11421 THRU 11425

11421 THRU 11425

Diag. Cht. Nos. 5902-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-132A Office No. T-11421 thru T-11425.

LOCALITY

State Oregon

General locality Tillamook County

Locality Tillamook Bay

1946-54

CHIEF OF PARTY

P. Natella, Chief of Field Party

LIBRARY & ARCHIVES

DATE June 23, 1958

8-1870-1 (1)

T- 11421
T- 11422
T- 11423
T- 11424
T- 11425

} Fully applied to 6112 Recnst. 10/10/60
C.R.H.

T-11421 - Fully applied to 6122 Recnst. 10/10/61
F.R.S.

DATA RECORD

T - 11421, T-11425

Project No. (II): Ph-132A Quadrangle Name (IV):

Field Office (II): Portland, Oregon Chief of Party: Fred Natella
Sub-Party: Tillamook, Oregon
Photogrammetric Office (III): Portland, Oregon Officer-in-Charge:

Instructions dated (II) (III): 2 April 1954
Field and Office Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

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

Scale Factor (III): None

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

Applied to Chart No. Date: Date registered (IV): 4/28/58

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): See reverse side

Lat.: Long.: Adjusted X
Unadjusted 1954

Plane Coordinates (IV): State: Zone:

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)

T-11421

ROCKAWAY, 1926

Lat. 45° 36' 09.791" (302.3m)
Long. 123° 56' 46.737" (1012.9m)

T-11422

GREEN HILL 2, 1908

Lat. 45° 33' 43.693" (1348.9m)
Long 123° 55' 51.935" (1126.3m)

DOTY R.M. 1908 T-11423

Lat. 45° 32' 12.610" (389.3m)
Long. 123° 51' 06.291" (136.5m)

T-11424

RIDGE, 1926

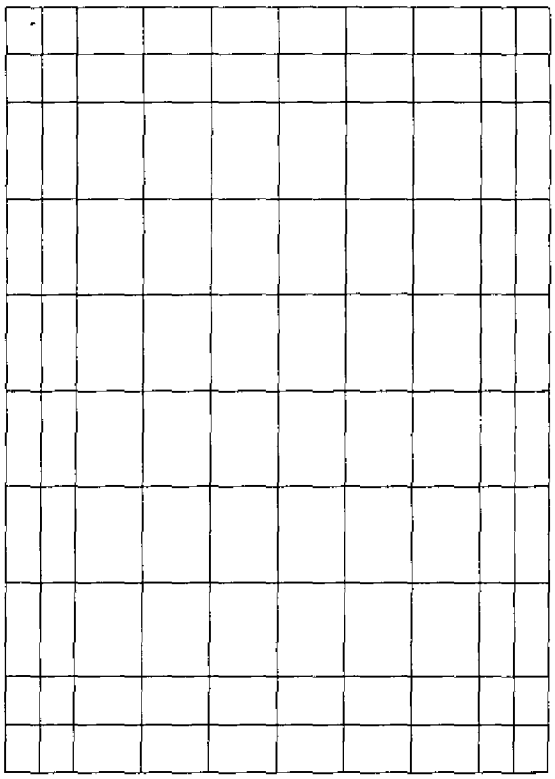
Lat. 45 26' 54.250" (1674.8m)
Long. 123 57' 32.964" (716.3m)

T-11425

WILSON, 1941

Lat. 45 29' 35.435" (1093.9m)
Long. 123 46' 36.051" (782.8m)

All adjusted positions



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

DATA RECORD

Field Inspection by (II): Victor E. Serena, Earl Garrett; Leonard F. Van Scoy, Joe B. Roberts Charles H. Bishop — Date: May - July 1954

Planetable contouring by (II): Planetable delineation of the shoreline of the N & S spits at the Tillamook breakthrough — Date: July, 1955

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): Located on field photographs generally and by planetable at break-through in May - July 1954. Transferred to office photographs by stereoscopic examination of photographs and then compiled.

Projection and Grids ruled by (IV): — Date:

Projection and Grids checked by (IV): — Date:

Control plotted by (III): J. E. Deal — Date: December 1954

Control checked by (III): V. E. Serena — Date: December 1954

Radial Plot~~xxStereoscopicx Control~~ by (III): J. E. Deal — Date: January 7, 1955

Stereoscopic Instrument compilation (III): Planimetry — Date:

Contours — Date:

Manuscript delineated by (III): See reverse side — Date:

Photogrammetric Office Review by (III): See reverse side — Date:

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

M-2618-12(4)

Manuscript No.	Compiled By	Date	Reviewed By	Date	Scribed By	Date
T-11421	C.C. Harris	4/8/55	J.E. Deal	4/11/55	C.C. Harris	4/25/55
T-11422	J.L. Harris	5/18/55	J.E. Deal	5/19/55	J.L. Harris	6/17/55
T-11423	J.L. Harris	4/11/55	J.E. Deal	4/14/55	J.L. Harris	4/15/55
T-11424	L.L. Graves	5/4/55	J.E. Deal	5/9/55	L.L. Graves	5/23/55
T-11425	D.N. Williams	4/27/55	J.E. Deal	5/2/55	C.C. Harris	6/8/55

Camera (kind or source) (III): USC&GS 9 lens focal length 8.25 inches

PHOTOGRAPHS (III)

Number	Date	Time	Scale		Stage of Tide
17324 thru 17333	8/9/46	14:48	1:10,000	(a)(b)	3.5' above M.L.L.W.
17335	8/9/46	14:50	1:10,000	(a)(b)	3.5' above M.L.L.W.
17337 thru 17339	8/9/46	14:59	1:10,000	(c)	3.8' above M.L.L.W.
37054 thru 37056	5/7/52	12:50	1:10,000	(a)	0.2' above M.L.L.W.
37124 thru 37127	5/23/52	08:20	1:10,000	(a)(b)	at M.L.L.W.
37129 thru 37132	5/23/52	08:23	1:10,000	(a)	at M.L.L.W.
37134 thru 37141	5/23/52	08:32	1:10,000	(a)	at M.L.L.W.
				(c)	3.7' above M.L.L.W.
42310 thru 42318	10/21/53	11:55	1:10,000	(a)	1.0' above M.H.W.

U.S.G.S. YX 7-49 thru YX 7-51 dated 8/10/53 1:40,000

Tide (III)

	MHHW	MHW	Ratio of Ranges	Mean Range	Spring Range
Reference Station: Humboldt Bay, California					
Subordinate Station: Barview, Oregon (a)	7.50	6.80		4.4	6.3
Subordinate Station: Miami Cove, Oregon (b)			1.3	5.7	7.5
Hoquarten Slough (c)	6.60	5.90	1.2	5.6	7.4
			1.2	5.2	6.6

+0:20 1.3

+1:20 h 1.2
+2:30 c

Washington Office Review by (IV): Date:

Final Drafting by (IV): R Cuttle, P Dempsey, R Cuttle, P Dempsey Date: 3/58

Drafting verified for reproduction by (IV): W.O. Hallein Date: 3/13/58

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 29.0

Shoreline (More than 200 meters to opposite shore) (III): 33 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 21 statute miles

Control Leveling - Miles (II): None

* Number of Triangulation Stations searched for (II): 42 Recovered: 41 Identified: 36

* Number of BMs searched for (II): Recovered: Identified:

Number of Recoverable Photo Stations established (III): 17 (see remarks(*

Number of Temporary Photo Hydro Stations established (III): 10 (see remarks) **

also 25 July 1955

Remarks:

* Records and data already forwarded to Washington

* Station ABLE not listed in field report } T-11422

* Station FLAG added in compilation office

** Three photo-hydro stations listed in field report but 10 are indicated on field inspection photographs.

M-2618-12(4)

SHORELINE MAPPING PROJECT PH-132 (Part A & B)

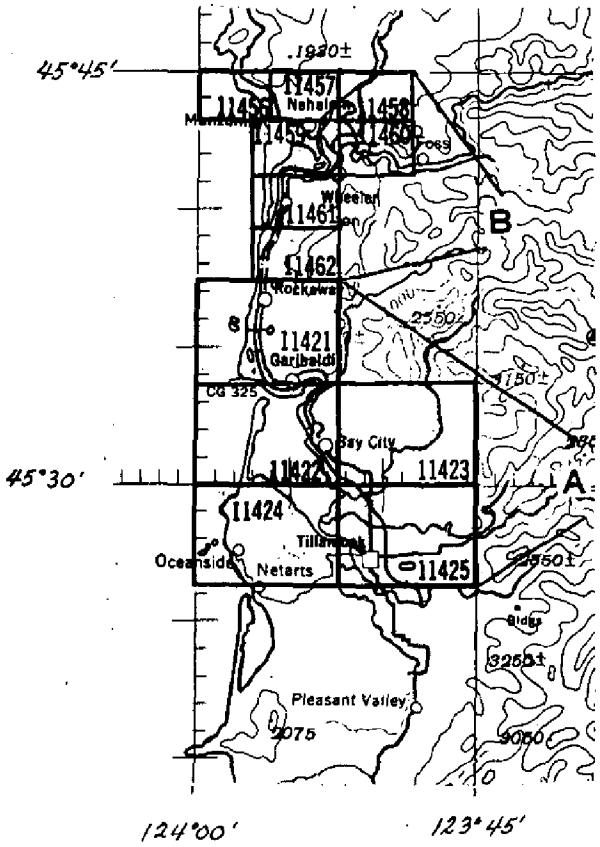
Tillamook Bay, Ore.

OFFICIAL MILEAGE FOR COST ACCOUNTS

	SHEET NO.	LIN. MI. SHORELINE	AREA SQ. MI.
PART A	11421	5	3
	11422	18	3
	11423	4	2
	11424	16	6
	11425	14	13
PART B	11456	3	1
	11457	2	2
	11458	5	3
	11459	11	4
	11460	2	2
	11461	6	2
	11462	3	1
	Totals	89	42

PART "A" COMPILATION SCALE 1:10,000

PART "B" COMPILATION SCALE 1:5,000



Summary to Accompany
Descriptive Report T-11421 thru T-11425

Map manuscripts T-11421 thru T-11425 form shoreline project Ph-132A which was compiled in the Portland Photogrammetric Office by graphic methods. The project was designed to supply a base for a new chart and to furnish shoreline and control for a new hydrographic survey.

Field inspection was made in 1954 by using photographs taken in 1946, 1952, 1953, and by planetable traverse of the drastically altered shoreline in the area of Tillamook breakthrough and also north of the bay entrance breakwater.

Twenty-three triangulation and seventeen topographic stations were established to supplement recovered formerly-established stations to ensure a good radial plot.

In July 1955 a party from the Portland Office made a re-survey of the shoreline at Tillamook breakthrough and selected twenty-seven additional photo-hydro stations.

A cloth-backed lithographic print of each map at manuscript scale and the combined descriptive report will be registered and permanently filed in the Bureau Archives.

FIELD INSPECTION REPORT

TILLAMOOK BAY, OREGON

PROJECT PH-132A

April - July 1954

2. Areal Field Inspection:

This report covers a coastal area entirely within Tillamook County and lies between latitudes 45° 26' 15" and 47° 37' 30" and longitude 123° 45' and the Pacific Ocean. In the approximate center of the area along the coast lies Tillamook Bay, an indentation in the coast about five miles wide and five miles deep. It is a relatively shallow bay. Large areas are bare at low water. The Tillamook and Wilson Rivers empty into this bay. The main channel from the entrance to the Tillamook River is marked by floating and fixed aids. The bay is bounded on the north and south by prominent wooded hills; on the east by low flat lands and on the west by a long sand spit or peninsula about four miles long, called Kincheloe Point, extending from Cape Meares northward to within a quarter mile of the north headland. This quarter mile gap protected on the north by a stone jetty is the natural entrance into the bay. Winter storms in recent years have broken-through a ½-mile gap near the south end of the spit making Kincheloe Point an island and isolating the former popular resort town of Bay Ocean which previously had direct road communication with the mainland.

subsequently closed by dike.

washed away 2.26 (1961)

U. S. Highway 101, known as the Coastal Highway along the Pacific coast, runs through the entire area of the project north and south. State Highway 6 penetrates the area from the east.

The principal industries of the area are dairying, lumbering, fishing and summer tourist trade. The flat area east of the bay is the dairy section. Tillamook Cheese, a fine cheddar well known in the Pacific Northwest, is manufactured only in Tillamook County and the largest and most modern factory in the county is in the project area just north of the town of Tillamook.

The town of Tillamook is in the south central part of the project. It is the county seat and the trading hub of the area. Other communities on the inner periphery of Tillamook Bay are Bay City and Garibaldi. The latter ranks second only to Tillamook in size and industry. The Tillamook Bay Coast Guard Station is here. There is a small boat basin and two moorages that rent skiffs and outboard motors for fishing. There is also a lumber company, a plywood company and three small canneries. Bay City has a small cannery and a wharf.

On the coast near the south-limits of the project are the popular resort areas of Oceanside and Netarts. On the Coastal Strip north of Tillamook Bay are Barview, Ocean Lake and Rockaway. These last three communities are made up mostly of summer cottages and cabins and are well inhabited during the summer months.

A line of the Southern Pacific Railway parallels U. S. Highway 101 throughout the length of the project.

There is a current topographic survey by the U. S. Geological Survey of the land area of this project. Three photographs (scale approximately 1:40,000) covering a strip from the vicinity of Tillamook to Cape Meares were obtained from the Geological Survey Field party and some additional field inspection was done on them and sectional ratio prints of Photo GS YX 7-49. They are numbered GS YX 7-49, GS YX 7-50 and GS YX 7-51. The date of photography was 8/10/53.

3. Horizontal Control:

a. The following additional marked triangulation stations were established, using the line BARVIEW 1926 - GREEN HILL 2 1908 as a take-off line: -

BOULDER POINT 3	IDALE
ENTRANCE	PITCHER POINT 2
FARLEY (USED)	SILICON
HOBSON (USED)	VANTAGE

It is believed that the accuracy of these stations is second order.

The following objects were located by theodolite cuts:

9 Bay City Cut Light
Corn (northeast corner of building)
12 Dick Point Light
13 Dry Stocking Bar Light
4. Garibaldi, Oceanside Lumber Company, Stack ldmk
7 Garibaldi Light
6 Garibaldi Light 13
5 Garibaldi, Oregon-Washington Plywood Company, Tank (Elev) ldmk
8 Hobsonville Light
11 Long Jetty Crossing Light
10 Middle Channel Dike Light
2 Tillamook Bay Entrance Range Front Light
3 Tillamook Bay Entrance Range Rear Light
1 Tillamook Coast Guard Lookout Tower ldmk

It is believed that the accuracy of the location of these objects is third order.

b. No datum adjustments were made by the field party.

c. Stations not established by the Coast and Geodetic Survey are as follows:

Station	Established by	Order of accuracy
BM A	U.S.E.D.	third
BM K-48	O.S.H.D.	third
BM No. D 223, 1937	O.S.H.D.	third
PATROL 1937	U.S.F.S.	third

T-11425

d. All stations required by the project instructions for control of compilation were recovered except Stations KEATON 1875 and MOUTH 1926, both in the same vicinity. Neither station was recovered after a thorough search. Station RIVER 1926 was recovered and identified to control the north end of the shoreline flight of photographs.

e. Coast and Geodetic Survey stations not searched for are MUD 1866, Pyramid Rock 1908, Double Rock, Eastern Peak 1875 and Double Headed Rock 1926. Station MUD was marked by a boulder in the mud in 1866 and recovery is hopeless. The other stations are offshore and inaccessible.

4. Vertical Control:

Not applicable.

5. Contours and drainage:

Not applicable.

6. Woodland cover:

Not applicable.

7. Shoreline and alongshore features:

a. The mean high water line has been indicated on the field photographs in the usual manner. There have been changes in shoreline since photography in the vicinity of Kincheloe Point on the west side of Tillamook Bay and from the stone jetty at the bay entrance northward. The mean high water line in these areas was located by stadia traverse directly on Photographs 42314, 42316, 42318 and 37055. The traverse was tied to identifiable points on the photographs at frequent intervals. In no instance was it extended more than three setups from an identifiable point without a tie.

Planetable re-survey at Tillamook Breakthrough, July 1955, by Portland Office party.

b. Any attempt by the photogrammetric field party to locate the low water line was considered impractical. This was left for the hydrographic party.

c. The character of the foreshore has been indicated on the photographs.

d. The only cliffs along the shoreline are in the vicinity of Cape Meares and Maxwell Point. An earth bluff extends for a short distance northward from Cape Meares. There is a prominent sand bluff on the west side of Kincheloe Point at Bay Ocean. A prominent bare earth bluff about 200 feet high is on the southwest face of Green Hill. 45°34', 123°56'.

7-11424

e. All shoreline structures have been indicated on the photographs.

f. There are three submarine cables in the project - one across the entrance to Miami Cove, one having its north end at the inshore end of the Coast Guard pier in Garibaldi and its south end west of Pitcher Point and one cable in the vicinity of the bridge over the Tillamook River. The shore ends of submarine cables have been indicated on the photographs.

g. There are no other shoreline structures worthy of note in the project area.

8. Offshore Features:

None of the offshore rocks in the Pacific Ocean were visited during field inspection because it was considered dangerous to take the small boat furnished the field party into the ocean. Heights of rocks in the vicinity of Maxwell Point and Cape Meares were determined by using the mil system in the binoculars. The height of Twin Rocks was determined by using the Beaman Arc on the alidade. Datum references for offshore features in Tillamook Bay have been made on the photographs. Numerous piling in the bay have been located by sextant fixes which are recorded on the face of field photograph numbers 17330, 37135, and 37136.

Because of the unreliable methods employed of obtaining rock elevations it is recommended that the elev. obtained by plane table and shown on chart (6112) be retained. 12 May 1961 [illegible]

9. Landmarks and Aids:

a. The following objects were selected for landmarks for nautical charts and located by triangulation:

N.B. All elevations in excess of ten (10) feet have been removed from the permanent file copy as well as from the corresponding negatives on file in Reproduction. 26 May 1960

Tillamook Coast Guard Lookout Tower, elevation 68 feet above mean high water

Garibaldi, Ocean side Lumber Company, Stack, elevation 229 feet above mean high water

Garibaldi, Oregon- Washington Plywood Company, Tank (Elev) elevation 138 feet above mean high water.

b. No objects were selected for interior landmarks.

c. There are no aeronautical aids within the project.

d. All fixed aids to navigation were located by triangulation methods. None ~~were~~ left to be located by the hydrographer.

e. The instructions for this project did not require that floating aids be located and none were.

10. Boundaries, Monuments and Lines:

Not applicable.

11. Other Control:

The project instructions for the spacing of topographic and photo-hydro stations have been complied with. Natural objects were used for all topographic stations within the project.

Station	Photo	Station	Photo
Able T 11 Y 22	42315		
Caba T-11Y24	37139	Howl T-11Y24	37129
Dove T-11Y24	42310	Jago T-11Y22	37129
Dree T-11Y24	42310	Knot T-11Y24	37136
Earl T-11Y22	42314	Lama T-11Y25	17329
Erne T-11Y24	37130	Mega T-11Y25	17329
Fume T-11Y24	42310	Peso T-11Y22	37135
Gore T-11Y24	42310	Pray T-11Y22	37136
Flag T-11Y22		Tout T-11Y23	17330

The following photo-hydro stations have been identified and described on the photographs:

Station	Photo
2401	37136
2402	17337
2201	37136

see also 49, Compilation Report

12. Other Interior Features:

Roads in the area were classified as DDL and DFL - double dashed line and double full line. Buildings to be mapped have been indicated by a red circle or in congested areas by a red dot on the building. Unless buildings have been indicated as class 2 they are class 1. Deletions have been made with green ink.

Bridge clearances have been indicated on the photographs. The bridge over the Tillamook River west of Tillamook is a swing bridge and is the only one in the area that opens. It may be opened on twelve hours notice by telephoning collect to R. M. Smith at Astoria, telephone 529 or Earl Roper at Tillamook, telephone 302R. The following clearance data was observed at this bridge:

Horizontal (feet)	Vertical (feet)	Time (PST)	Date
69	20.5	1300	4 May 1954

The only overhead cable crossing in the area has been indicated on Photograph 17337 and the clearance determined by plane-table shown on the back of the photograph.

There are no airports in the area and only one small unpaved landing strip which is not used commercially. It is indicated on Photograph 17327.

13. Geographic Names: Noted by 854 L.H.

No systematic geographic names investigation was required by the project instructions and none was made. No new names which should go on Chart 6112 were found. The name Idaville near Kilchis Point should be deleted. There was once a settlement here but it has been abandoned and the buildings destroyed for many years. Also Hobsonville is extinct but it is still sometimes used as a place name.

Name moved on Quad

14. Special Reports:

The only special report accompanying the data for this project is:

COAST PILOT REPORT, TILLAMOOK BAY, OREGON

Project Ph-132A, dated 12 August 1954.

Respectfully submitted:

Charles H. Bishop

Charles H. Bishop
Carto. Survey Aid

Approved and forwarded:

Fred Natella

Fred Natella
Comdr., USC&G Survey
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

Project Ph-132A

Map Manuscripts T-11421 thru T-11425

21. Area Covered:

This photogrammetric plot covers an area in Tillamook County, Oregon along the shoreline of the Pacific Ocean from Netarts to Lake Lytle. Also included is all of Tillamook Bay and the towns of Garibaldi, Bay City and Tillamook. It comprises map manuscripts T-11421 thru T-11425.

22. Method:

A polyconic projection (scale 1:10,000) ruled on a sheet of .075 inch vinylite, on which was imposed the Oregon State Grid, North Zone in 5000 ft. intervals, was furnished for the area of each of the five map manuscripts.

The horizontal control stations were plotted on these projections and the five projections were then joined together by matching along their respective neat lines and fastened with cellulose tape.

The photography consisted of three sets of nine lens photographs taken in 1946, 1952 and 1953 respectively.

The 1953 photography covered only the Pacific Ocean shoreline and was made principally to show the severe changes which had taken place in shoreline features between Pitcher Point and Barview. They were taken at about M.H.W.

The 1952 photography covered the Pacific Ocean Shoreline and the lower Tillamook Bay area. They were taken at about M.L.L.W. Cloud formations obscured much of the detail on several of these photographs. Along the Pacific Ocean shoreline it was difficult to find images, common to both the 1952 and 1953 photography, that could be used as pass points.

The 1946 photography covered all of Tillamook Bay and was taken at about one-half tide. They were used principally for mapping the upper part of Tillamook Bay and the town of Tillamook.

Three single lens photographs, scale 1:40,000 taken in 1953 by U.S.G.S. were available to supplement the 1946 nine lens photography in the vicinity of Tillamook and for reference as to changes in planimetry which had occured since that time.

It is believed that much time would have been saved in the field and office if the entire project had been photographed in 1953 enstead of just the few photographs made along the coast.

The transfer of any photograph center, horizontal control station or passpoint from one photograph to another was made by use of the prismatic stereoscope.

Templets were drawn on sheets of .005 inch clear acetate and corrections were made for transforming and paper distortion errors by using respectively, Master Templets Nos. 11664, 36269, and 40261 for the 1946, 1952 and 1953 photography.

The templets were oriented to the horizontal control directly on the five joined map manuscripts and fastened with masking tape. After all templets were satisfactorily oriented the entire plot was turned face down and the location of the pass points and photograph centers were pricked and inked with red plastic ink circles on the reverse side of the map manuscripts. The plot was then turned face up and disassembled. As a check each templet was oriented separately to assure that all radials passed through the manuscript location.

The results of this radial plot will furnish the accuracy required for shoreline map manuscripts.

23. Adequacy of Control:

The identification of horizontal control stations was satisfactory and an adequate number were furnished to control the photographs used in the radial plot.

BAY CITY SCHOOLHOUSE FLAGPOLE, 1926 and 1934 was identified as having been rebuilt in the same location and it could not be held to the geographic position furnished on Page 610 Accession No. of Computation G-633. The radial plot locates the identified flagpole about 594 meters southeast of the published position.

The scaled location is as follows:

Latitude 45° 31' 274.2m (1578.2m)
Longitude 123° 52' 415.0m (887.3m)

This station was again visited and a new recovery note has been submitted giving the correct data. Form 524 is submitted for the flagpole at the scaled location given above. Flag, 1954. T 11422

24. Supplemental Data:

None.

25. Photography:

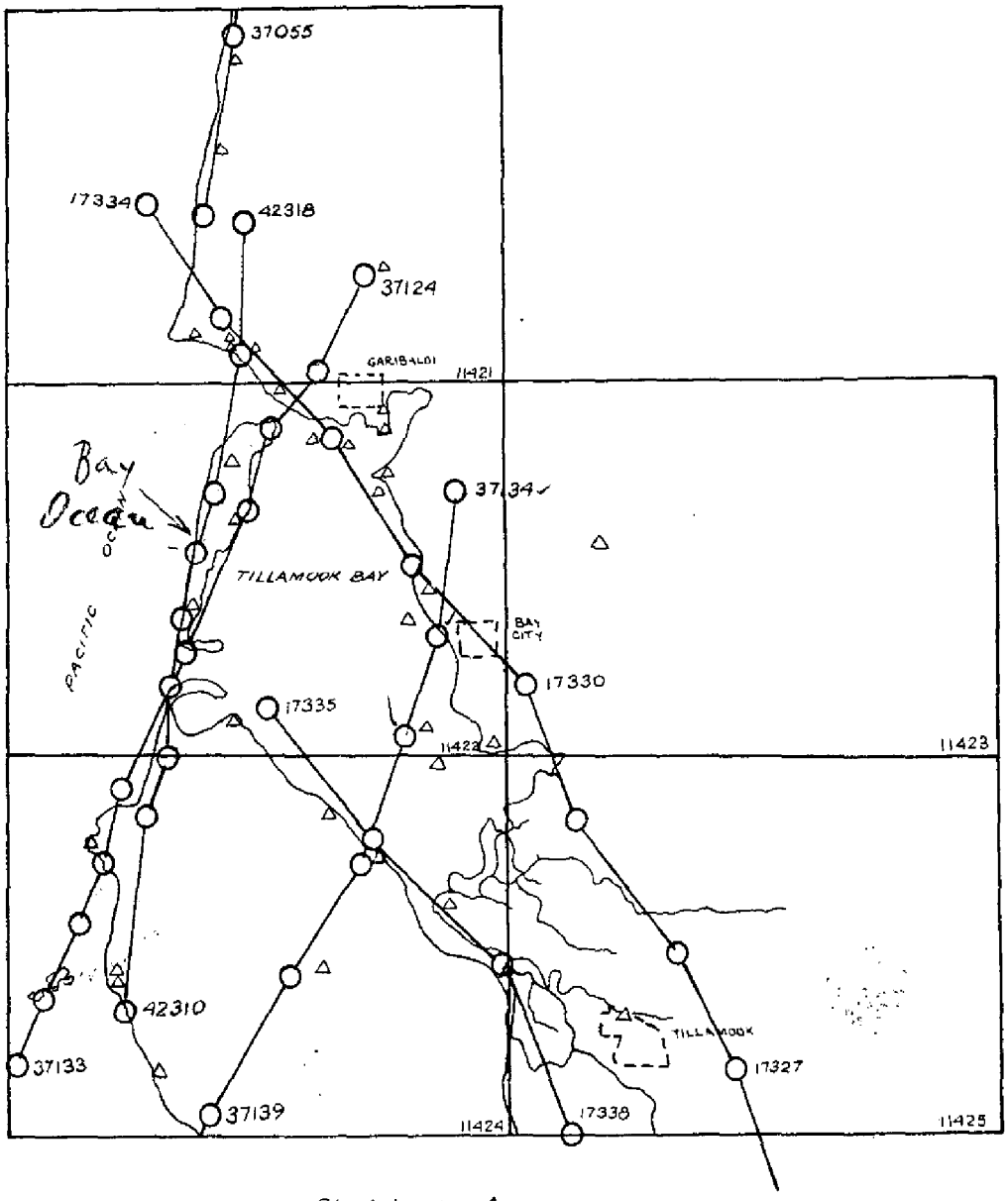
The photography was adequate as to coverage. Definition was poor in places especially north of the Tillamook Bay entrance. The photography covering the upper portion of Tillamook Bay and the vicinity of Tillamook is nine years old and doubtless since that time many changes have taken place that were not discovered during field inspection. Refer to Item 22 "Method" for additional remarks on the photography for this project.

Approved:

Fred Natella
Comdr., USC&G Survey
Officer-in-Charge

Respectfully submitted:

J. Edward Deal, Jr.
Cartographer
USC&GS



Sketch to Accompany
Photogrammetric Plot Report
Project Ph-132-A
Scale: 1/140,000 (Approximate)

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-11421 PROJECT NO. Ph-132A SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Lake Lytle Hotel,	G-633	N.A.	45 37 22.46			693.4 (1159.0)	
North Chimney, 1926	P-609	1927	123 56 31.78			688.5 (611.4)	
ROCKAWAY, 1926	G-633	"	45 36 09.791			302.3 (1550.1)	
	P-608		123 56 46.737			1012.9 (287.4)	
DOUBLE HEADED ROCK (Highest and East) 1926	G-633	"	45 35 49.339			1523.3 (329.1)	
	P-610		123 57 29.188			632.6 (667.8)	
MIAMI, 1875	G-586	"	45 34 58.766			1814.3 (38.1)	
	P-590		123 54 21.060			456.6 (844.1)	
BARVIEW, 1926	G-633	"	45 34 15.166			468.2 (1384.2)	
	P-608		123 57 06.365		Adj. Pos. G-10769 pp 1160-63	138.0 (1163.0)	
Tillamook, Coast Guard Lookout Tower, 1954 3rd	Field	G721 " G-10669	45 34 07.258	0.7 0.257		224.1 (1628.3)	
	Comp.		123 56 35.412	35.413		767.9 (533.2)	
Tillamook Bay Entrance Range Front Light, 1954 3rd	"	"	45 34 06.910	06.910	"	213.3 (1639.1)	
			123 56 35.372	35.373		767.0 (534.1)	
Tillamook Bay Entrance Range Rear Light, 1954 3rd	"	"	45 34 06.196	06.195	"	191.3 (1661.1)	
			123 56 23.658	23.659		513.0 (788.1)	
STUMP, 1954 3rd	"	"	45 38 22.254	22.256	G-10860 p. 1176	687.1 (1165.3)	
			123 56 05.168	05.166		111.9 (1187.5)	
NEDONNA, 1954	"	"	45 38 35.534	35.535	"	1097.0 (755.4)	
			123 56 22.834	22.831		494.5 (804.9)	

1 FT. = .3048006 METER

COMPUTED BY: J.E.D. DATE 11/10/54 CHECKED BY: D.N.W. DATE 11/16/54

COMM-DC-57843

FORM 164
(4-23-54)

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

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 11422 PROJECT NO. Ph-132A SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
GREEN HILL 2, 1908	G-586	N.A.	45 33 43.693			1348.9 (503.5)	
	P-592	1927	123 55 51.935			1126.3 (174.9)	
2nd FARLEY (USED) 1954	Field	"	45 33 01.985	01.984	G-10769 pp-1160-63	61.3 (1791.1)	
	Comp.		123 56 34.061	34.062		738.8 (562.7)	
SILICON, 1954 2nd	"	"	45 32 26.522	26.520	"	818.8 (1033.6)	
			123 56 21.335	21.336		462.9 (838.8)	
VANTAGE, 1954 2nd	"	"	45 31 39.247	39.242	"	1211.7 (640.7)	
			123 53 41.207	41.203		894.2 (407.8)	
PITCHER PT.2, 1954 2nd	"	"	45 30 24.058	24.051	"	742.7 (1109.6)	
			123 56 29.779	29.783		646.5 (656.0)	
IDALE, 1954 2nd	"	"	45 30 07.676	07.667	"	237.0 (1615.3)	
			123 52 51.871	51.866		1126.1 (176.5)	
HOBSON 2(USED)1954 2nd	"	"	45 32 51.248	51.245	"	1582.2 (270.2)	
			123 54 19.626	19.622		425.8 (875.8)	
Garibaldi, Oceanside Lumber Co. Stack, 1954	3rd "	"	45 33 37.187	37.189	"	1148.1 (704.3)	
			123 54 17.348	17.335		376.2 (925.1)	
Garibaldi, Oreg-Wash Plywood Co. Tank 1954	3rd "	"	45 33 25.035	25.034	"	772.9 (1079.5)	
			123 54 16.281	16.274		353.1 (948.2)	
Garibaldi Light 13 1954	3rd "	"	45 33 16.262	16.259	"	502.1 (1350.3)	
			123 55 07.784	07.785		168.8 (1132.6)	
Garibaldi Light 1954	3rd "	"	45 33 13.751	13.749	"	424.5 (1427.9)	
			123 54 48.112	48.109		1043.5 (257.9)	
Hobsonville Light 1954	3rd "	"	45 32 46.907	46.904	"	1448.2 (404.2)	
			123 54 18.128	18.125		393.3 (908.3)	

19.67

1 FT. = .3048006 METER

COMPUTED BY: J.E.D. DATE 11/10/54 CHECKED BY: D.N.W. DATE 11/17/54

COMM-DC-57843

FORM 164
(4-23-54)

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

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 11422 PROJECT NO. Ph-132A SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
Bay City Cut Light	Field	N.A.	45 31 17.728	17.723		G-10769	547.3	(1305.1)		
8 1954 3rd	Comp.	1927	123 53 56.681	56.672			1230.2	(72.0)		
Middle Channel	"	"	45 30 30.897	30.889		"	953.8	(898.5)		
Dike Light, 1954 3rd			123 54 13.743	13.741			2981.3	(1004.2)		
CORN, 1954 3rd	"	"	45 31 37.249	37.245		"	1150.0	(702.4)		
			123 57 00.773	00.778			16.8	(1285.3)		

1 FT. = .3048006 METER

COMPUTED BY: J.E.D. DATE 11/10/54 CHECKED BY: D.N.W. DATE 11/17/54

COMM-DC-57843

20.

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-11423 PROJECT NO. Ph-132A SCALE OF MAP 1:10,000 SCALE FACTOR Norje

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
DOTY, 1908	Comp.	N.A.	45 32 12.610			389.3 (1463.1)	
R.M.		1927	123 51 06.291			136.5 (1165.3)	

1 FT. = .3048006 METER

COMPUTED BY: J.E.D. DATE 11/15/54 CHECKED BY: D.N.W. DATE 11/17/54

COMM-DC-5784

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-11424 PROJECT NO. Ph-132A SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
PYRAMID ROCK, 1908	G-586	N.A.	45 29 45.408			1401.8 (450.5)	
	P-592	1927	123 59 00.155			3.4 (1299.4)	
CAPE MEARS LIGHTHOUSE, 1908	"	"	45 29 11.935			368.5 (1483.8)	
			123 58 37.406			812.3 (490.7)	
JOE, 1926	G-642	"	45 27 55.867			1724.7 (127.6)	
	P-612		123 58 11.285			245.2 (1058.2)	
JACK, 1926	"	"	45 27 45.107			1392.5 (459.8)	
			123 58 18.647			405.1 (898.4)	
RIDGE, 1926	"	"	45 26 54.250			1674.8 (177.5)	
			123 57 32.964			716.3 (587.5)	
MEARES, 1941	G-4952	"	45 27 58.011			1790.9 (61.4)	
	P-578		123 55 09.576			208.0 (1095.4)	
BOULDER POINT 2nd 3,1954	Field Comp.	"	45 29 32.039	32.029	6.10769 pp1160-63	989.1 (863.2)	
			123 55 01.131	01.132		24.6 (1278.3)	
ENTRANCE, 1954 2nd	"	"	45 28 40.466	40.453		1249.3 (603.0)	
			123 53 24.532	24.529		532.8 (770.4)	
LONG JETTY 3rd CROSSING LIGHT, 1954	"	"	45 29 56.120	56.110		1732.5 (119.8)	
			123 53 59.585	59.581		1293.7 (9.0)	
DICK POINT LIGHT 1954 3rd	"	"	45 28 52.940	52.928		1634.4 (218.0)	
			123 54 07.463	07.462		162.1 (1141.0)	
DRY STOCKING BAR LIGHT, 1954 3rd	"	"	45 28 03.362	03.345		103.8 (1748.5)	22.
			123 52 40.106	40.102		871.3 (432.1)	

1 FT. = .3048006 METER

COMPUTED BY: DATE: CHECKED BY: D.N.W. DATE: 11/17/54

COMM-DC-57843

FORM 164
(4-23-54)

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

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-11425 PROJECT NO. Ph-132A SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
RIVER, 1941	G-4952	N.A.	45 28 33.939			1047.8 (804.5)	
	P-582	1927	123 50 34.350			746.1 (557.1)	
WILSON, 1941	"	"	45 29 35.435			1093.9 (758.4)	
			123 46 36.051			782.8 (520.1)	
Tillamook, Concrete Stack, Mountain States Power Co.1941	"	"	45 27 32.074			990.2 (862.1)	
	P-587		123 50 45.958			998.5 (305.1)	
PATROL(USFS), 1937	G-5067	"	45 27 27.244			841.1 (1011.2)	
	P-603		123 48 11.586			251.7 (1051.9)	
B.M. No. D-223	019603 Recovery	"	45 27 28.394			876.6 (975.7)	
(O.S.H.B.) 1937	Note		123 47 28.869			627.2 (676.4)	
B.M. "A" (C.of E.)	019609 Recovery	"	45 27 23.289			719.0 (1133.3)	
1939	Note		123 51 13.290			288.8 (1014.9)	
B.M. "K48" (O.S.H.D.	019583 Recovery	"	45 25 50.250			1551.3 (301.0)	
1930	Note		123 49 40.912			889.4 (414.9)	

23.

1 FT. = .3048006 METER

COMM-DC-57843

COMPUTED BY: J.E.D. DATE 11/16/54 CHECKED BY: D.N.W. DATE 11/18/54

COMPILATION REPORT

Map Manuscripts T-11421 thru T-11425

Project Ph-132A

31. Delineation:

Graphic methods were used to compile the planimetry shown on these map manuscripts. The compilation work was done on the original map manuscripts on vinylite and the planimetry was drawn with crayon pencils in various colors to illustrate the several types of features. This compilation was office reviewed and the detailed planimetry was then scribed in the negative on sheets of white coated Mylar material on each of which a polyconic projection had been previously scribed. Stick-up symbols and lettering were then applied to the positive face (glossy side) of the scribed manuscript.

The field inspection of shoreline details was satisfactory and there is no area considered to be incomplete.

Low-water lines and changes in planimetry since 1946 could have been more accurately determined if the entire area had been photographed at low water in 1953 when the one flight strip was made along the Pacific Ocean shoreline.

32. Control:

Refer to Item 23 of this descriptive report.

33. Supplemental data:

There was no supplemental data.

34. Contours and Drainage:

Contours were not applicable.

Drainage was determined from field inspection and by stereoscopic examination of photographs.

35. Shoreline and Alongshore Details:

The field inspection of the mean highwater line and shoreline features was adequate. At the break-through south of Tillamook Bay Entrance and along the shoreline of Kincheloe Point the mean high-water line was located in the field by stadia traverse. (Refer to Item 7 of the Field Inspection Report).

The approximate low-water lines and channel lines shown on the manuscripts were delineated from the 1952 photography which was taken at about M.L.L.W. There probably has been considerable change in these features since the time of photography.

36. Offshore Details:

The mean high-water lines of the large rocks offshore along the Pacific Ocean shoreline were delineated from office inspection of the photographs.

37. Landmarks and Aids:

Forms 567 have been submitted for these features. Copies are included with this descriptive report.

38. Control for Future Survey:

Seventeen Forms 524 are being submitted for recoverable topographic stations located within the area of these five manuscripts. They are listed for each manuscript under Item 49 "Notes to the Hydrographer".

Ten photo-hydro stations were located and these have also been listed for each manuscript under Item 49, "Notes to the Hydrographer".

Additional photo-hydro signals have been located for a special hydrographic survey to be made by the U. S. Army Engineers, Portland District Office. This work was done after the scribed manuscripts were forwarded to the Washington Office and is shown on a boat sheet which has been furnished the U. S. Engineers for use in this hydrographic survey. The present mean high-water line at the break-through has also been located and is shown on this boat sheet. July, 1955

39. Junctions:

Complete and satisfactory junctions have been made between all map manuscripts in this project and also with T-11462 Scale 1:5000 in Project Ph-132B.

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 Army Map Service 15 min. quadrangles V792, Sheet 1275 III, Nehalem, Oregon and V792, Sheet 1274 IV, Tillamook, Oregon, Both Scale 1:50,000, 2nd edition published 1947.

Comaprison was made with Nautical Chart No. 6112 "Tillamook Bay" Scale 1:20,000, published November 1943 (25th edition) last corrected 8/17/53.

"Items to be Applied to Nautical Charts Immediately"

None.

"Items to be Carried Forward"

None.

Approved:

Fred Natella
Comdr., USC&G Survey
Officer-in-Charge

Respectfully submitted:

J. Edward Deal Jr.
Cartographer
USC&GS

48. Geographic Names:

There was no inspection of geographic names required for the project.

All names shown on the map manuscripts were obtained from the Army Map Service quadrangles of the area and from Nautical Charts 6112 and 5902.

49. Notes to the Hydrographer:

There is no other pertinent information other than that shown on the map manuscript or discussed in the body of the descriptive report.

Recoverable topographic stations located are:

T-11421: None
T-11422: FLAG, PESO, PRAY, EARL*, JAGO, ABLE
T-11423: TOUT
T-11424: CABA, DREE, ERNE, DOVE, KNOT, GORE, HOWL, FUME
T-11425: LAMA, MEGA

Photo-hydro Stations located are:

No.	Photo.	Description
T-11421		
2101	42316	Top of pinnacle rock
2102	42318	Chimney in center of hip-roofed house
2103	42318	Belfry on church
T-11422		
2201	17332	Center of trestle
2202	37135	West gable of low unpainted barn
2203	37135	West gable of long building with shingle roof. Higher and southerly of two west gables
2204	37135	Southwest gable of galvanized building
2205	37134	Northwest gable 2 story white house with red roof. Two small windows and short triangular roof just under gable, which is highest in group of dwellings.
T-11423	None	
T-11424		
2401	37136	North side of bridge
2402	17337	North gable, long, one story shingle building
T-11425	None	

During the period July 18 to 22, 1955 inclusive a field party of the Portland Photogrammetric Office located additional photo-hydro signals for use in a survey by U. S. Engineers and also located the existing mean high-water line of that date at the break-through south of Tillamook Bay Entrance. The pages following list these additional hydro signals and their descriptions.

"Delete Earl, 1954. House has been destroyed" CHB 7/11/56, photo 42314.

Additional signals located in July 1955

T-11421

Hydro No.	Photo No.	Description
2104	42317	U.S. Engineer Target "SEA"
2105	42317	South gable most southerly building in Camp Magruder Brown with two large windows on west side ABOVE
J 2106 J	42317	East end of 4 ft. dia. log marked by 10 ft. pole and small flutter banner
2107	42317	U.S. Engineer Target "BEATTY"
H 2108 H	42317	West end of long log marked by stake and flutter banner

Additional signals located in July 1955

T-11422

	Hydro No.	Photo No.	Description
	2206	42317	Post on sand dune
Q	2207	42317	Highest point of dune, stake and flutter banner
P	2208	42317	West corner patch grass 2 x 2 stake and flutter banner
O	2209	42317	Center of grass patch, stake and flutter banner
A	2210	Traverse	Stake wrapped with signal cloth
B	2211	"	" " " " "
C	2212	"	" " " " "
D	2213	"	" " " " "
	2214	42316	S.W. gable of house on edge of bluff (GABLE)
	2215	42316	Chimney on ridge of roof, white house, red roof (CHIMNEY)
	2216	Traverse	Tree
E	2217	"	Stake wrapped with signal cloth
F	2218	"	" " " " "
	2219	42316	30 ft. lone spruce tree (SPRUCE)
G	2220	Traverse	Stake wrapped with signal cloth
M	2221	"	" " " " "
L	2222	"	" " " " "
K	2223	"	" " " " "
	2224	42316	Center of fill at west end tide gate (GATE)
	2225	42316	25 ft. pole in line with ~~center~~ edge of road (POLE) and 380' west of E entrance to the road

Additional signals located in July 1955

T-11424

Hydro No.	Photo No.	Description
2403	42314	Center of 2 dead bushes about 8 ft. high
2404	42312	Top of pinnacle on S.W. end of rock

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

FILE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED
STRIKE OUT ONE

Portland, Oregon, 19 54

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 Paul Intelli

Paul Intelli
Chief of Party.

STATE: OREGON

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
LOOKOUT TOWER	White house on white skeleton tower (Tillamook County Court Lookout Tower) (68 feet)	T-11421	45 34	224.1 1628.3	123 56	287.9 533.2	NA 1927	triangulation	1954	X			6112
STACK	Black rectangular stack at Trahern mill (Garibaldi, Consolidated Lumber Company, Stack) (220 feet)	T-11422	45 33	1118.3 774.3	123 54	326.2 928.0	NA 1927	triangulation	1954	X			6112
TANK (ELEVATED)	Silver colored steel tank on skeleton framework (Garibaldi, Oregon-Washington Plywood Company, Tank (Elev) (133 feet)	T-11422	45 33	772.9 722.9 1579.5	123 54	353.1 948.2	NA 1927	triangulation	1954	X			6112
	Same as L-855(54) Helmer												

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.

M-2836-3

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

FILE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED } STRIKE OUT ONE

Portland, Oregon 30 July, 1954

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 Fred Detelin

Fred Detelin
Chief of Party.

STATE			POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE*		LONGITUDE*		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS							
CBX	[This probably is Station Carlmalt, Cascade Lumber Company, Stack located by triangulation in 1954. See Form 567, Landmarks for Charts To Be Charted]		45 33.6		123 54.3					X			6112

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.

M-2836-3

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

FILE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Portland, Oregon 30 July, 1954

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 Fred Entalin

Fred Entalin
Chief of Party.

STATE: Oregon

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
	Light on white platform on dolphin (Bay City Cut Light)		45 31	547.3 1305.1	123 53	1230.0 72.0	NA 1927	triangulation	1954	X			6112
	Light on white platform on dolphin (Middle Channel Bike Light)		45 30	953.8 898.5	123 54	298.3 1004.1	NA 1927	triangulation	1954	X			6112
	Light on white platform on dolphin (Long Jetty Crossing Light)		45 29	1732.5 119.8	123 53	1229.6 9.3	NA 1927	triang-	1954	X			6112
	Light on white platform on dolphin (Dike Point Light)		45 28	1634.4 218.0	123 54	152.1 1141.1	NA 1927	triang-	1954	X			6112
	Light on white platform on dolphin (Cry Stocking Bar Light)		45 28	103.8 1748.5	123 52	574.3 432.4	NA 1927	triangulation	1954	X			6112
	Same as L-855(54) Helmer												

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

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

FILE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / TO BE DELETED — STRIKE OUT ONE

Portland, Oregon 30 July, 1956

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 Fred Sutelle

Fred Sutelle
Chief of Party.

STATE: OREGON

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
	White square daybeacon with red vertical stripe on skeleton tower (Tillamook Bay Entrance Range Front Light)	T-1142	45 34	213.3 1659.0	123 56	787.0 534.1	NA 1927	Triangulation	1954	X		X	5902 6112
	White diamond daymark with red vertical stripe on skeleton tower (Tillamook Bay Entrance Range Rear Light)	T-1142	45 34	191.3 1661.1	123 56	513.0 788.1	NA 1927	Triangulation	1954	X		X	5902 6112
	Green clearance light on short shelf on south end of Coast Guard pier (Garibaldi Light 19)		45 33	[illegible] [illegible]	123 55	168.8 1132.6	NA 1927	Triangulation	1954	X			6112
	Light on white pinnacle on dolphin (Garibaldi Light)		45 33	626.5 1427.6	123 54	1043.5 257.9	NA 1927	Triangulation	1954	X			6112
	Light on white pinnacle on dolphin (Tobeaville Light)		45 32	1460.2 [illegible]	123 54	993.5 [illegible]	NA 1927	Triangulation	1954	X			6112
	Same as L-855(54) Helmer												

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

T-11421 to 11425 inclusive, Geographic Names:

For all sheets:

Pacific Ocean
Oregon Coast Highway U.S. 101
Southern Pacific
Tillamook County

T-11421:

Garibaldi
Green Hill
Barview (B.G.N. decision for one word in 1940)
Tillamook Bay Entrance
Smith Lake
Watseco
Watseco Creek
Ocean Lake Change to Spring Lake in 1960 J.P.W. 6/15/62
Ocean Lake Creek
Ocean Lake Park (village)
Twin Rocks (rocks)
Twin Rocks (village)
Clear Lake
Rockaway
St. Marys by the Sea
Lake Lytle

T-11422:
Tillamook Bay
Pitcher Point
South Channel
Seal Channel
Bayocean (B.G.N. decision for one word in 1940) Reported gone 1960 JMa
Kincheloe Point
Sow and Pigs
Garibaldi
Garibaldi Turning Basin
Green Hill
Miami Cove
Miami River
Hobsonville
Sandstone Point
Bay City Channel
Main Channel
Bay City
Sibley Sands
Shell Point
Kilchis Point
Kilchis River Jetty
Middle Channel Dike

T-11423:

Tillamook Bay
Idaville (descriptive report states it no longer exists: 1955 lists and maps with pop. of 100; also carried in the latest Railway Guide as a station for freight only. Perhaps best to leave the name on charts and on this map, if only as a locality name). Moved to position on Quad, ama 1961
Kilchis River

T-11424:

Tillamook Bay
Tillamook River
Esther Creek
Trask River
Sand Island
Dry Stocking Island
Snag Island
Memaloose Point
Wilson River
Dick Point Dike
Delta Island
Dick Point
Rock Point
Boulder Point
Cape Meares
Pyramid Rock
Pillar Rock
Short Creek
Oceanside
Three Arch Rocks
Seal Rock
Maxwell Point
Netarts

T-11425:

Tillamook
Tillamook High School
Tillamook County General Hospital
Tillamook County Fair Grounds
Liberty School
Wilson School
Wilson River Highway Oregon No. 6
Sacred Heart Church and School
South Fork Trask River
KTIL Radio Station
Tillamook River
Trask River
Hoquarten Slough
Stillwell Ditch (while representation here differs from chart 6112, which for this area is based on very old sources, the feature is probably the same)

Ox Bow Bend
Nolan Slough
Dougherty Slough
Maidens Creek
Nigers Creek
Snag Island
Dry Stocking Island
Wilson River
Hall Slough
Mapleleaf School
Kilchis River
Tillamook Bay

Names for these five sheets approved 9-27-55.

L. Heck
L. H.

Review Report, T-11421 - T-11425
Shoreline Maps
27 September, 1955

62. Comparison with Registered Surveys:

T-4229 1:20,000 1926 Pacific Shoreline from Cape Meares to Manhattan Beach
T-4336 1:20,000 1927 Pacific Shoreline from Netarts to Cape Meares

The present surveys supersede the older surveys for charting shoreline and culture. Inspection of the foreshore rocks was not extensive and can be considered only a supplement to those on the older surveys.

63. Comparison with Maps of Other Agencies:

USE Tillamook, Oregon 1:50,000 1941, rev. 1947
USE Nehalem, Oregon 1:50,000 1942, rev. 1947

Except for the breakthrough to Tillamook Bay south of Bayocean and cultural changes, there is general agreement between the quadrangle and the present surveys.

64. Comparison with Contemporary Hydrographic Surveys:

None of the 1955 hydrographic work is available for comparison.

65. Comparison with Nautical Charts:

6112 1:20,000 Nov. 1943, corr. Aug. 1953

The surveys T-11421 thru T-11425 provide a base for a new chart, because of the numerous natural and cultural changes within the area.

66. Accuracy:

These maps conform to project instructions and meet the National Standard of Accuracy.

Reviewed by:

K. N. Mahi for
Lena T. Stevens

APPROVED:

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