110011

11210 11211

Diag. Cht. No. 8002.

Form 564

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Topographic

T-11210

Field No. Ph-5808 Office No. T-11211

LOCALITY

State Alaska

General locality Gulf of Alaska

Locality Lituya Bay

19 58-59

CHIEF OF PARTY
H.J.Seaborg, Chief of Party
L.W.Swanson, Div. of Photo. Wash, D.C

LIBRARY & ARCHIVES

DATE May 1962

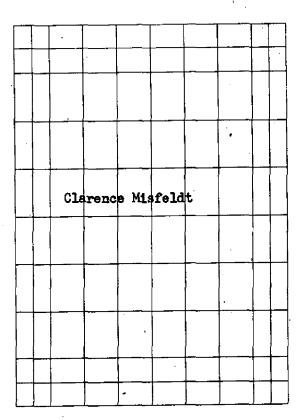
USCOMM-DC 5087

T = 11210 and T = 11211

Project No. (II): Ph - 5806 Quad	drangle Name (IV):		
Field Office (II):		Chief of Party: H. J	. Seaborg
Photogrammetric Office (III):Washington	, D. C	Officer-in-Charge: L	. W. Swanson
Instructions dated (II) (II 20 October 1 9	958	<i>,</i>	Copy filed in Division of Photogrammetry (IV)
Method of Compilation (III): Stereo - i Manuscript Scale (III): 1 : 10,000 Scale Factor (III):	-	ine-lens and gr	
Date received in Washington Office (IV):	Date report	ed to Nautical Chart B	ranch (IV):
Applied to Chart No. Date:		Date registered (IV):	4/25/62
Publication Scale (IV):		Publication	date (IV):
Geographic Datum (III):		Vertical D	atum (III):
		Elevations shown as (ept as follows: 25) refer to mean high water 5) refer to sounding datum r mean lower low water
• •			
Reference Station (III):			
Lat.: ,	Long.:	. · · ·	Adjusted Unadjusted
Plane Coordinates (IV):	State	e :	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.



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

COMM- DC- 57842

H. J. Seaborg Field inspection by (II):

Date: July-Aug., 1959

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Field inspection Aug. 1959, on 1958 Nine-lens photographs.

Projection and Grids ruled by (IV):

P. T. Dempsey

10-22-58 Date:

ŧŧ

Projection and Grids checked by (IV):

R. Shoup

Date:

Control plotted by (III): R. L. Sugden

Date: Dec. 1959

Control checked by (III):

H. Lucas

Date: Dec. 1959

Radial Plot or Stereoscopic

Control extension by (III):

R. L. Sugden

Date: Dec. 1959

Planimetry Clarence Misfeldt

Date: Mar. 1959

Stereoscopic Instrument compilation (III):

Contours

Date: Mar. 1959

Final shoreline and contours revised in Dec. 1959

Manuscript delineated by (III):

by C. Misfeldt

Date:

Photogrammetric Office Review by (III):

L. Levin

Date: Dec. 1959

Elevations on Manuscript

L. Levin

Date: Dec. 1959

checked by (II) (III):

Camera (kind or source) (III):

		PHOTOGRAPHS (HI)	
Number	Date	Time	Scale	Stage of Tide
58577 thru 58583	8-29-58	0857 thru. 0900	1:10,000	0.5 above MLW
58586 thru 58592	8-29-58	0906 thru 0908	11	, II

Tide (III)

Diurnal

Range

Date: mar 1962

Ratio of Mean | X 57 103 X

Range

Reference Station:

Sitka

Subordinate Station:

Lituya Bay

Subordinate Station:

Washington Office Review by (IV):

Le Lands

Date:

Ranges

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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

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

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Number of BMs searched for (II):

Recovered: Recovered: Identified: Identified:

Number of Recoverable Photo Stations established (III):

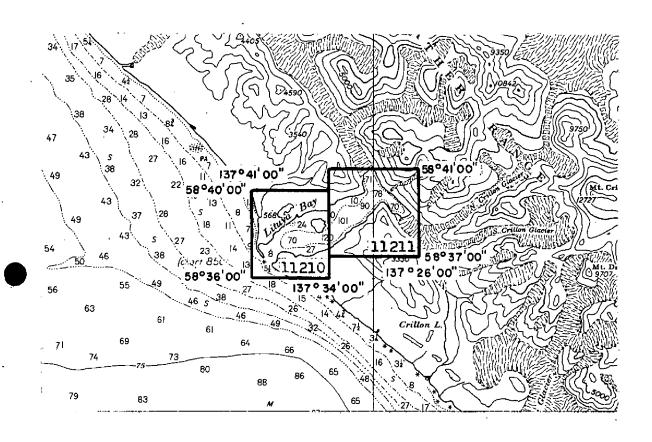
Number of Temporary Photo Hydro Stations established (III):

Remarks:

PROJECT PH-5808

Topographic Mapping Scale 1:10,000

Lituya Bay, Alaska



Official Mileage For Cost Accounts

Sheet	Area	Lin. Mi.
Number	Sq. Mi.	Shoreline
11210	11	22
11211	15	11,
TOTAL	 LS 26	 36

Project PH-5808
PHOTOGRAMMETRIC PLOT REPORT
LITUYA BAY, ALASKA
Scale 1:10,000
December 1959

A preliminary plot of this area was done in December 1958. Office identified control and graphic control positions were used. Field identified control dated July-Aug. 1959, was furnished for control of the final radial plot for this area. Hydrographic control established by the field and indicated on the blackline impressions was adjusted to this datum. The original photographs and templets, with the additional control added, were used in laying this plot.

21. Area Covered

This radial plot includes two manuscripts, T-11210 and T-11211 at 1:10,000 scale covering Lituya Bay from the entrance to its head.

22. Method

The radial plot was laid on vinylite manuscripts on which polyconic projections and the UTM grid were ruled. The grid lines were used in junctioning the manuscripts. The attached sketch shows the layout, the photographs used and the distribution of horizontal control.

Fourteen nine-lens metal-mounted photographs taken in August 1958 were prepared for this plot with pass points about every three inches along the shoreline and about every six inches in the interior. Sufficient pass points common with Geological Survey single-lens photographs taken in June 1948 were picked at the same time.

Vinylite was used in making the templets. A master templet was not used in preparing the templets as the photographs were previously checked and found free of transformer errors.

The 1959 field identified control was added to the originally prepared photographs and templets. Only nine-lens photographs were used for the relaid plot.

A tight plot into all control was laid in the stronger controlled western half obtaining good pass point positions and azimuths. With this as a base the plot was extended eastward into station ICE 1959 (Sub Pt.).

There was extreme tilt evident in photographs 58577, 58578 and 58579. Intersections into positions of high elevated peaks was resolved only after templets were corrected by drawing rays from the elevated points to the nadir point.

Intersection positions formed by three or more rays were circled with red ink and those formed by only two rays were circled in green ink. Those new pass point positions differing by more than 0.3mm with the preliminary plot positions were corrected on the original manuscript.

After completion of the plot of nine-lens photographs templets of the single-lens photographs were adjusted to positions obtained by the nine-lens plot. Little extension was required for this plot, it being primarily a resection problem. Pass points on this single-lens plot were circled with $2\frac{1}{2}$ mm blue circles. These were made solid for three or more intersections and dash for two rays.

23. Adequacy of Control

Eleven control stations with CSI cards and accompanying field photoidentification was used for controlling the plot. Positions and field identification was also furnished for four peaks.

The control was adequate overall but best in the western half where there was more and better placed control. Much of the control in the eastern half was on high peaks with poor photograph images falling on tilted photographs. The templets had to be corrected for tilt as explained in paragraph 22 above.

Radials from images to hydro station GIL intersected into triangulation station GILBERT 1959. They are denoted as being the same on the field photograph and therefore afford a check on the plot.

In adjusting the hydrographic control to the final plot, it was found that the hydrographic stations with triangulation station names fell on the plotted positions for their respective stations. These stations therefore afforded an additional check in datum for the plot. One exception to this was station COAL which did not coincide. As there was no field report received with this job, it is not known if this is to be in the same position. The blackline impression position was shown (adjusted to the final plot) as there was no position shown on the field photos.

All control held in the plot within 0.3mm with the following exceptions: SUNMORE 1959 (Sub Pt.) was missed by 0.4mm S. A number of rays were from poor images. DOME HILL 1959 with rays from poor photograph images was missed 0.4mm N.W. Peak A 1959 with positions from tilted photographs was missed 0.8mm to the north. The apparent high point was picked for Peak D (not the field identified position). This peak held in the plot.

24. Supplemental Data

T-4224, 1926, 1:20,000

Although no large discrepancies existed between the positions obtained by radial plot and graphic control survey positions, there is a discrepancy in shoreline between the surveys in the vicinity of hydro station CAT. The quality of the intersections of the plot indicate that the planetable survey is in error in this area.

25. Photography

The nine-lens photography was adequate for the plot. The scale between the photographs varied and Nos. 58577 thru 58579 were badly tilted. See sub-heading 22. The single-lens photographs were of poor definition but should be adequate for compilation of shoreline.

26 through 30

Inapplicable.

Sketch and form M-2388-12 submitted.

SUBMITTED BY:

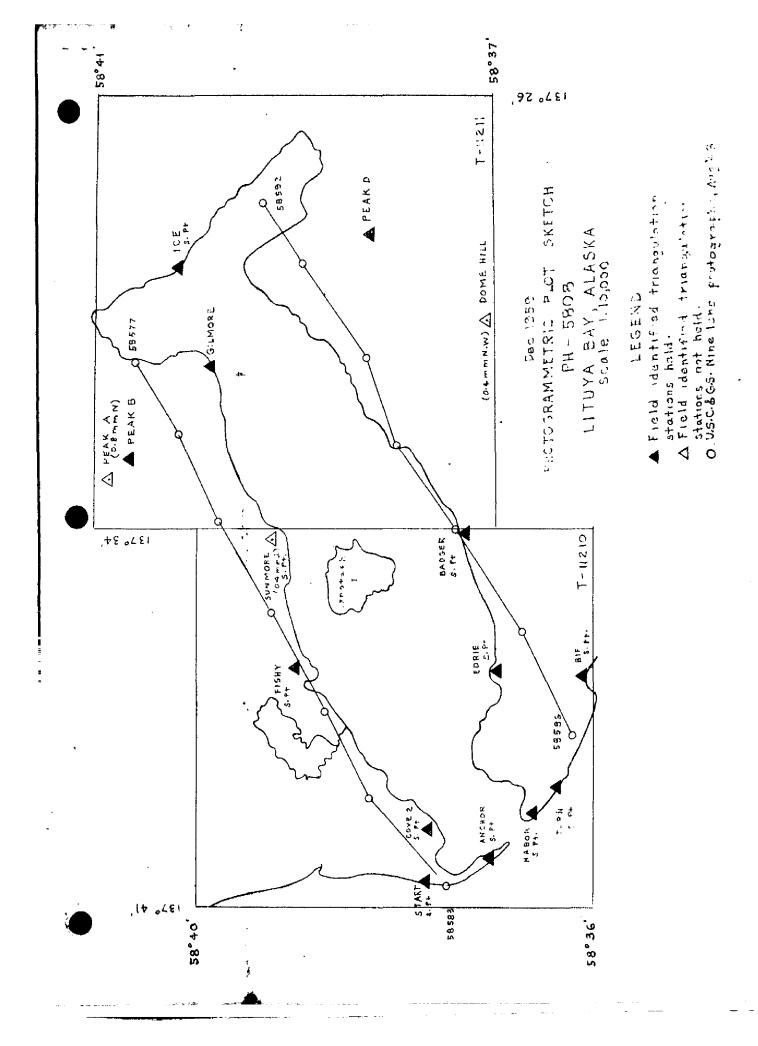
Robert L. Sugden

Cartographer

APPROVED BY:

J. Battley, Jr.

Cartographer



DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

PROJECT NO PH-5-808

MAP T. 11210

CONTROL RECORD

SCALE OF MAP 1:10,000

COAST AND GEODETIC SURVEY

SCALE FACTOR

COMM- DC- 57843 DISTANCE FACTOR DISTANCE FROM GRID OR PROJECTION LINE FROM GRID OR PROJECTION LINE IN METERS (BACK) FORWARD DATE 12/9/59 348.5 834.1 365.5 710.0 1656.9 372.1 31.8 421.4 27.3 397.7 709.6 1309.8 1347.5 1786.0 1761.9 832,6 1837.2 9*42 1683.9 366.6 9.967 891,1 408.7 418.9 N.A. 1927 - DATUM FORWARD 70.5 602.8 570.0 199.6 546.7 9,76 19,3 547.2 965.4 619,8 559.9 548.8 172.6 257.6 258.0 509.0 172.0 1829.2 602.3 596.8 136.0 1042.4 1781.9 1824.7 CHECKED BY R. L. Sugden DATUM 1856.5 1856.5 968.3 9.296 968.9 1856.5 9.896 1856.5 1856.5 9.896 1856,5 967.7 OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET. FORWARD LONGITUDE OR A COORDINATE LATITUDE OR V-COORDINATE 58-39-05.578 58-36-17-670 58-37-02,280 137-40-10.655 58-38-57-590 137-34-15-975 58-37-31.199 58-37-00-623 137-36-34.025 137-38-37,301 137-36-34.684 137-39-38.40U DATE 12/8/59 137-40 58-38 58-37 58-39 58-36 137-38 58-37 137-39 58-36 137-36 137-36 137-34 DATUM 1927 = = = = = = = = = = = Wisiecki G 12119 SOURCE OF G 12119 Pg 2 G 12119 Pg 1 G 12119 Pg 1 G 12119 Pg 3 G 1211 Comp. Off. Pg 2 Off. Comp. Comp. Off. Comp. Pg 2 Off. Comp. Off. (INDEX) Comp. Off. COMPUTED BY. T. M. SUNMORE, 1959 Sub Pt. SUNMORE, 1959 Sub Pt. ANCHOR, 1959 Sub Pt. COVE 2, 1959 ANCHOR, 1959 COVE 2, 1959 EDRIE, 1959 Sub Pt. EDRIE, 1959 FISHY, 1959 FISHY, 1959 STATION Ţ TURN, 1926 Sub Pt. TURN, 1926 30 b

ORM 164 4-23-54

COAST AND GEODETIC SURVEY U.S. DEPARTMENT OF COMMERCE

CONTROL RECORD DESCRIPTIVE REPORT SCALE FACTOR

SCALE OF MAP 1:10,000

PROJECT NO. PH-5-808.

COMM- DC- 5784. DISTANCE FROM GRID OR PROJECTION LINE FROM GRID OR PROJECTION LINE IN METERS (BACK) FORWARD 412.8 96.5 962.8 27.0 575.8 784.3 336.1 <u>ተ•</u> ተ99 625.3 1217.5 1313.3 1231,3 393.7 1842.9 1517.3 598.8 558.5 931,3 563.6 1655.7 847.7 1818.1 65 (BACK) N.A. 1927 - DATUM 13.6 5. 8 343.0 200.8 38.4 184.4 339.2 639.0 6.604 925.2 1,04.7 543.2 871.5 1520.4 901.6 625.2 573.8 945.9 947.2 120.4 1192,1 1443.7 1280,7 369.7 FORWARD 967.5 968.3 DATUM CORRECTION 1856.5 0.896 1856.5 1856.5 1856.5 9.896 1856.5 1856.5 7.896 1856.5 1856.5 **₹896** 1856.5 1856.5 968,6 1856.5 968.5 968,2 1856.5 967.3 **₽**896 968,1 OR PROJECTION LINE IN METERS: DISTANCE FROM GRID IN FEET. (BACK) FORWARD LONGITUDE OR x-COORDINATE LATITUDE OR y-COORDINATE 137-35-07.460 58-37-00.438 137-40-00,362 137-39-58.592 137-39-11,419 137-40-25.078 58-39-49-138 137-29-35.582 58-36-41.390 58-37-10-963 137-38-22.906 58-37-46.659 137-38-58,327 58-37-20,652 58-38-06.4.89 58-38-17,556 137-30-55.927 58-39-20,207 58-37-01.241 58-37-38.528 137-39-21,253 137-40-25.394 58-37-29,901 137-31-54.021 DATUM BAY, 1959 (1926) SOURCE OF G-1211 (INDEX) = N.B. LITUYA BAY MID BASE, 1959 (1926) LITUYA BAY, S.B. RM No 2, 1926 GILBERT, 1959 1 FT = 3048006 METER COMPUTED BY. 1959 SQUARE, 1959 LITUYA BASE, 1959, (1926) 1959 CENOT, 1959 CRILL, 1959 TRAVE, 1959 STATION COAL, 1959 ROYAL, ENTER, FRONT

MAP T. 11210-11211 ORM 164 4-23-54)

DATE 12/30/59

Sugden

CHECKED BY:....

H. Lucas

DATE 12/30/59

DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY CONTROL RECORD

STATION	ON Supercoor ON Continue of a Coordinate Ostance from settle Ostance Ost	MAP T. 11210-11211		PROJECT NO	ON I	SCALE OF MAP ****		5	00,101	Σ.
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1957 Pg 1 1927 137-39-19-887 321.4 147.7 1959 1000. 137-39 137-39 1006.0 760.5 1950 1000. 137-39 137-39 126.6 1729.9 126 121 128-36-04.092 126.6 1729.9 126 121 137-36-32.676 126.6 1729.9 127 127-36 137-36-32.139 145.2 1711.3 126 121 128-37 137-40 126.4 126.4 127 127 127-40 127-40 127-40 126.4 128 137-40-09.635 126.0 126.4 129 127-40 127-40 126.4 126.4 129 127-40 127-40 126.4 126.4 129 127-40 127-40 126.4 126.4 129 121 137-29 127-29 127-2 127-2 1959 121 137-34 137-34 137-3 137-3 1959 121 137-34 137-34 137-6 1959 121 137-34 137-34 137-6 1959 121 137-34 137-34 137-6 1959 137-34 137-34 137-34 137-6 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 137-34 1959 137-34 137-34 1959 137-34 137-34 137-34 1959 137	1959 Pg 1 1927 137-39-19.887 321.1 147.7 14.5	"	G 1211	٦ اا	58-36-34.928			1080.7	775.8	
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1926 Comp. 137-29 179.h 1855.h 1926 Comp. 137-29 179.h 787.7 18, 1959 Pg 2 137-34-13.460 217.3 751.2 18, 1959 Comp. 137-34 13.460 217.3 751.6 18, 1959 Comp. 137-34	1926 Comp. 137-29 179-6 179-4 187-7		Pg 2		137-29-12,873			207.5	9.657	
1926 Comp. 137-29 179.b 178.h 787.7 IR, 1959 Pg 2 137-34-13.460 ID Pt. Off. 137-34 IR, 1959 Comp. 137-34 IR, 1959 Comp. 137-34 IR, 1959 Comp. 137-34 IR, 1959 Comp. IR, 188 726.7	1926 Comp. 137-29 18, 1959 G 12119 " 58-37-17.084 528.6 1327.9 18, 1959 Pg 2 137-34-13.460 217.3 751.2 18, 1959 Comp. " 58-37 484.9 1371.6 21, 1959 Comp. " 137-34	Sub Pt.	Off.	2	58-40			301.1	1555.4	
1959 G 12119 " 58-37-17.084 528.6 1327.9 Pt. Off. " 58-37	1959 G 12119 " 58-37-17.0844 528.6 1327.9 Pt. Off. " 58-37 1959 Comp. " 58-37 1959 Comp. " 58-37 197-34 137-34 137-34 197		Comp.		137-29			179.h	787,7	
1959 Pg 2 17.3 751.2 Pt. 1959 Comp. " 58-37	1959 Pg 2			_	58-37-17.084			528.6	1327.9	
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1959 Comp. " 137-34. 241.8 726.7	1959 Comp. " 137-34. 241.8 726.7	Sub Pt.	Off.	:	58-37			6.484	1371.6	
	M. Wisiecki 12/9/59	BADGER, 1959	Comp.	E	137-34	-	t l	241.8	726.7	
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U.S. DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY CONTROL RECORD

MAP T-11210-11211	.11211	PROJECT NO.	ST NO. PH-5808	SCALE OF MAP 1:10,000	00000	SCAL	SCALE FACTOR	Δ.
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	N.A. 1927 DISTAN FROM GRID OR PR IN MET	1927 - DATUM DISTANCE DOR PROJECTION LINE IN METERS ARD (BACK)	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE FROM GRID OR PROJECTION LINE FROM GRID OR PROJECTION LINE FORWARD (BACK) FORWARD (BACK)
REAR RANGE, 1959			58-37-43.478 137-39-19.967		1856.5 968.2	1345.3 322.2	511.2 646.0	
BM No.2 1926, 1959			58-36-58.454 137-37-06.321		1856.5 968.6	1808.7	47.8 866.5	
PEAK D, 1959			58-38-10.691	T-11211	1856.5 968.1	330.8	1525.7	
DOME HILL, 1959		\	58-37-05-571	T-11211	1856.5 968.6	172.4 937.7	1684.1 30.9	
PEAK A, 1959		-	58-40-50.031	1-11211	1856.5 966.8	1548.1	308.4	
PEAK B, 1959		<u>'</u>	58-40-36.431 137-32-45.817		1856.5	1127.2 738.4	729.3	
		_ .						
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		<u> </u>						
T FT 3048005 METER SI	Sugden	V 0	DATE 12/30/59	CHECKED BY. H. LUCES	Lucas		DATE 12/30/59	30/59 comm. oc. 57843

COMPILATION REPORT T-11210 and T-11211 7 December 1959

31. Delineation

The planimetry and hypsography were compiled with the Reading Stereoplotter, A.

32. Control

Geodetic control by triangulation was confined to shoreline points. These were identified in the office from published descriptions. Supplemental control by the radial-line plot was adversely affected by tilted photographs combined with high elevations of many selected points. The position of detail back of the of the stered model that had good alignment with shoreline points. Vertical control was confined to the water level at the time of photography. Additional points in the outer areas of photographs were cut into the plot by intersections of two or more rays. The elevations, of as many points as were contained in a well-rectified photograph, were computed using radial distance and parallax measurements. These served as aids in rectification of the adjacent photographs. An adjusted stereo model of the two photographs provided a check and modification of elevations of common points. The procedure was repeated for each successive photograph. Considering the probable accuracy of the 1926 survey and the tree-cover on meny points, there is reasonable agreement of position and elevation of most common points.

33. Supplemental Data

Shoreline field inspection, 1959.

34. Contours and Drainage

Stereo instrument contouring of the preliminary maps was done without benefit of vertical control other than the water surface. Subsequent field identified vertical control data was furnished for eighteen triangulation stations. The maps information compared very favorably with the computed field data. Fifteen of the map elevations agreed within less than five feet of the computed elevations and the maximum difference was 13 feet.

35. Shoreline and Alongshore Details

Changes to shoreline and alongshore detail resulting from the new positions obtained by the radial plot laid on the 1959 control (see 1959 Plot Report), and from the 1959 shoreline inspection were made directly on the original manuscripts in red ink. Vertical datum from field inspection was applied to offshore rocks. The hydrographic control was adjusted to the final datum and is shown on the original manuscript. On some of these photo hydro stations additional radial cuts from office photos resulted in stronger located positions than were obtained in the field. With the exception of COAL all photo-hydro positions are believed to be in their correct position.

36. Offshore Details

Some rocks awash shown on the 1926 survey, especially at the mouth of Lituya Bay, were not visible on the photographs. Confirmation of these can be made at the time of hydrography.

37. Landmarks and Aids

The harbor light was washed out by the seismic tidal wave of July 9, 1958. Landmark TREE (photo hydro Try) was scaled from finel manuscript (plot) + submitted to Naut charts. I.Z. 38. Control for Future Surveys Chart Letter 134,1960

Many shoreline or alongshore rocks or boulders are delineated, some may be useful for hydro signals.

39. Junctions

The two manuscripts join each other, but no other contemporary surveys are in the area.

40. Horizontal and Vertical Accuracy

Accuracy decreases as distance from shore increases. See No. 32, Control and No. 34, Contours.

41. Seismic Investigation

The survey was started to record changes produced by the earthquakes and seimic tidal wave of July 9, 1958. A simultaneous survey was made, from 1948 single-lens photography for comparison. The outstanding change was the extensive areas, some of high elevation, denuded by the ice and water of the seismic tidal wave. Little change occurred in the shoreline. The relatively independent compilations, together with probable recurring erosion and deposition, made critical comparison difficult.

46. Comparison with Existing Maps

USGS Alaska Reconnaissance topographic series:
Mr. Fairweather, Alaska 1:250,000, 1951

Comparison with Existing Maps Continued 46.

USC&GS topographic survey, No. T-4244 - Lituya Bay 1:20,000, 8/26

USC&GS hydrographic survey, No. H-6582 - Lituya Bay and

approaches, 1:20,000, 4/40
USC&GS hydrographic survey, No. H-4608 - Lituya Bay, 1:20,000, 8/26

USC&GS hydrographic survey, No. H-2174a - Entrance to Lituya Bay, 1:10,000, 1874

Comparison with Nautical Charts 47.

USC&GS Nautical Chart, No. 8402, Cross Sound to Yakutat Bay, 1:300,000 4/49 USC&GS Nautical Chart, No. 8505, Lituya Bay, 1:20,000 3/27

SUBMITTED:

Contouring: Clarence Misfeldt
Clarence Misfeldt

Adjusted shoreline and alongshore features:

Robert L. Sugden

REVIEW REPORT of Topographic Manuscripts T-11210 and T-11211 March 1962

62. Comparison with Registered Topographic Surveys

T-4244 1:20,000 1926 This survey agrees as well as could be expected considering the time difference. Only minor differences exist between this survey and T-11210 and T-11211. T-11210 and T-11211 supersede the above survey of common area for Nautical Chart purposes.

63. Comparison with Maps of Other Agencies

U.S.G.S. Reconnaissance topographic series:
Mt. Fairweather, Alaska 1:250,000 1951

Because of the scale difference only a visual comparison can be made. T-11210 and T-11211 are more complete and supersede the above survey for common area.

64. Comparison with Contemporary Hydrographic Surveys

H-8492

1:10,000 and 1:5,000

1959

Shoreline and control of subject survey was furnished for the hydrographic survey in 1959. There are some rocks shown on T-11210 and T-11211 that are not shown on H-8492. However, during verification and review they will be proved or disproved.

65. Comparison with Nautical Charts

Chart 8505

1:20,000

Edition 1942

Revised 7/5/59

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for Nautical Charting.

Respect Fally Submitted:

L. C. Vande

Approyed:

has. Theurer

Chief, Cartographic Branch

Chief. Photogrammetry Div.

Chief, Nautical Chart Division

9.6. Mast 6/4

Chief, Coastal Survey

Geographic Names T-11210 and T-11211

Gulf of Alaska

Lituya Bay

Crillon Inlet

Gilbert Inlet

Anchorage Cove

Portage Creek

Coal Creek

Mudslide Creek

Fall Creek

Steelhead Creek

Fish Lake

Cenotaph Island

Solomon Railroad

The Paps

Harbor Point

La Chaussee Spit

Cormorant Rock

Cascade Glacier

Lituya Glacier

North Crillon Glacier

NAUTICAL CHARTS BRANCH

SURVEY NO. <u>T-11210</u> & 11211

Record of Application to Charts

Before After Verification and Review	DATE	CHART	CARTOGRAPHER	REMARKS
Before After Verification and Review Before After Verification and Review	5/18/13	8505	TOMANTE ALEXANDER	Before Verification and Review
Before After Verification and Review			- 	<u></u>
Before After Verification and Review	2/2/19	8505	RTN	
Before After Verification and Review				
Before After Verification and Review Before After Verification and Review Before After Verification and Review				Before After Verification and Review
Before After Verification and Review Before After Verification and Review				Before After Verification and Review
Before After Verification and Review				Before After Verification and Review
				Before After Verification and Review
Before After Verification and Review				Before After Verification and Review
				Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.