9520
9520N
COMBINED

Diag. Cht. No. 6002-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline & Topographic

Field No. Ph-62 Office No. T-9520

LOCALITY

State Washington

General locality Grays Harbor

Locality Aberdeen

1950-57

CHIEF OF PARTY

C.W.Clark, Chief of Field Party
E.H.Kirsch, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE August 14, 1962

USCOMM-DC 5087

9520
9520N
COMBINED

DATA RECORD

T -9520 (Shoreline)

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

Field Office (II): Aberdeen, Washington Chief of Party: Charles W. Clark

Photogrammetric Office (III): BALTIMORE, MD. Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): 20 March 1951
Letter No. 71-aal, dated 3 August 1951
Letter No. 731-mkl, Horizontal Control, dated 17 Aug. 1951
Instructions - Supplement 1, dated 15 February 1952
Letter No. 73-mkl, Horizontal and Vertical Control, dated 13 May 1952

Copy filed in Division of Photogrammetry (IV)

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

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:10,000

Scale Factor (III): 1:1.0000

APR 21 1955

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 9-10-58

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 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): VISTA, 1940

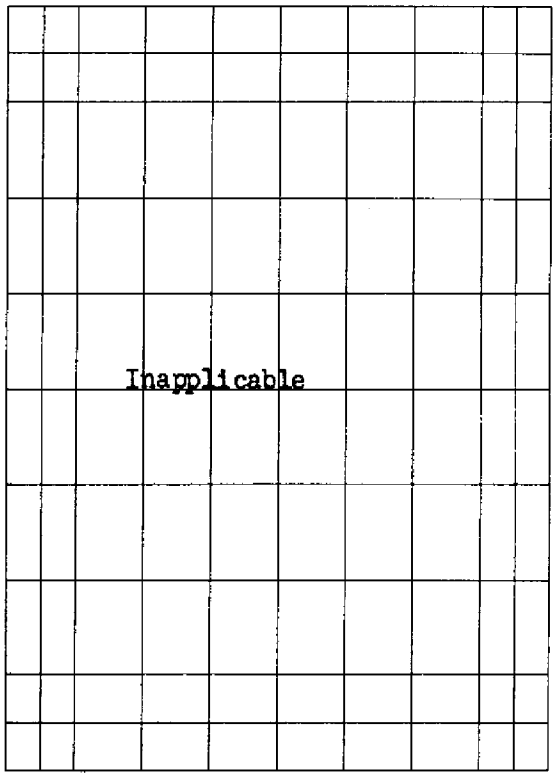
Lat.: 46° 57' 03.521" Long.: 123° 48' 03.060" Adjusted ~~Unadjusted~~

Plane Coordinates (IV): State: Zone: Washington (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

Field Inspection by (II): Charles H. Bishop — Date: 20 November 1952

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location):
11 July 1950

Projection and Grids ruled by (IV): Jack Allen — Date: 9 Sept. 1952

Projection and Grids checked by (IV): H. D. Wolfe — Date: 6 Oct. 1952

Control plotted by (III): A. K. Heywood — Date: 28 April 1953

Control checked by (III): J. D. McEvoy — Date: 30 April 1953

Radial Plot or Stereoscopic Control extension by (III): --- — Date:

Stereoscopic Instrument compilation (III): Planimetry E. H. Taylor — Date: 6 May 1953

Contours — Date:

Manuscript delineated by (III): C. A. Lipscomb — Date: 8 May 1953

Photogrammetric Office Review by (III): D. M. Brant — Date: 19 April 1955

Elevations on Manuscript checked by (II) (III): --- — Date: ---

Camera (kind or source) (III): U. S. Coast & Geodetic Survey, Type "O" 152.37 mm focal length.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
50-0-1763 thru 1765	7/11/50	1600	1:24,000	3.5' above MLLW
1811 thru 1814	"	1625	"	3.6' above MLLW
1820 thru 1822	"	1632	"	3.6' above MLLW

Tide (III) From predicted tables — Diurnal

Ratio of Ranges	Mean Range	Spring Range
-	7.8	9.9

Reference Station: Aberdeen Washington
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV): A.K. HEYWOOD — Date: AUGUST, 1958

Final Drafting by (IV): A Boldin — Date: 4-4-61

Drafting verified for reproduction by (IV): W O Hallin — Date: 4-19-61

Proof Edit by (IV): — Date:

Land Area (Sq. Statute Miles) (III):
Shoreline (More than 200 meters to opposite shore) (III): 16.6
Shoreline (Less than 200 meters to opposite shore) (III): 7.6
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 92 — Recovered: 49 — Identified: 21
Number of BMs searched for (II): — Recovered: — Identified:
Number of Recoverable Photo Stations established (III): 18
Number of Temporary Photo Hydro Stations established (III):

Remarks:

DATA RECORD

TOPOGRAPHIC

T -9520

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

Field Office (II): Aberdeen, Washington Chief of Party: Charles W. Clark

Photogrammetric Office (III): BALTIMORE, MD. Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): 20 March 1951 Copy filed in Division of Photogrammetry (IV)
Letter No. 71-aal, dated 3 August 1951
Letter No. 731-mkl, Horizontal Control, dated 17 August 1951
Instructions - Supplement 1, dated 15 February 1952
Letter No. 73-mkl, Horizontal and Vertical Control, dated 13 May 1952

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

Manuscript Scale (III): 1:17,000 Stereoscopic Plotting Instrument Scale (III): 1:17,000

Scale Factor (III): 1.000

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 9/10/58

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 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): VISTA, 1940

Lat.: 47° 57' 03.521" Long.: 123° 48' 03.06" Adjusted

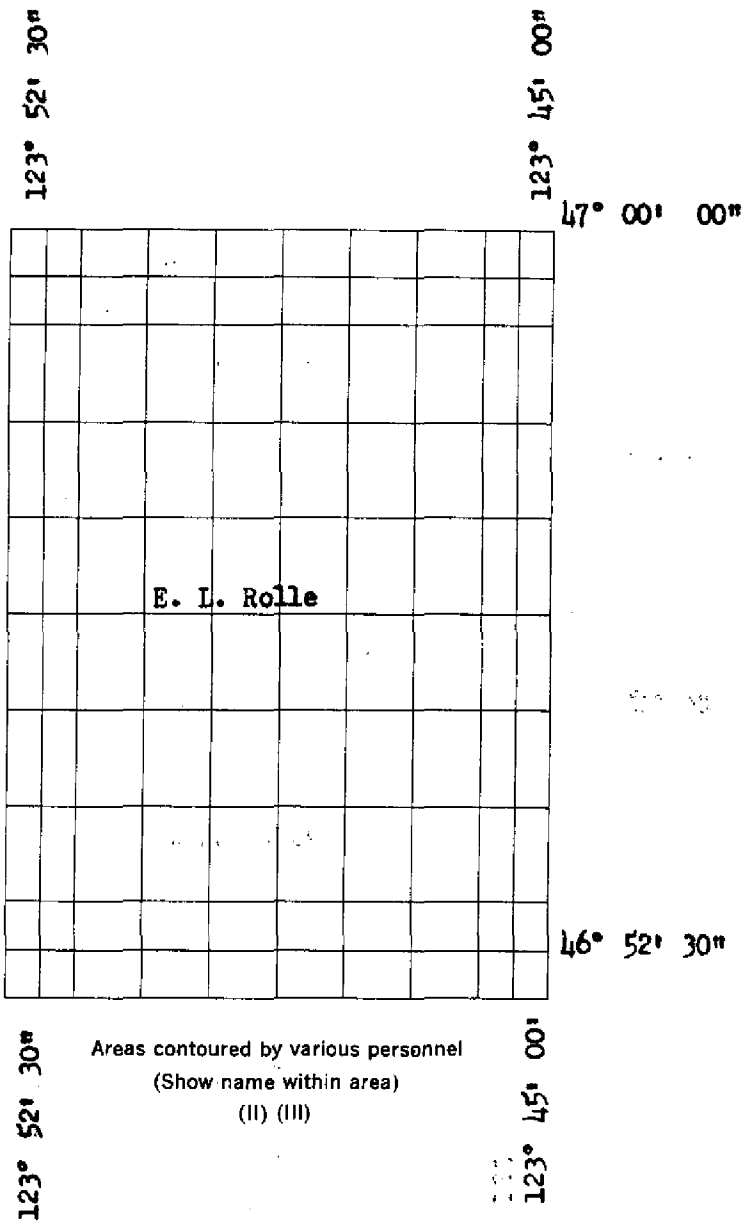
Plane Coordinates (IV): State: Washington Zone: (South)

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

Field Inspection by (II): Charles H. Bishop — Date: 20 November 1952

Planetable contouring by (II): — Date:

Completion Surveys by (II): ELGAN T. JENKINS — Date: 17 JULY 1957

Mean High Water Location (III) (State date and method of location):
11 July 1950 - Photogrammetric

Projection and Grids ruled by (IV): Jack Allen — Date: 9 September 1952

Projection and Grids checked by (IV): H. D. Wolf — Date: 6 October 1952

Control plotted by (III): A. K. Heywood — Date: 1 April 1953

Control checked by (III): E. H. Taylor — Date: 2 April 1953

Radial Plot or Stereoscopic Control extension by (III): E. L. Rolle — Date: 28 April 1953

Stereoscopic Instrument compilation (III):
Planimetry E. L. Rolle — Date: 26 June 1953
Contours E. L. Rolle — Date: 26 June 1953

Manuscript delineated by (III): E. L. Rolle — Date: 26 OCT. 1953

Photogrammetric Office Review by (III): D. M. Brant — Date: 30 June 1955

Elevations on Manuscript checked by (II) (III): D. M. Brant — Date: 15 June 1955

M-2618-12(4)

Camera (kind or source) (III): U. S. COAST & GEODETIC SURVEY Type "O", 152.37 mm focal length

PHOTOGRAPHS (III)

Number	Date	Time PST	Scale	Stage of Tide
51-0-7163 thru 7167	6/16/51	13:35	1:40,000	4.9' above MLLW
51-0-7154 thru 7158	6/16/51	13:24	"	4.9' " "

See page 4 of the Descriptive Report for shoreline survey T-9520 for 1:24,000 scale photography.

Tide (III)
From Predicted Tide Tables

Diurnal

Ratio of Ranges	Mean Range	~~Spring~~ Range
-	7.8	9.9

Reference Station: Aberdeen, Washington
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV): A. K. Heywood Date: August 1958

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 46
Shoreline (More than 200 meters to opposite shore) (III): 16.6
Shoreline (Less than 200 meters to opposite shore) (III): 7.6
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 92 Recovered: 49 Identified: 21
Number of BMs searched for (II): 40 Recovered: 36 Identified: 22
Number of Recoverable Photo Stations established (III): 18
Number of Temporary Photo Hydro Stations established (III):

Remarks:

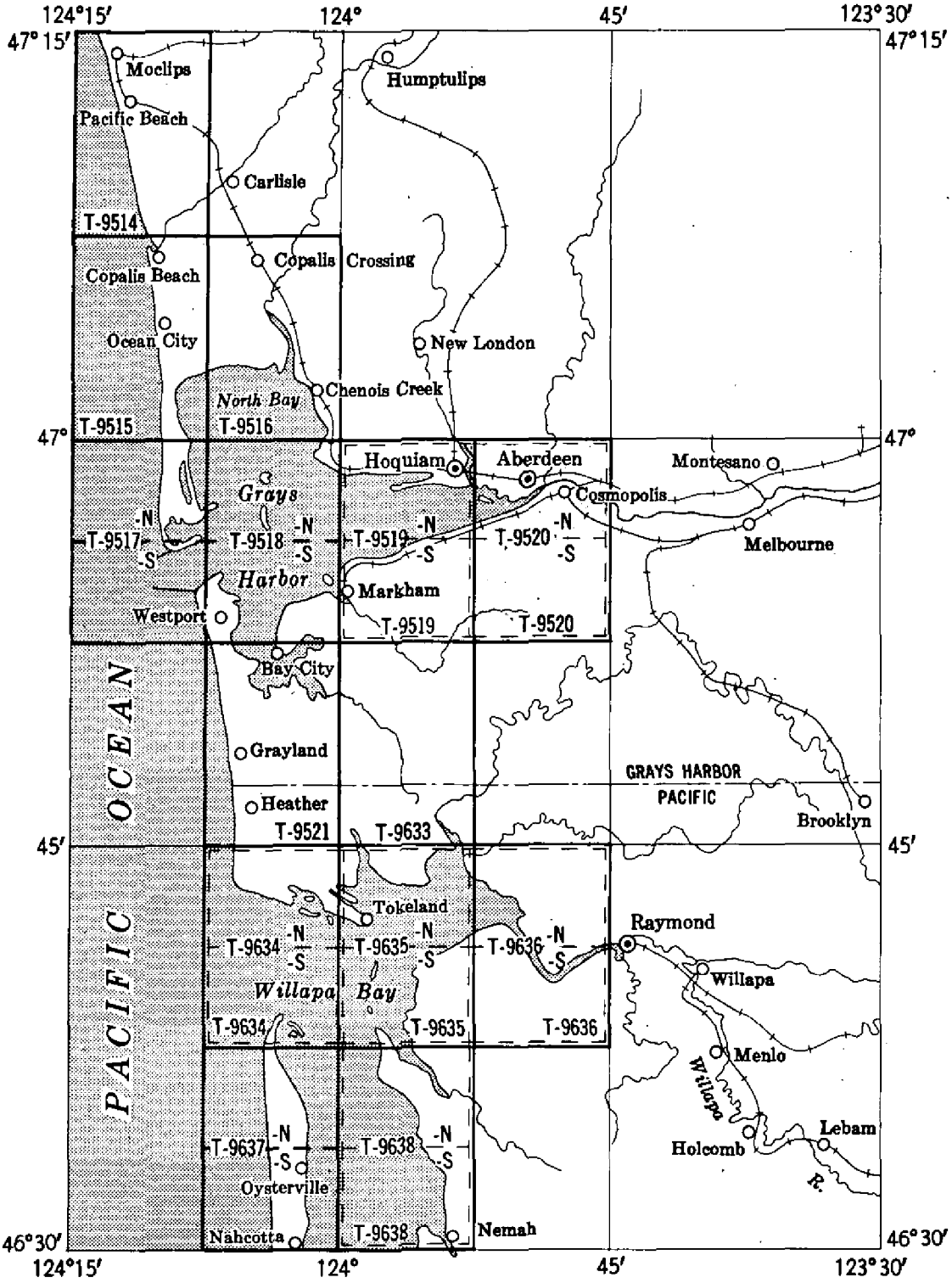
Third-order triangulation stations established: 13
Fourth-order supplemental stations established and identified: 1

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-9520

Topographic Map T-9520 is one of 14 similar maps in Project PH-62. It covers from East Hoquiam East to Cosmopolis on the Chehalis River.

This is a multiplex project in advance of Hydrographic surveys to be made in the 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.

Both a topographic and a shoreline survey was made of this area.

The topographic compilation was at a scale of 1:17,000. The manuscript consists of one vinylite sheet 7½ in Latitude and 7½ in Longitude.

The shoreline survey consisted of one sheet T-9520 at a scale of 1:10,000. The sheet is 3 3/4' in Latitude and 7½' in Longitude.

The entire map was field edited. Contours do not meet the National Standards of Map Accuracy. It is to be published by the Geological Survey as a standard topographic quadrangle at a scale of 1:24,000 without an accuracy statement.

The registered copies under T-9520 will include cronar film positives of the topographic manuscript and the shoreline map.

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-9520 PROJECT NO. Ph-62(49) SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR φ-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)
ABERDEEN STATION KBKW, RADIO MAST 1952	Field Comp.	N.A. 1927	46	58	32.792	1012.6	840.2					
	Misc. Comp.		123	48	32.107	678.6	589.6					
WISK, 1940	G-5735 p. 732	"	46	59	08.320	256.9	1595.9					
			123	49	24.539	518.6	749.3					
VISTA, 1940	G-5735 p. 732	"	46	57	03.521	108.7	1744.1					
			123	48	03.060	64.7	1204.1					
SOUTH ABERDEEN LUMBER MILL, WATER TANK (WAT), 1940	G-5735 p. 741	"	46	58	23.119	713.9	1138.9					
			123	47	51.459	1087.7	180.5					
SOUTH ABERDEEN, E.C. MILLER CEDAR LUMBER CO., WATER TANK FINIAL (MOP), 1940	G-5735 p.740	"	46	58	16.225	501.0	1351.8					
			123	46	51.984	1098.8	169.5					
SOUTH ABERDEEN, E.C. MILLER CEDAR LUMBER CO., TALLEST OF FOUR IRON STACKS (BLACK)												
1940	G-5735 p.740	"	46	58	15.853	489.5	1363.3					
			123	46	49.821	1053.2	215.1					
SOUTH ABERDEEN, BAY CITY LUMBER CO., WATER TANK FINIAL, 1940	G-5735 p. 740	"	46	57	56.736	1752.0	100.8					
			123	46	45.505	962.0	306.4					
PTS1(USGS), 1911	USE CONTROL DATA p.A-4	"	46	58	33.9	1046.8	806.0					
			123	48	58.3	1232.3	35.9					
P.U.D. PLANT, CONCRETE STACK, WESTERN OF TWO, 1940	G-5735 p. 737	"	46	58	41.738	1288.9	563.9					
			123	50	59.995	1268.1	---					
P.U.D. PLANT, CONCRETE STACK, EASTERN OF TWO, 1940	G-5735 p. 738	"	46	58	41.638	1285.8	567.0					
			123	50	56.958	1203.9	64.2					
NEWS, 1940	G-5735 p. 731	"	46	57	05.715	176.5	1676.3					
			123	51	01.538	32.5	1236.3					

1 FT. = .3048006 METER

COMPUTED BY: A. K. Heywood DATE 9 March 1953 CHECKED BY: E. L. Rolle DATE 12 March 1953.

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT
CONTROL RECORD

MAP T- 9520 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		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			°	'	"	FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
ABERDEEN, FERN HILL CEMETERY, MAUSOLEUM CHIMNEY, 1941	G-5735 p. 743	N.A. 1927	46	59	41.056	1267.9	584.9					
			123	47	53.617	1132.9	134.8					
ABERDEEN HARBOR PLYWOOD CO. WATER TANK (GREEN), 1940	G-5735 p. 738	"	46	58	00.767	23.7	1829.1		Destroyed (Field edit)			
			123	50	51.111	1080.5	187.9					
ABERDEEN HULBERT MILL, WATER TANK FINIAL, 1940	G-5735 p. 739	"	46	57	45.800	1414.3	438.5					
			123	49	54.977	1162.3	106.2					
ABERDEEN, NORTHERN PACIFIC RAILROAD BRIDGE, Highest Light, 1941	G-5735 p. 742	"	46	58	29.432	908.9	943.9					
			123	48	32.511	687.2	581.0					
ABERDEEN, SAGINAW SHINGLE CO. STACK, 1940	G-5735 p. 739	"	46	57	58.426	1804.2	48.6					
			123	48	48.034	1015.4	253.0					
ABERDEEN, STATION KXRO, NORTH RADIO MAST, 1940	G-5735 p. 740	"	46	57	29.943	924.6	928.2					
			123	48	34.453	728.5	540.1					
ABERDEEN, WISHKAH RIVER BRIDGE, Highest (SWING), 1941	G-5735 p. 742	"	46	59	05.610	173.2	1679.6		Destroyed (Field edit)			
			123	48	14.376	303.8	964.2					
BECKER, 1941	G-5735 p. 732	"	46	58	31.588	975.4	877.4					
			123	48	55.771	1178.8	89.4					
BISHOP PLANT, IRON STACK (BROKE), 1940	G-5735 p. 741	"	46	58	27.826	859.3	993.5		Destroyed (Field edit)		∞	∞
			123	46	38.420	812.1	456.1					
BM I-12-1920, 1940	G-5735 p. 732	"	46	58	41.136	1270.3	582.5					
			123	47	24.753	523.2	744.9					
EAST HOQUIAM POSEY MFG. CO. WATER TANK (HIGH), 1940	G-5735 p. 737	"	46	58	08.597	265.5	1587.3		Destroyed (Field edit)			
			123	51	59.068	1248.6	19.1					
COSMOPOLIS, SOUTH TRANSMISSION TOWER 1940	G-5735 p. 740	"	46	57	19.911	614.9	1237.9					
			123	45	41.642	880.5	388.2					

1 FT. = .3048006 METER

COMPUTED BY: E. H. Taylor DATE 10 March 1953 CHECKED BY: E. L. Rolle DATE 11 March 1953

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-9520 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		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			°	'	"	FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
EAST HOQUIAM, POSEY MFG. CO RED BRICK STACK (CAT), 1940	G-5735 p. 736	N.A. 1927	46	58	07.610	235.0	1617.8		Destroyed (Field edit)			
			123	51	54.540	1152.9	115.5					
COSMOPOLIS NORTH TRANSMISSION TOWER 1940	G-5735 p. 740	"	46	57	35.947	1110.0	742.8					
			123	45	43.268	914.8	353.8					
CHEHALIS RIVER BRIDGE (U.S. HIGHWAY 101) LIGHT ATOP CENTER SPAN (RAIL), 1940	G-5735 p. 741	"	46	58	27.035	834.8	1018.0		Destroyed (Field edit)			
			123	48	08.875	187.6	1080.6					
CHEHALIS RIVER BRIDGE JUNCTION CITY LIGHT ATOP CENTER SPAN (DRAW), 1940	G-5735 p. 741	"	46	58	22.907	707.4	1145.4		Destroyed (Field edit)			
			123	46	46.265	977.9	290.3					
ABERDEEN (USE, 1937) 1940	G-5735 p. 734	"	46	59	15.994	493.9	1358.9					
			123	47	39.323	831.0	436.9					
ABERDEEN AMERICAN PLYWOOD CO. STACK (CONCRETE), 1940	G-5735 p. 739	"	46	58	02.747	84.8	1768.0					
			123	49	11.701	247.4	1021.0					
ABERDEEN, ANDERSON MILL, RED BRICK STACK (SON), 1940	"	"	46	58	17.764	548.6	1304.2					
			123	48	49.010	1036.0	232.3					
ABERDEEN, ANDERSON MILL WATER TANK (AND), 1940	"	"	46	58	18.948	585.1	1267.7					
			123	48	48.746	1030.4	237.9					
ABERDEEN, CHURCH OF PILGRIMS, CROSS ON STEEPLE, 1940	G-5735 p. 742	"	46	58	37.497	1157.9	694.9					
			123	48	57.741	1220.4	47.8					
ABERDEEN, DONAVON LUMBER CO. RED BRICK STACK (DON), 1940	G-5735 p. 739	"	46	57	51.908	1602.9	249.9					
			123	49	38.321	810.1	458.4					
SOUTH ABERDEEN, LUMBER MILL, IRON STACK, 1940	G-5735 p. 741	"	46	58	26.136	807.1	1045.7					
			123	47	56.132	1186.5	81.7					
KNOB, 1940	G-5735 p. 731	"	46	58	38.805	1198.3	654.5					
			123	52	25.587	540.8	727.6					

1 FT. = .3048006 METER

COMPUTED BY: E. H. Taylor DATE 10 March 1953 CHECKED BY: E. L. Rolle DATE 11 March 1953

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-9520 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 LIN IN METERS FORWARD	(BACK)
KAH, 1940	G-5735 p.732	N.A. 1927	46 59 19.103	589.9	1262.9					
			123 47 50.521	1067.6	200.3					
JALNA, 1939	G-5735 p.731	"	46 56 37.457	1156.7	696.1					
			123 52 06.866	145.2	1123.8					
HIWAY, 1940	G-5735 p. 732	"	46 58 43.091	1330.6	522.2					
			123 47 17.119	361.8	906.3					
FINIS, 1941	G-5735 p.732	"	47 00 02.563	79.1	1773.7					
			123 48 07.264	153.5	1114.1					
FILL (USE), 1940	G-5735 p.738	"	46 57 44.664	1379.2	473.6					
			123 50 22.283	471.1	797.4					
EAST HOQUIAM, WEST-COAST PLYWOOD CO. TALL IRON STACK (PLY), 1940	G-5735 p. 737	"	46 58 06.444	199.0	1653.8					
			123 51 25.549	540.1	728.3					
EAST HOQUIAM, RAYONIER PULP MILL, TALL CONCRETE STACK (RAYON), 1940	G-5735 p.736	"	46 58 12.258	378.5	1474.3					
			123 52 11.937	252.3	1016.0					
EAST HOQUIAM, RAYONIER PULP MILL, STEEL WATER TANK, Higher of two (RAY), 1940	"	"	46 58 14.054	434.0	1418.8					
			123 52 13.279	280.7	987.6					
ABERDEEN, STATION KXRO SOUTH RADIO MAST, 1952	Field Comp. Misc. Comp.	"	46 57 24.834	766.9	1085.9					
			123 48 32.677	690.9	577.7					
ABERDEEN, ANDERSON & MIDDLETON LUMBER CO. RADIO MAST, 1952	"	"	46 59 17.721	547.2	1305.6					
			123 47 42.222	892.2	375.7					
GRAYS HARBOR NORTH CHANNEL LT. 57, 1952	"	"	46 57 39.887	1231.7	621.1					
			123 50 42.470	897.9	370.6					
GRAYS HARBOR NORTH CHANNEL LT. 59, 1952	"	"	46 57 40.294	1244.3	608.5					
			123 50 03.795	80.2	1188.3					

1 FT. = .3048006 METER

COMPUTED BY: E. H. Taylor DATE 10 March 1953 CHECKED BY: E. L. Rolle DATE 11 March 1953

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-9520 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		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LIN IN METERS	
			°	'	"	FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
CHARLIES CREEK DIKE LT. 38, 1952	Field Comp. Misc. Comp.	N.A. 1927	46	57	22.493	694.6	1158.2					
			123	50	34.970	739.4	529.2					
CHEHALIS RIVER RANGE 1 FRONT LT., 1952	"	"	46	58	40.732	1257.8	595.0					
			123	46	51.069	1079.4	188.7					
CHEHALIS RIVER RANGE 1 REAR LT., 1952	"	"	46	58	44.542	1375.5	477.3					
			123	46	52.314	1105.7	162.4					
ABERDEEN, MUNICIPAL TANK, 1952	"	"	46	59	09.342	288.5	1564.3					
			123	49	51.019	1078.2	189.7					
ABERDEEN, FIRST METH. CH. DOME, 1952	"	"	46	58	38.097	1176.4	676.4					
			123	49	05.050	106.7	1161.4					
ABERDEEN MCDERMOTH SCHOOL, CUPOLA, 1952	"	"	46	58	38.076	1175.8	677.0					
			123	49	19.500	412.2	855.9					
ABERDEEN, OUR SAVIORS LUTHERAN CH. SPIRE, 1952	"	"	46	58	43.852	1354.2	498.6					
			123	49	11.350	239.9	1028.2					
ABERDEEN, STANDARD OIL CO. DOCK NE COR. LT. STANDARD, 1940	G-5735 p. 741	"	46	58	43.531	1344.2	508.6					
			123	46	58.654	1239.7	28.4					
HOQUIAM, 1910	G-6580 p.1008	"	46	58	43.652	1348.0	504.8					
			123	52	23.647	499.8	768.4					
GRAYS HARBOR NORTH CHAN. RANGE 7 REAR DAYBEACON, 1952	Field Comp. Misc.		46	57	15.448	477.0	1375.8					
			123	49	48.381	1023.0	245.7					
GRAYS HARBOR NORTH CHAN. RANGE 9 REAR DAYBEACON, 1952	"		46	57	55.261	1706.5	146.3					
			123	48	44.873	948.6	319.8					

1 FT. = .3048006 METER

COMPUTED BY E. H. Taylor DATE 10 March 1953 CHECKED BY E. L. Rolle DATE 11 March 1953

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9520 PROJECT NO. Ph-62 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 LIN IN METERS FORWARD	(BACK)
Sub. Pt. GRAYS HARBOR NORTH CHANNEL RANGE 7 REAR DYBN	Office Comp.	N.A. 1927	46 57	468.8	(1384.0)					
			123 49	1030.8	(237.9)					
Sub. Pt. No. 1 JALNA, 1939	"	"	46 56	1206.5	(646.3)					
			123 52	15.4	(1253.6)					
Sub. Pt. No. 1 FINIS, 1941	"	"	46 59	1756.1	(96.7)					
			123 48	29.1	(1238.5)					
Sub. Pt. No. 2 FINIS, 1941	"	"	46 59	1742.1	(110.7)					
			123 47	1267.3	(00.3)					
Sub. Pt. ABERDEEN WISHKAH RIVER BRIDGE HIGHEST LIGHT	"	"	46 59	193.9	(1658.9)					
			123 48	266.0	(1002.0)					
(SWING) 1941										

1 FT. = .3048006 METER

COMPUTED BY: D. M. Brant DATE 10 March 1955 CHECKED BY: Henry P. Eichert DATE 10 March 1955

COMM-DC-57843

COMPILATION REPORT
Project Ph-62
T-9520 (Shoreline)

Field Inspection Report:

See Descriptive Report for topographic survey T-9519 to be submitted later.

Photogrammetric Plot Report:

No bridging was done using the 1:10,000 scale photographs. Nevertheless, reference should be made to the Photogrammetric Plot Report for Surveys T-9519 and T-9520, which will be bound with the Descriptive Report for topographic survey T-9519.

31. DELINEATION

Refer to item 31 of the Compilation Report for shoreline - Survey T-9519.

32. CONTROL

Refer to Photogrammetric Plot Report, item 25.

33. thru 34.

Inapplicable.

35. thru 36.

Refer to the Compilation Report for shoreline - Survey T-9519.

37. LANDMARKS AND AIDS

Landmarks and aids have been reported on Forms 567.

38. CONTROL FOR FUTURE SURVEYS

There are eighteen Recoverable Topographic Stations in this survey. The field party established eleven stations and identified one station, STACK, 1952, to be located by multiplex. Two stations, AB, 1940 and BIN (1940), 1952, previously established in 1940 were identified.

38. CONTROL FOR FUTURE SURVEYS (cont'd)

AB, 1940 was verified by multiplex. BIN, 1952 was not verified and was relocated by multiplex. Four non-floating aids east of survey T-9520 were identified. However, only CHEHALIS RIVER LIGHT 2, 1952 was located by multiplex.

A list of recoverable topographic stations has been prepared and included in paragraph 49, "Notes For the Hydrographer".

Forms 524 were transmitted to the Washington office on 19 April 1955.

39. JUNCTIONS

Satisfactory junction was made with shoreline survey T-9519 to the west.

40. HORIZONTAL AND VERTICAL CONTROL

Refer to item 23 of the Photogrammetric Plot Report.

Tidal 6, is approximately the same position as Tidal 2, and is not shown on this manuscript.

41. thru 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

AMS V 791, sheet 1277 IV Aberdeen Quadrangle, scale 1:50,000, First edition (AMS1) 1942; (AMS 2) 1947.

47. COMPARISON WITH NAUTICAL CHARTS

Harbor Chart No. 6195, scale 1:40,000, published July 1949 (First edition) corrected, 4/21/52.

Items to be applied to Nautical Charts immediately: None.

Items to be carried forward: None.

*It should be noted that there is a new highway bridge under construction. The new bridge crosses the Chehalis River and is west of the Northern Pacific R. R. bridge in the vicinity of Aberdeen. The center line of the bridge is shown on the manuscript. *ADDED DURING FIELD EDIT AKA

Respectfully submitted
20 April 1955

Donald M. Brant

Donald M. Brant
Carto. (Photo.)

Approved and forwarded

E. H. Kirsch.

E. H. Kirsch, Comdr. USC&GS
Officer in Charge
Baltimore Photo. Office

COMPILATION REPORT
Project Ph-62
T-9520 (Topographic)

The Field Inspection Report and Photogrammetric Plot Report for Survey T-9520 are bound in the Descriptive Report for Topographic survey T-9519.

31. DELINEATION

Refer to item 31 of the Compilation Report for Topographic Survey T-9519.

Clouded areas in models 51-0-7164 - 7165 and 51-0-7165 - 7166 were supplemented by the 1:24,000 scale photography.

Two stadia traverses were run along portions of roads which were not visible on the photography because of heavy woods.

Stadia traverse "D" on the back of Field Photo 51-0-7157 was plotted graphically to locate the road northeast of Aberdeen.

With the exception of the spur line, stadia traverse "C" on the back of Field Photo. 51-0-7167 was computed and plotted to locate the road in the southwest corner of the manuscript. It also, located a quarter section corner ($\frac{1}{4}$ cor. $\frac{11}{14}$ Township 16 North, Range 10 West) on Topographic Survey T-9519. Photo 14 Point No. 2 at the end of the spur line would not check the plotted position from the traverse. The spur line was laid out graphically and adjusted to Photo Point No. 2.

32. CONTROL

Refer to the Photogrammetric Plot Report item 23 for the adequacy of control.

Vertical control was adequate.

33. SUPPLEMENTAL DATA

Map of the City of Hoquiam Grays Harbor County, Washington, scale 1 inch = 800 feet was used in compiling the city limits of Hoquiam. Map of Aberdeen Washington copyrighted and published by Kroll Map Company Inc., Seattle, Washington. This map was used in compiling the city limits of Aberdeen.

Plat of Cosmopolis, Washington, dated March 1916, scale 1 inch = 200 feet used in compiling city limits of Cosmopolis.

Land Plats:

Township No. 17, North Range No. 9, West Willamette, Meridian, dated May 23, 1883.

Township No. 16, North Range No. 9, West Willamette Meridian, dated March 6, 1882 and April 25, 1895.

Map of Grays Harbor County, Washington (Land lines, Project Ph-62).

34. CONTOURS AND DRAINAGE

Refer to item 34 of the Compilation Report for Topographic Survey T-9519.

35. thru 37.

Refer to the corresponding items of the Compilation Report for the shoreline survey of T-9520.

38. CONTROL FOR FUTURE SURVEYS

Refer to item 38 of the Compilation Report for shoreline survey for T-9520.

39. JUNCTIONS

Satisfactory junction was made with Topographic Survey T-9519 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to item 25 of the Photogrammetric Plot Report.

* The possibility of sub-normal vertical accuracy has been noted on the discrepancy overlay.

* TO BE PUBLISHED WITHOUT ACCURACY STATEMENT. AKH

41. BOUNDARIES

Land lines as shown in Township 17 North, Range 9 and 10 West are fair. Some of the distances between section corners identified by Field Inspection do not agree with distances given on the land plats. In such cases the field identified positions were used.

In township 16 North, Range 9 and 10 West, the land lines fit well up to section $\frac{31}{1\ \ 6}$. Offsets as given on the land plats were laid off along the lines between Township 16 and 17 north. From section corner $\frac{31\ \ 32}{6}$ west, the plat gives the distance as 40 chains. However, measuring east from section corner $\frac{36}{2\ \ 1}$, the land plat distance of 80 chains there is a gap between the two measurements of 100 meters. The 80 chain measurements from $\frac{36}{2\ \ 1}$ was used since this line drawn straight follows closely to a cleared timber line and goes through $\frac{1}{4}$ Corner $\frac{12}{17}$.

42. thru 47

Refer to the corresponding items of Compilation Report for the Shoreline survey of T-9520.

Respectfully submitted
30 June 1955

Donald M. Brant

Donald M. Brant
Carto. (Photo.)

Approved and forwarded
7/29/55

Joseph Steinberg
For E. H. Kirsch, Comdr. USC&GS
Officer in Charge
Baltimore Photo. Office

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T. 9520 (Topo)

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 None 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 None 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. David M. Brant — Reviewer; [signature] — 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.

Catherine A. Lipscomb — Compiler; [signature] — Supervisor 12/17/57

43. Remarks:

M-2623-12

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9520 SHORELINE

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. Donald M. Brant — Reviewer; Henry A. Richard — 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.

Catherine A. Lipscomb — Compiler; Henry A. Richard — Supervisor 12/17/87

43. Remarks:

M-2623-12

46. GEOGRAPHIC NAMES LIST

Aberdeen
Aberdeen Junction
** Alexander Young School
"B" Street
Bear Gulch
Books Ranch
Boone Street

Chapin Creek
Charles Creek
Chehalis River
Cosmopolis
Cow Point

East Aberdeen
East Hoquiam
Elliott Slough

Falls Creek
Florence Creek
Fry Creek

Grays Harbor

Hoquiam River

Junction City

Market St

Newskah Creek
North Channel
Northern Pacific
Northern Pacific (Moclips Branch)
North Fork Johns River
Northern Pacific (Ocosta Branch)

Park St.

Rennie Island

Simpson St
South Aberdeen
South Channel
Stewart Creek

* Union Pacific
U. S. 101
U. S. 410

Artic Lookout Tower

Benn Memorial Park

Chicago, Milwaukee, St Paul & Pacific

Fern Hill Cemetery

Olympic Stadium

Ave (on manuscript)

*From Nautical Chart 6195
** From Field Inspection

48. GEOGRAPHIC NAMES LIST (cont'd)

Wash. State 9
Wash. State 13
Wash. State 13A
West Blvd.
Wilson Creek
Wishkah Blvd.
Wishkah River
Wiskah Rd.
Wishkah St.
Wood St.

Highway Nos. 13-13A-9-410 and 101

Names approved
6-13-58
(originally 9-16-55)

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 25 March, 1955

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

The positions given have been checked after listing by Henry F. Richert

E. H. Kirsch *Chief of Party.*

STATE WASHINGTON

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
LT	(△ Chehalis River Range 1 Front Light, 1952)		46 58	40.732 1257.8	123 46	51.069 1079.4	N.A. 1927	Tri T-9520	1952	x			6195
LT	(△ Chehalis River Range 1 Rear Light, 1952)		46 58	44.542 1375.5	123 46	52.314 1105.7	"	"	"	x			"
LT "38"	(△ Charlies Creek Dike Light 38, 1952)		46 57	22.493 694.6	123 50	34.970 739.4	"	"	"	x			"
BN	(○ Grays Harbor North Chan. Range 7 Front Daybeacon, 1952)		46 57	24.875 768.1	123 50	12.103 255.9		Tri (topo.)	"	x			"
BN	(○ Grays Harbor North Chan.Range 7 Rear Daybeacon, 1952)		46 57	15.448 477.0	123 49	48.381 1023.0		"	"	x			"
LT "57"	(△ Grays Harbor North Chan.Light 57, 1952)		46 57	39.887 1231.7	123 50	42.470 897.9		Tri	"	x			"
BN	(○ Grays Harbor North Chan.Range 8 Front Daybeacon, 1952)	SHOWN AS DESTROYED ON BOATS II AGK	46 57	35.949 1110.1	123 49	23.049 487.1		Tri (topo.)	"	x			"
BN	(○ Grays Harbor North Chan.Range 8 Rear Daybeacon, 1952)		46 57	35.510 1096.5	123 49	01.786 37.8		"	"	x			"
BN	(○ Grays Harbor North Chan.Range 9 Front Daybeacon, 1952)		46 57	52.453 1619.7	123 48	58.024 1226.7		"	"	x			"
BN	(○ Grays Harbor North Chan.Range 9 Rear Daybeacon, 1952)		46 57	55.261 1706.5	123 48	44.873 948.6		"	"	x			"
BN	(○ Grays Harbor North Chan.Range 10 Front Daybeacon, 1952)		46 57	24.813 766.2	123 50	12.028 254.3		"	"	x			"
BN	(○ Grays Harbor North Chan. Range 10 Rear Daybeacon, 1952)		46 57	10.848 335.0	123 50	37.978 803.1		"	"	x			"
LT "59"	(△ Grays Harbor North Chan. Light 59, 1952		46 57	40.294 1244.3	123 50	03.795 80.2		Tri.	"	x			"
LT "2"	(○ Chehalis River Light 2, 1952)		46 57	33.52 1035	123 44	29.32 620		Multi-plex	"	x			"

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 & GEODETIC SURVEY

~~NONNAVIGATIONAL AIDS OR~~ LANDMARKS FOR CHARTS

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

Baltimore, Maryland, 28 March, 1955

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

The positions given have been checked after listing by Henry P. Eichert

E. H. Kirsch *Chief of Party.*

STATE WASHINGTON

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
TANK	(△ Aberdeen, Hulbert Mill Water Tank, finial, 1940)		46 57	45.800 1414.3	123 49	54.977 1162.3	N.A. 1927	T-9520 Tr17	1940	x			6195
TANK	(△ Aberdeen, Harbor Plywood Co. water tank (Green), 1940)		46 58	00.767 23.7	123 50	51.111 1080.5	"	"	"	x			"
TANK	(△ South Aberdeen, Lumber Mill water tank (WAT), 1940)		46 58	23.119 713.9	123 47	51.459 1087.7	"	"	"	x			"
R. TOWER	Light Atop Tower (△ Aberdeen, Station KBKW Radio Mast, 1952)		46 58	32.792 1012.6	123 48	32.107 678.6	"	"	1952	x			"
R. TOWER	Light Atop Steel Tower(△ Aberdeen Station KXRO North Radio Mast, 1940)		46 57	29.943 924.6	123 48	34.453 728.5	"	"	1940	x			"
R. TOWER	Light Atop Steel Tower(△ Aberdeen Station KXRO South Radio Mast, 1952)		46 57	24.834 766.9	123 48	32.677 690.9	"	"	1952	x			"
TANK	(△ *Aberdeen Municipal Tank,* 1952)		46 59	09.342 288.5	123 49	51.019 1078.2	"	"	"	x			"
TANK	(△ South Aberdeen, E.C. Miller Cedar Lumber Co. Water Tank Finial (MOP), 1940)		46 58	16.225 501.0	123 46	51.984 1098.8	"	"	1940	x			"
TANK	(△ South Aberdeen, Bay City Lumber Co. Water Tank Finial, 1940)		46 57	56.736 1752.0	123 46	45.505 962.0	"	"	"	x			"
TOWER	(△ Cosmopolis, North Transmission Tower, 1940)		46 57	35.947 1110.0	123 45	43.268 914.8	"	"	"	x			"
TOWER	(△ Cosmopolis South Transmission Tower, 1940)		46 57	19.911 614.9	123 45	41.642 880.5	"	"	"	x			"
STACK	(△ East Hoquiam, Rayonnier Pulp Mill Tall Concrete Stack (RAYON), 1940)		46 58	12.258 378.5	123 52	11.937 252.3	"	"	"	x			"
STACK	(△ Aberdeen, Donovan Lumber Co. Red Brick Stack (DON), 1940)		46 57	51.908 1602.9	123 49	38.321 810.1	"	"	"	x			"
STACK	(△ Aberdeen, American Plywood Co. Stack (CONCRETE), 1940)		46 58	02.747 84.8	123 49	11.701 247.4	"	"	"	x			"

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

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 28 March 1955

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

The positions given have been checked after listing by Henry P. Eichert

E. H. Kirsch, *Chief of Party.*

STATE WASHINGTON

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
TOWER	Weather Tower (○ TOWER, 1952)		46 57	59.604 1841	123 51	19.075 403	N.A. 1927	T-9520 Tri (topo)	1952	x			6195
STACK	(△ Aberdeen, Anderson Mill, red brick Stack (SON), 1940)		46 58	17.764 548.6	123 48	49.010 1036.0	"	Tri	1940	x			"
STACK	(△ Aberdeen, Saginaw Shingle Co. Stack, 1940)		46 57	58.426 1804.2	123 48	48.034 1015.4	"	"	"	x			"

* 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.

For the Field Edit Report and the Review Report see the Descriptive Report for the topographic manuscript.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

[redacted] LANDMARKS FOR CHARTS

[redacted] TO BE DELETED } STRIKE OUT ONE

Aberdeen, Washington 16 July, 1957

I recommend that the following objects which have [redacted] been inspected from seaward to determine their value as landmarks be [redacted] *(deleted from)* the charts indicated.

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

V. Ralph Sobieralski, *Chief of Party.*

STATE WASHINGTON

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE * ° ′	″ D.M. METERS	LONGITUDE * ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TANK	Wooden water tank (Elev.)	GREEN	46 58.0		123 50.9		N.A. 1927	Triangulation	1940				6195
TANK	Wooden water tank (Elev.)		46 57.8		123 49.9		"	"	"				"
STACK	Red brick stack	SOM	46 58.3		123 48.8		"	"	"				"
*TANK	Wooden water tank (Elev.)	AMD	46 58.3		123 48.8		"	"	"				"
*TOWER	Skeleton steel radio tower		46 58.5		123 48.5		"	"	1952				"

* These two features do not appear on Chart 6195 but they were evidently recommended as landmarks as the Reviewer has them indicated. The first three objects shown on this form have been destroyed and the last two are not prominent.

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 METERS

M-2836-3

49. NOTES FOR THE HYDROGRAPHER

Refer to item 49 of the Compilation Report for T-9519 (Shoreline) A set of photographs have been prepared for hydrography and are forwarded herewith.

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

BMQ 285, 1952	STACK 1952
TOWER, 1952	AB 1940
STACK, 1952	BIN (1940 1952

GRAYS	HARBOR	NORTH	CHANNEL	RANGE	8	FRONT	DAYBEACON,	1952
"	"	"	"	"	8	REAR	"	"
"	"	"	"	"	9	FRONT	"	"
"	"	"	"	"	9	REAR	"	"
"	"	"	"	"	7	FRONT	"	"
"	"	"	"	"	7	REAR	"	"
"	"	"	"	"	10	FRONT	"	"
"	"	"	"	"	10	REAR	"	"

CHEHALIS RIVER LIGHT 2, 1952

FIELD EDIT REPORT
Project Ph 62, T-9520
V. R. Sobieralski, Chief Of Party

51. METHODS.

All roads were ridden out to visually check positions of all features that were mapped and the ones recommended to be mapped. The majority of the new buildings were added to the field edit sheet by scaled distances that were paced from the nearest mapped feature. Where this method was not feasible, buildings, roads and other new features were located by standard planetable methods. Due to the amount of triangulation in the area, the position of the planetable was always located by resection for all shoreline, alongshore and offshore features that were to be added or corrected. Some contours and elevations were checked using standard planetable traverse methods or by a scaled distance, vertical angle and tangent function. A note of explanation has been given in some notes to the Reviewer explaining which elevations were obtained by the scaled distance method.

Field edit information is shown as follows:
One (1) double weight print, 1: 20,000 scale, cut into a north and south half on which all interior features were inspected and corrected where necessary.

One (1) double weight print, 1: 20,000 scale, used for checking some contours, points of elevations and as a junction sheet. Attached to this print are some notes that might be an aid in a review of the work.

One (1) single weight shoreline print, 1: 10,000 scale with some notes thereon.

A portion of a double weight shoreline print, 1: 10,000 scale, used for the addition, correction and deletion of shoreline features east of the old Chehalis River Bridge(now removed) which was the east limit of the 1956 hydrography.

All photographs used on field edit have been cross referenced to the field edit sheets.

All additions and corrections made on the field edit prints have been shown with red ink, with green ink being used for all deletions. Additions and corrections made on the photographs and answers on the discrepancy print have all been shown with violet ink.

No legend is shown except a note on the discrepancy print describing the color ink used thereon.

52. ADEQUACY OF COMPILATION.

The compilation was very good considering the extent of the field inspection. Very few features were overlooked by the Compiler and the compilation will be complete with the application of the field edit data.

53. MAP ACCURACY.

The horizontal accuracy of all features checked was found to be relatively good. Some changes in the shoreline are shown, but these are mostly due to erosion and the pumping in of spoil.

54. RECOMMENDATIONS.

None offered.

55. EXAMINATION OF PROOF COPY.

Mr. Clarence S. Monson, Associate City Engineer, City Hall, Aberdeen, Washington has consented to examine a proof copy of the map manuscript. Mr. Monson is familiar with the area and it is believed he is well qualified to make the examination.

56. Junction strips along the north, east and south border of this map have been furnished by the Geological Survey. The contour junction will be correct at the quadrangle limits except for very minor changes that have been noted on the junction sheet.

Approved and forwarded:

V. Ralph Sobieralski

V. Ralph Sobieralski
LCDR C&G Survey
Officer in Charge

Respectfully submitted,
July 17, 1957

Elgan T. Jenkins

Elgan T. Jenkins
Cartographer

REVIEW REPORT T-9520
TOPOGRAPHIC
August 15th 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

H-334	1:221,360	1852
3154	1:10,000	1911
6809	1:10,000	1940

This manuscript supercedes the above surveys for purposes of nautical charting.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Aberdeen First Edition 1942 AMS

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made between this survey and hydrographic survey H-8293 dated 1956. This survey did not extend beyond the old bridge just east of the mouth of the Wishkah River.

The surveys are in agreement except for the following:

1. Differences in location of the MHWL exist particularly in the vicinity of Rennie Island. This is due to the changes made by the field editor subsequent to hydrography.

2. The wrecks just offshore south of the U. S. Naval Reservation were field edited on photo 50-0-1764 in 1957 and shown to bare 5' at MHW.

   The hydrographic survey dated 1956 shows these wrecks to be awash at MHW.

3. Just southeast of the area mentioned above a portion of the aband. trans. line which runs due east was recommended to be deleted during field edit. It has been shown on the boat sheet and the smooth sheet.

During verification necessary revisions were made to H-8293 RHC

At the time of this review the smooth sheet had not been verified.

65. COMPARISON WITH NAUTICAL CHARTS:

6195 53 Edition, May 1954 5/26/58

Range lights for ranges 2 & 3 shown on the charts and not on the manuscript were added to the chart from "Notice to Mariners".

Bridge data on the new bridge across Chehalis River adjacent to the Union Pacific R. R. bridge differs from that on the manuscript. The manuscript data was furnished by the field editor.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

The vertical accuracy of this manuscript was not checked. This is as per instructions dated 16 August 1956. It will be published without a vertical accuracy statement.

The horizontal accuracy was checked during field edit and found to be satisfactory.

Refer to general statements relative to the contouring of this project in item 66 of Review Report T-9514.

This manuscript complies with all instructions and may be used as a base for nautical chart construction.

67. SHORELINE SURVEYS

Shoreline manuscript T-9520 scale 1:10,000 covers that portion of Grays Harbor and Chehalis River as shown on the topographic manuscript. The surveys are in agreement.

Reviewed by

A.K. Heywood

A.K.Heywood

Approved

L C Landy

Chief,Review Section
Photogrammetry Division

Chief,Nautical Chart ~~Branch~~ Division
~~Charts Division~~

8/13/62

Chief,Photogrammetry Division

Chief,~~Coastal Surveys~~ Division
Operations

NOTES TO THE VERIFIER:

During the comparison by this reviewer of the manuscript and the hydrographic survey No. 8293 it was noted that many of the piles etc. shown on the boat sheet do not appear on the smooth sheet. The smooth sheet was not verified at the time of comparison.

The boat sheet and the manuscript are now in agreement except as noted in Item No. 64 of the Review Report.

The field edit sheet of the shoreline survey T-9520 mentions that a submerged cable exists across the bridge channel near the new bridge over Chehalis River. No location was furnished.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9520

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5.28.81	18500 (6002)	Peter Schumar	~~Before~~ After Verification and Review H20
			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

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.