DESCRIPTIVE REPORT

State

WASHINGTON

LOCALITY

Columbia River

Mogler to Three Tree Point

1935

CHIEF OF PARTY

Robert W. Knox
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...

REGISTER NO. T6384a

State. Washington

General locality. Columbia River

Locality. Megler to Grays Point.

Scale. 1:10,000

Date of survey. April, 1935

Vessel.

Chief of Party. Robert W. Knox

Surveyed by. R. S. Thompson

Inked by. R. W. K.

Heights in feet above. MSL to ground to tops of trees.

Contour. Approximate contour form line interval feet.

Instructions dated. February 15, 1935

Remarks.
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: HH

REGISTER NO. T6384b

State: Washington

General locality: Columbia River

Locality: Grays Point to Harrington Point

Scale: 1:10,000

Date of survey: May, 1935

Vessel:

Chief of Party: Robert W. Knox

Surveyed by: R. S. Thompson

Inked by: R. W. K

Heights in feet above MSL: to ground, to tops of trees

Contour Approximate contour Form line interval: feet

Instructions dated: February 15, 1935

Remarks:
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 T6385a

REGISTER NO.

State: Washington

General locality: Columbia River

Locality: Harrington Point to Pillar Rock

Scale: 1:10,000 Date of survey: June, 1935

Vessel:  

Chief of Party: Robert W. Knox

Surveyed by: R. S. Thompson

Inked by: R W K

Heights in feet above MSL to ground to tops of trees

Contour Approximate contour Form line interval feet

Instructions dated: February 15, 1935

Remarks:

__________________________________________________________________________________________

U. S. GOVERNMENT PRINTING OFFICE 1925
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: JJ TF385 b

REGISTER NO.

State: Washington

General locality: Columbia River

Locality: Jim Crow Pt. Pillar Rock to Three Tree Point

Scale: 1:10,000 Date of survey: June, 1935

Vessel:

Chief of Party: Robert W. Knox

Surveyed by: K. S. Thompson

Inked by: RWK

Heights in feet above MSL to ground to tops of trees

Contour Approximate contour Form line interval: feet

Instructions dated: February 15, 1935

Remarks:

________________________________________________________

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEETS
NOS. H, HH, J AND JJ
Scale 1:10,000

COLUMBIA RIVER  WASHINGTON  MEGLER TO THREE TREE PT.


GENERAL DESCRIPTION: The four topographic sheets, H, HH, J and JJ, are a survey of the Washington side of the Columbia River from the town of Megler to Three Tree Point, a distance of about 20 statute miles. The hills, or mountains, on this side of the river are approximately of the same elevation, in the order of a thousand feet, and for the most part break sharply to the river's edge. They are covered with a dense growth of vegetation, second growth conifers, alders, vine maple, devil's club and other brush.

In order to make the sheets complete, the mean lower low water line was transferred to them from the smooth hydrographic sheet and the mud flats or marshy portions or sand banks were inked with the proper symbol, the data for which was obtained from notes of the topographer, hydrographer and from bottom specimens as noted in the sounding volumes. The buoy locations were likewise obtained from the hydrographic sheets.

CONTROL: The control used for the survey of these sheets is from the triangulation scheme executed by this party during the past season. No old stations were used whose positions had not been re-determined.

SURVEY METHODS: Standard survey methods were used. Before field work was begun the instrument was adjusted, the rods were tested on a measured base and several four-meter rods were graduated so that longer half-interval sights might be taken along the traverse.

Plane table traverses were run between triangulation stations and three point fixes. Sufficient triangulation were available to obviate the necessity of long traverses. No record of closing errors could be found, but the topographer, Mr. R. S. Thompson, periodically reported to the writer that with the exception of one traverse in the vicinity of Megler on sheet H closures were neglectable.

The U. S. Engineers plane coordinate grid system was overlaid on the sheets as it appears that that Bureau
will make a continued use of the sheets in their periodic surveys of the channels. The position of the grid with respect to the geographic system was computed from the four corner intersections of lines of latitude and longitude in the case of each sheet and checked by at least two triangulation stations whose positions had been reduced to the plane coordinate system.

MAGNETIC MERIDIAN: The declinometer used in the determination of the magnetic meridians appearing on the sheets was standardized against compass declinometer No. 22 and found to have an error of +53 minutes. The meridians as they appear on the sheets should, therefore, be moved eastward that amount.

NOTES ON INDIVIDUAL SHEETS: The following part of this report covers notes on each sheet and deals with specific items that are not of a general nature. The notes on each sheet have been typed separately.
Sheet H

The previous survey in this area is covered by sheet registry No. 1139a, surveyed in 1869. A comparison of the two surveys shows but very little change in the shore line, the most pronounced being the difference in the shape of the point forming the south side of Hungry Harbor.

Geographic names are correct as they appear upon the published chart.

The state of Washington has recently outlawed fishing by means of fishtraps, and those shown on the sheet are in a more or less delapidated state of repair.

Statistics:

Statute miles of shore line = 6.7
The previous survey in this area is covered by sheet registry No. 1139a, surveyed in 1869. A comparison of the two surveys shows a few minor and one rather large difference in the shore line;

a) In the vicinity of aCla the present survey shows that the shore line has receded about 30 meters.

b) The islet upon which aIsle is situated was originally shown as a point projecting into the bay.

c) Considerable difference in the delineation of the shore line from the west bank of Deep River, eastward, is noted. This difference reaches a maximum at aMouth, where the discrepancy is about 120 meters.

d) The present survey shows a point immediately north of Yellow Bluff, not shown on the 1869 survey.

The state of Washington has recently outlawed fishing by means of fishtraps, and those shown on this sheet are in a more or less delapidated state of repair.

Statistics:

Statute miles of shore line = 11.7
Sheet J

The previous survey in this area was covered by sheets registry numbers 1249 and 1235, surveyed in 1870. A comparison of the two surveys shows but slight differences, none of which are believed to be important. The following, however, are listed:

a) The present survey shows a point upon which o Erk is located, not previously shown.

b) At o Jo the 1935 survey shows a point rounded off about 30 meters north of the 1870 survey.

c) The present survey shows the shoreline behind the Elliott Cannery to be about 20 meters south of the original survey.

The high water line of the islands upon which o Dump and Sands, and o Drift and Wood are located was run in with sextant fixes, that method being deemed of sufficient accuracy for the purpose.

Geographic names are correct as they appear upon the published charts.

Statistics:

Statute miles of shore line = 9.1
Sheet JJ

The previous survey in this area was covered by sheet registry number 1235, surveyed in 1870. A comparison of the two sheets shows but slight differences along the Washington bank of the river, but great differences in the shape, size, and location of the several islands in the river. Important differences follow:

a) Along the Washington bank the recent survey shows the heights in the vicinity of Otten and Pile2 to be about 20 and 30 meters deeper, respectively.

b) The small marshy island upon which Ot Hit and Ot Miss are located now appears to be much smaller in size than originally shown and about 500 meters to the northwest.

c) The present delineation of Woody Island shows it to be of smaller area than originally shown. This is not thought to be due to differences in the interpretation of the high water line, as that line appears to be quite definite.

The island to the south of Woody Island was not completely surveyed, the topographer reporting that it was impossible for him to determine the position of the high water line. The Chief of Party afterwards made a field inspection of the area with the idea of running in the remaining shore line with sextant fixes. The ground is of such a nature that even an approximate determination of the high water line could not be made without establishing a tide staff, determining the value of mean high water thereon and carrying this value around the island with the plane table. The shore line has therefore been shown as approximate and will be re-surveyed when field work is again undertaken in the vicinity.

Geographic names are correct as they appear on the chart.

Statistics:

Statute miles of shore line = 10.9
### Plane-table positions
#### Sheet II

<table>
<thead>
<tr>
<th>Object or name of signal</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Megler Rear Range</td>
<td>46° 15'</td>
<td>123° 51'</td>
<td>308' gable, small red rock house</td>
</tr>
<tr>
<td>Red</td>
<td>46° 15'</td>
<td>123° 50'</td>
<td>826' black tank on dock, Hungry Harbor</td>
</tr>
<tr>
<td>Hun</td>
<td>46° 15'</td>
<td>123° 50'</td>
<td>640' gable small white house</td>
</tr>
<tr>
<td>How</td>
<td>46° 15'</td>
<td>123° 51'</td>
<td>995' gable of barn</td>
</tr>
<tr>
<td>Barn</td>
<td>46° 16'</td>
<td>123° 49'</td>
<td>407' flagpole on grounds, Quarantine Station</td>
</tr>
<tr>
<td>Ast</td>
<td>46° 16'</td>
<td>123° 49'</td>
<td>410' old tripod</td>
</tr>
<tr>
<td>Box</td>
<td>46° 16'</td>
<td>123° 48'</td>
<td>313' southwest corner dock Knappton</td>
</tr>
<tr>
<td>Jack</td>
<td>46° 16'</td>
<td>123° 48'</td>
<td>461' northeast corner dock Knappton</td>
</tr>
<tr>
<td>Nor</td>
<td>46° 16'</td>
<td>123° 48'</td>
<td>647'</td>
</tr>
<tr>
<td>Knappton Lt.</td>
<td>46° 16'</td>
<td>123° 48'</td>
<td>652'</td>
</tr>
<tr>
<td>Ded</td>
<td>46° 16'</td>
<td>123° 49'</td>
<td>871' prominent dead tree</td>
</tr>
<tr>
<td>Gab</td>
<td>46° 16'</td>
<td>123° 48'</td>
<td>1040' gable small white house</td>
</tr>
<tr>
<td>Ole</td>
<td>46° 15'</td>
<td>123° 45'</td>
<td>1800' northeast corner fish-house on piling</td>
</tr>
<tr>
<td>Rok</td>
<td>46° 16'</td>
<td>123° 46'</td>
<td>695' center, house on end of pier</td>
</tr>
<tr>
<td>Ol</td>
<td>46° 16'</td>
<td>123° 45'</td>
<td>773' Grays Pt Light housing</td>
</tr>
<tr>
<td>Grays Pt Lt</td>
<td>46° 16'</td>
<td>123° 45'</td>
<td>767'</td>
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scaled by RWK

ck by KMcB
<table>
<thead>
<tr>
<th>Object or name of signal</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Po</td>
<td>46 16</td>
<td>123 45</td>
<td>white door (or doorway), center</td>
</tr>
<tr>
<td></td>
<td>1170</td>
<td>402</td>
<td>river face of dock house</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>river gable house on pier</td>
</tr>
<tr>
<td>Dok</td>
<td>46 16</td>
<td>123 45</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td>1157</td>
<td></td>
<td>white washed dolphin</td>
</tr>
<tr>
<td>Fi</td>
<td>46 17</td>
<td>123 45</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>36</td>
<td></td>
<td>white washed pile</td>
</tr>
<tr>
<td>It</td>
<td>46 17</td>
<td>123 43</td>
<td>579</td>
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<tr>
<td></td>
<td>1004</td>
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<td>range board</td>
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<td>Ra</td>
<td>46 17</td>
<td>123 43</td>
<td>463</td>
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<tr>
<td></td>
<td>1375</td>
<td></td>
<td>white washed shed</td>
</tr>
<tr>
<td>Shed</td>
<td>46 18</td>
<td>123 42</td>
<td>1082</td>
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<tr>
<td></td>
<td>395</td>
<td></td>
<td>cloth on piling</td>
</tr>
<tr>
<td>A</td>
<td>46 18</td>
<td>123 42</td>
<td>708</td>
</tr>
<tr>
<td></td>
<td>1112</td>
<td></td>
<td>tripod</td>
</tr>
<tr>
<td>B</td>
<td>46 18</td>
<td>123 41</td>
<td>373</td>
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<td>563</td>
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<td>pile</td>
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<td>C</td>
<td>46 18</td>
<td>123 41</td>
<td>57</td>
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<td>762</td>
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<td>pile</td>
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<td>D</td>
<td>46 18</td>
<td>123 41</td>
<td>152</td>
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<tr>
<td></td>
<td>558</td>
<td></td>
<td>pile</td>
</tr>
<tr>
<td>Caf</td>
<td>46 18</td>
<td>123 41</td>
<td>226</td>
</tr>
<tr>
<td></td>
<td>436</td>
<td></td>
<td>white washed pile</td>
</tr>
<tr>
<td>Cow</td>
<td>46 18</td>
<td>123 41</td>
<td>381 top of pile</td>
</tr>
<tr>
<td></td>
<td>155</td>
<td></td>
<td>pile with 2 vertical extensions</td>
</tr>
<tr>
<td>Ex</td>
<td>46 17</td>
<td>123 42</td>
<td>590</td>
</tr>
<tr>
<td></td>
<td>1496</td>
<td></td>
<td>top of leaning pile</td>
</tr>
<tr>
<td>Slo</td>
<td>46 17</td>
<td>123 41</td>
<td>959</td>
</tr>
<tr>
<td></td>
<td>1713</td>
<td></td>
<td>top of leaning pile with flag</td>
</tr>
<tr>
<td>Tip</td>
<td>46 17</td>
<td>123 41</td>
<td>1106</td>
</tr>
<tr>
<td></td>
<td>1595</td>
<td></td>
<td>dolphin</td>
</tr>
<tr>
<td>Sit</td>
<td>46 17</td>
<td>123 42</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>588</td>
<td></td>
<td>dolphin</td>
</tr>
<tr>
<td>Duo</td>
<td>46 17</td>
<td>123 40</td>
<td>1073</td>
</tr>
<tr>
<td></td>
<td>223</td>
<td></td>
<td>two piles together</td>
</tr>
<tr>
<td>Rik</td>
<td>46 17</td>
<td>123 40</td>
<td>1060</td>
</tr>
<tr>
<td></td>
<td>1372</td>
<td></td>
<td>tallest pile</td>
</tr>
</tbody>
</table>

scaled by RMK
ck by KMoB
### Plane-table Positions

**Sheet J**

<table>
<thead>
<tr>
<th>Object or name of signal</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ri</td>
<td>46 15 1830'</td>
<td>123 39 1137'</td>
<td>River gable, gray dock house</td>
</tr>
<tr>
<td>Hot</td>
<td>46 15 1827'</td>
<td>123 39 1014'</td>
<td>White door fishouse on pier</td>
</tr>
<tr>
<td>Flag</td>
<td>46 15 1745'</td>
<td>123 39 321'</td>
<td>Altoona Cannery flagpole</td>
</tr>
<tr>
<td>Ran</td>
<td>46 16 63'</td>
<td>123 39 250'</td>
<td>Harrington Pt Rear Range</td>
</tr>
<tr>
<td>Tin</td>
<td>46 15 1732'</td>
<td>123 39 75'</td>
<td>River gable of shed</td>
</tr>
<tr>
<td>Jo</td>
<td>46 15 1708'</td>
<td>123 38 1280'</td>
<td>River gable white house</td>
</tr>
<tr>
<td>Taf</td>
<td>46 15 1678'</td>
<td>123 38 377'</td>
<td>Tide staff (USE)</td>
</tr>
<tr>
<td>Ab1</td>
<td>46 15 1681'</td>
<td>123 37 990'</td>
<td>Porch gable white house</td>
</tr>
<tr>
<td>Lite</td>
<td>46 15 1149'</td>
<td>123 36 912'</td>
<td>Old light stanchion Elliott Pt</td>
</tr>
<tr>
<td>Range board</td>
<td>46 15 1168'</td>
<td>123 36 863'</td>
<td>Old range board Elliott Pt</td>
</tr>
<tr>
<td>Giv</td>
<td>46 15 623'</td>
<td>123 40 173'</td>
<td>Miller Sands Channel &quot;1&quot;</td>
</tr>
<tr>
<td>Lou</td>
<td>46 15 621'</td>
<td>123 39 535'</td>
<td>Miller Sands Channel &quot;3&quot;</td>
</tr>
<tr>
<td>Mill</td>
<td>46 15 730'</td>
<td>123 38 988'</td>
<td>North gable Miller Sands fishouse</td>
</tr>
<tr>
<td>Lar</td>
<td>46 15 129'</td>
<td>123 36 238'</td>
<td>up-ended butt of stranded tree</td>
</tr>
<tr>
<td>Drif</td>
<td>46 15 92'</td>
<td>123 35 991'</td>
<td>up-ended butt of stranded tree</td>
</tr>
<tr>
<td>Wood</td>
<td>46 15 124'</td>
<td>123 35 704'</td>
<td>Diamond shaped target on pole</td>
</tr>
</tbody>
</table>

**Sheet JJ**

| Con                      | 46 15 1576' | 123 33 725' | River gable house on pier |
| Pile                     | 46 15 1716' | 123 33 117' | white washed lone pile |
| Pile 2                   | 46 16 120' | 123 31 668' | white washed lone pile |

Scaled by KMK
ok by KMcB
Description of temporarily marked topographic station on sheet JJ

<table>
<thead>
<tr>
<th>Station</th>
<th>Description</th>
<th>Station</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Woo</td>
<td>stake, flag</td>
<td>And</td>
<td>stake, flag</td>
</tr>
<tr>
<td>Sis</td>
<td>snag, gi</td>
<td>Tug</td>
<td>snag, gi</td>
</tr>
<tr>
<td>Isle</td>
<td>flag, stake</td>
<td>East</td>
<td>flag, stake</td>
</tr>
<tr>
<td>West</td>
<td>flag, stake</td>
<td>End</td>
<td>flag, stake</td>
</tr>
<tr>
<td>Tin</td>
<td>stump, gi</td>
<td>2 x 4</td>
<td>2x4 nailed to snag</td>
</tr>
<tr>
<td>Hit</td>
<td>flag, stake</td>
<td>Miss</td>
<td>flag, stake</td>
</tr>
<tr>
<td>Pug</td>
<td>cloth banner, stake</td>
<td>Five</td>
<td>5 foot pole</td>
</tr>
<tr>
<td>Sign</td>
<td>sign, stake</td>
<td>Que</td>
<td>flag</td>
</tr>
</tbody>
</table>

gi = marked by square piece of galvanized iron nailed to signal
stake = marked by 5 foot stake driven into ground and projecting about two feet.

The above stations were marked to preserve their locations until such time as the hydrography in this vicinity could be accomplished.

Respectfully submitted:

Robert W. Knox,
Chief of Party.
APPROVAL OF CHIEF OF PARTY.

Topographic sheets numbers H, HH, J and JJ have been inspected and approved by me. The field work was done under my occasional supervision, the office work by myself. Except as noted under sheet JJ in respect to the island south of Woody Island, no additional work is considered necessary.

[Signature]

Robert W. Knox,
Chief of Party.
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>K</th>
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</thead>
<tbody>
<tr>
<td>Washington</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td>1</td>
</tr>
<tr>
<td>Megler</td>
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<td>Hungry Harbor</td>
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<td>U.S. Quarantine Reservation</td>
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<td>Knappton</td>
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Names underlined in red approved by O'Toole on 12-3-36.
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Names underlined in red approved by [Signature] on 1-25-36.
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT
PHOTOSTAT OF
No. T 6384a&b
6385a&b

received Dec. 28, 1935
registered Jan. 20, 1936
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.

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RETURN TO
82

Jan. 21, 1936
C. K. Green
Title (Par. 56) Megler to Grays Point, Washington

Chief of Party R.W. Knox Surveyed by R.S. Thompson Inked by R.W. Knox

Ship Field Party Instructions dated Sept. 15, 1935 Surveyed in April 1935

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for contours-formlines—was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.)

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) None submitted

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) See Page 16 for a discussion of the M.I.C.W. line.

9. Reck and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

See reverse side

10. The span, draw and clearance of bridges are shown. (Par. 16c.)

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The tree line was shown on mountains. (Par. 16e.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.
Paragraph 9

H250 – H273 (1851)

These two surveys are primarily hydrographic surveys. The shore line on these surveys are only comparable to the present topographic survey in a very general way. Very little detail of shore line is shown on the surveys of 1851.

T1139a (1869)

A comparison of this survey with the present survey is made on Page 3 of the Descriptive Report. In general the natural shore line is the same. There are quite a few man made changes such as docks and traps.

T6384a supersede H250, H273 and T1139a in part.

The latest edition of Chart 5902 does not show the docks as they now exist.
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.) None Submitted

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 166, 6, 60.) None Submitted

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) Declinazione error +5°. No magnetic meridian shown

18. The geographic datum of the sheet is N.A. 1927 (Unadjusted) and the reference station is correctly noted. (Par. 34.) Field Computations used


20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.)

22. No additional surveying is recommended.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review by

24. Remarks:


Examined and approved:

Chief, Section of Field Records  
Chief, Section of Field Work  
Chief, Division of Maps  
Chief, Division of Hyd. and Top.
Title (Par. 56) Grays Point to Harrington Point, Washington

Chief of Party R.W. Knox Surveyed by R.S. Thompson Inked by R.W. Knox

Ship Field Party No. 9 Instructions dated Feb. 15, 1935 Surveyed in May 1935

1. The survey and preparation for it to conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.)

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 26.) None submitted

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral-reefs and rookes, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) See page 1 of the Descriptive Report for a discussion of the L.W. line.

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

See Reverse Side

10. The span, draw and clearance of bridges are shown. (Par. 16c.)

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The tree line was shown on mountains. (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.
Paragraph 9

T1249 (1970)

A comparison of this survey with the present survey is adequate as shown on Page 4 of the Descriptive Report, the major differences being discussed there. Rocks shown on T1249 around Harrington Point are either within the L.W. line on the present survey, or are disproved by the contemporary Hydrographic Survey #5927.

T6384b supersedes T1249 in part.

Discrepancies on Chart 5902, as compared with the present survey, are as stated under T1249 as near as can be compared with such a difference in scale between the chart and the present survey.
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPAs, 68.) None submitted.

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) None submitted.

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) Declinatioine error +5.4°* Meridian on sheet corrected for declinatioine error.

18. The geographic datum of the sheet is N.A. 1927 (Unadjusted) and the reference station is correctly noted. (Par. 34.) Values from Field Computations Used.


20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 65k.)

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 43, 42, 45, 46, 47, 48, 49, 50.)

22. No additional surveying is recommended. Signals Nag, Corn, HoF, Cor, Bay should be cleared by field party. These signals are in the water with no note as to their nature.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review by.

24. Remarks:


Examined and approved:

E. R. Green
Chief, Section of Field Records

Fred. R. Peacock
Chief, Section of Field Work

L. O. Delbart
Chief, Division of Charts

Chief, Division of Hyd. and Top.
REVIEW OF TOPOGRAPHIC SURVEY No. 6385a

Title (Par. 56) Harrington Point to Pillar Rock, Washington

Chief of Party R.W. Knox Surveyed by R.J. Thompson Inked by R.W. Knox

Ship Field Party 29 Instructions dated Feb 19, 1935 Surveyed in June, 1935

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) Lights are not shown but are omitted in favor of triangulation symbol.

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.)

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) None submitted.

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral reefs, and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) See Page 1 of the Descriptive Report for a discussion of the L.W. line.

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) See Reverse Side.

10. The span, draw and clearance of bridges are shown. (Par. 16c.)

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The tree line was shown on mountains. (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.
Paragraph 9

T1249 (1870) and T1235 (1870)

A comparison of these two surveys with the present survey is made on page 5 of the descriptive report of the present survey. Rocks shown on the surveys of 1870 are within the L.W. line on the present survey. None of these rocks are shown on Chart 6152.

T6385a supersedes T1249 and T1235 in part.
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required - in aero-topography relative to type of photographs, method of compilation - and type of ground control.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) None Submitted.

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) None Submitted.

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) Declination Error +53° No magnetic meridian shown.

18. The geographic datum of the sheet is NAD 1927 (Unadjusted) and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate.
- Joint 0 386 (1935) on the South.

20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 48, 49, 50.)

22. No additional surveying is recommended. Ellar rock is not shown on the survey. It will be referred to the Field Party for information as to size and height of this rock.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review.

24. Remarks: It was only topographic survey described. It is so close to shore that it is recommended that it be referred to the Field Party.

Reviewed in office by Chief, Section of Field Work
June 22, 1936.

Examined and approved:

Chief, Section of Field Records
Chief, Division of Field Work

Chief, Division of Charts
Chief, Division of Hyd. and Top.
REVIEW OF TOPOGRAPHIC SURVEY No. 63856

Title (Par. 58) San Juan Pt. to Three Tree Point, Wash.

Chief of Party R.W. Knox Surveyed by R.S. Thompson Inked by R.W. Knox

Ship Field Party #9 Instructions dated Feb. 15, 1925 Surveyed in June, 1925

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.)

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) None Submitted

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) See page 1 of the Descriptive Report for a discussion of the L.W. line. See also Page 6 for the marsh islands companion

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

See Reverse Side

10. The span, draw and clearance of bridges are shown. (Par. 16c.)

11. Locations and elevations of summits are given. (Par. 19, 31.)

12. The tree line was shown on mountains. (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.
Paragraph 9

T1235 (1870)

This survey is in good agreement along the Washington shore with the present survey. A thorough comparison of the two surveys is made on page 6 of the Descriptive Report.

These same differences also apply to Chart 6152.

T6385 supersedes T1235 (1870) in part.
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) Non submitted

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) Non submitted

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) Declinatoire error +53°

18. The geographic datum of the sheet is N.A.1927 (Used) and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate.

20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) Symbols for triangulation should not cover topographic features.

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.)

22. No additional surveying is recommended. Field Party should advise nature of and who.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review by

24. Remarks:

Reviewed in office by Charles B. Buck June 23, 1936.

Examined and approved:

C. H. Green
Chief, Section of Field Records

Fred L. Peacock
Chief, Section of Field Work

L. J. Holbert
Chief, Division of Charts

Fred
Chief, Division of Hyd. and Top.