9533 9535
9537
9539 THRU 9543

Diag. Cht. No. 8502-3.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric (Photogrammetric)

Field No. 2502 (6040) Office No. T-9533, T-9535, T-9537, and T-9539 thru T-9543

LOCALITY

State Alaska

General locality Bristol Bay, North Shore Alaska Peninsula.

Locality Cape Menshikof to Egegik River

1949-55

CHIEF OF PARTY

A.N.Stewart, Chief of Field Party
F.Natella, Portland Photo. Office

LIBRARY & ARCHIVES

DATE June 19, 1958

B-1870-1 (1)

9533 THRU 9543

DESCRIPTIVE REPORT - DATA RECORD

T- T-9533, T-9535, T-9537
and T-9539 thru T-9543.

Project No. (II): 2502 (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): 29 Nov. 1954) Office
14 Sept. 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): OCT 3 1956 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 22 Oct 1957

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

Geographic Datum (III): N.A. 1927 Vertical Datum (III): M.L.L.W.

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-9533 - GIK, 1946

Lat. 58° 14' 07.391" (228.7m)
Long. 157° 26' 34.645" (565.3m)

T-9535 - EGVERT, 1949

Lat. 58° 05' 15.684" (485.2m)
Long. 157° 35' 08.360" (137.0m)

T-9537 - JAP, 1949

Lat. 57° 57' 12.622" (390.5m)
Long. 157° 37' 04.076" (67.0m)

T-9539 - KING, 1949

Lat. 57° 51' 01.987" (61.5m)
Long. 157° 38' 41.326" (681.7m)

T-9540 - ZIRP, 1949

Lat. 57° 40' 47.511" (1469.8m)
Long. 157° 42' 08,666" (143.6m)

T-9541 - Same as T-9540

T-9542 - WOODY, 1949

Lat. 57° 32' 46.179" (1428.6m)
Long. 157° 44' 00.565" (9.4m)

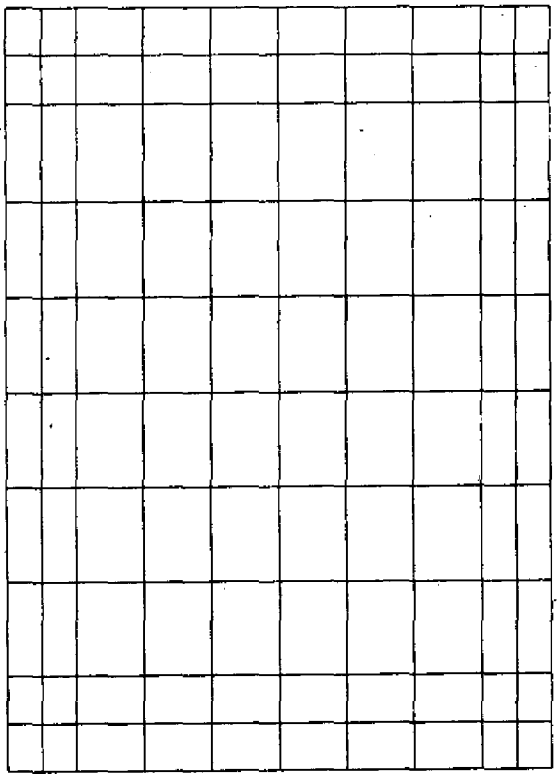
T-9543 - PILOT POINT, 1949

Lat. 57° 33' 59.970" (1855.3m)
Long. 157° 34' 33.038" (549.2m)

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



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

DESCRIPTIVE REPORT - 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): D.N. Williams & J. L. Harris Date: 5/7/56

Control checked by (III): C. C. Harris Date: 5/9/56

Radial Plot or Stereoscopic Control extension by (III): J. L. Harris & J. E. Deal Date: 5/16/56

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: 7/1 thru 9/28/56

Elevations on Manuscript checked by (II) (III): C. C. Harris (all sheets) Date: 8/10 thru 9/26/56

	Pencil Compilation	Date	Scribed	Date	Stick-up	Date
T-9533	J.L. Harris	8/17/56	D.N. Williams	8/22/56	C.C. Harris	9/28/56
T-9535	L.L. Graves	8/15/56	D.N. Williams	8/27/56	C.C. Harris	9/26/56
T-9537	L.L. Graves	8/20/56	L.L. Graves	8/22/56	C.C. Harris	9/24/56
T-9539	J.L. Harris	8/7/56	L.L. Graves	8/27/56	C.C. Harris	9/20/56
T-9540	J.L. Harris	6/19/56	J.L. Harris	7/25/56	C.C. Harris	8/24/56
T-9541	J.L. Harris	7/2/56	D.N. Williams	7/25/56	C.C. Harris	8/29/56
T-9542	D.N. Williams	5/23/56	J.L. Harris	7/24/56	C.C. Harris	8/15/56
T-9543	L.L. Graves	6/27/56	J.L. Harris	7/19/56	C.C. Harris	8/23/56

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
37370 thru 37372	6/9/52	16:00	1:20,000	3.8 above M.L.L.W.
37375 thru 37387	6/9/52	16:20	1:20,000	3.8 above M.L.L.W.
51038 thru 51045	6/18/55	15:50	1:20,000	-2.4 below M.L.L.W.
51146 thru 51165	6/18/55	16:20	1:20,000	-2.1 below M.L.L.W.

Tide (III)

		Ratio of Ranges	Mean Range	Diurnal Range
Reference Station:	Nushagak Bay		15.3	19.5
Subordinate Station:	Egegik River Entrance	0.92	13.8	18.2
Subordinate Station:				

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): 513

Shoreline (More than 200 meters to opposite shore) (III): 130

Shoreline (Less than 200 meters to opposite shore) (III): 47

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): Recovered: 38 Identified: 33

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

Number of Recoverable Photo Stations established (III): 14 *

Number of Temporary Photo Hydro Stations established (III): 2

Remarks: * 6 were submitted by the field party. One of these is now destroyed. Nine additional Forms 524 were submitted by the Photogrammetric Office for azimuth marks.

FIELD INSPECTION REPORT

Map Manuscripts T-9533, T-9535, T-9537 and T-9539 thru T-9543

Project 2502 (6040)

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

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscripts T-9533, T-9535, T-9537 and T-9539 thru T-9543

Radial Plot "E"

Project 2502 (6040)

21. Area Covered:

This radial plot covers an area approximately 6 miles in width along the north shore of the Alaska Peninsula, or otherwise the southeast shore of Bristol Bay, from Cape Menshikof to Egegik River. It comprises map manuscripts T-9533, T-9535, T-9537 and T-9539 thru T-9543.

22. Methods:

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 2502 (6040) are applicable except as follows:

The photography in T-9542 and T-9543 consists of two flights of nine lens photographs taken in 1955 of which one flight is located parallel to and along the shoreline of Bristol Bay and the other is located parallel to and about 4 miles interior to the shoreline of Bristol Bay. A third flight of photographs taken in 1952 and located parallel to and about 10 miles interior from the shoreline of Bristol Bay supplemented the 1955 photography. In T-9533, T-9535, T-9537 and T-9539 thru T-9541 there are two flights of nine lens photographs, one taken in 1955 and located parallel to and along the Bristol Bay shoreline, the other taken in 1952 and located parallel to and about 3 miles interior to the Bristol Bay shoreline. The locations of the 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 most of identified horizontal control stations were rigidly held. A few were held within an allowable tolerance. The resulting intersections of 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-9533 station SPIT, 1946.

Extreme changes in land conditions have taken place on the sand spit on which the sub station is located. An effort was made to prick the station but the point pricked could not be held along with other well identified stations.

This office was unable to find a geographic position for Libby McNeil Cannery Tanks, Silver Tank, southerly one of two (see Identification Card).

Refer to Page 6, Alaska 81 for description and refer to G9236 IV Page 178 for geographic position used in radial plot. The point pricked on the photographs held reasonably well to the plotted position in the radial plot. Possibly the original 4 tanks of 1946 were dismantled and the 2 tanks of the 1949 field inspection were erected in approximately the same location. Refer to Paragraph 8, Item "Control of Radial Plot" of the field inspection report which also casts doubt and gives slightly erroneous remarks on this station.

In T-9535 stations EGE, 1946 and DAGO, 1946 are beyond the limits of office photography.

In T-9539 station RUSTY, 1949 is beyond the limits of office photography.

Because the sub station could not be computed for station PYE, 1949 it was used only as a check. An arc, the length of the distance measured to sub point "B", was scribed from the station and an intersection of radials was secured on this scribed arc.

In T-9540 station V-150, 1949 was not used because of doubt in the identification.

In T-9543 station UGASHIK CANNERY POLE, 1949 is beyond the office photograph limits.

24. Supplemental Data:

None

25. Photography:

The photography was adequate.

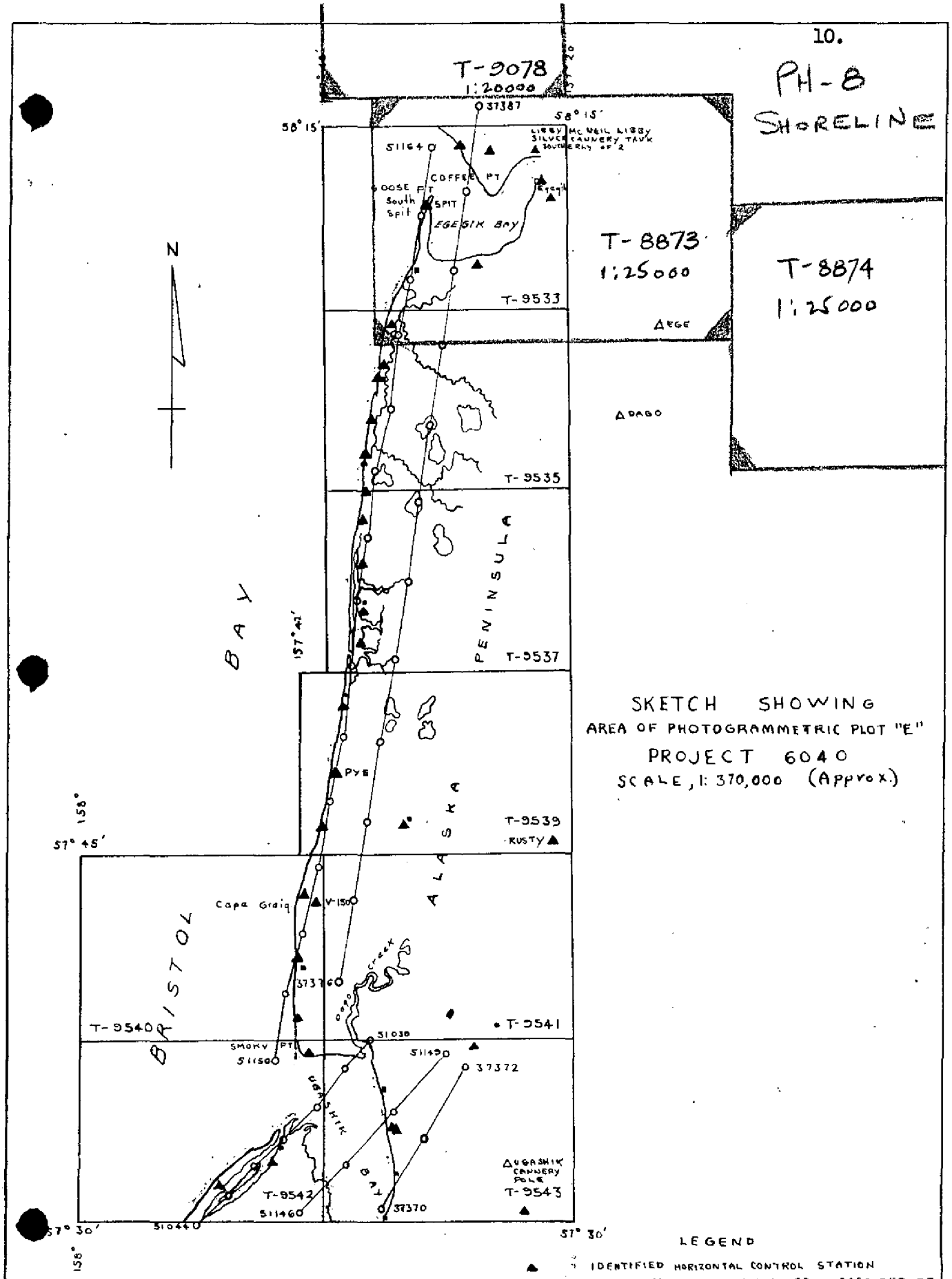
Approved:

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

Respectfully submitted:

J. Edward Deal
Cartographer
C&GS

PH-B
SHORELINE



SKETCH SHOWING
AREA OF PHOTOGRAMMETRIC PLOT "E"
PROJECT 6040
SCALE, 1: 370,000 (Approx.)

LEGEND

▲ IDENTIFIED HORIZONTAL CONTROL STATION
▲ NAME HOR. CONTROL STA. MENTIONED IN DESC. REPORT
■ RECOVERABLE TOPO. STA. (LOCATED GRAPHICALLY)

FORM 164
(4-23-54)

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

MAP T-9533 PROJECT NO. 2502 (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)
Alaska Packers"Diamond E"Cannery Red Tanks (Center of Group of 2) 1946	G-9236 1V P 178	N.A. 1927	58 12 55.25 157 22 15.06			1709.4 (147.0) 245.9 (733.8)	
Shoal, 1946	P 179	"	58 09 24.20 157 27 25.81			748.7 (1107.6) 422.1 (559.2)	
Libby,McNeil & Libby Cannery, Silver Tanks (center of group of 4) 1946	P 178	"	58 14 01.21 157 22 48.02			37.4 (1819.0) 783.6 (195.5)	
GIK, 1946	P 173	"	58 14 07.391 157 26 34.645			228.7 (1627.7) 565.3 (413.7)	
Red Bluff Lt. 1946	G-10722 P 423	"	58 14 10.030 157 29 00.193		310.3	310.3 (1546.1) 3.1 (975.9)	
SPIT, 1946	"	"	58 11 55.919 157 31 34.411			1730.1 (126.3) 562.1 (418.0)	
EGEGIK, 1946	Field Comp.	"	58 12 09.429 157 21 34.677			291.7 (1564.7) 566.4 (413.6)	
EGEGIK, No. 32 Astrolabe Sta.1946	"	"	58 12 53.791 157 22 33.431			1664.3 (192.1) 545.9 (433.8)	
V-14, 1949	"	"	58 12 54.987 157 22 15.646			1701.3 (155.1) 255.5 (724.2)	

changed to Topo Station

1 FT. = .3048006 METER

COMPUTED BY: J.L.H. DATE 1/25/56 CHECKED BY: L.F.V. DATE 1/25/56

COMM-DC-57843

FORM 164
(4-23-54)

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

MAP T-9535 PROJECT NO. 2502 (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)
POP, 1946	G-9236 1V P 179	N.A. 1927	58 04 51.413				1590.7	(265.7)		
			157 35 38.205				626.1	(357.2)		
Egegik North Base, 1946	G-9236 1V P 185	"	58 06 47.241				1461.6	(394.8)		
			157 34 29.543				483.8	(498.7)		
Egvert, 1949	"	"	58 05 15.684				485.2	(1371.1)		
			157 35 08.360				137.0	(846.2)		
Egegik South Base R.M. 2, 1946	"	"	58 03				238.2	(1618.1)		
			157 36				124.3	(859.8)		
TERRY, 1949	"	"	58 01 41.807				1293.5	(562.9)		
			157 36 33.765				554.2	(430.6)		
DAGO, 1946	"	"	58 02 40.993				1268.3	(588.1)		
			157 19 56.217				922.3	(62.1)		

1 FT. = .3048006 METER

COMM-DC-57843

COMPUTED BY: J.L.H. DATE 1/25/56 CHECKED BY: L.F.V. DATE 1/25/56

FORM 164
(4-23-54)

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

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-9537 PROJECT NO. 2502 (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)
VIXEN, 1949	G 9236 IV	N.A.	57 57 01.654				51.2	(1805.2)		
	P 185	1927	157 26 15.816				260.2	(726.8)		
LEE, 1949	"	"	57 55 08.714				269.6	(1586.7)		
			157 36 32.649				537.5	(450.3)		
MONT, 1949	P 189	"	57 58 53.622				1659.0	(197.3)		
			157 36 51.422				845.1	(141.0)		
RED, 1949	P 191	"	57 59 53.859				1666.3	(190.0)		
			157 36 51.506				846.1	(139.5)		
JAP, 1949	"	"	57 57 12.622				390.5	(1465.8)		
			157 37 04.076				67.0	(919.8)		
LEO, 1949	"	"	57 53 34.497				1067.3	(789.0)		
			157 37 05.602				92.3	(896.3)		

1 FT. = .3048006 METER

COMPUTED BY: J.L.H. DATE 1/25/56 CHECKED BY: L.F.V. DATE 1/25/56

COMM-DC-57843

FORM 164
(4-23-54)

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

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 9539 PROJECT NO. 2502 (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)
ERNIE, 1949	G 9236 IV	N.A.	57	46	12.180				376.8	(1479.5)		
	P 185	1927	157	33	59.265				979.8	(12.2)		
RUSTY, 1949		"	57	45	34.742				1074.8	(781.4)		
	P 186		157	21	40.785				674.4	(317.2)		
KING, 1949		"	57	51	01.987				61.5	(1794.8)		
			157	38	41.326				681.7	(308.0)		
PYE, 1949		"	57	48	28.747				889.4	(966.9)		
	P 191		157	39	08.722				144.0	(846.8)		
RIG, 1949	"	"	57	46	03.21				99.3	(1757.0)		
			157	40	16.59				274.3	(717.7)		

14.

1 FT. = .3048006 METER

COMPUTED BY: J.L.H. DATE 1/25/56 CHECKED BY: L.F.V. DATE 1/25/56

COMM-DC-57843

FORM 164
(4-23-54)

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

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 9540 PROJECT NO. 2502 (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)
GREIG, 1949	G 9236 IV	N.A.	57 43 32.507				1005.7	(850.6)		
	P 186	1927	157 41 34.842				576.7	(416.4)		
ZIRP, 1949		"	57 40 47.511				1469.8	(386.4)		
	P 190		157 42 08.666				143.6	(850.8)		
CUB , 1949		"	57 38 21.477				664.4	(1191.8)		
	P 192		157 42 25.136				417.0	(578.4)		
Cape Greig Light, 1949		"	57 43 32.460				1004.2	(852.0)		
	P 196		157 41 39.167				648.3	(344.8)		
V-150, 1949	Office Comp.	"	57 43 06.162				190.6	(1665.6)		
			157 40 53.602				887.4	(105.9)		

15.

1 FT. = .3048006 METER

COMM-DC-57843

COMPUTED BY: J.L.H. DATE 1/25/56 CHECKED BY: L.F.V. DATE 1/25/56

FORM 164
(4-23-54)

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

MAP T- 9541 PROJECT NO. 2502 (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)
NONE							

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

COMM-DC-57843

FORM 164
(4-23-54)

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

MAP T- 9542 PROJECT NO. 2502 (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)
WOODY, 1949	G 9236 1V P 186	N.A. 1927	57 32 46.179 157 44 00.565			1428.6 (427.6) 9.4 (988.6)	
Smokey Point, Light 1949	P 192	"	57 36 45.408 157 41 12.642			1404.8 (451.4) 209.9 (786.3)	
ART, 1949	"	"	57 31 27.88 157 48 29.08			862.5 (993.7) 484.0 (514.6)	

17.

1 FT. = .3048006 METER

COMPUTED BY: J.L.H. DATE 1/25/56 CHECKED BY: L.F.V. DATE 1/25/56

COMM-DC-57843

FORM 164
(4-23-54)

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

MAP T-9543 PROJECT NO. 2502 (6040) SCALE OF MAP 1:20,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ-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)
BABE, 1949	G 9236 1V P 186	N.A. 1927	57 37 12.144 157 28 07.061			375.7 (1480.5) 117.2 (878.8)	
PILOT POINT, 1949	P 189	"	57 33 59.970 157 34 33.038			1855.3 (0.9) 549.2 (448.2)	
Ugashik, Wingard Packing Co. S.W. Radio Mast, 1949	p 192	"	57 30 33.089 157 23 48.071			1023.6 (832.5) 800.4 (198.6)	
Pilot Point No. 33 (USAF), 1949	P 196	"	57 33 53.843 157 34 30.871			1665.7 (190.5) 513.2 (484.3)	

1 FT. = .3048006 METER

COMPUTED BY: J.L.H. DATE 1/25/56 CHECKED BY: L.F.V. DATE 1/25/56

COMM-DC-57843

COMPILATION REPORT

Map Manuscripts T-9533, T-9535, T-9537 and T-9539 thru T-9543

Project 2502 (6040)

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

In addition, in the area of map manuscript T-9533, there was no shoreline or interior field inspection available except for South Spit and Goose Point on photograph 14370. Other field prints in the area show only horizontal control identification.

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.

Computations are forwarded with this report for the geographic position of V-150, 1949.

33. Supplemental Data:

None.

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 eight 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.

Most of the shoreline and alongshore details in T-9533 were interpreted by office examination of 1952 and 1955 photographs.

Approximate low-water lines have been delineated.

36. Offshore Details:

There are no offshore details.

37. Landmarks and Aids:

Forms 567 for landmarks and aids for the entire project is submitted with this descriptive report.

38. Control for Future Surveys:

Six forms 524 for Recoverable Topographic Stations were submitted by the field party. One of these namely LARK, 1949 could not be located. Holding three stations of the sextant fix will place the station in a mud flat area covered at high-water. There is apparently an error in the angle measured to Ugashik Light and in the name of Ugashik Light. Comparison of land conditions between the 1943 field photographs and 1955 photographs indicate the station is now destroyed.

Nine forms 524 were executed at the Photogrammetric Office for Azimuth Marks.

In T-9540, GREIG AZIMUTH MARK could not be identified on the 1955 photographs because of extreme changes in land condition. Indications are that the mark is destroyed.

In T-9537, MONT AZIMUTH MARK could not be located because the graphic location of the sub station cannot be oriented to the field measurements and published azimuth.

Two photo-hydro stations selected by the field inspection party were located.

The 14 stations located and the two photo-hydro stations are listed in Item 49 "Notes to the Hydrographer".

39. Junctions:

Satisfactory junctions have been made with all adjoining map manuscripts falling within the limits of this project. No survey was available for junction purposes at the north neat line of T-9533.

40. Horizontal and Vertical Accuracy:

There are no areas believed to be of sub normal accuracy.

41. Vertical Control Stations:

Because of the uncertainty of the results of the computation of the elevation of the occupied station V-150 from stations GREIG, ZIRP

and RIG no elevations were computed for V-1016, V-1017 and V-1018 A&B. Vertical control station computations and data will be submitted for the entire project.

Items 46 and 47.

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

Approved:

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

Respectfully submitted:

J. Edward Deal
Cartographer
C&GS

48. Geographic Names:

Geographic names were taken from the final names sheets furnished to the compilation office. Those appearing on the map manuscripts are as follows:

T-9533

Alaska Peninsula
Bristol Bay
Coffee Point
Egegik
Egegik Bay
Goose Point
King Salmon
South Spit

Bishop Creek
Evans Creek
Red Bluff Light

T-9535

Alaska Peninsula
Bristol Bay

T-9537
Alaska Peninsula
Bristol Bay

T-9539

Alaska Peninsula
Bristol Bay

T-9540

Alaska Peninsula
Bristol Bay
Cape Greig

T-9541

Alaska Peninsula
Dago Creek

T-9542

Alaska Peninsula
Bristol Bay
Smoky Point
Ugashik Bay

T-9543

Alaska Peninsula
Dago Creek
Pilot Point
Ugashik Bay
Ugashik River

Note: Refer to Geographic Names Report Item 48 for T-9544 thru T-9549 for note relative to "Cape Menshikof" originally listed in T-9542.

Names approved
5-20-57
L. Heck

49. Notes to the Hydrographer:

Recoverable topographic stations located are as follows:

T-9533

BETT, 1949

T-9535

EGVERT AZIMUTH MARK, 1949
TERRY AZIMUTH MARK, 1949

T-9537

LEE AZIMUTH MARK, 1949
VIXEN AZIMUTH MARK, 1949

T-9539

KING AZIMUTH MARK, 1949
ERNIE AZIMUTH MARK, 1949

T-9540

ZIRP AZIMUTH MARK, 1949

T-9541

BABE AZIMUTH MARK, 1949

T-9542

WOODY AZIMUTH MARK, 1949

T-9543

OKRA, 1949
TATE, 1949
CONE, 1949
SKAT, 1949

Two photo-hydro signals were located as follows:

T-9542

No. 213 - Photo. No. 14341 - Northeast gable of wooden trappers cabin west of Pilot Point.

T-9543

No. 212 - Photo No. 14106 - Northern gable of wood building on end of cannery pier at Pilot Point.

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-9533, T-9535, T-9537,
and T-9539 thru T-9543.

1. Projection and grids X 2. Title X 3. Manuscript numbers X 4. Manuscript size X

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) X 7. Photo hydro stations X 8. Bench marks X
9. Plotting of sextant fixes X 10. Photogrammetric plot report X 11. Detail points X

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline X 13. Low-water line X 14. Rocks, shoals, etc. X 15. Bridges None 16. Aids to navigation X 17. Landmarks X 18. Other alongshore physical features X 19. Other alongshore cultural features X

PHYSICAL FEATURES

20. Water features X 21. Natural ground cover X 22. Planetable contours None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations X 26. Other physical features X

CULTURAL FEATURES

27. Roads X 28. Buildings X 29. Railroads None 30. Other cultural features X

BOUNDARIES

31. Boundary lines None 32. Public land lines None

MISCELLANEOUS

33. Geographic names X 34. Junctions X 35. Legibility of the manuscript X 36. Discrepancy overlay None 37. Descriptive Report X 38. Field inspection photographs X 39. Forms X

40. _____ J. Edward Deal
Reviewer

J. Edward Deal, Cartographer
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.

_____ Compiler

_____ Supervisor

43. Remarks:

M-2623-12

Review Report of Planimetric Maps

T-9533, T-9535, T-9537 and T-9539 thru T-9543

July 1957

62. Comparison with Registered Topographic Surveys:

T-8873 1:25000 1943-46

This is a Shoreline Survey of Project Ph-8 (B) and covers all of T-9533 and the northern portion of T-9535. See page 10 of the Descriptive Report where adjoining sheets of Ph-8 have been indicated in green. The shoreline of EGEGIK BAY of the two surveys is in good agreement, however, lower low water line with sand and mud flats are more extensively detailed on subject manuscripts. Furthermore, the shoreline from GOOSE POINT south has changed considerably since T-8873 was compiled and the more recent surveys T-9533 and T-9533 supercede the previous one of common areas for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

NAKNEK, ALASKA	1:250000	1952	USGS
BRISTOL BAY, ALASKA	1:250000	1951	USGS
UGASHIK, ALASKA	1:250000	1948	USGS
NAKNEK(A-5), ALASKA	1:63360	1951	USGS
UGASHIK(D-5 and D-6), ALASKA	1:63360	1951	USGS
UGASHIK(C-6), ALASKA	1:63360	1951	USGS
UGASHIK(C-5), ALASKA	1:63360	1951	USGS

With the exception of the BRISTOL BAY shoreline, which changes continuously, there is good agreement between the subject manuscripts and the above-listed quadrangles.

64. Comparison with Contemporary Hydrographic Surveys:

There are no contemporary hydrographic surveys of this area.

65. Comparison with Nautical Charts:

9051	1:100000	1950	(51-8/20)
8502	1:969761	1956	(8-13)
8802	1:1023188	1956	(7-9)
9302	1:1534076	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 appears adequate and no inaccuracies are indicated.

Reviewed by

Josef J. Streiffler

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-9533, T-9535, T-9537 and T-9539 thru T-9543

These eight planimetric map manuscripts represent the northernmost portion of project 25020 (Ph-40) and extend from Ugashik Bay to Egegik Bay. The index of page 10 of this report shows the subject planimetric sheets also in relation to adjoining project Ph-8 with overlapping portion of T-8873 shoreline survey at scale 1:25000.

Field inspection was accomplished during the season of 1949 on photography of June 1943. Manuscripts were compiled from Photography of June 1952 and June 1955. As a result, field inspection notes of the west shoreline (along Bristol Bay) were not very useful 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.