1940).

2. General Description of the Area:-

The area covered by this survey includes those islets, rocks and breakers on Sandman Reef between latitudes  $54^{\circ} 42' N.$  and  $54^{\circ} 48' N.$  and between longitudes  $161^{\circ} 59.5' W.$  and  $162^{\circ} 10' W.$  The topography in the vicinity of topographic station BIG 1940 was included in sheet C-40. As described below, the topographic features fall into two groups:

a. The group of islets and rocks which lie in the vicinity of triangulation station NIGRUD 1940 is widely scattered. The island on which the triangulation station is located is the largest in the vicinity and from the northwestward and southeastward has the appearance of having two knobs as there is a low gully or rift thru the island. The very top of this islet is grassy. A large kelp bed extends northward of the island to surround two distinct rocks (breakers). The kelp bed swings southward and then westward from the main island around a number of bare, off-lying rocks and forms a small lagoon.

The rocks about 1 mile northeastward of triangulation station NIGRUD 1940 are bare and surrounded by extensive kelp patches.

A small rock cone and a distinct breaker lie approximately 2 miles south-southeastward of triangulation station NIGRUD 1940.

They are also surrounded by kelp.

Topographic station LOVIS 1940 is the highest part of the bare rock which lies about  $1\frac{1}{2}$  mile south-southwestward of triangulation station NIGRUD 1940.

Two and one-quarter miles southwestward of triangulation station NIGRUD 1940 is a lone, high, and nearly circular, bare rock. There are two small, off-lying kelp patches.

b. Triangulation station LONE 1940 is on the northerly and largest of the bare rock islets which form this short chain of rocks and reefs. A narrow kelp area surrounds this group. All of the rocks are bare.

c. A lone breaker is located 4.7 miles south-southwestward from NIGRUD 1940.

### 3. Landmarks:-

The islands themselves are the only landmarks.

### 4. Character of Control:-

Control was furnished by triangulation stations LONE 1940 and NIGRUD 1940 (triangulation of 1940) and by topographic station BIG 1940 which was transferred from sheet C-40. The datum used is Unalaska; the positions are derived from unadjusted field computations.

The marked topographic stations LOVIS 1940 and MICK 1940 were located by intersection and resection on triangulation stations.

### 5. Survey Methods:-

The usual topographic survey methods were used. No traverses



were run. The rock on which signal "BES" is located and the breaker immediately adjacent thereto were located entirely by intersection as landing was impossible. The lone breaker in latitude  $54^{\circ} 42.1' N.$ , longitude  $162^{\circ} 05.9' W.$  was located by single intersection. Other off-lying rocks and reefs were located by direct rod readings.

In inking the sheets the low water line was delineated by a dotted line. This should not be construed to mean sand or pebbly beach. All the islets and rocks are surrounded by rock ledges. As that symbol, used on a survey of this scale would have obliterated much of the essential topographic detail the dotted line was resorted to as an indication of the position of the low water line and of the extent of the rocky ledge which is bare at mean lower low water.

6. Junctions:-

This sheet joins topographic sheet C-40 to the northward; survey sheets J-39 (T-6701) and K-39 (T-6702) lie to the westward.

7. Declination:-

The magnetic declination was determined by means of declinoire No. 199 at the 5 stations listed below. *The declinoire was standardized at Green Lake Mag. station* Topographic stations MAR and JAR are in the immediate vicinity of triangulation station LONE 1940. The declination at MAR was taken to check the large declination at JAR.

<u>a.</u>	Triangulation station NIGRUD 1940	$17^{\circ} 40' E.$
<u>b.</u>	Topographic station JAR 1940	$20^{\circ} 33' E.$
<u>c.</u>	Topographic station MAR 1940	$17^{\circ} 27' E.$
<u>d.</u>	Topographic station LOVIS 1940	$17^{\circ} 31' E.$
<u>e.</u>	Topographic station MICK 1940	$16^{\circ} 37' E.$

8. Place Names:- ~~✱~~

No names for the islets in this area could be ascertained locally.


9. Statistics:-

Area, square statute miles	0.1
Shore line, statute miles	2.2

Respectfully submitted,

  
Earle A. Deily  
H. & G. E.

Approved & Forwarded

  
L. D. Graham  
H. & G. E.  
Commanding DISCOVERER



T-6765

Remarks.

Decisions

1	For title	545620
2	" "	"
3	" "	U.S.G.B.
4		
5	Names have been proposed to the U.S.G.B. for this group of islets and rocks, not named locally nor on any maps or charts. Await Board's decision before applying any name to them.	
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# GEOGRAPHIC NAMES

Survey No. T-6765

GEOGRAPHIC NAMES										
Survey No. T-6765										
Name on Survey	<div>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</div>									
	A.	B.	C.	D.	E.	F.	G.	H.	K.	
<u>Sandman Reefs</u>										1
<u>Deer Island</u>										2
<u>Alaska Peninsula</u>										3
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