

6702

6702

8860

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. FATON, DIRECTOR

DESCRIPTIVE REPORT

Topographic
Hydrographic

Sheet No. T-6702

U. S. COAST & GEODETIC SURVEY

LIBRARY AND ARCHIVES

MAR 14 1940

ACC. NO.

State SW. ALASKA

LOCALITY

GOOSE ISLAND Vicinity

SANDMAN REEFS

S. W. ALASKA

1939

CHIEF OF PARTY

G. C. Jones

U. S. GOVERNMENT PRINTING OFFICE: 1934

4

applicant to Chl. 8860. July 1940. H.S.B.

" " " 8802 Nov. " J.M.A.

" " " 8705 June 1942 H.F.D.

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. K-32

T6702

REGISTER NO. T-6702

State SW ALASKA

General locality Sandman Reefs
ALASKA PENINSULA (SOUTH SIDE)

Locality GOOSE ID., SANDMAN REEFS

Scale 1: 20,000 Date of survey July, 19 39

Vessel DISCOVERER

Chief of party G. C. JONES

Surveyed by P. C. DORAN

Inked by P. C. DORAN

Heights in feet above MHW to ground to tops of trees

~~Contours, if appropriate, should be shown.~~ Form line interval 50 feet

Instructions dated March 18, 1938, 19 39

April 6, 1939

Remarks: _____

DESCRIPTIVE REPORT

TO

ACCOMPANY TOPOGRAPHIC SHEET K-39 (T-6702)

GOOSE ISLAND, SANDMAN REEFS, S.W. ALASKA

AUTHORITY

Work on this sheet, part of project HT-219, was done under instructions dated March 18, 1938, and supplemental instructions of April 6, 1939.

LIMITS

The area covered by the projection on this sheet lies between latitudes $54^{\circ}37'$ N, and $54^{\circ}43'$ N, and longitudes $162^{\circ}06'$ W, and $162^{\circ}20'$ W. This sheet includes GOOSE, the largest island in this area; Little Goose; the island on which LAG-1936 is located; HAY Island, on which is located BURA-1936, and numerous small rock islands in the vicinity.

The north end of this sheet joins sheet J-39 (T-6701) along the 54-34 parallel.

Sheet G-39 (T-6699) adjoins this sheet to the west.

GENERAL DESCRIPTION

This area is in the very heart of SANDMAN REEFS and, as described in the coast pilot, consists of "numerous islands, islets, and rocks". These vary in size from grass covered Goose Island, about 0.6 miles long and 0.4 miles wide, and maximum height of 101 feet to bare rocks extending 2 or 3 feet above Mean High Water. The larger islands are, as shown on sheet, grass covered, while most of the small islands are bare. There are no trees on the islands covered by this sheet. Goose Island has an abandoned shack on it. There is a small amount of water on Goose Island, but

extensive work would be needed to make it available for launches or shore parties. During this past season the HELIANTHUS anchored close in to Goose Island, but no place was found for a well sheltered anchorage, it being necessary to anchor on various sides of the island depending on the wind and sea at the end of the day. The water is deep close to shore, and anchorage in 10 fathoms (about the maximum for the weight of anchors and anchor hoisting gear on launches of HELIANTHUS size) put the launches very close to the beach and a good watch had to be kept if wind became onshore.

LANDMARKS

The only thing in this area that could be used for a landmark is the highest point on Goose Island. This island shows up as a series of low round knobs. The highest one, Station HI, on sheet, shows clearly from all directions.

CONTROL

Three good Second-Order Triangulation Stations, LAG-1936, GOOSE-1936, and BURA-1936, all in the 1936 scheme of Triangulation by the DISCOVERER, Capt. Senior Commanding, were recovered and furnished excellent basic control for this sheet. These stations are on the Unalaska Datum, unadjusted field computations.

TRAVERSES

No traverses were run on this sheet, as everything was located by direct cuts from Triangulation Stations, resections, and independent plane table setups.

AUXILIARY METHODS

Standard plane table methods of cuts and resections were used throughout this sheet. Rocks near shore were located by direct rod readings, while the offlying reefs were located from cuts from various Tri-

angulation Stations with check cuts from numerous other setups.

FORM LINES

Form lines were drawn and checked from off shore for all the islands shown on this sheet.

REVISION WORK

As this is an original survey of this area, no revision work was done.

COMPLETENESS

This sheet is complete as it stands, and covers the entire area of the projection.

PROCEDURE

Standard practice was used throughout this sheet.

JUNCTION

This sheet joins sheet J-39 (T-6701) to the north at the 54-43 N parallel. There is no shore line junction along this line.

To the west, sheet G-39 (T-6699) joins this sheet along the 162-19 W meridian. A rock, bare 2 feet at M. L. L. shown at 54-41 N, and 162-19 W, is common to both sheets.

NAMES

GOOSE Island is already shown on our charts of this area. LITTLE GOOSE is the local name for the large island just to the east of GOOSE. From our chart, the name of the island on which BURA-1936 is located is called HAY Island. As explained in descriptive report for sheet J-39, the local names for the smaller islands are to be secured this next season.

PLANE TABLE POSITIONS

A list of plane table positions of prominent objects and recoverable stations is furnished.

DISTORTION

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

MAGNETIC OBSERVATIONS

Magnetic observations for declination were made at Triangulation Stations LAG-1936, GOOSE-1936, and BURA-1936 with declinatoire No. 161. The scaled values were: LAG-1936, 20°01' E; GOOSE-1936, 17°59' E; BURA-1936, 18°05' E.

STATISTICS

Statute Miles of Shore Line- - - - - 7.9

Area Surveyed in Square Statute Miles- - - - - .42*

*This is the actual area of the islands. The sheet covers all the land and visible dangers to navigation for an area of approximately 45 square nautical miles.

Respectfully submitted,

Philip C. Doran

Philip C. Doran,
H. & G. Engineer,
Ship DISCOVERER.

APPROVED AND FORWARDED:

Geo. L. Bean

Geo. L. Bean,
H. & G. Engineer,
Commanding DISCOVERER.

PLANE TABLE POSITIONS

OBJECT	LAT.	D.M.	LONG.	D.P.	HEIGHT	REMARKS
FIL, WW Rock on high point	54-42	89	162-18	439	16	Crossed banner over mark
DOR, WW Rock on high point	-40	1201	-18	210	23	"
AN, crossed banner on high point	-40	1369	-17	624	18	
TAB, WW Rock on high point	-42	1230	-14	154	11	Crossed banner over mark
DOT, crossed banner on high point	-40	1212	-14	649	10	
TIT, WW on tit of rock	-39	806	-12	673	17	
FAR, Standard Hydro-Disc on high point	-42	1297	-09	853	40	
DIF, crossed banner on high point	-41	830	-09	652	40	
REX, WW Rock	-40	1790	-12	1010	23	
HI, highest knob on Goose Island	-41	233	-13	598	101	Landmark

Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No.

T6702

Name on Survey

	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	
A,	B,	C,	D	E	F	G	H	K	
Sandman Reefs									1
Goose Island									2
Little Goose Island									3
Hay Island									4
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Handwritten notes: "Heck" and "5/16 40"

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

~~No. #~~

No. T

T6702

received March 14, 1940
registered March 18, 1940
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			
22			
24			
25	✓	<i>HH</i>	<i>Pages 1 and 2</i>
26			
30			
40	<i>J</i>	<i>bas</i>	<i>PW</i>
62			
63			
82			
83			
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90			

RETURN TO

82	T. B. Reed
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✓ *TBR*