9550 9551 ORIGINAL
9552 9553
9554

Diag. Cht. No. 8502-3.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey ~~Shoreline~~ Planimetric (Photogrammetric)

Field No. 6040 Office No. T-9550 thru T-9554

LOCALITY

Territory / State Alaska

General locality Bristol Bay, North Shore
Alaska Peninsula

Locality Port Heiden to Reindeer Creek

19 49

CHIEF OF PARTY

A.N. Stewart, Chief of Party
Fred Natella, Portland Photogrammetric Office

LIBRARY & ARCHIVES

DATE MAY 15 1958

COMM-DC 61300

9550 9551 9552 9553 9554

DATA RECORD

T-9550 thru T-9554

Project No. (II): 6040 Quadrangle Name (IV):

Field Office (II): Meshik, Alaska Chief of Party: A. Newton Stewart

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge: Fred Natella

Instructions dated (II) (III): Nov. 29, 1954) Office
Sept. 14, 1955)

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): JUL 11 1956 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 21 Oct 1957

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): See reverse side

Lat.: Long.: Adjusted
Unadjusted

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.

T-9550 QUIRT, 1949

Lat.	57°	09'	38.849"	(1201.8m)
Long.	158°	29'	33.605"	(564.9m)

T-9551 ALFRED, 1949

Lat.	57°	10'	11.259"	(348.3m)
Long.	158°	04'	09.174"	(154.2m)

T-9552 ULTRA, 1949

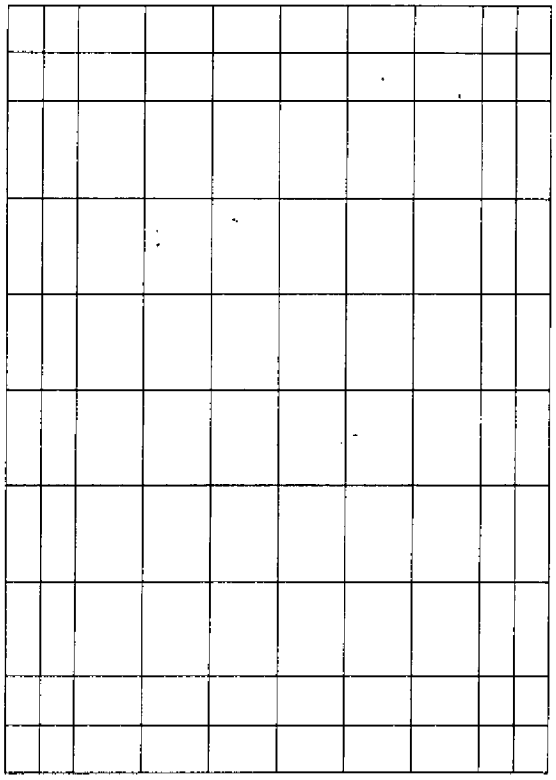
Lat.	57°	03'	07.464"	(230.9m)
Long.	158°	37'	19.087"	(321.8m)

T-9553 MESHIK, 1949

Lat.	56°	54'	59.688"	(1846.3m)
Long.	158°	40'	47.814"	(809.0m)

T-9554 HEIDEN S.E. BASE, 1949

Lat.	56°	57'	52.906"	(1636.6m)
Long.	158°	36'	36.014"	(608.6m)



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

DATA RECORD

Field Inspection by (II): I. Zirple, R.B. Melby, B. Kurs Date: Season 1949

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): In stable areas from field locations in 1949 and shown on 1943 nine lens photographs. In unstable areas from office interpretation from 1955 nine lens photographs.

Projection and Grids ruled by (IV): Date:

Projection and Grids checked by (IV): Date:

Control plotted by (III): L. F. Van Scoy Date: 1-10-56

Control checked by (III): J. L. Harris Date: 1-11-56

Radial Plot or Stereoscopic Control extension by (III): J. L. Harris & J. E. Deal Date: 2-1-56

Stereoscopic Instrument compilation (III):
Planimetry Date:
Contours Date:

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

Photogrammetric Office Review by (III): J. E. Deal (all sheets) Date: 4-3 thru 7-3-56

Elevations on Manuscript checked by (II) (III): C. C. Harris (all sheets) Date: 6-19 thru 7-3-56

	Pencil Compilation	Date	Scribed	Date	Stick-up	Date
T-9550	D.N. Williams	4/9/56	D.N. Williams	4/12/56	C.C. Harris	6/30/56
T-9551	L.L. Graves	4/20/56	L.L. Graves	4/26/56	C.C. Harris	7/3/56
T-9552	L.L. Graves	4/4/56	L.L. Graves	4/9/56	C.C. Harris	6/22/56
T-9553	J.C. Lajoye	2/8/56	D.N. Williams	3/12/56	D.N. Williams	3/29/56
T-9554	C.C. Harris	4/13/56	C.C. Harris	4/24/56	C.C. Harris	6/19/56

Camera (kind or source) (III): U.S.C.& G.S. 9 lens - focal length 8.25 inches

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
38802 and 38805	8/14/52	12:58	1:20,000	0.8 ft. above M.L.L.W.
51055 thru 51060	6/18/55	16:04	1:20,000	-2.8 ft. below M.L.L.W.
51121 thru 51124	6/18/55	17:21	1:20,000	-2.0 ft. below M.L.L.W.
51126 thru 51138	6/18/55	17:44	1:20,000	-1.2 ft. below M.L.L.W.

Note: The stages of tide are computed for Lat. 57° 04' by proportioning the height and time differences between Pt. Moller and Egegik River Ent.

Tide (III)

			Ratio of Ranges	Mean Range	Diurnal ~~Spring~~ Range
Reference Station:	Nushagak Bay	)		15.3	19.5
Subordinate Station:	Port Moller	) Proportioned	0.92	13.8	18.2
Subordinate Station:	Egegik River Ent.	)	0.55h 0.85L	7.5	10.6

Washington Office Review by (IV): Date:

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 370

Shoreline (More than 200 meters to opposite shore) (III): 47.2 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 25.2 " "

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 34 Recovered: 34 Identified: 33

Number of BMs searched for (II): none Recovered: Identified:

Number of Recoverable Photo Stations established (III): 10*

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

Remarks:

* 6 Forms 524 were submitted by field party. 4 of these are described and positions are published in triangulation data of the area and they have been disregarded as recoverable topo. stations. 10 additional Forms 524 were executed at the photogrammetric office for azimuth marks and marked stations of other government agencies.

FIELD INSPECTION REPORT

Map Manuscripts T-9550 thru T-9554

Project 6040

Refer to Project Report, Aerial Photograph Control and Inspection, Alaska Peninsula, Alaska, Project Ph-40(49) July - Sept. 1949, A. Newton Stewart, Chief of Party.

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscripts T-9550 thru T-9554

Radial Plot "C"

Project 6040

21. Area Covered:

This radial plot covers the north and east shorelines of Port Heiden and an area approximately seven miles in width along the north shore of the Alaska Peninsula, or otherwise the southeast shore of Bristol Bay from Port Heiden to Reindeer Creek. It comprises map manuscripts No'd. T-9550 thru T-9554.

22. Method:

The methods described in the Photogrammetric Plot Report for T-9561, T-9562, T-9564, T-9565, T-9567 and T-9570 which is included in the combined Descriptive Report for T-9561 and T-9562, Project 6040 are applicable to the radial plot except as follows:

The photography consists mainly of nine lens photographs taken in 1955. These were supplemented by two nine lens photographs taken in 1952. The location of photograph flights are shown on the included sketch. Some difficulty was encountered when transferring sub points identified on 1943 photography to the 1952 and 1955 photography.

Except as stated in Item 23 of this report all horizontal control stations were held within the allowable tolerance and the resulting intersections for photogrammetric points were very good.

23. Adequacy of Control:

The identification of horizontal control stations was adequate. Stations which could not be held in the plot were as follows:

In T-9550, station DUBB, 1949 could not be held because shoreline detail had changed since time of identification and it was impossible to accurately transfer the 1949 identification to the 1955 photography.

In T-9551, stations ALFRED, 1949 and BABS, 1949 were beyond the limits of 1955 photography.

In T-9552, a direct identification of station OFFAL, 1949 was

made from a hand held K-20 photograph and this held in the radial plot. The sub station "A" was disregarded. No angle or distance was furnished for sub station "B". Station YUCCA, 1949 was beyond limits of 1955 photography.

In T-9553, due to the extreme changes continually taking place in the shoreline of Christiakof Island it was impossible to identify station N.E. BEACON, 1949 and S.W. BEACON, 1949. Refer to additional remarks under Item 37 of the Compilation Report.

In T-9554, station WITCH, 1949 was beyond limits of 1955 photography. Station "B" (C.A.A.) 1949 would not hold. Apparently there is an error as to the identity of the azimuth station used for measuring the angle to the sub station. The resected location of the sub point verifies the distance measured in the field from the instrument station to the sub station and shown on the control station identification card.

The office computed the geographic position of V-10, 1949 and the orientation of the photographs in the area of T-9551 are based on this station. Computations are forwarded with this report.

24. Supplemental Data:

None.

25. Photography:

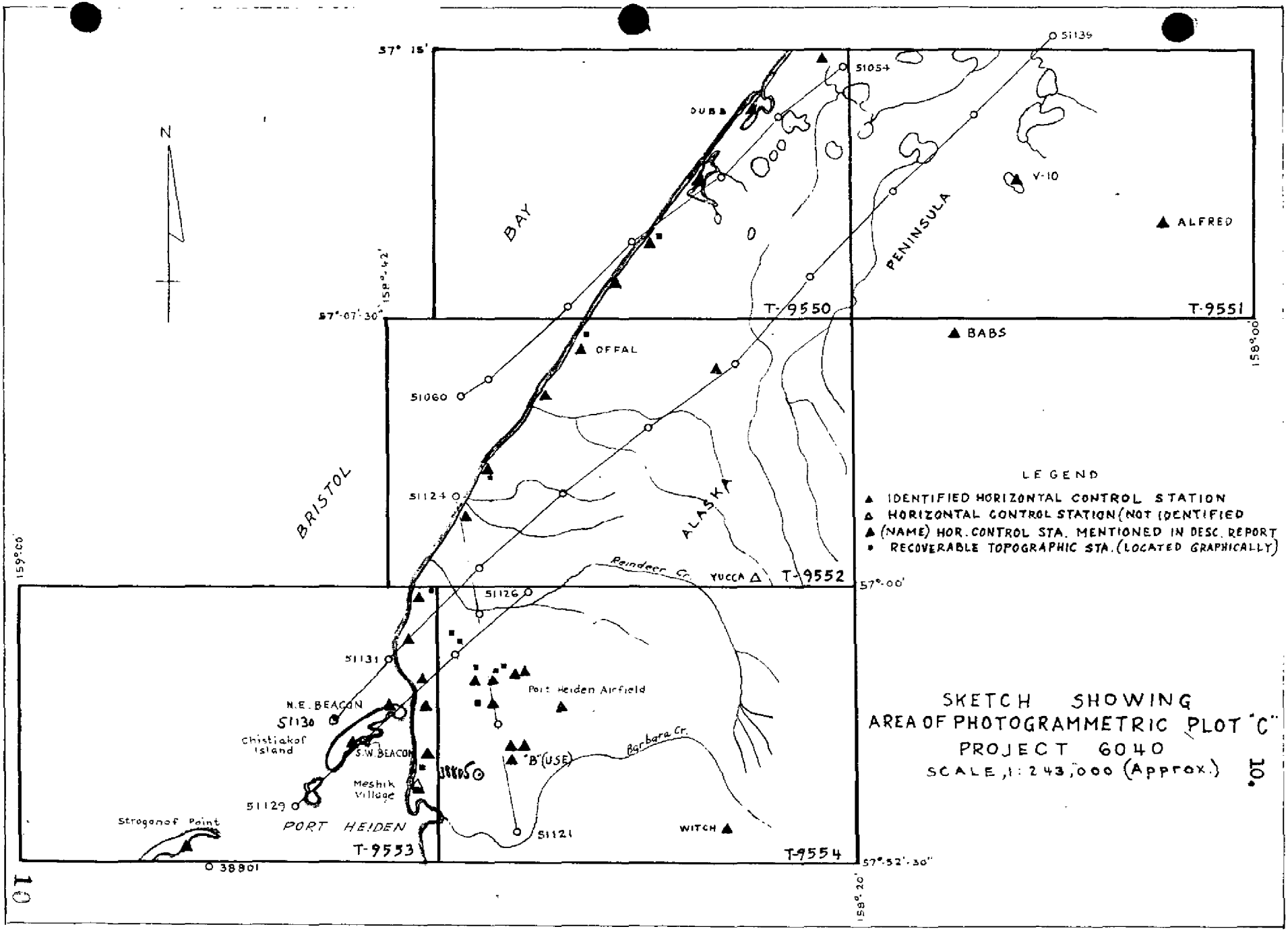
The photography was adequate.

Forwarded:

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

Respectfully submitted:

J. Edward Deal
Cartographer
C&GS



SKETCH SHOWING
AREA OF PHOTOGRAMMETRIC PLOT "C"
PROJECT 6040
SCALE, 1:243,000 (Approx.)

10.

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-9550 PROJECT NO. 6040 SCALE OF MAP 1:20,000 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)
DUBB, 1949	G-9236	N.A.	57 13 16.45				508.9	(1347.2)		
	P-193	1927	158 24 51.46				863.6	(143.3)		
ABEL, 1949	G-9236	"	57 08 25.411				786.1	(1070.0)		
	P-193		158 31 10.509				176.7	(832.3)		
BILL, 1949	G-9236	"	57 11 25.85				799.7	(1056.4)		
	P-193		158 27 23.80				399.7	(608.0)		
SHERRY, 1949	G-9236	"	57 14 48.307				1494.4	(361.7)		
	P-187		158 21 13.774				231.0	(775.2)		
QUIRT, 1949	G-9236	"	57 09 38.849				1201.8	(654.3)		
	P-190		158 29 33.605				564.9	(443.7)		

1 FT. = .3048006 METER

COMPUTED BY: D.N.W. DATE 9/19/55 CHECKED BY: C.C.H. DATE 9/20/55

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-9551 PROJECT NO. 6040 SCALE OF MAP 1:20,000 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)
ALFRED, 1949	G-9236	N.A.	57 10 11.259			348.3 (1507.8)	
	P-187	1927	158 04 09.174			154.2 (854.1)	
BABS, 1949	G-9236	"	57 06 39.261			1214.5 (641.6)	
	P-187		158 13 11.525			194.0 (815.9)	
V-10, 1949	Office	"	57 11 41.557			1285.6 (570.5)	
	Comp.		158 11 37.738			633.7 (373.9)	

1 FT. = .3048006 METER

COMPUTED BY: J.E.D. DATE 11/4/55 CHECKED BY: D.N.W. DATE 11/4/55

COMM-DC-57843

12

12.

FORM 164
(4-23-54)

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

MAP T-9552 PROJECT NO. 6040 SCALE OF MAP 1:20,000 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)
OFFAL, 1949	G-9236	N.A.	57 06 55.670				1722.1	(133.9)		
	P-187	1927	158 32 52.499				883.6	(126.2)		
VALET, 1949	G-9236	"	57 06 18.998				587.7	(1268.3)		
	P-187		158 26 39.610				666.8	(343.2)		
ULTRA, 1949	G-9236	"	57 03 07.464				230.9	(1625.1)		
	P-188		158 37 19.087				321.8	(689.7)		
YUCCA, 1949	G-9236	"	57 00 05.908				182.8	(1673.2)		
	P-187		158 24 31.284				528.1	(484.8)		
TECH, 1949	G-9236	"	57 05 17.37				537.3	(1318.7)		
	P-193		158 34 33.42				562.9	(447.6)		
DUKE, 1949	G-9236	"	57 01 51.718				1599.8	(256.2)		
	P-193		158 38 33.579				566.4	(445.7)		

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1 FT. = .3048006 METER

COMPUTED BY: D.N.W. DATE 9/19/55 CHECKED BY: C.C.H. DATE 9/20/55

COMM-DC-57843

FORM 164 (4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-9553 PROJECT NO. 6040 SCALE OF MAP 1:20,000 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)
HEIDEN N.W.	G-9236	N.A.	56 59 48.761				1508.4	(347.6)		
BASE, 1949	P-188	1927	158 40 18.780				317.1	(695.9)		
PORT HEIDEN N.E.	G-9236	"	56 56 16.206				501.3	(1354.6)		
BEACON, 1949	P-194		158 41 44.720				756.2	(258.3)		
PORT HEIDEN S.W.	G-9236	"	56 55 44.775				1385.0	(470.9)		
BEACON, 1949	P-194		158 42 53.818				910.3	(104.6)		
MESHIK, 1949	G-9236	"	56 54 59.688				1846.3	(9.6)		
	P-188		158 40 47.814				809.0	(206.1)		
CUPOLA, 1949	G-9236	"	56 56 46.669				1443.6	(412.4)		
	P-191		158 40 23.942				404.8	(609.6)		
MESHIK AZIMUTH	G-9236	"	56 57 20.038				619.9	(1236.2)		
MARK, 1949	P-191		158 40 40.582				685.9	(328.3)		
LOVE, 1949	G-9236	"	56 53 09.93				307.2	(1548.8)		
	P-193		158 51 51.09				865.2	(150.8)		
KNOT, 1949	G-9236	"	56 58 29.073				899.3	(956.7)		
	P-194		158 41 04.058				68.6	(945.0)		
MESHIK, ABANDONED CANNERY	G-9236	"	56 54 39.618				1225.5	(630.4)		
W. GABLE, 1949	P-194		158 41 09.415				159.3	(855.9)		
MESHIK NO 34	G-9236	"	56 54 40.269				1245.6	(610.3)		
(USAF), 1949	P-196		158 41 09.677				163.8	(851.5)		

14

14

1 FT. = .3048006 METER

COMPUTED BY: D.N.W. DATE 9/19/55 CHECKED BY: C.C.H. DATE 9/20/55

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-9554 PROJECT NO. 6040 SCALE OF MAP 1:20,000 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)
HEIDEN S.E.	G-9236	N.A.	56 57 52.906				1636.6	(219.4)		
BASE, 1949	P-188	1927	158 36 36.014				608.6	(405.3)		
WITCH, 1949	G-9236	"	56 53 11.321				350.2	(1505.8)		
	P-188	158	158 26 49.550				839.0	(176.9)		
H.I. HOSP.	G-9236	"	56 56 48.571				1502.4	(353.5)		
(USE), 1949	P-190		158 34 26.853				454.0	(560.4)		
B, 1949	G-9236	"	56 55 03.703				114.5	(1741.4)		
	P-190		158 36 54.391				920.2	(94.8)		
C, (USE), 1949	G-9236	"	56 56 57.139				1767.5	(88.5)		
	P-190		158 37 45.746				773.3	(240.9)		
12 (USE), 1949	G-9236	"	56 57 36.38				1125.4	(730.6)		
	P-194		158 37 54.20				916.0	(98.0)		
PORT HEIDEN RADIO RANGE CENTER	G-9236	"	56 55 25.614				792.3	(1063.7)		
TOWER, 1949	P-194		158 36 10.411				176.1	(838.8)		
PORT HEIDEN S.	G-9236	"	56 55 24.244				749.9	(1106.0)		
RADIO TOWER, 1949	P-194		158 36 56.012				947.5	(67.5)		
PORT HEIDEN AIRFIELD CONTROL	G-9236	"	56 57 31.347				969.7	(886.3)		
TOWER, 1949	P-194		158 38 15.038				254.1	(759.9)		
9 (USE), 1949	G-9236	"	56 57 53.372				1651.0	(205.0)		
	P-196		158 36 09.409				159.0	(854.9)		

1 FT. = .3048006 METER

COMPUTED BY D.N.W. DATE 9/19/55 CHECKED BY C.C.H. DATE 9/21/55

COMM-DC-57843

COMPILATION REPORT

Map Manuscripts T-9550 thru T-9554

Project 6040

31. Delineation:

Remarks under this heading in the combined Descriptive Report for map manuscripts T-9561 and T-9562, Project 6040 are also applicable to the five manuscripts covered by this report.

32. Control:

Refer to Item 23 "Adequacy of Control" in the Photogrammetric Plot Report which is included in this Descriptive Report.

There were sufficient pass points located during the radial plot to control the orientation of photographs at the compilation table when locating minor pass points.

33. Supplemental Data:

Supplemental data available in the area of T-9554 was as follows:

(a) Fort Morrow, Alaska, Airfield and Garrison Site, Project location and general layout.

(b) Fort Morrow, Alaska, Airfield and Garrison Site Plot Plan.

(c) Field Plan, Port Heiden, Alaska.

(d) Proposed withdrawal plan, Port Heiden, Alaska.

(e) General Plan, Port Heiden, Alaska.

(f) Power and Control Cable Layout, Port Heiden, Alaska (2 sheets)

The above were used as reference when compiling details at Port Heiden.

34. Contours and Drainage:

Contours are not applicable. Drainage was delineated by office examination of the photographs.

35. Shoreline and Alongshore Details:

There are many places within the limits of these five manuscripts where extreme changes continually occur in the shape of the shoreline. Where this occurs the remarks contained under this heading in the combined Descriptive Report for T-9564 and T-9565 are applicable.

Approximate low-water lines have been delineated.

36. Offshore Details:

There are no offshore details.

37. Landmarks and Aids:

In T-9553 there is recommended that two non-floating aids to navigation, namely "N.E. BEACON" and "S.W. BEACON", located on Chistiakof Island be charted. These were located by triangulation in 1949. They could not be identified on the 1955 photographs and they are not listed in the 1956 Pacific Coast Light List. The triangulation positions have been shown but whether or not they are still in operation should be determined by the hydrographic party.

38. Control for Future Surveys:

Sixteen Forms 524 are submitted with these five map manuscripts. Six of these were submitted by the field party. Four of these six are now triangulation stations and one other has been destroyed. A position has been determined for the remaining one Form 524 submitted by the field party. Ten additional Forms 524 for azimuth marks and marked stations of other agencies have been executed at the compilation office. All stations for which positions have been determined are listed in Item 49, "Notes to the Hydrographer".

39. Junctions:

Satisfactory junctions have been made with all adjoining map manuscripts.

40. Horizontal and Vertical Accuracy:

There are no areas of sub-normal horizontal accuracy. Vertical accuracy is not applicable. There is one vertical control station within the area of T-9551, namely V-10, but no zenith distances were available to compute its elevation.

Items 46 and 47:

Refer to the combined Descriptive Report for T-9561 and T-9562,

Project 6040.

Forwarded:

Fred Natella

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

Respectfully submitted:

J. Edward Deal

J. Edward Deal
Cartographer
C&GS

48. Geographic Names:

Geographic names appearing on these five map manuscripts are as follows:

T-9550

Alaska Peninsula
Bristol Bay

T-9551

Alaska Peninsula

T-9552

Alaska Peninsula
Bristol Bay
Reindeen Creek

T-9553

Alaska Peninsula
Bristol Bay
Chistiakof Island
Port Heiden
Meshik

Strogonof Point
Barabara Creek

T-9554

Alaska Peninsula
~~Barbara Creek~~ Barabara Creek
Port Heiden Airfield
Reindeer Creek

Names approved 5-20-57
L. Heck

49. Notes to the Hydrographer:

Recoverable topographic stations located are as follows:

In T-9550

QUIRT AZIMUTH MARK, 1949

In T-9552

ULTRA AZIMUTH MARK, 1949
OFFAL AZIMUTH MARK, 1949

In T-9553

WARE, 1949
HEIDEN N.W. BASE AZIMUTH MARK, 1949

In T-9554

1-C(USED) 1943	1-CA (USED) 1943
14, (USED) 1943	12A (USED) 1943
11, (USED) 1943	10 (USED) 1943

No photo-hydro stations were located.

Please investigate N.E. BEACON, 1949 and S.W. BEACON, 1949 on Chistikof Island in T-9553 in accordance with remarks in Item 37, "Landmarks and Aids", Compilation Report.

Review Report of Planimetric Maps

T-9950 thru T-9554

July 1957

62. Comparison with Registered Topographic Surveys:

There are no registered topographic surveys of this area.

63. Comparison with Maps of other Agencies:

BRISTOL BAY, ALASKA	1:250 000	1951	USGS
CHIGNIK, ALASKA	1:250 000	1951	USGS

Agreement is as good as scale difference permits.

64. Comparison with Contemporary Hydrographic Surveys:

There are no contemporary hydrographic surveys of this area.

65. Comparison with Nautical Charts:

8502	1:969 761	1956	(8-13)
8802	1:1023 188	1956	(7-9)
9302	1:1534 076	1956	(12-24)

The considerable differences in scale do not permit an effective comparison.

66. Adequacy of Results and Future Surveys:

Control and field inspection of these surveys appear adequate and no inaccuracies are indicated.

Reviewed by

Josef J. Streifler

Josef J. Streifler

APPROVED:

L.C. Lande

Chief, Review and Drafting Sec.
Photogrammetry Division

Chief, Nautical Chart Branch

Chief, Photogrammetry Division

Chief, Coastal Surveys

Summary

to accompany Planimetric Maps:

T-9550 thru T-9554

These five planimetric map manuscripts extend from the upper portion of PORT HEIDEN northeastward. See page 10 of this report for the geographic position of subject manuscripts.

Field inspection was accomplished during the season of 1949 on photography of June 1943. Manuscripts were compiled from photography of August 1952 and June 1955. Notes by the field inspector of the Bristol Bay shoreline could not be utilized fully, since this shoreline is subject to frequent and extreme changes.

This group of planimetric maps was scribed in the Portland Office from pencil compilations. Limited additions and changes were applied directly to the submitted film positives by the reviewer. Contact film negatives and acceptable "Cronar" film positives will be obtained to be filed with the descriptive report in the Bureau Archives.