10349

Diag. Cht. Nos. 5902-2 & 6002-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric (Photogrammetric)

Field No. Ph-155 Office No. T-10349

LOCALITY

State Washington - Oregon

General locality Columbia River

Locality Grays Point

19585-1957

CHIEF OF PARTY

CHIEF OF PARTY
V. Ralph Sobieralski, Chief of Party
Lorne G. Taylor, Photogrammetric Office

LIBRARY & ARCHIVES

MAY 1 1962

DATE

USCOMM-DC 5087

10340

DESCRIPTIVE REPORT - DATA RECORD

T = 10349

Project No. (II): Ph-155

Quadrangle Name (IV):

Field Office (II): Seaview, Washington

V. Ralph Sobieralski Chief of Party:

Unit Chief: R. B. Melby

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Lorne G. Taylor

Instructions dated (ii) (iii):

5 Oct. 1955

Copy filed in Division of

12 Oct. 1955) II & III

Photogrammetry (IV)

Method of Compilation (III):

Kelsh Instrument

Manuscript Scale (III):

1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:5000

Pantograph Scale:

1:10,000

Scale Factor (III):

Date received in Washington Office (IV):

AUGAG Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 3/5/62

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III):

N.A. 1927

Vertical Datum (III): X

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):

GRAYS (USE) 1913

Lat.: 46º 16º 24.902"

Long.: 1230 461 09.503"

Adjusted

Unadjusted

Plane Coordinates (IV):

State: Washington Zone:

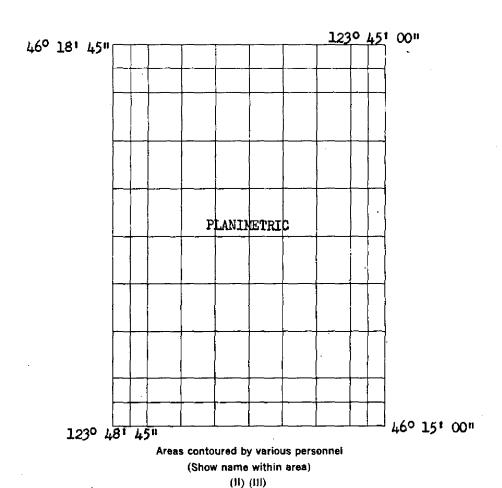
South

360,003.23

X= 1,173,499.44

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.



COMM- DC- 57842

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II):

C. H. Bishop & R. B. Melby

Date: Nov. 1957

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): By field inspection and Kelsh compilation.

Projection and Grids ruled by (IV):

J. R. Haskins

Date: 10-30-57

Projection and Grids checked by (IV): I. Y. Fitzgerald

Date: 10-31-57

Control plotted by (III):

L. L. Graves

Date: 2-7-58

Control checked by (III):

E. T. Jenkins

Date: 2-7-58

Radial Plot or Stereoscopic

John D. Perrow, Jr.

Date: 1-28-58

Control extension by (III):

Planimetry

L. L. Graves

Date: 2-21-58

Stereoscopic Instrument compilation (III):

& D. N. Williams

1-20-59

Contours

Date:

Manuscript delineated by (III):

J. L. Harris, Scribing C. C. Harris, Stick-up

Date: 4-3-59 6-16-60

Photogrammetric Office Review by (III):

J. E. Deal

Date: July 1960

Elevations on Manuscript

Date:

checked by (II) (III):

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS Single lens "W"

	4	PHOTOGRAPHS	i (III)	
Number	Date .	Time	Scale	Stage of Tide
55-W-8667 & 8668	6-6-55	11:52	1:10,000 (ratio)	4.3' above M.L.L.W.
55-W - \$689 & 869 0	P,	12:09	Ħ	4•3t u u
55-W-9881 & 9882	9-24-55	13:06	1:25,000 (contact)	3.31 " "

Tide (III)

Reference Station:

Astoria, Oregon

Subordinate Station:

Subordinate Station:

Hungry Harbor, Wash.

|Ratio of | Mean | Spring

Range

Final Drafting by (IV):

Date: Date:

Ranges

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III):

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: Recovered:

2

Identified: 1

Number of BMs searched for (II):

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

PLANIMETRIC PROJECT PH-155

MOUTH OF COLUMBIA RIVER, WASH, OREGON

Boean Park O	-	OFFICIAL MI	LEAGE FOR COS	P ACCOUNTS
K Lisan Beach D H To	.2650		LIN.MI.	AREA SQ.
11 (17 40)	-	JHEET NO.	SHOR LINE	MILES
46°26'15"	-	10340	9	10
		10341	٤	12
	<u> </u>	10342	<i>L</i> ;	13
46-22 30" William III	River	19343	7	1 7
Long Reaction Naselle O	^ [10344	6	2
1800	<u> </u>	10345	13	3
10341 10342 10342	6	10346	11	i) i)
10344 10845 10347 10348	}-	10347	3	1 <i>2</i>
Krippton O Alliana	<u> </u>	10348	ĺ	11
Cape Disappoin ment 10345 Sunook 10349 10350 10351 5		10349	Ž	F
MIR V. Mago Zao Magaz Magaz	See 1	10350	6	7
10320 10350 COLUMD 10350	997	10351	Ĕ	ģ
10357 10357	200	10352	3	í
Fort Steem C CG 32 Astori	Bradwe	10353	ģ	7.
		10354	á,	ำ
Verrenta	_	10355	į	5
46°07'30" 10359 10360 10361 10362 10363 10364	7 t	10356	5	5
	\	10357	ź	í
Settlement	7.	10358	21	•:
44 0 45 1000	¥.	10359	5	6
	45° \$~	10360	ıÁ	11
1,2,2,1	-	10361	15	9
Gearhart	-	10362	1	12
Seaside	,	17363	1.7	10
F	 -	10364	1.2	13 12
(24° 00' 123°45'		CC. 24	£	±**
		206.0	- 1	~

В 8_ TOTAL

FIELD INSPECTION REPORT Map Manuscript T-10349 Project Ph-155

Refer to Field Inssection Report for Project Ph-155, "Mouth of Columbia River to Altoona", July to November 1957. (1) T- 10449

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10349

Project Ph-155

Refer to the Stereoplanigraph Bridge Reports for Strips 5 and 6 which are included in the Descriptive Report for T-10346 (1957).

FORN 16# (4-23-54)

DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

ST AND GEODETIC SURVEY CONTROL RECORD

None

DISTANCE FROM GA,D OR PROJECTION LINE FROM GRID OR PROJECTION LINE IN METERS COMM- DC-57843 9. (BACK) FORWARD DATE 10/16/57 SCALE FACTOR 8.1) (1083.7)208.2) (1081.2)(BACK) N.A. 1927 - DATUM FORWARD 768.9 203.5 1315.8 1515.9 DATUM SCALE OF MAP 1:10,000 CHECKED BY. D.N.W. OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET, 26,61) 682,97) (BACK) FORWARD 4973,39 4317.03 LONGITUDE OR x-COORDINATE LATITUDE OR W.COORDINATE 24.902 09.503 359,973,39 1,174,317,03 10/7/57 Ph-155 91 94 4 PROJECT NO... 123 DATE.. DATUM 1927 N.A. = SOURCE OF INFORMATION (INDEX) Wash. S. Pg-325 G-3422 237 J.E.D. GRAYS POINT LIGHT GRAYS (USE) (WASH) MAP T- 10349 1 FT. = .3048006 METER STATION 1947 COMPUTED BY:... 1913

COMPILATION REPORT

Map Manuscript T-10349

Project Ph-155

Items 31 and 32:

Refer to Descriptive Report for T-10347 (1957).

33. Supplemental Data:

14 white prints, Secondary Highway No. 12B, Knappton to Naselle, Pacific County, Washington State Highways Commission 1/29/57.

Oregon Senate Bill No. 1 Chapter 94 O.L. 1957.

34. Contours and Drainage:

Contours are not applicable.

Drainage was spot field inspected. The drainage was discernable on the photographs and was compiled by office delineation using the U.S.G.S. Knappton, Washington- Oregon 72 minute quadrangle as reference.

35. Shoreline and Alongshore Details:

Field inspection of these features was adequate and no difficulties were encountered.

Foreshore areas are shown.

Approximate low-water lines could not be determined from the photographs.

36. Offshore Details:

Offshore details include piling, fish trap areas and a rocky bar covered with grass.

37. Landmarks and Aids:

Forms 567 are submitted for one fixed aid to navigation. There are no landmarks.

The same

38. Control for Future Surveys:

Form 524 is submitted for LONG, 1957. One structure was located. Both are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-10348 on the west, T-10350 on the east and T-10356 on the south. $T_{\rm h}{\rm ere}$ is no contemporary survey to the north.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable. There are no areas believed to be of sub-normal horizontal accuracy.

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. $7\frac{1}{2}$ minute Knappton, Wash.—Oreg., quadrangle, Scale 1:24,000, published 1949.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6151, Scale 1:60,000, 34th Edition Oct. 10, 1960, Corrected through Jan. 7, 1961 and Nautical Chart No. 6002, Scale 1:180,789, 10th Edition July 9, 1942, Revised May 23, 1960, Corrected through Jan. 7, 1961.

Items to be Applied to Nautical Charts Immediately:

None.

Items to be Carried Forward:

None.

Approved:

Yred Natella, CAPT, C&GS Portland District Officer

for

Lorne G. Taylor, CDR, C&GS

Respectfully submitted

J. Edward Deal Cartographer

Map Manuscript T-10349

49. Notes to the Hydrographer:

Two recoverable topographic stations were located by Kelsh instrument methods. They are:

LONG 1957 and RUIN 1957

There is one triangulation station which is also a fixed aid to navigation and was recovered and identified during field inspection.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10349

1. Projection and grids2. Title3. Manuscript numb	ers4. 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 Nov. 8. Bench marks Nox.
than third-order accuracy (topographic stations)7. Photo hydro	11. Detail points
ALONGSHORE AREAS	
(Nautical Chart Data)	
12. Shoreline13. Low-water line WML_ 14. Rocks, shoals, eto navigation17. Landmarks18. Other alongshore pl	tc15. Bridges AVAL 16. Aids
to navigation17, Landmarks18. Other alongshore pl	hysical features19. Other along -
shore cultural features	
PHYSICAL FEATURES	at
20. Water features 21. Natural ground cover 22. Pla	netable contours 2004 23. Stereoscopic
20. Water features 21. Natural ground cover 22. Pla instrument contours 24. Contours in general 25. S	pot elevations 2004 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 2004 37. Descriptive Report 2 38. Field inspection p	
40	Supervisor, Review Section or Unit
41. Remarks (see attached sheet)	
FIELD COMPLETION ADDITIONS AND CORRECTIONS	S TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion survey had manuscript is now complete except as noted under item 43.	ave been applied to the manuscript. The
Compiler	Supervisor
43. Remarks;	M-2623-12

V OF COMMERCE U.S DEPARTY

NAUTICAL CHART BRANCH

NONFLOATING AIDS CHAXIMAMMARKER FOR CHARTS

79	. شر
9	<u>8</u>
j	mark
iug.	land
3	888
	r value
	their
	ine
gon	term
Ore	to de
nd.	ard t
rtla	Seaw
Po	sected from seaward to d
	ted
	nspec
1	been inspe
	ъ С
	2000
	(0.00
	have
	which
	I recommend that the following objects which
0	do A
TOTAL STRIKE OUT TWO KRASE SEE STRIKE OUT TWO	lowin
KE OL	e fol
STRII	it th
z ž	tha
TOTRECKER PROPERTY STATEMENT	mend
	COM
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	L
-	

TO BE CHARTED

dmarks be The positions given have been checked after listing by charted on (delatadesfrom) the charts indicated.

STATE	TANGE OF THE PARTY			-	POSITION					THAI	1
	MASHINGTON		4	LATTUDE #	LONG	LONGITUDE #		LOCATION	DATE OF	13 BH	CHARTS
CHARTING	DESCRIPTION	BIGNAL	•	D.M. METERS		D. P. METERS	DATUM		LOCATION	HEN	18440
LIGHT	Grays Point Light	1597	46 16	24,942	123 45	57,856 1238,8	N.A. 1927	Triang- ulation	1947	×	6151
							<u> </u>	i		_	
										,	
					:		`				
	·										
							· ·	-			

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. Revisions shall show both the old and new positions. 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. USCOMMEDC 27128

N.OF COMMERCE COAST AND G

NONFLOATING AIDS DEDICEMENTARIDE FOR CHARTS

	STRIKE OUT TV	
		4
TO BE CHARTED	CONCREGERATION	

Portland, Oregon

I recommend that the following objects which have (because inspected from seaward to determine their value as landmarks be charted on (because charts indicated.) J. B. Deal

The positions given have been checked after listing by

TT Greys Point Light 1597 46 16 24902 123 45 578 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	#TAT#	NAPONTUS AN				POSITION			METHOD			Liv Kɔ̀
Openge Point Light 1597 46 16 24,902 123 45 27,936 No. Trianger 1947 X		MASHLINGLOB		1	ITUDE #	LONG	TUDE *		LOCATION			
Gegs Point Light 1597 46 16 24, 24, 27, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25	CHARTING		BIGNAL	ĺ	D.M. METERS	•	D. P. MEYERS		SURVEY No.			
	LIGHT	Grays Point Light	1597					1927	Triang- ulation	1947	×	6151
											<u>-</u>	·
											 	
											-	
								,				
						,						
												· - -

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. Revisions shall show both the old and new positions. 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 OF COMMERCE beric survey U.S DEPARTM COAST AND G



NONFLOATING AIDS DRICKMINIMERING FOR CHARTS

TO BE CHARTED NORTH APPENDIX

STRIKE OUT TWO

Pertland, Oregon

I recommend that the following objects which have (branchaut) been inspected from seaward to determine their value as landmarks be charted on (arrangement) the charts indicated.

The positions given have been checked after listing by

	n water the				POSITION			METHOD		<u> </u>	FMANS	
81418	WASHLOVIOR		7	LATITUDE*	LONG	LONGITUDE +		LOCATION	OATE OF	02 CH	A CH	CHARTS
CHARTING	DESCRIPTION	BIGNAL		D.M.METERS		" D. P. METERS	DATUM	BURVEY No.	LOCATION			
LIGHT	Grays Point Light	1597	97 97		123 4.5	£7.636 £23≥.8	N.A.	Triang- Lettab	1947	×	3	6151
							-					
								4				
			-									
 			i i									
	-											
									•			
					·							
					: :							
							,					

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. Revisions shall show both the old and new positions. 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 METERS

48. Geographic Names:

Bean Creek
Clatsop County
Columbia River
Frank Born Creek
Frankfort
Grays Point
Johnson Creek
Pacific County
Portuguese Point
*South Naselle River

* B.G.N. Decision

Geographic Names Section 13 February 1962

REVIEW REPORT T-10352 through 10364 and T-10650 Planimetric December 18, 1961

62. Comparison with Regitstered Topographic Surveys

Map No.	Scale	Year	Map No.	Scale	Year
317	1:22,962	1850-51	1806	1:10,000	1887
1112	1:10,000	1868	4226	1:20,000	1926
1123-	W	1868	4250	## ##	H
1138	*	1869	4251		
1139 a &b 1234	W	18 6 9 1870	4263 4264	1:10,000	1926
1235	į1	1870	6521a	57	ų
1249	н	1870	6521b	*	1936

The manuscripts covered by this review report supersece the surveys listed above for purposes of nautical chart construction.

63. Comparison with Maps of Other Agencies

Comparison was made with the latest existing maps during the photogrammetric review. Each report lists under "Comparison with Maps, etc." the quadrangles that were used.

64. Comparison with Contemporary Hydrographic Surveys

Where applicable, each map was compared with the latest hydrographic survey. All available hydrographic surveys are unverified. Discrepancies are listed under the heading of each map. If the map is not listed, no discrepancies exist during review.

T-10352 - The submerged rocks shown on the manuscript which appear to once have been part of the jetty were compiled in the photogrammetric office from a U.S. Engineer Survey dated 1956. This feature was not developed by hydro on sheets H-8421 through H-8423. See the Descriptive Report for this survey for details.

T-10354 - A pile is shown on the manuscript above MHW whereas hydro shows this pile submerged at latitude $46^{\circ}14'37''$ and longitude $123^{\circ}55'16''$. The pile was field inspected.

T-10356 - A rock is shown on the manuscript as awash MHW and on hydro sheet H-8420 as (4) with a position difference of approximately 5 meters. The rock is located at latitude 46° 12'45" and longitude 123°45'18". The height of the rock was given by the field inspector.

T-10357 - Piles and/or shags shown on Chart 6151 in the vicinity of latitude 46°13'30" and longitude 123°42'30" and latitude 46°12'30" and longitude 123°42'30" are not shown on the unverified smooth sheet. They are too far offshore for photogrammetric location.

65. Comparison with Nautical Charts

Comparison was made with Charts 6151 and 6152, 34 Edition October 10, 1960 corrected June 26, 1961. Nautical Charts did not use these surveys for the construction of the new edition. Many minor changes in offshore features and planimetric detail were noted, Only dangers to navigation or significant changes in detail have been noted for each sheet.

T-10354 - Some differences were noted in; shoreline features in the vicinity of Hammond at latitude 46°11'30", longitude 123°56'00". The pile area in the vicinity of latitude 46° 12'30", longitude 123°52'30" is incomplete. It is a shoal area and of no danger to navigation.

T-10361 - A difference exists in the position of a shag at latitude 46°11'03" and longitude 123°51'46" in Youngs Bay. Landmark "Drum" should be deleted from Chart as recommended on Form 567.

66. Adequacy of Results and Future Surveys

These maps comply with instructions and meet National Standards of Map Accuracy.

Approved:

Approved:

Chief, Review and Edit Sec.

Chief, Div. of Nautical Charts

Chief, Div. of Photogrammetry Chief, Div. of Coastal Surveys

Operations

NAUTICAL CHARTS BRANCH

SURVEY NO. <u>T-10349</u>

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
		,	Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
	· —		Before After Verification and Review
	<u> </u>		

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.