DESCRIPTIVE REPORT

Topographic

Hydrographic

State: S.W. ALASKA

LOCALITY: GOOSE ISLAND

SANDMAN REEFS

S.W. ALASKA

1939

CHIEF OF PARTY: G. C. Jones

MAR 14 1940
apparently CA. 8860. July 1940.

" " 0802 Nov. 3 PM.

" " 8705 June 1940.
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

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-39

REGISTER NO. T-6702

State ALASKA

General locality ALASKA PENINSULA (SOUTH SIDE)

Locality GOOSE ISLAND, SANDMAN REEFS

Scale 1:20,000 Date of survey July 19, 1939

Vessel DISCOVERER

Chief of party G. C. JONES

Surveyed by P. C. DORAN

Inked by P. C. DORAN

Heights in feet above Mean to ground

Contour interval 50 feet

Instructions dated March 18, 1939

April 6, 1939

Remarks: 

G. D.
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°37' N, and 54°43' N, and longitudes 162°06' W, and 162°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-5701) 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-5699) 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 HURA-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
The scaled values were: LAG-1936, 20°01' E; GOOSE-1936, 17°59' E; BURA-
1936, 16°05' E.

STATISTICS

Statute Miles of Shore Line- - - - - - - - - - - - - - 7.9
Area Surveyed in Square Statute Miles-- - - - - - - - - - - - 4.42*

*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
H. & G. Engineer,
Ship DISCOVERER.

APPROVED AND FORWARDED:

Geo. L. Bean
H. & G. Engineer,
Commanding DISCOVERER.
### Plane Table Positions

<table>
<thead>
<tr>
<th>OBJECT</th>
<th>LAT.</th>
<th>D.M.</th>
<th>LONG.</th>
<th>D.P.</th>
<th>HEIGHT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL, WW Rock on high point</td>
<td>54-42</td>
<td>89</td>
<td>162-18</td>
<td>439</td>
<td>16</td>
<td>Crossed banner over mark</td>
</tr>
<tr>
<td>DOR, WW Rock on high point</td>
<td>-40</td>
<td>1201</td>
<td>-15</td>
<td>210</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>AN, crossed banner on high point</td>
<td>-40</td>
<td>1369</td>
<td>-17</td>
<td>624</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>TAB, WW Rock on high point</td>
<td>-42</td>
<td>1230</td>
<td>-14</td>
<td>154</td>
<td>11</td>
<td>Crossed banner over mark</td>
</tr>
<tr>
<td>DOT, crossed banner on high point</td>
<td>-40</td>
<td>1212</td>
<td>-14</td>
<td>649</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>TIT, WW on tit of rock</td>
<td>-39</td>
<td>806</td>
<td>-12</td>
<td>673</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>FAR, Standard Hydro Disc on high point</td>
<td>-42</td>
<td>1297</td>
<td>-09</td>
<td>853</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>DIF, crossed banner on high point</td>
<td>-41</td>
<td>830</td>
<td>-09</td>
<td>652</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>REX, WW Rock</td>
<td>-40</td>
<td>1790</td>
<td>-12</td>
<td>1010</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>HI, highest knob on Goose Island</td>
<td>-41</td>
<td>233</td>
<td>-13</td>
<td>598</td>
<td>101</td>
<td>Landmark</td>
</tr>
</tbody>
</table>
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing.

<table>
<thead>
<tr>
<th>NAME AND DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION</th>
<th>DATE OF LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEAK</strong>, the northeasterly of two sharp points of equal height—(162 ft.) on Chetna Island. Triangulation Station CHET-1936.</td>
<td>54 57</td>
<td>1107.5</td>
<td>162 22</td>
<td>113.9</td>
<td>Unalaska Tri.</td>
</tr>
<tr>
<td><strong>PEAK</strong>, sharp pyramidal, southerly end Deer Island. Height 1895 feet. Triangulation Station SEA-1939.</td>
<td>54 51</td>
<td>1114</td>
<td>162 16</td>
<td>420</td>
<td></td>
</tr>
<tr>
<td><strong>SLIDE</strong>, gray landslide extending from SLY(T-700) up east side of <strong>PEAK</strong> above mentioned, to very near the top. Δ Frak &quot;E&quot;-1939</td>
<td>54 54</td>
<td>1192</td>
<td>162 16</td>
<td>420</td>
<td></td>
</tr>
<tr>
<td><strong>PEAK</strong>, conical, Deer Id.Ht.1965 ft. Δ Frak &quot;A&quot;-1939</td>
<td>54 54</td>
<td>1152</td>
<td>162 16</td>
<td>420</td>
<td></td>
</tr>
<tr>
<td><strong>PEAK</strong>, sharp, Deer Id., Height 1930°</td>
<td>54 51</td>
<td>82</td>
<td>162 19</td>
<td>420</td>
<td></td>
</tr>
<tr>
<td><strong>PEAK</strong>, sharp, &quot; &quot; &quot; 1750°</td>
<td>54 50</td>
<td>680</td>
<td>162 18</td>
<td>471</td>
<td></td>
</tr>
<tr>
<td><strong>PEAK</strong>, rounded knob, highest point on Goose Id., 101 feet high. HI-Sheet K-39 (T-6702)</td>
<td>54 41</td>
<td>233</td>
<td>162 13</td>
<td>598</td>
<td></td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.
<table>
<thead>
<tr>
<th>Remarks</th>
<th>Decisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>545620</td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td></td>
</tr>
<tr>
<td>M 235</td>
<td></td>
</tr>
<tr>
<td>Name on Survey</td>
<td>A</td>
</tr>
<tr>
<td>-----------------------</td>
<td>---</td>
</tr>
<tr>
<td>Sandman Reefs</td>
<td></td>
</tr>
<tr>
<td>Goose Island</td>
<td></td>
</tr>
<tr>
<td>Little Goose Island</td>
<td></td>
</tr>
<tr>
<td>Hay Island</td>
<td></td>
</tr>
</tbody>
</table>

Legend:
- L: Llevation
- S: Shaded
- H: High
- Y: Year
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT
PHOTOSTAT OF No. T T6702

received March 14, 1940
registered March 16, 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.

<table>
<thead>
<tr>
<th>ROUTE</th>
<th>Initial</th>
<th>Attention called to</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>✔️</td>
<td>Pages 1 and 2</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>✔️</td>
<td>PW</td>
</tr>
<tr>
<td>62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>82</td>
<td></td>
<td></td>
</tr>
<tr>
<td>83</td>
<td></td>
<td></td>
</tr>
<tr>
<td>88</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RETURN TO

82 T. B. Reed