DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
In accordance with standard practice, a few rocks
are being carried forward from former surveys
T 1317 (1872) and T 1588 (1873) as not disproved
in absence of positive information that a thorough
search was made and the rock was not found.

A sunk-in rock in Lat 42 14 05 Long 124 24 19
was shown in red had a pencil note "Did
not observe E.D." It is not considered that
this rock has been disproved and it is carried
forward on the contemporary Hydrographic
survey. In conformity with the practice of
leaving no pencil notations on the survey, this
note has been taken off and is preserved in this
review.

C. W. Johnstone
March 19, 1935
DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET NO. A -- -- -- -- -SCALE 1: 10,000
CURRY COUNTY, OREGON.

Instructions Dated March 13, Supp. May 8, 1928. Str. DISCOVERER

EXTENT: This sheet extends from Cape Sebastian to a point on the shore-line midway between Crook Point and Mack Arch; the off-shore rocks are located south to Mack Arch. Contours and detail topography to the top of the first ridge inshore are included.

GENERAL DESCRIPTION: There is a sandy beach along most of the shore-line, with the high water line at the base of the bluff, except for a distance on either side of the Pistol River where there is a stretch of sand back of the high water line.

The large sand dune south of the Pistol River is slowly progressing inland, over-lying up the trees as it progresses. At present the inshore side of the dune is at the limit of the contours, and has a drop of forty feet to the old ground, in most places.

The land covered by this sheet is used for grazing and is well grassed, with a little brush here and there on the hillsides.

SURVEY METHODS: The shoreline was not transferred from the photo-stat of sheet No. 1588, the old work being on a different scale and a reconnaissance survey.

A closed traverse was run along the shore-line, and control for contours was obtained by both traverse and three point fix, using visible triangulation stations and topographic signals previously located for the fix. Where possible the elevations of tops of hills were obtained by cuts from several positions of the plane table, the elevations not being used if the value as given by the several cuts did not agree within a few feet.

The traverse from Dolan to Sebastian closed with an error of five meters, which was adjusted; and the traverse from Dolan to Clay closed with an error of six meters, which was adjusted.

The area from Crook Point south was originally on sheet 1317, but due to atmospheric conditions and the long distance to Whalehead the work was executed on this sheet.
checking the traverse by resection on Mack Arch, and tying the traverse in with the sheet to the south.

The elevation of the triangulation stations and important topographic signals was determined early in the progress of the work, and was used to check the elevation of the plane table at each set up. A traverse was run south and in-shore from Dolan, to locate features and obtain elevations, and was tied in with the traverse run along the shore-line.

The positions of the offshore rocks were obtained by cuts, taken as the work progressed; the shape of the rocks being obtained by the cuts, and by sketches drawn from several positions around the rock.

**MAGNETICS:** Declinatoire No. 175 was used to obtain the magnetic variation at triangulation station Clay.

Variation read from topographic sheet — 20° 57' E
Correction to declinatoire — — — — — — — — 11

True variation 20° 46' E

Respectfully submitted,

Approved and forwarded:  

Gilbert R. Fish,  
Aid, Topographer.

This survey complies with the general and specific instructions. A more careful comparison of the new work with T. 1317 and T. 1587 should have been made than appears to be the case. A number of rocks which were carefully noted on the old sheets were omitted on the new survey. These omissions were noted on the sheet in the office in red ink. They should be used in completion of new charts.

The field drafting is good, except in the representation of some details. Most of the small dry and broken rocks were of microscopic size, and had to be strengthened in the office. Such features should be shown boldly.

E. P. Leslie, June 1927.
## PLANE TABLE POSITIONS

<table>
<thead>
<tr>
<th>Object</th>
<th>Latitude</th>
<th>D.P.</th>
<th>Longitude</th>
<th>D.M.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nob</td>
<td>-42-13</td>
<td>1727</td>
<td>124-24</td>
<td>-1306</td>
<td>Top of first W'ly rock north of Mack Arch.</td>
</tr>
<tr>
<td>Squ</td>
<td>-14</td>
<td>1012</td>
<td></td>
<td>812</td>
<td>Top of pyramid shaped rock, Elev. 125'</td>
</tr>
<tr>
<td>Pin</td>
<td>992</td>
<td>1281</td>
<td></td>
<td>84</td>
<td>WW rock on small point.</td>
</tr>
<tr>
<td>Bow</td>
<td>1281</td>
<td>136</td>
<td></td>
<td>126</td>
<td>WW near bottom of slope. Elev. about 20'</td>
</tr>
<tr>
<td>Shell</td>
<td>1566</td>
<td></td>
<td></td>
<td>426</td>
<td>WW above cluster of small rocks.</td>
</tr>
<tr>
<td>Sand</td>
<td>-15-1252</td>
<td></td>
<td></td>
<td>602</td>
<td>Triangular signal on beach.</td>
</tr>
<tr>
<td>Spit</td>
<td>-15-71</td>
<td>562</td>
<td></td>
<td>519</td>
<td>Banner signal on beach.</td>
</tr>
<tr>
<td>Top</td>
<td>701</td>
<td>526</td>
<td></td>
<td>519</td>
<td>Flat board signal with black banner on top.</td>
</tr>
<tr>
<td>Hi</td>
<td>1217</td>
<td></td>
<td></td>
<td>519</td>
<td>Signal on beach near Pistol River.</td>
</tr>
<tr>
<td>Lo</td>
<td>1339</td>
<td></td>
<td></td>
<td>203</td>
<td>Banner on bluff N Pistol R.</td>
</tr>
<tr>
<td>Good</td>
<td>17-182</td>
<td>557</td>
<td></td>
<td>335</td>
<td>Cross banner on spit.</td>
</tr>
<tr>
<td>Bush</td>
<td>762</td>
<td></td>
<td></td>
<td>544</td>
<td>Signal on knoll inshore from north end of spit.</td>
</tr>
<tr>
<td>Bron</td>
<td>1011</td>
<td></td>
<td></td>
<td></td>
<td>Cross banner on top of large rock.</td>
</tr>
<tr>
<td>Wash</td>
<td>1149</td>
<td></td>
<td></td>
<td>537</td>
<td>WW on rock near HW north of large rock at mouth of Pistol River.</td>
</tr>
<tr>
<td>Sandy</td>
<td>1367</td>
<td></td>
<td></td>
<td>619</td>
<td>Cross banner on beach.</td>
</tr>
<tr>
<td>Twin</td>
<td>1736</td>
<td></td>
<td></td>
<td>732</td>
<td>WW on W'ly of two rocks.</td>
</tr>
<tr>
<td>Cone</td>
<td>274</td>
<td></td>
<td></td>
<td>-1013</td>
<td>Top of conical rock northeast of group at pt. El. 75'</td>
</tr>
<tr>
<td>Mal</td>
<td>277</td>
<td></td>
<td></td>
<td>963</td>
<td>WW on rock east of Cone.</td>
</tr>
<tr>
<td>Riv</td>
<td>875</td>
<td></td>
<td></td>
<td>944</td>
<td>WW on rock outside of HW, north of Myers Creek.</td>
</tr>
<tr>
<td>White</td>
<td>1093</td>
<td></td>
<td></td>
<td>-1050</td>
<td>WW on top of pointed rock.</td>
</tr>
<tr>
<td>Tip</td>
<td>1295</td>
<td></td>
<td></td>
<td>-1111</td>
<td>WW tip of rock near HW.</td>
</tr>
<tr>
<td>Sig</td>
<td>1613</td>
<td></td>
<td></td>
<td>-1329</td>
<td>Banner on bluff, Elev. 102'.</td>
</tr>
<tr>
<td>Black Rock</td>
<td>1635</td>
<td>124-25</td>
<td>122</td>
<td>WW on top of rock at low water line.</td>
<td></td>
</tr>
<tr>
<td>Tree</td>
<td>19</td>
<td>344</td>
<td></td>
<td>862</td>
<td>Signal cloth in tree.</td>
</tr>
<tr>
<td>Nor</td>
<td>505</td>
<td></td>
<td></td>
<td>-1055</td>
<td>Tree on top of bank.</td>
</tr>
<tr>
<td>Rad</td>
<td>729</td>
<td></td>
<td></td>
<td>488</td>
<td>Radio shack used by shore station.</td>
</tr>
<tr>
<td>Flag</td>
<td>737</td>
<td></td>
<td></td>
<td>106</td>
<td>Banner on hill, Elev. 405'.</td>
</tr>
</tbody>
</table>
STATISTICS FOR TOPOGRAPHIC SHEET NO. 1568-A

Square miles covered - - - - - - - - - - - - - - 4.3 (stat.)
Statute miles of shoreline - - - - - - - - - - - - - - - 10.5
Statute miles of roads - - - - - - - - - - - - - - - 3.0
Statute miles of river shoreline - - - - - - - - - - -4.2
INDEX CORRECTIONS FOR DECLINATOIRES USED IN 1928
U. S. S. DISCOVERER

These corrections were obtained by comparing the Declinatoires with an Declinometer having a known index error.

The Declinometer was set up in a spot free from magnetic disturbance, and a spot located on the horizon bearing true magnetic north from the station. The Declinometer was then removed and a plane table set up at the station. An alidade was then used to obtain a magnetic meridian on the sheet by sighting on the spot previously located on the horizon, after which the Declinatoires were placed on the plane table and a line drawn along the edge, with the needle on zero. The angle between the magnetic meridian as obtained from the Declinometer bearing, and the line drawn along the Declinatoire, gives the error as compared to the Declinometer. The true index error was obtained by applying the index correction for the Declinometer to the error between the Declinometer and the Declinatoire. Declinometer #4 was used in making the comparisons, and the observations and computations for obtaining its index error are forwarded in a separate folder. Declinometer error: 05.9° to west of Magnetic North.

<table>
<thead>
<tr>
<th>Declinatoire No.</th>
<th>Angle as measured</th>
<th>Declinometer Corr.</th>
<th>True Declinatoire Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>94</td>
<td>0</td>
<td>- 6°</td>
<td>- 6°</td>
</tr>
<tr>
<td>118</td>
<td>+49</td>
<td>- 6°</td>
<td>+43</td>
</tr>
<tr>
<td>111</td>
<td>+17</td>
<td>- 6°</td>
<td>+11</td>
</tr>
</tbody>
</table>

+sign denotes angle to east of true magnetic north.
The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

<table>
<thead>
<tr>
<th>Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Charts affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large sand dune, north of Crook Point, 220' high at S.E. end, and sloping northward.</td>
<td>42° 15'</td>
<td>124° 24'</td>
<td>N.A.</td>
<td>Topo 5702</td>
</tr>
<tr>
<td>Cape Sebastian (See Descriptive Report for Hydro. Sheet 1)</td>
<td>43° 19'</td>
<td>121° 28'</td>
<td>987</td>
<td></td>
</tr>
<tr>
<td>Wreck Arch (See Descriptive Report for Hydro. Sheet 1)</td>
<td>133° 13'</td>
<td>124° 24'</td>
<td>911</td>
<td></td>
</tr>
<tr>
<td>Large white building, green roof.</td>
<td>43° 16'</td>
<td>124° 23'</td>
<td>979</td>
<td>N.A., Topo 5702</td>
</tr>
</tbody>
</table>

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance. The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
WASHINGTON
October 19, 1929.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4400
Mack Arch to Cape Sebastian, Oregon
Surveyed in 1928

Instructions dated March 13 and May 8, 1928 (DISCOVERER)

Chief of Party, F. G. Engle.

Surveyed and inked by C. R. Fish.

1. This survey complies with the General and Specific Instructions.

2. A more careful comparison of T. 1317 and T. 1588 should have been made than appears to have been done. A number of rocks which were carefully located on the old sheets were omitted on the new survey. There were no notes to indicate that they were searched for.

These omissions were added in the office to the sheet in red ink. They should be used in compilation of new charts.

3. The field drafting is good, except in the representation of rock details. Most of the small dry rocks and sunken rocks were of microscopic size, and had to be strengthened in the office. Such features should be shown boldly.

4. Reviewed by E. P. Ellis, June, 1929.

Approved:

Chief, Section of Field Records (Charts)

Chief, Section of Field Work (H. & T.)

Chief, Division of Charts

Chief, Div. of Hyd'y and Top'y
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 Letter A

REGISTER NO. 4400

State OREGON

General locality CUNY COUNTY Cape Sebastian
Mack Arch to Cape Sebastian
Locality Cape Sebastian to Mack Arch

Scale 1:10,000 Date of survey Sept. & Oct., 1929

Vessel U.S.C.& G.M.S. DISCOVERER

Chief of Party F. G. Neale

Surveyed by Gilbert R. Fish

Inked by Gilbert R. Fish

Heights in feet above HW to ground tidal elevations

Contour approximate contour interval 20 feet

Instructions dated March 13, 14 Supp. May 8, 1929

Remarks

U.S. GOVERNMENT PRINTING OFFICE: 1927