9517N
9517S COMBINED

9517N
9517S COMBINED

Diag. Cht. No. 6002-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

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

1950-55

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE June 5, 1958

8-1870-1 (1)

DATA RECORD

T-9517

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

Field Office (II): Copalis Beach, Washington
Westport, Washington
Chief of Party: Charles W. Clark

Photogrammetric Office (III): Baltimore, Maryland
Officer-in-Charge: Jack C. Sammons

Instructions dated (II) (III): 20 March 1951
Supplement 1 dated: 15 February 1952
Letter No. 73-aal dated: 24 May 1951

Copy filed in Division of Photogrammetry (IV)

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

Date received in Washington Office (IV): OCT 8 - 1953
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 (25) refer to mean high water
Elevations shown as (5) 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

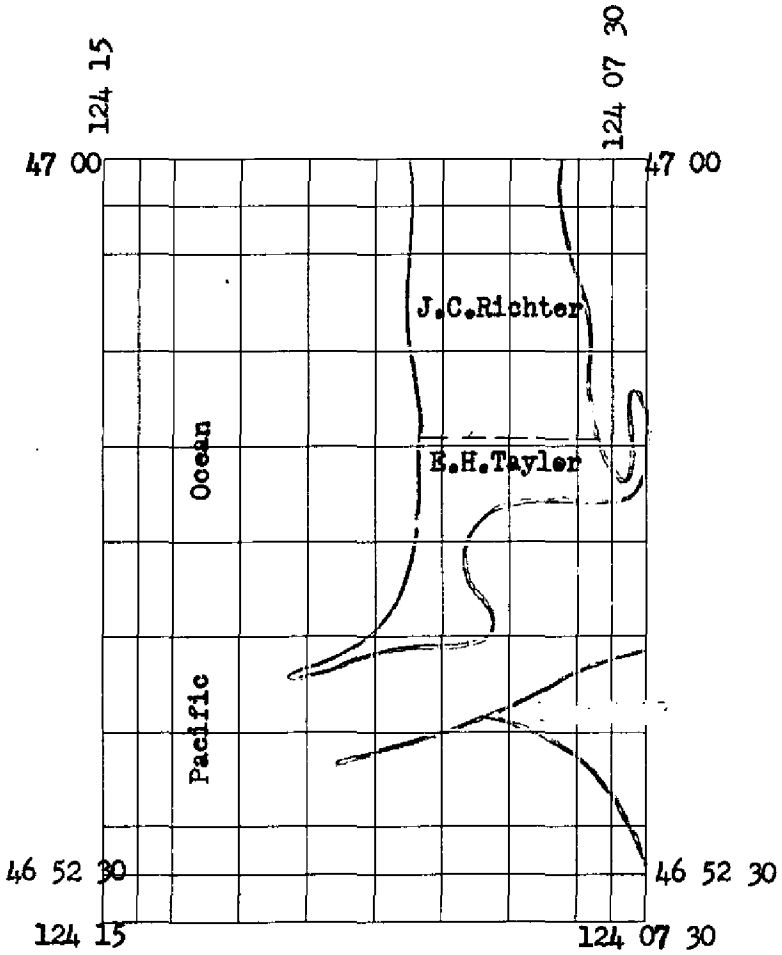
Plane Coordinates (IV):
State: WASHINGTON Zone: South

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.

M-2618-12(4)



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

T-9517

Field Inspection by (II): K. Huey Date: 9/15/51

Planetable contouring by (II): Date:

Completion Surveys by (II): CHARLES H BISHOP Date: JUNE 1955

Mean High Water Location (III) (State date and method of location):
July 11, 1950 and June 16, 1951 - Photogrammetric
July 8, 1952 - Planetable; Sept. 15, 1951, Theodolite Cuts
See item 35, Compilation Report
*June 10,1955-Planetable

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

Projection and Grids checked by (IV): H. D. Wolfe Date: Nov. 27, 1951

Control plotted by (III): B. Wilson Date: Nov. 5, 1952

Control checked by (III): A. K. Heywood Date: Dec. 9, 1952

Radial Plot or Stereoscopic Control extension by (III): E. L. Rolle Date: Dec. 23, 1952

Stereoscopic Instrument compilation (III):
Planimetry) E. H. Taylor Date: March 10, 1953
Contours) J. C. Richter Date: Feb. 11, 1953

Manuscript delineated by (III): J. Y. Councill Date: June 29, 1953

Photogrammetric Office Review by (III): A. K. Heywood Date: July 10, 1953

Elevations on Manuscript checked by (II) (III): A. K. Heywood Date: July 9, 1953

*All shoreline areas mentioned in paragraph #35 of the Descriptive Report have been relocated during Field Edit by planetable.
THE MHWL BORDERING ON THE PACIFIC OCEAN WAS ALSO RELOCATED AT TIME OF FIELD EDIT AKH

M-2618-12(4)

Camera (kind or source) (III):

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
50-0-1577 thru 50-0-1583	7/11/50	13:28	1:24,000	*
51-0-7136	6/16/51	13:22	"	4.1 above MLLW
51-0-1519	7/11/50	12:55	"	" " "

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

Tide (III) from predicted tables. Diurnal

	Ratio of Ranges	Mean Range	Spring Range
Reference Station: ABERDEEN, GRAYS HARBOR	-	7.8	9.9
Subordinate Station: PT. GRENVILLE	.9	6.5	8.6
Subordinate Station: PT. CHEHALIS	.9	6.9	9.0

Washington Office Review by (IV): Date:

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

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 Recovered: 6 Identified: 7
Number of BMs searched for (II): 0 Recovered: 0 Identified: 0
Number of Recoverable Photo Stations established (III): 4
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

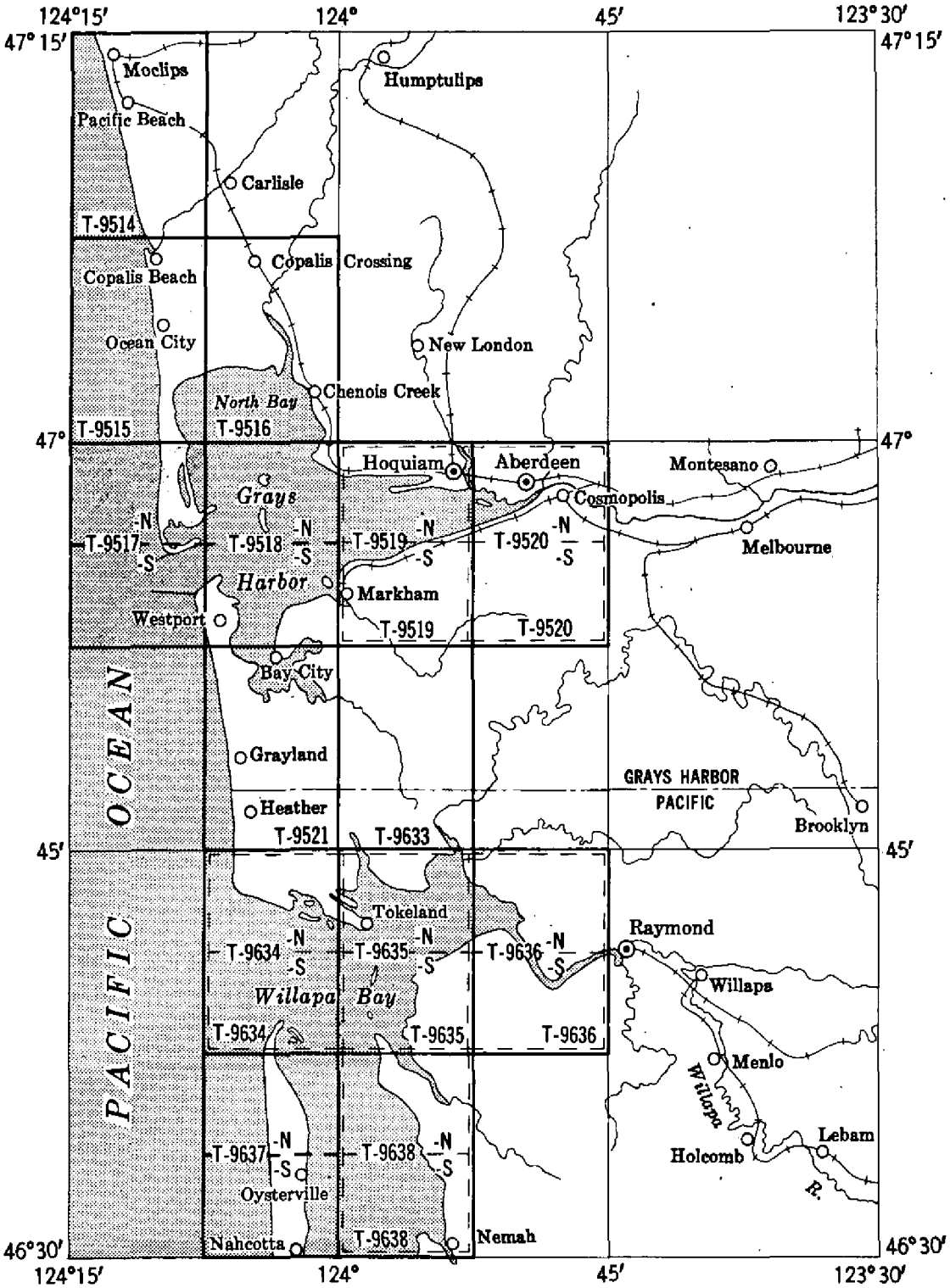
1 horizontal control station identified is fourth-order topo station.

M-2618-12(4)

TOPOGRAPHIC AND SHORELINE MAPPING PROJECT PH-62 (49)

WASHINGTON, Grays Harbor - Willapa Bay

Compilation scales 1:10,000 and 1:20,000



TOPOGRAPHIC MAPS: T-9514, T-9515, T-9516 T-9519, T-9520, T-9521, T-9633 to T-9636 and T-9638, (scale 1:20,000), T-9517-N, T-9517-S, T-9518-N, T-9518-S; T-9637-N, T-9637-S, (scale 1:10,000),

SHORELINE SURVEYS: T-9519-N, T-9519-S, T-9520-N, T-9634-N, T-9634-S, T-9635-N, T-9635-S, T-9636-N, T-9636-S, T-9638-N, T-9638-S, scale 1:10,000,

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 3 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.

Photogrammetry

MAP T- 9517 PROJECT NO. Fh-62(49) SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE ° ' "	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
BROWN, 1927	G-6688 p.1027	NA 1927	46 57 23.306	719.7	(1133.1)					
			124 09 55.064	1164.3	(104.4)					
DRIFT, 1940	G-5735 p.744	"	46 58 06.544	202.1	(1650.7)					
			124 08 12.458	263.3	(1005.0)					
MARSH, 1911	G-5735 p.653	"	46 58 48.055	1484.0	(368.8)					
			124 08 17.760	375.4	(892.7)					
MINARD, 1940	G-5735 p. 745	"	46 59 49.393	1525.3	(327.6)					
			124 08 14.292	302.0	(965.8)					
POINT, 1940	G-5735 p.744	"	46 57 48.991	1512.8	(340.0)					
			124 07 56.654	1197.8	(70.7)					
~~DAMON, 1951~~	~~Field Comp.~~	"	~~46 57 07.335~~	~~226.5~~	~~(1626.3)~~	DESTROYED				
			~~124 07 36.788~~	~~777.9~~	~~(-490.8)~~	DSH				
GRAYS HARBOR BAR RANGE REAR LT., 1951	"	"	46 57 22.769	703.1	(1149.7)					
			124 08 00.901	19.1	(1249.6)					
GRAYS HARBOR BAR RANGE FRONT LT., 1951	"	"	46 55 59.637	1841.6	(11.2)					
			124 09 25.742	544.5	(724.7)					
~~ZONE 2 (U.S.E.), 1951~~	"	"	~~46 57 08.162~~	~~252.0~~	~~(1600.8)~~	DESTROYED				
			~~124 07 38.202~~	~~807.8~~	~~(460.9)~~	DSH				

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: Henry P. Eichert DATE 23 Sept. 1952 CHECKED BY: B. Wilson DATE 7 Oct. 1952

Photogrammetry

MAP T-9517 PROJECT NO. Ph-62(49) SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
Sub Pt., MINARD, 1940	Office Compl.	N.A. 1927	46 59	1486.0	(366.9)					
			124 08	300.2	(967.6)					
Sub.Pt. MARSH, 1911	"	"	46 58	1477.7	(375.1)					
			124 08	374.1	(894.0)					
Sub. Pt. 1 BROWN, 1927	"	"	46 57	736.8	(1116.0)					
			124 09	1224.4	(44.3)					
Sub. Pt. 2 BROWN, 1927	"	"	46 57	814.5	(1038.3)					
			124 09	1133.4	(135.3)					
Sub. Pt. 1, DAMON, 1951	"	"	46 57	246.2	(1606.6)	DESTROYED				
			124 07	787.1	(481.6)					
Sub. Pt. 2, DAMON, 1951	"	"	46 57	260.7	(1592.1)					
			124 07	822.5	(446.2)					

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: B. Wilson DATE 3 Nov. 1952 CHECKED BY: Henry P. 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 50-0-1580, 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

35. 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.

ALL SHORELINE REVISED BY THE FIELD EDITOR IN 1955.

36. OFFSHORE DETAILS

Refer to item 8 of the Field Inspection Report.

37. LANDMARKS AND AIDS

Forms 567 are submitted herewith for all landmarks and aids.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are submitted for the four following topographic stations:

NORTH (USE), 1952
* DO, 1951
* GO, 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-9565/15 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

Chart No. 6002, scale 180,789 at Lat. 47° 00' published July 1942, (10th Edition) 4/21/52 and Chart 6195, scale 1:40,000 published July 1949, (52nd Edition) 10/2/50.

Items to be applied immediately:
None.
Items to be carried forward:
None.

Approved and Forwarded
9 Oct. 1953

Jack C. Sammons,
Capt. U.S.C. & G. S.
Officer in Charge
Baltimore Photo. Office

Respectfully submitted
24 September 1953

A. K. Heywood
Cartographer (Phcto)

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-9517

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. ~~Detail 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. ~~Planetable 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. Forms

40. 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.

Compiler

Supervisor

43. Remarks:

M-2623-12

45. GEOGRAPHIC NAMES

Damon Point
Duck Lake

Grays Harbor County

North Bay

Pacific Ocean
Point Brown

Grays Harbor (for title)

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.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS~~ OR LANDMARKS FOR CHARTS

TO ~~BE CHARTED~~ / TO BE DELETED } STRIKE OUT ONE

Baltimore, Maryland Jan. 3, 1956

I recommend that the following objects which have ~~have not~~ been inspected from seaward to determine their value as landmarks be ~~charted~~ / ~~not~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by A.K.Heywood

A.K.Heywood

E.H.Kirsch *Chief of Party.*

STATE Washington(Grays Harbor)

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M.METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P.METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Tripod	[DAMON 1951 (30 feet)]		46 57	7.335 226	124 07	36.788 778	NA 1927	Tri T-9517	1951	x			6195
	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.

* TABULATE SECONDS AND DECIMALS

M-2836-3

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland 9 July, 1953

I recommend that the following objects which have (~~have not~~) been inspected from seaward to determine their value as landmarks be charted on (~~add/delete~~) the charts indicated.

The positions given have been checked after listing by A. K. Heywood

Jack C. Sammons *Chief of Party.*

STATE WASHINGTON (GRAYS HARBOR)

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE * ° ′	LATITUDE * ″ D.M. METERS	LONGITUDE * ° ′	LONGITUDE * ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TRIPOD	[North (USE), 1952 (25 feet)]		46 59	34.68 1071	124 09	26.98 570	N.A. 1927	Photo. Top. T-9517	1951	X	X		6002 6195
TRIPOD	[Damon, 1951 (30 feet)]		46 57	7.335 226	124 07	36.788 36.778	"	Tri T-9517	"	X			6195
TRIPOD	[Minard, 1940 (15 feet)]		46 59	49.393 1525	124 08	14.292 302	"	"	1940	X			6195

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

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

TO BE CHARTED / ~~NO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland 9 July 1953

I recommend that the following objects which have ~~(should not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(should not be)~~ the charts indicated.

The positions given have been checked after listing by A. K. Heywood

Jack C. Sammons *Chief of Party.*

STATE	WASHINGTON		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE*		LONGITUDE*		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS							
LT	(Grays Harbor Bar Range Front Light, 1951)		46 55	59.637 1842	124 09	25.742 544	N.A. 1927	TRI T-9517	1951	x	x		6002 6195
LT	(Grays Harbor Bar Range Rear Light, 1951)		46 57	22.769 703	124 08	00.901 19	"	"	"	x	x		6002 6195

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

FIELD EDIT REPORT

Project Ph-62

Quadrangle T-9517

51. Methods - Field edit of this map was done in accordance with Letter: 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.

Housee 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:

Photo No.	Type of Information
1577	Shoreline corrections, Section Corner 34, 35, 3, 2, T17,18N R12W
1578	Shoreline corrections
1581	Shoreline corrections

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 planetable, 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. *THIS FIGURE IS IN ERROR. IT SUPPOSES A 20 CONTOUR INTERVAL INSTEAD OF 40' AND DOES NOT ALLOW FOR A 3.18 mm SHIFT (1:10,000 MANUSCRIPT TO 1:62,500 PUBLICATION) THE FIGURE SHOULD BE 100%. AKH

54. See paragraph 54, Sheet T-9515.

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

Mr. Arnold Lock
Box 56
Copalis 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., C&G Survey
Chief of Party

Respectfully submitted,

for Charles H. Bishop
Cartographer

Review Report T-9517

Topographic

5 September 1957

61. General Statement

See Summary Report

62. Comparison with Registered Topographic Surveys

H-2371	1:20,000	1898
1701	1:20,000	1886
3044	1:20,000	1910
4305	1:20,000	1927
6805	1:10,000	1939

Emerging shoreline is creating more land area from Point Brown northward, moving as much as ½ 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

A. K. Heywood

Approved

L C Lande
Chief, Review Branch
Photogrammetry Division

Chief, Photogrammetry Div.

Chief, Nautical Chart Branch
Charts Division

Chief, Coastal Surveys Div.

(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T- 9517

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.

CHART	DATE	CARTOGRAPHER	REMARKS
18500	5.29.81	Peter Shumar	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 20
			Full Part Before After Verification Review Inspection Signed Via
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