10000 0000 Diag. Cht. Nos. 5902-2 & 6002-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

#### DESCRIPTIVE REPORT

	Planimetric (Photogrammetric)  55 Office No. T-10353
	LOCALITY
State	Oregon
General locality	Columbia River
Locality	Hammond

1957

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

LIBRARY & ARCHIVES

MAY 1987

USCONM-DC 5087

#### DESCRIPTIVE REPORT - DATA RECORD

T - 10353

Project No. (II): Ph-155

Quadrangle Name (IV):

Field Office (II): Astoria, Oregon

Chief of Party: V. Ralph Sobieralski

Unit Chief: C. D. Upham

Photogrammetric Office (III):

Portland, Oregon

Officer-in-Charge: Lorne G. Taylor

Instructions dated (II) (III):

5 Oct. 1955 ) 12 Oct. 1955 ) II, III 3 July 1957 )

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III):

Kelsh Stereoscopic 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):

O 1251 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 3/20/62

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):

GUN (USE) 1905

Lat.:

460 121 25.8281

1230 571 39.325" Long.:

Adjusted X

Unadjusted

Plane Coordinates (IV):

State:

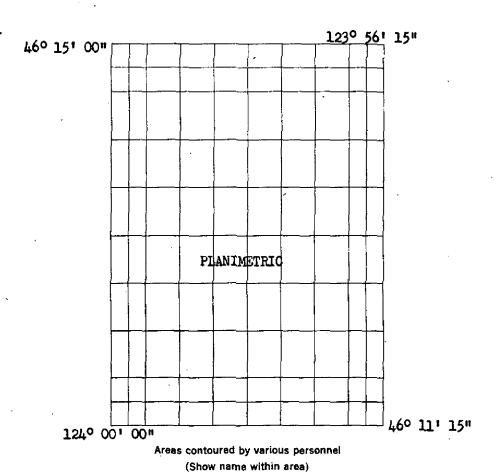
Zone:

945,016.82

1,123,904.46

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.



(11) (11)

COMM-DC-57842

#### DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): C. D. Upham

Sept. 1957 Date:

Planetable contouring by (II):

Date:

Completion Surveys by (II): Supplementary aid

Date: 1958

Mean High Water Location (III) (State date and method of location): September 1957 by field inspection and compilation by Kelsh Instrument.

Projection and Grids ruled by (IV):

J. R. Haskins

Date: 9-7-57

Projection and Grids checked by (IV): J. B. Phillips

Date:

Control plotted by (III):

L. L. Graves

Date: 11-27-57

Control checked by (III):

D. N. Williams

Date: 11-29-57

Radial Plot or Stereoscopic

John D. Perrow Jr.

Date: Nov. 1957

Control extension by (III):

Planimetry D. N. Williams Date: 12-9-57

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III):

D. N. Williams, Scribing

Date:

C. C. Harris, Stick-up

Photogrammetric Office Review by (III): J. E. Deal

Date:

7-25-60

Elevations on Manuscript checked by (II) (III):

Date:

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

Camera (kind or source) (III):

PHOTOGRAPHS (III)	)
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Number	Date	Time	Scale	Stage of Tide
57-L-1817	8-18-57	14:44	1:25,000	7-91 above M.L.L.W.
55-W-9819 and 9820	9-24-55	12:20	1:25,000	3.4° above M.L.L.W.

Tide (III)

Reference Station: Subordinate Station: Astoria (Tongue Point) Oregon

Subordinate Station:

Warrenton, Oregon

Mean Range

Diurnal

Range

Final Drafting by (IV):

Proof Edit by (IV):

Date:

Date:

Date:

Ratio of

Ranges

Drafting verified for reproduction by (IV):

Land Area (Sq. Statute Miles) (III): 4

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

Control Leveling - Miles (II):

38 Recovered: 21 Identified: Number of Triangulation Stations searched for (II): 10 Identified: 9 Recovered: Number of BMs searched for (II): (Tidal)

Number of Recoverable Photo Stations established (III): 3

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

Remarks:

#### PLANIMETRIC PROJECT PH - 155

#### MOUTH OF COLUMBIA RIVER, WASH.-OREGON

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1010	Ser.		1034
46*22'30"	Naselle	Dee River	1034
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46°07'30" 10359	10360 10361 10362	10363 10364	1035
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10346	11	
10347	3	12
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10363	3.7	10
10364	12	12
10649	В	8
10650	_4_	8
TOTAL	219	193

#### FIELD INSPECTION REPORT

Map Manuscript T-10353

Project Ph-155

Refer to Field Inspection Report for Project Ph-155, "Mouth of Columbia River to Altoona", July 1957 to November 1957. (147-10694)

DYA

### Bridging Report Ph-155 Mouth of Columbia River

#### Strip #1

Strip one consisting of models 55 w 9770 thru 55 w 9782 was bridged in its entirety on the stereoplanigraph and bridge points were left to help control strip two. It is felt that models 55 w 9770 thru 55 w 9776 may be weak due to poor foreward overlap in models 55 w 9774 thru 55 w 9772. Only a small area in the southern end of 55 w 9774 and 55 w 9772 overlaped, giving a very short base for continuing the bridge. In the setting of these models, passpoints dropped while detailing strip two should be favored over the bridge points.

#### Strip #2

This strip contains sufficient control together with bridge points from strips one and three to scale all models.

#### Strip #3

Models 55 w 9808 thru 55 w 9814 were bridged and bridge points dropped to help control strip two. Models 55 w 9814 thru 55 w 9818 could be difficult to set in stereo instruments and it may be necessary to use graphic methods in detailing these areas. The detail involved is only a small area along the northern edge of the shoreline since strip two covers most of the area. Models 55 w 9814 thru 9821 can be set and contain sufficient control to scale these models.

In the bridging of this strip it was found that several stations could not be held. Astoria Flavel Residence, Cupola 1935 and S. S. Milepost 95, (ORE.) 1934 could not be clearly seen in the photos and should not be held. Stations JJ-203 1936 (USE), H-203, 1936, (USE), FF-203, 1936 (USE) and D-203, 1936 (USE) could not be held in relation to other control. All of these stations tended to shift in one direction which seems to indicate a shift in the datum of the USE control. It should be noted that all of these USE stations are on the same traverse line. Hence all stations on this particular line should not be used. SS Orchard, USE, 1936 in Strip #1 is in this same area, however, this station was cut into C%GS control by triangulation and should be held.

John D. Perrow, Jr.

Approved

Morton Keller 10/28/57

CECTAN.

PH-155

#### Strip No. 1

#### Coordinates for Passpoints Obtained

#### from Stereoplanigraph Bridging

No.	X	Y	No.	X	Y
T-10359 821	1,122,326	919,055	7-10362 762	1,165,911	917,667
10359 822	1,123,737		763	1,165,095	<del>090,816&gt;909</del> 816
10359823	1,127,298		765	1,167,183	921,284
10359811	1,123,973 1,128,711 1,130,245 1,130,358	921,151 926,954 919,982	751 752 753	1,174,747 1,173,361 1,173,602	924,31,2 917,01,1 909,792
10360814	1,130,104 1,135,835 1,134,824	911,579 922,928 926,810 918,653	754 10363741 742 743	1,175,016 1,182,597 1,182,071 1,181,331	920,131 924,194 915,658 911,328
1036.0803	1,134,606	912,616	732	1,190,891	915,887
	1,137,378	921,968	733	1,190,404	911,315
	1,145,082	927,745	10364721	1,199,813	922,965
792	1,144,423	919,783	722	1,198,775	915,131
793	1,144,252	911,739	723	1,197,673	908,124
794	1,144,959	920,722	724	1,192,741	922,294
1036 1781	1,152,230	925,475	711	1,208,425	920,724
783	1,149,289	918,599	712	1,207,518	912,499
783		911,311	713	1,206,909	906,433
786		922,409	715	1,204,754	920,979
771	1,158,272	925,292	701	1,216,833	920,102
772	1,157,969	917,834	702	1,214,948	911,907
773	1,157,836	911,108	703	1,212,831	906,508
775	1,159,101	920,633	704	1,213,242	920,688

135

6

7

PH-155

#### Strip No.3

### Coordinates for Passpoints Obtained From Stereoplanigraph Bridging

FORM 164 (4-23-54)

T- 10353

MAP

DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

TROL RECORD

AST AND GEODETIC SURVEY

COMM- DC- 57843 FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS None FORWARD SCALE FACTOR 300,1) (10,012) 521.5) 832,8) (1500.1)313.2) 273.1) 579.2) DISTANCE FROM GAID OR PROJECTION LINE IN METERS 820.4) 705.6) (1049.8)322,6) (1518.9) 333.9) 209.7) (1199.3)(1153.8)(1492.5)(2.5211) (1323.9)(1515.2)686.2) N.A. 1927 - DATUM FORWARD 944.8 837.8 1223.9 691.2 703.6 474.2 324.7 370.2 818,4 23.9 31.5 98.8 ₩ ₩ 5.1 1283.9 1002,5 1210,8 200,1 1190,1 1314.3 1250.9 1201.4 DATUM MAP 1:10,000 OR PROJECTION LINE IN METERS (1900,30)DISTANCE FROM GRID IN FEET. 984.45) (3444.29)(1058.36)(46.789 (3934.78)(787.75) (1711.05) (2732.36)(2315.05)(2691.47)(4983.18) (3785.43) (4896,64) (4343.33) (4971.28) (2251.35) (1095.54) (4921.50) (1027.64)4675.74 896,13 (BACK) Ю FORWARD 28.72 3099.70 4312.06 3288.95 78,50 4212,25 103,36 2308.53 2748.65 16.82 3904.46 1065.22 4015.55 1214.57 2267.64 2684.95 3972,36 324.26 656.67 1555.71 3947.64 4103.87 SCALE LONGITUDE OR x-COORDINATE LATITUDE OR y.COORDINATE 1,123,099.70 944,312,06 1,116,065,22 944,015,55 123,972,36 940,103,36 120,324,26 1,120,656,67 942,308,53 1,127,748,65 941,555.71 1,123,941,64 945,016,82 1,123,904,46 1,116,214.57 944,212,25 1,118,288.95 942,267,64 1,127,684,96 945,078,50 939,103,87 945,028,72 Ph-155 PROJECT NO... DATUM N.A. 1927 = = 2 = = = Ħ = = SOURCE OF INFORMATION Oreg.N. Oreg. N. Oreg.N. Oreg.N. Oreg.N. Oreg.N. Oreg.N. OregoN. Oreg.N. Office Office (INDEX) COMD. Ŕ 225 ģ 27.7 Comp = FLAGPOLE, 1951 FORT STEVENS LONG-FORT STEVENS RADIO POLE, SOUTH RADIO FORT STEVENS RANGE ITUDE STATION 1911 ASTRONOMICAL STA. POINT ADAMS COAST POINT ADAMS COAST GUN (USE) OREG. QUARTER MASTER STATION GUARD STATION 1909 STATION STEET FLAGPO FORT STEVENS CHUMMY, 1956 CIIPOLA, 1951 1905 SWASH, 1935 Sub Station RADIO, 1926 TANK, 1951 POLE, 1935 8 TOWER C. GUARD

COMPUTED BY. J.E.D. 1 FT.=,3048006 METER

DATE 10-10-57

CHECKED BY. D.N.W.

DATE 10-17-57



DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

PAST AND GEODETIC SURVEY TROL RECORD

OF MAP 1110,000

SCALE

Ph-155

PROJECT NO...

MAP T- 10353

None

SCALE FACTOR

FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS 10 (BACK) FORWARD DISTANCE FROM GAD OR PROJECTION LINE IN METERS 1,3) (1269.1)43.8) (1045.6)(1226.0)(1285.7)(207.3)(1232,6) (1003.4)213.4) (929) 506.3) 31.6) 286,6) 580.8) (34.8) (1685.2)(1548.4)(1323,8)783.7) (1617.3)425.5) (BACK) N.A. 1927 - DATUM FORWARD 200,2 478.4 298.0 566.9 849,2 502,8 943.2 304.2 1237.4 620.0 235.3 167.4 6.098 1522,7 1079.0 1151.5 17.1 1639.2 1254.8 1787:2 780.1 1242.6 DATUM OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET. 4.12) (3430.51)910.16 (4343.04) (1905.44) (4022,27) (BACK) FORWARD 1569,49 656.96 3094.56 4059.84 4995.88 977.73 LONGITUDE OR \* COORDINATE Ċ LATITUDE OR #-COORDINATE 00,799 57,882 07,619 58.524 05,422 40.156 09,850 27.504 36,383 57.956 53.71 12 18,36 80.08 23.45 50,33 53.09 1,123,094,56 1,120,656,96 951,569,49 944,995.88 939,059.84 1,125,977.73 56 ü 3 12 52 Ħ 26 56 72 Ħ 57 57 97 9 123 123 9 3 123 94 133 123 3 123 123 9 123 DATUM 1927 N.A. = = Ξ = Ħ Ħ = = = E SOURCE OF Oreg.N. Office Comp. Astoria Quad. U.S.E. Pg.1128 Oreg.N. Astoria Pg-736 31 A 3 (USE) 193\$Office G-6306 Pg. 736 9069-5 (INDEX) Quad. U.S.E. 230 Comp. = E F FORT STEVENS RANCE FORT STEVENS RANGE FORT STEVENS WHARF TALLER STACK, 1951 FIRE CONTROL HILL FORT STEVENS EAST FORT STEVENS WEST JETTY LIGHT 1951 JETTY LIGHT 1951 DESDEMONA SANDS 31 (USE) 1935 26 LIGHT, 1951 HAMMOND, POINT ADAMS CANNERY TOWER A, 1909 ROWER B, 1909 STATION 18 USGS 1935 1942 LIGHT, 1958 Ø

J.E.D. 1 FT. = 3048006 METER COMPUTED BY:.....

DATE 10-10-57

CHECKED BY:..

D.N.W.

DATE 10-17-57

COMM- DC- 57843

#### COMPILATION REPORT

#### Map Manuscript T-10353

#### Project Ph-155

#### 31. Delineation:

Refer to Item 31 for map manuscript T-10340.

#### 32. Control:

Refer to Item 32 for map manuscript T-10340.

#### 33. Supplemental Data:

- a. Blue line print of U.S. Engineer map of real estate at the mouth of the Columbia River, Scale 1" = 300', showing the boundary of Fort Stevens.
- b. Blue line print of Map of the City of Warrenton, Scale 1" = 1000' (approximately), showing part of city limit of Hammond.
- c. Blue line print of map of U.S.C.G. Lifeboat Station, Point Adams, Scale 1" = 20'.
- d. Map of Fort Stevens Management Area, Scale 4" = 1 mile, showing boundary of Game Reservation.
- e. Two tracings from maps showing additions to City of Hammond. Scale  $1" = 200^{\circ}$  and  $1" = 50^{\circ}$ .
- f. Map of City of Hammond, no scale given.
- g. Blue line print of Fort Stevens Park, Scale 1" = 800'.
- h. Copy of Senate Bill No. 1 94 OC 1957, State of Oregon.

#### 34. Contours and Drainage:

Contours are not applicable.

Most of the drainage was field inspected. Any drainage not field inspected was interpreted in the compilation office assisted by reference to the Warrenton, Oreg. - Wash.  $7\frac{1}{2}$  minute U.S.G.S. quadrangle.

#### 35. Shoreline and Alongshore Details:

These features were adequately field inspected and no trouble was encountered during compilation.

The low water line could not be determined from the photographs and it was not mapped.

#### 36. Offshore Details:

No offshore details were visible during field inspection or on the photographs. Nautical chart No. 6151 does not show any offshore features that should be investigated.

#### 37. Landmarks and Aids:

Form 567 is submitted for two landmarks and four fixed aids to navigation in the area of this manuscript.

#### 38. Control for Future Surveys:

Three objects were located as recoverable topographic stations. They are listed under Item 49, Notes to the Hydrographer.

#### 39. Junctions:

Satisfactory junctions were made with T-10352 on the west, T-10346 on the north, T-10354 on the east and T-10359 on the south.

#### 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 quadrangle WARRENTON, OREG.-WASH., Scale 1:24,000, published in 1953.

#### 47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6151, Scale 1:40,000, 34th edition dated October 1960, corrected through 29 October 1960, and Nautical Chart No. 6002, Scale 1:180,789, 10th edition 9 July 1942, revised 23 May 1960, corrected through 7 January 1961.

Items to be applied to nautical charts immediately:

Landmark "RADIO" should be deleted from Chart 6002.

Items to be carried forward:

None.

Approved:

Respectfully submitted:

Fred Natella, CAPT, C&GS Portland District Officer

for

Lorne G. Taylor, CDR, C&GS

Charles H. Bishop Surveying Technician

C&GS



Map Manuscript T-10353

#### 49. Notes to the Hydrographer:

No recoverable topographic stations were located.

There is one station WHITE (USE) 1957 which is a hydro signal beacon. This station is identified on field photograph 55 W 8635 and its location was satisfactorily verified during the Kelsh Instrument compilation. There are numerous triangulation stations in the area which are natural objects. Several aids to navigation located by Kelsh-Instrument are also available for hydrographic control.

#### 48. Geographic Names:

Clatsop County
Clatsop Spit
Columbia River
Fort Stevens Boat Harbor
Fort Stevens State Park
Hammond
Jetty Sands
Pacific County
Point Adams
South Jetty
Swash Lake

eographic Names Section February 1962

### F COMMERCE U. S. COAST AND GEODETIC SURVEY **DEPARTMENT**



# NONFLOATING AIDS TREADMINIMENTS FOR CHARTS

TO BE CHARTED MANUFACTOR DESCRIPTION

STRIKE OUT ONE

Portland, Oregon

26 July

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

Charles H. Bishop The positions given have been checked after listing by

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_ C	NOEME				POSITION	Z		METH	_	-	TRAN		-,-
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	Fort Stevens East Jetty Light	1576	1 97	18,36	123	56 1079.0	E 0		1951	-	×	1519	~ -+4
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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.

## F COMMERCE **DEPARTMENT**

U. S. COAST AND GEODETIC SURVEY



# NONTHICOARTINGSCALIDISCOR LANDMARKS FOR CHARTS

STRIKE OUT ONE TO BE CHARTED TO CONTROL TO SERVICE

Portland, Oregon

26 July

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

Charles H. Bishop

The positions given have been checked after listing by

STATE	МОДаао				POSITION			METHOD			19AH;
4	Orbodia		ጟ	LATITUDE	LON	LONGITUDE		LOCATION	DATE OF	08 CH	CHARTS APPECTED
CHARTING	DESCRIPTION	SIGNAL	-	D.M.METERS	-	D.P. METERS	DATUM	SURVEY No.	LOCATION		
TANK	Elevated Steel Watertank		11 94	51.77	123 57	36.69	N.A. 1927	Triang-	1951	×	1519
	1951) Ht. = 114'(160')				· ·						
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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.

U. S. COVERNMENT PRINTING OFFICE; 1949 0 - 853418

Form 567 April 1945

F COMMERCE DEPARTMENT,

U. S. COAST AND GEODETIC SURVEY

# NICHTECOARTINGSYKIEGEN LANDMARKS FOR CHARTS

MAN DE LE COMPANION DE LA COMP TO BE DELETED

STRIKE OUT ONE

Portland, Oregon

I recommend that the following objects which have (transport) been inspected from seaward to determine their value as landmarks be xhistochrona (duletenchron) the charts indicated.

Charles H. Bishop The positions given have been checked after listing by

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Fred Natella		DATE					-							-			
Fre	METHOD	LOCATION	SURVEY No.					•									
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	STATE		CHARTING	RADIO				·									

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.

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

#### 62. Comparison with Regitstered Topographic Surveys

Map No.	Scrle	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-	H T	1868	<b>425</b> 0	W	**
1138	Ħ	1869	4251	•	W
1139a&b	u	<b>186</b> 9	<b>42</b> 63	1:10,000	1926
1234		1870	4264	<b>*</b> -	H
1235	Ħ	1870	6521a	Ħ	ij
1249	*	1870	65 <b>2</b> 1b	*	1936

The manuscripts covered by this review report supersede 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°14'37" and longitude 123°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 amouth 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 Harmond 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 sing 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.

Respectfully submitted:

A. K. Heywood

Approved

Chier, Review and Edit Sec.

Chief, Div. of Nautical Charte

Chief. Div. of Photograpmetry

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#### NAUTICAL CHARTS BRANCH

#### SURVEY NO. <u>T-10353</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
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			Before After Verification and Review
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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.