# Descriptive Report

**Type of Survey** Topographic  
**Field No.** Ph-62(49)  
**Office No.** T-9517

## Locality

**State** Washington  
**General Locality** Grays Harbor  
**Locality** Point Brown

**194/50-55**

**Chief of Party**  
C. W. Clark, Chief of Party  
J. C. Sammons, Balto. Photo. Office

## Library & Archives

**Date** June 5, 1958
DATA RECORD

T-9517

Project No. (II): Ph-62(49)  Quadrangle Name (IV):

Field Office (II): Copalis Beach, Washington  Chief of Party: Charles W. Clark
Westport, Washington
Photogrammetric Office (III): Baltimore, Maryland  Officer-in-Charge: Jack C. Sammons

Instructions dated (II) (III): 20 March 1951  Copy filed in Division of
Supplement 1 dated: 15 February 1952  Photogrammetry (IV)
Letter No. 73-sal dated: 24 May 1951

Method of Compilation (III): Air Photographic (Multiplex and Kelsh)

Manuscript Scale (III): 1:10,000  Stereoscopic Plotting Instrument Scale (III): 1:10,000
Scale Factor (III): 1,000  OCT 5 - 1953

Date received in Washington Office (IV):  Date reported to Nautical Chart Branch (IV): OCT 19 1953
Applied to Chart No.  Date:  Date registered (IV): 22 OCT 1957

Publication Scale (IV):  Publication date (IV):
Geographic Datum (III): NA 1927  Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (a) refer to mean high water
Elevations shown as (g) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): MARSH, 1911
Lat.: 46° 58' 48.055" Long.: 124° 08' 17.760" Adjusted

Plane Coordinates (IV):
State: WASHINGTON  Zone: South
Y =  
X = 

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
Areas contoured by various personnel
(Show name within area)
(II) (III)
DATA RECORD
T-9517

Field Inspection by (II): K. Huey

Planetary contouring by (II):

Completion Surveys by (II): Charles H. Bishop

Mean High Water Location (III) (State date and method of location):
July 11, 1950 and June 16, 1951 - Photogrammetric
July 8, 1952 - Planetary; Sept. 15, 1951, Theodolite Cuts
See item 35, Compilation Report

Projection and Grids ruled by (IV): J. Allen
Date: Nov. 11, 1951
Date: Nov. 27, 1951
Date: Nov. 5, 1952

Projection and Grids checked by (IV): H. D. Wolfe

Control plotted by (III): B. Wilson

Control checked by (III): A. K. Heywood

Radial Plot or Stereoscopic
Control extension by (III): E. L. Rolle

Stereoscopic Instrument compilation (III):
Planimetry E. H. Taylor
Contours J. C. Richter

Manuscript delineated by (III): J. Y. Councill

Photogrammetric Office Review by (III): A. K. Heywood

Elevations on Manuscript
checked by (II) (III): A. K. Heywood

All shoreline areas mentioned in paragraph #35 of the Descriptive Report
have been relocated during Field Edit by planetary.
The UNWIL LINES ON THE PACIFIC OCEAN WAS ALSO RELOCATED
AT TIME OF FIELD EDIT.

Form 1 Page 3
Camera (kind or source) (III):

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>50-0-1577</td>
<td>7/11/50</td>
<td>13:28</td>
<td>1:24,000</td>
<td>*</td>
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<tr>
<td>thru 50-0-1583</td>
<td>6/16/51</td>
<td>13:22</td>
<td>&quot;</td>
<td>4.1 above MLLW</td>
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<tr>
<td>51-0-7136</td>
<td>7/11/50</td>
<td>12:55</td>
<td>&quot;</td>
<td>*</td>
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<tr>
<td>51-0-1519</td>
<td>7/11/50</td>
<td></td>
<td>&quot;</td>
<td>3.3 above MLLW</td>
</tr>
</tbody>
</table>

* On Pacific Ocean side 3.3 above MLLW
On North Bay side 4.1 above MLLW

Tide (III) from predicted tables. Diurnal

<table>
<thead>
<tr>
<th>Reference Station: ABSECON, GRAYS HARBOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subordinate Station: PT. GREENVILLE</td>
</tr>
<tr>
<td>Subordinate Station: PT. CIEHALIS</td>
</tr>
</tbody>
</table>

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 9
Shoreline (More than 200 meters to opposite shore) (III): 15
Shoreline (Less than 200 meters to opposite shore) (III): 0
Control Leveling - Miles (II): 3
Number of Triangulation Stations searched for (II): 19
Number of BMs searched for (II): 0
Number of Recoverable Photo Stations established (III): 4
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

1 horizontal control station identified is fourth-order topo station.
Summary
To Accompany Descriptive Report T-9517

Topographic map T-9517 is one of 14 similar maps in Project Ph-62. It covers the peninsula jutting into North Bay.

This is a multiplex project in advance of hydrographic surveys to be made in the same area.

The field operations preceding compilation included complete field inspection, the establishment of some additional horizontal control and the determination of elevations necessary to control a multiplex project vertically.

The multiplex compilation was at a scale of 1:10,000. The manuscript consists of two vinylite sheets each 33 3/4' in latitude by 7 1/2' in longitude.

The entire map was field edited. It is to be published by the Geological Survey at a scale of 1:62,500 as a standard topographic quadrangle.

The registered copies under T-9517 will include a cronar film positive.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR x-COORDINATE</th>
<th>LONGITUDE OR y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BROWN, 1927</td>
<td>G-6688 p.1027</td>
<td>NA</td>
<td>46 57</td>
<td>23 306</td>
<td>719.7</td>
<td>(1133.1)</td>
<td>(BACK)</td>
<td>(BACK)</td>
</tr>
<tr>
<td>DRIFT, 1940</td>
<td>G-5735 p.744</td>
<td></td>
<td>46 58</td>
<td>06 534</td>
<td>202.1</td>
<td>(1650.7)</td>
<td>(BACK)</td>
<td>(BACK)</td>
</tr>
<tr>
<td>MARCH, 1911</td>
<td>G-5735 p.653</td>
<td></td>
<td>46 58</td>
<td>48 055</td>
<td>1484.0</td>
<td>(368.8)</td>
<td>(BACK)</td>
<td>(BACK)</td>
</tr>
<tr>
<td>MINARD, 1940</td>
<td>G-5735 p.745</td>
<td></td>
<td>46 59</td>
<td>49 383</td>
<td>1525.3</td>
<td>(327.6)</td>
<td>(BACK)</td>
<td>(BACK)</td>
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<tr>
<td>POINT, 1940</td>
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<td>46 57</td>
<td>48 253</td>
<td>1512.8</td>
<td>(340.0)</td>
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<td>(BACK)</td>
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<tr>
<td>DAMON, 1951</td>
<td>Field Comp.</td>
<td></td>
<td>46 57</td>
<td>07 235</td>
<td>226.5</td>
<td>(1226.3)</td>
<td>(BACK)</td>
<td>(BACK)</td>
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<tr>
<td>GRAYS HARBOR BAR RANGE REAR LT., 1951</td>
<td></td>
<td></td>
<td>46 57</td>
<td>22 769</td>
<td>703.1</td>
<td>(1149.7)</td>
<td>(BACK)</td>
<td>(BACK)</td>
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<tr>
<td>GRAYS HARBOR BAR RANGE FRONT LT., 1951</td>
<td></td>
<td></td>
<td>46 55</td>
<td>52 637</td>
<td>1811.6</td>
<td>(11.2)</td>
<td>(BACK)</td>
<td>(BACK)</td>
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<tr>
<td>BONE 2 (U.S.E.), 1951</td>
<td></td>
<td></td>
<td>46 57</td>
<td>08 162</td>
<td>252.0</td>
<td>(1600.8)</td>
<td>(BACK)</td>
<td>(BACK)</td>
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</tbody>
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1 FT. = 30.48006 METER

COMPUTED BY: Henry F. Bichet DATE: 23 Sept. 1952
CHECKED BY: B. Wilson DATE: 7 Oct. 1952
<table>
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<th>STATION</th>
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<th>DATUM</th>
<th>LATITUDE OR $\psi$-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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</thead>
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<tr>
<td>Sub. Pt. MINARD, 1940</td>
<td>Office Comp.</td>
<td>N.A. 1927</td>
<td>46 59</td>
<td>1486.0 (366.9)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>124 08</td>
<td>300.2 (967.6)</td>
<td></td>
<td></td>
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<tr>
<td>Sub. Pt. MARSH, 1912</td>
<td></td>
<td></td>
<td>46 58</td>
<td>1477.7 (375.1)</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>124 08</td>
<td>374.1 (894.0)</td>
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<tr>
<td>Sub. Pt. 1 BROWN, 1927</td>
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<td>46 57</td>
<td>736.8 (1116.0)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>124 09</td>
<td>1224.4 (443)</td>
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</tr>
<tr>
<td>Sub. Pt. 2 BROWN, 1927</td>
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<td></td>
<td>46 57</td>
<td>814.5 (1038.3)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>124 09</td>
<td>1133.4 (1353)</td>
<td></td>
<td></td>
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<tr>
<td>Sub. Pt. 1, DAMON, 1951</td>
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<td></td>
<td>46 57</td>
<td>246.2 (1606.6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>124 07</td>
<td>787.1 (481.6)</td>
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<td></td>
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<tr>
<td>Sub. Pt. 2, DAMON, 1951</td>
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<td>124 07</td>
<td>822.5 (446.2)</td>
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</tbody>
</table>

1 FT. = 0.3048006 METER

COMPUTED BY: B. Wilson
DATE: 3 Nov. 1952

CHECKED BY: Henry F. Eichert
DATE: 3 Nov. 1952
COMPILATION REPORT
T-9517

FIELD INSPECTION REPORT:
Bound with Descriptive Report for T-9515.

PHOTOGRAMMETRIC PLOT REPORT:
Bound with Descriptive Report for T-9515.

31. **DELINEATION**

Refer to item 31 of the Compilation Report for T-9515.

32. **CONTROL**

Refer to item 23 of Photogrammetric Plot Report bound with Descriptive Report for T-9515.

33. **SUPPLEMENTAL DATA**

Land plat:
1 Township, No. 17N.R12W, Willamette Meridian dated January 5, 1860.

34. **CONTOURS AND DRAINAGE**

The topography of this area was of very low relief and only a few isolated sand dunes were of sufficient elevation to be contoured.

35. **SHORELINE AND ALONGSHORE DETAILS**

Shoreline inspection along the Pacific Ocean was adequate. Shoreline inspection in the vicinity of triangulation station DAMON, 1951 and the area SE of the south jetty was incomplete. Subsequent paragraphs discuss each of these areas separately.

The MHWL in the area beginning just south of triangulation station DAMON, 1951 and extending north around the sand spit and back is noticeably changeable. A small portion, approximately 250 meters, was plotted from the theodolite angles and distances given on the reverse side of field photograph 50-0-1560, scale 1:10,000. This area begins 50 meters NE of DAMON, 1951 and extends south for 250 meters. The field inspection, however, failed to "tie" this work with the adjacent shoreline as "ticked" on the field photograph. It was left incomplete on the manuscript for completion during the field edit.

The MHWL in the area SE of the south jetty is also incomplete. Some planetable work dated July 8, 1952 was furnished at manuscript scale for the shoreline beginning 625 meters north of latitude 46° 54' and extending SE almost to the eastern limits of this survey. This planetable shoreline did not "tie" with the MHWL from the adjacent survey. The shoreline of this adjacent survey T-9518, was interpreted
36. **SHORELINE AND ALONGSHORE DETAILS (CONT'D)**

by office inspection using 1951 photography. The field editor has been
asked to revise and complete the shore line.

Special mention is made here of the instability of the MHWL of the
sand island called Damon Point. As shown, the shoreline was delineated
as interpreted by this office using the latest photograph 51-0-7136. A
request for field edit verification was made and further information may
be found by referring to the Field Edit Report.

37. **OFFSHORE DETAILS**

Refer to item 8 of the Field Inspection Report.

38. **LANDMARKS AND AIDS**

Forms 567 are submitted herewith for all landmarks and aids.

39. **CONTROL FOR FUTURE SURVEYS**

Forms 524 are submitted for the four following topographic stations:

- NORTH (USE), 1952
- DO, 1951
- CO, 1951
- SHACK, 1951 (Accuracy of identification doubtful).

*These stations were previously established in 1940 by planetable
methods.

New positions were determined by multiplex for all four topographic
stations.

NORTH (USE) and SHACK, 1951 are not listed under item 11, Field
Inspection Report. Control identification forms were submitted by the
Field Inspection party for "Shack in the north jetty" and NORTH (USE).
No forms 524 were submitted and both are furnished with this report by
the Baltimore office.

A separate listing of recoverable topographic stations useful for
hydrography will be found under item 49, Notes for the Hydrographer.
39. **JUNCTIONS**

To the south and west is water. Junctions were made to the north with Survey No. T-9565 and to the east with Survey T-9518.

40. **HORIZONTAL AND VERTICAL ACCURACY**

Refer to item 23 of the Photogrammetric Plot Report.

41. **BOUNDARIES**

The extent of the land area has changed considerably since section lines were established in 1860. Corner 22, 23, 27, 26 which the plat shows to be originally on land is now in the water. Since the jetties were built much of the shoreline has built out forming new land. No original monuments were found and all land lines are unreliable.

42 - 45.

Inapplicable.

46. **COMPARISON WITH EXISTING MAPS**

Comparison was made with AMS Sheet 1177 I Series V-791, Grayland Quadrangle, scale 1:50,000, first edition 1939, reprinted 1947.

47. **COMPARISON WITH NAUTICAL CHART**


Items to be applied immediately:
None.

Items to be carried forward:
None.

Approved and Forwarded
9 Oct. 1953

[Signature]
Jack C. Simmons,
Officer in Charge
Baltimore Photo. Office

Respectfully submitted
24 September 1953

[Signature]
A. K. Heywood
Cartographer (Photo)
PHOTOGRAMMETRIC OFFICE REVIEW

1. Projection and grids
2. Title
3. Manuscript numbers
4. Manuscript size

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
7. Photo-hydro-stations
8. Bench-marks
9. Plotting of sextant fixes
10. Photogrammetric plot report
11. Details points

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline
13. Low water line
14. Rocks, shoals, etc.
15. Bridges
16. Aids to navigation
17. Landmarks
18. Other alongshore physical features
19. Other alongshore cultural features

PHYSICAL FEATURES
20. Water features
21. Natural ground cover
22. Photomosaic contours
23. Stereoscopic instrument contours
24. Contours in general
25. Spot elevations
26. Other physical features

CULTURAL FEATURES
27. Roads
28. Buildings
29. Railroads
30. Other cultural features

BOUNDARIES
31. Boundary lines
32. Public land lines

MISCELLANEOUS
33. Geographic names
34. Junctions
35. Legibility of the manuscript
36. Discrepancy overlay
37. Descriptive Report
38. Field inspection photographs
39. Farms

40. [Signatures: Reviewer, Supervisor, Review Section or Unit]

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

[Signatures: Compiler, Supervisor]

43. Remarks:
45. GEOGRAPHIC NAMES

Grays Harbor (forttitle)

Point Chehalis

U.S. Coast Guard Reservation

All the above names are from the final name sheet of C of E Grayland, Washington Quadrangle.

Names approved
3-10-54. L. Heck
49. NOTES FOR THE HYDROGRAPHER

The following is a list of recoverable topographic stations which may be used for hydrography.

* DO, 1951
* GO, 1951

NORTH (USE, 1952 (Accuracy of Field identification doubtful.)
SHACK, 1951

* These stations were previously established by planetable in 1940. New positions were plotted as reported on Forms 524.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be inserted on (deleted from) the charts indicated.

The positions given have been checked after listing by

A.K. Heywood

E.H. Kirsch

Chief of Party.

<table>
<thead>
<tr>
<th>STATE</th>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Position</th>
<th>Datum</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Washington (Grays Harbor)</td>
<td>Tripod</td>
<td>DAMON 1951 (30 feet)</td>
<td></td>
<td>46 57 7 2.225 124 07 36.788 NA</td>
<td>Tri</td>
<td>T-9517 1951 x</td>
<td>6195</td>
</tr>
</tbody>
</table>

Destroyed as per Field Edit 6/8/55

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. 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.
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 by

A. E. Haywood

<table>
<thead>
<tr>
<th>STATE</th>
<th>WASHINGTON (GRAYS HARBOR)</th>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL</th>
<th>LATITUDE*</th>
<th>LONGITUDE*</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY No.</th>
<th>DATE OF LOCATION</th>
<th>HARBOR CHART OR OFFSHORE CHART</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>TRIPOD</td>
<td>[North (USE), 1952 (25 feet)]</td>
<td></td>
<td>46 59</td>
<td>34° 68'</td>
<td>26° 58'</td>
<td>N.A. Photo T-9517 1951 x</td>
<td></td>
<td>6002</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TRIPOD</td>
<td>[Damon, 1951 (30 feet)]</td>
<td></td>
<td>46 59</td>
<td>7° 33'</td>
<td>36° 78'</td>
<td>Tri T-9517</td>
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<td>6195</td>
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<tr>
<td></td>
<td></td>
<td>TRIPOD</td>
<td>[Minard, 1940 (15 feet)]</td>
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<td>46 59</td>
<td>49° 39'</td>
<td>14° 29'</td>
<td>x</td>
<td></td>
<td>6195</td>
<td></td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if reetermined, shall be reported on this form. 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.
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 by

A. E. Heywood

<table>
<thead>
<tr>
<th>STATE</th>
<th>WASHINGTON</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>LT</td>
<td>(Grays Harbor Bar Range Front Light, 1951)</td>
</tr>
<tr>
<td>LT</td>
<td>(Grays Harbor Bar Range Rear Light, 1951)</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if reetermined, shall be reported on this form. The data should be considered for the charts of the area and not by
FIELD EDIT REPORT
Project Ph-62
Quadrangle T-9517

51. Methods - Field edit of this map was done in accordance with Letter 5 Instructions for Field Edit, Project Ph-62, dated 1 June 1955.

Notes to the field editor on the discrepancy prints have been answered on those prints or cross-referenced to the proper field edit sheet or photographs.

Houses and roads have been edited on Field Edit Sheet No. 2.

The entire land area of this quadrangle is relatively flat. The only contour shown is the 20-foot contour along the east side of the road from Damon Point to the north limit of the sheet and the 20-foot contour just south of the south jetty. Shifting sand dune areas northward from the north jetty were not contoured but representative top elevations are shown.

One section corner was recovered. It is 34, 35, 3, 2 T17,18N R12W at the north edge of T-9517 N. This corner was located by planetable and also identified on Photograph No. 1577. Another very doubtful recovery is section corner 14, 13, 23, 24 T17N R12W. Mr. Ralph Minard, owner of most of the land area in this quadrangle, stated that he remembered seeing a stake in the vicinity many years ago but that didn’t see how it could have lasted until the present. The field edit unit found a short cedar stake, not squared, about a foot high and rotted off at the ground. It was where the manuscript indicates the corner should be. All other section corners on the sheet were searched for but not found. Mr. Minard has no knowledge of them.

A legend describing colored inks and symbols used during field edit is shown on Field Edit Sheet No. 2.

Field edit information has been noted on the discrepancy prints for T-9517 N and T-9517 S, Field Edit Sheet Nos. 1 and 2 and the following photographs:

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Type of Information</th>
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<tbody>
<tr>
<td>1577</td>
<td>Shoreline corrections, Section Corner</td>
</tr>
<tr>
<td></td>
<td>34, 35, 3, 2, T17,18N R12W</td>
</tr>
<tr>
<td>1578</td>
<td>Shoreline corrections</td>
</tr>
<tr>
<td>1581</td>
<td>Shoreline corrections</td>
</tr>
</tbody>
</table>
52. Adequacy of Compilation - Compilation of this sheet is adequate, considering the extent of the field inspection.

53. Map Accuracy - No horizontal accuracy test by traverse methods was made.

Due to changes in the shoreline and the fact that in places the storm high water line rather than the mean high water line was mapped, the entire shoreline along the beach and in the vicinity of Damon Point has been corrected. The mean high water line along the ocean beach was located by plan table, using elevation 3.5 feet above mean sea level as the elevation of mean high water. The beach is building up at the present time, which moves the mean high water line in a westerly direction. The shoreline in the vicinity of Damon Point is eroding away at a rapid rate and is subject to continual change. Apparent shoreline is indicated around the small bay on the northwest side of the north jetty. See Photograph No. 1581 and Field Edit Sheet No. 1.

No vertical accuracy test was indicated on the discrepancy print. However, while locating the 20-foot contour around the ridge on the east side of the road in T9517N, 74 points were checked.

Seventy-two percent of these points were within one-half contour interval or better, twenty-seven percent were between one-half and a full interval and one point was in error in excess of one full interval. *T HIS FIGURE IS IN ERROR. IT SUPPOSES A 20 CONTOUR INTERVAL INSTEAD OF 40 AND DOES NOT ALLOW FOR A 3.18-MM SHIFT (0.0004.0000 MANUSCRIPT TO 1/32.500 PUBLICATION). THE FIGURE SHOULD BE 100%.

54. See paragraph 54, Sheet 2-9545.

55. Examination of Proof Copy - The following named person has consented to examine a proof copy of the map:

Mr. Arnold Lock
Box 56
Copalas Beach, Washington

Mr. Lock has been a resident of the area for more than 30 years and a fire warden for a large part of this time.

Approved and forwarded,

Fred Natella
Comdr., CGS Survey
Chief of Party

Respectfully submitted,

Charles H. Bishop
Cartographer
Review Report T-9517
Topographic
5 September 1957

61. General Statement

See Summary Report

62. Comparison with Registered Topographic Surveys

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Emerging shoreline is creating more land area from Point Brown northward, moving as much as 1/3 mile west since the time of the 1927 survey.

Manuscript T-9517 supercedes all of the above surveys in common areas as source material for charts.

63. Comparison with Maps of Other Agencies

Grayland AMS Sheet 1177 1:50,000
Contour Interval 20'

64. Comparison with Contemporary Hydrographic Surveys

H-8252 1955-56 1:20,000

The MHWL on the Pacific Ocean side was revised during field edit and should be used in preference to that shown on the hydrographic survey. Also revised, but subject to continual change, is the MHWL in the vicinity of Damon Point.

65. Comparison with Nautical Charts

Chart 6195 Revised 5/27/57

This chart was constructed in the area of the Report from T-9517 before the manuscript was field checked. After field edit almost all the MHWL was revised, limits of interior marsh decreased and some cultural detail deleted. Refer to item 53, paragraph 2 of the Field Edit Report.
66. Adequacy of Results and Future Surveys

This map complies with instructions and meets the Standards of National Map Accuracy.

Refer to the Field Edit Report item 53, the last paragraph.

67. Landline

All landlines are unreliable. The field editor was able to definitely recover only one corner. The nature of the terrain (sand dunes) made the recovery of more corners difficult.

Reviewed By

[Signature]
A. K. Heywood

Approved

[Signature]
L. C. Lande
Chief, Review Branch
Photogrammetry Division

[Signature]
Chief, Photogrammetry Div.

[Signature]
Chief, Coastal Surveys Div.

[Signature]
Chief, Nautical Chart Branch
Charts Division
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

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<td>Peter Sherman</td>
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