

9136

Original

9136

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No.	Office No. T-9136
LOCALITY	
State	ALASKA
General locality	PRINCE WILLIAM SOUND
Locality	OOCHRAHE BAY
19 47 - 60	
CHIEF OF PARTY Glendon E. Boothe, Field Hubert A. Paton, Baltimore Photo Office Louis J. Reed, Washington Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DATA RECORD

T-9135, 9136, 9137

152
 Project No. (II): Ph-39(48) Quadrangle Name (IV): T-9135 = BLACKSTONE BAY
 T-9136 = COCHRANE BAY
 T-9137 = CULROSS ISLAND
 Field Office (II): DERICKSON Chief of Party: Glendon E. Boothe
 Photogrammetric Office (III): B'more Photo Office Officer-in-Charge: Hubert A. Paton
 Washington Office, Louis J. Reed, Chief, Stereo-
 Instructions dated (II) (III): scopic Mapping Section
 Copy filed in Division of
 Photogrammetry (IV)

(II) Field dated 28 Jun 49

Method of Compilation (III): Reading Plotter

Manuscript Scale (III): 1:20,000

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

Scale Factor (III): 1:1

Date received in Washington Office (IV): JAN 23 1951 Date reported to Nautical Chart Branch (IV): 2-5-51

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA 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):

Lat.:

Long.:

Adjusted

XXXXXX

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.

DATA RECORD

Field Inspection by (II): Glendon E. Boothe

Date: 1949

Planetable contouring by (II): none

Date:

Completion Surveys by (II): none

Date:

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

Shoreline is dated 1949 since it was field inspected in 1949.

Projection and Grids ruled by (IV): Ruling Machine

Date: 18 Aug 50

Projection and Grids checked by (IV): Theodore L. Janson

Date: 18 Aug 50

Control plotted by (III): Orvis N. Dalbey

Date: 14 Nov 50

Control checked by (III): John B. McDonald

Date: 15 Nov 50

Radial Plot or Stereoscopic

Control checked by (III):

Frank J. Tarcaza

Date: 7 Jun 50

Robert L. Sugden

Aug 57
Feb 60

Garnett S. Amburn

delineation by

Planimetry

Louis Levin

Date: 21 Sep 50

Stereoscopic Instrument

and

and

Clarence E. Misfeldt

Date:

compilation

Manuscript checked by (III):

Louis Levin and

Date: 30 Jan 51

John B. McDonald

Photogrammetric Office Review by (III): Louis J. Reed

Date: 30 Jan 51

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

Louis J. Reed

Date: 30 Jan 51

Camera (kind or source) (III): U S C & G S 9-Lens Camera "B", F = 8.25"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
19693-95	27 Jun 47	11:23	20,000	5 ft above MLLW
19713-16	"	11:52	"	6 "
19718-19	"	11:55	"	6 "
23401-03	2 Sep 48	13:04	"	12 "
23443-45	"	13:41	"	11 "
23447-58	"	13:47	"	11 "
23584-91	3 Sep 48	10:18	"	6 "
23594-603	"	10:35	"	7 "

Tide (III)

Diurnal

Reference Station: Cordova
 Subordinate Station: Culross Bay - Wells Passage
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1	9.7	12.1

Atlantic Marine Center
~~Washington~~ Review by (IV): Charles H. Bishop

Date: 7-27-70

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): See Remarks below

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

Shoreline (Less than 200 meters to opposite shore) (III): none

Control Leveling - Miles (II): none

Number of Triangulation Stations searched for (II):

Recovered:

Identified: 9

Number of BMs searched for (II): none

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): none

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

Remarks:

	<u>T-9135</u>	<u>T-9136</u>	<u>T-9137</u>
Land Area =	5 sq mi	31 sq mi	19 sq mi
Shoreline =	3 miles	28 miles	38 miles

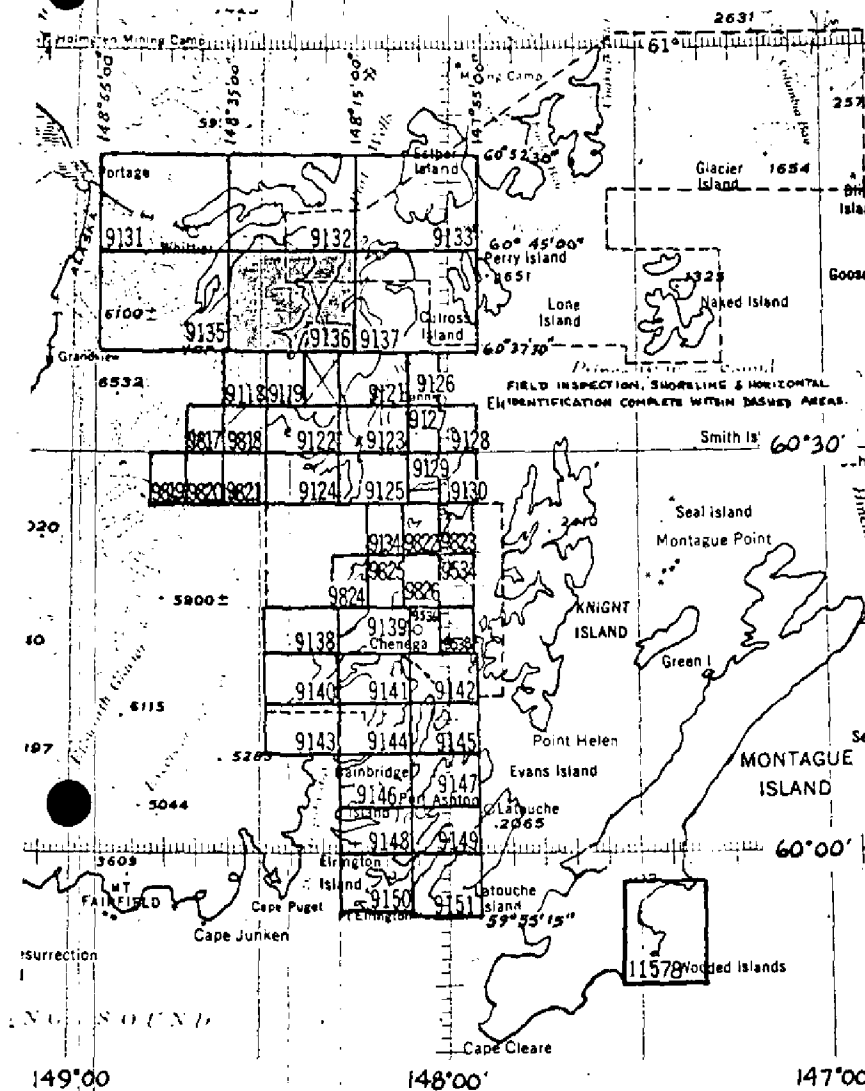
T-9136

COMPILATION RECORD	COMPLETION DATE	REMARKS
Contours and shoreline	1951	Superseded
Shoreline revised from 1958 photographs		
Final review	1970	

SHORELINE MAPPING PROJECT PH-152

5

Prince William Sound, Alaska



OFFICIAL MILEAGE FOR COST ACCOUNT
 LIN. MI. AREA
 SHEET NO. SHORELINE MILES

9118	3	13
9119	9	11
9121	11	10
9122	23	7
9123	17	7
9124	7	5
9125	15	6
9126	5	3
9127	6	3
9128	5	3
9129	7	8
9130	14	6
9131	12	95
9132	48	50
9133	36	45
9134	3	11
9135	24	90
9136	26	85
9137	68	48
9138	10	7
9139	13	5
9140	12	8
9141	24	12
9142	10	3
9143	9	4
9144	26	9
9145	19	8
9146	18	8
9147	24	9
9148	25	9
9149	19	7
9150	24	8
9151	15	9
9534	6	4
9536	6	6
9538	4	1
9817	9	10
9818	11	6
9819	3	9
9820	7	5
9821	2	10
9822	9	9
9823	7	4
9824	9	10
9825	11	6
9826	10	8
11578	19	21

TOTALS

702

726

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-9136

At the time of final review, which is several years after compilation, many of the records concerning this map have been lost or misplaced and were not available for the final reviewer's use. The Compilation Record and Form 164 Control Record were prepared by the final reviewer. Notes concerning the absence of reports are inserted where the reports should be in this Descriptive Report.

No compilation report was available when this map was reviewed.

Compilation of the contoured area was by Reading Plotter in 1950 and 1951, using 1:20,000 scale, nine-lens photographs taken in 1947 and 1948. In 1957 a preliminary radial plot was run at 1:20,000 scale for the purpose of completing the area south of the contouring limit ($60^{\circ} 40.5'$). Nine-lens photographs with mostly office-identified control were used for the 1957 plot. In 1960 another radial plot was run at 1:20,000 scale, using nine-lens photographs with field-identified control, to verify the previous plot. Photographs used in the radial plots were taken in 1948.

Topography on this map is incomplete; no contours were mapped south of latitude $60^{\circ} 40.5'$.

It is not known if hydro-support data was furnished to the hydrographic party.

There was no data concerning field edit available to the final reviewer; it is not known if field edit was performed.

Final review was done at the Atlantic Marine Center in July 1970.

The compilation manuscript was a vinylite sheet $7\frac{1}{2}$ minutes in latitude and 20 minutes in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.

FIELD INSPECTION REPORT

2-20

Field inspection was accomplished in 1949 in conjunction with hydrographic operation in the area. The report on this field inspection was meager and can be found in the 1949 season's report of the USC & GS Ship DERICKSON, Project CS-277, Prince William Sound, Alaska, Glendon E. Boothe, Chief of Party, Commanding, a copy of which report relative to field inspection follows:

4. Field Inspection of Air Photographs:

Unfortunately air photographs of the area of the working grounds were not available. Under date of 9 Aug 49 instructions were received to make a field inspection of air photographs covering Passage Canal, Wells Passage, Pigot Bay, and heads of Blackstone Bay, Cochran Bay, Port Wells, and Cylross Passage. All triangulation stations in the area were recovered, and where possible the station was located on the air photographs. All of the shoreline was inspected from small boats cruising along close to the beach, landings were made as necessary for inspection purposes, the high water line was determined and off-lying rocks were inspected and notes made on the photographs. The usual standard practices for this type of work were used. A new oil dock at Whittier was located by measurement on the ground and placed on the air photograph.

RADIAL PLOT REPORT

21 - 30

See combined descriptive report for map manuscripts T-9131, T-9132, and T-9133, page 8, which report applies here since the same plot covered all six quadrangles.

RADIAL PLOT REPORT

MAP T-9136

PROJECT PH-152

A Radial Plot Report is mentioned in Item 32 of the Compilation Report for T-9131, 9132, and 9133. This plot report was not available at the time of final review and is not bound with this Descriptive Report.

The following sketch (original bound with T-9135) is for the 1950 plot.

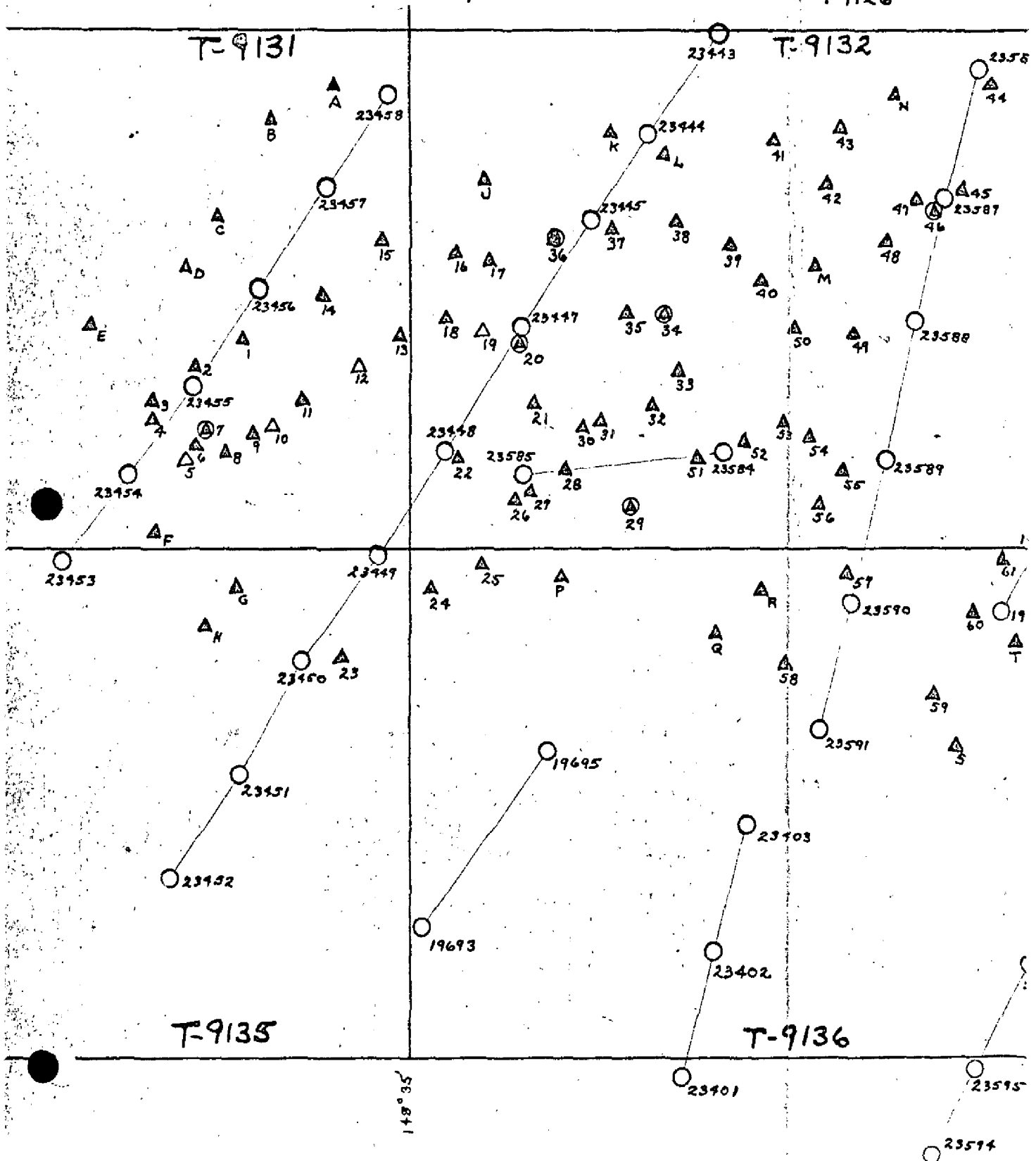
July 15, 1970

LAYOUT SKETCH PROJECT PH-39 (48)

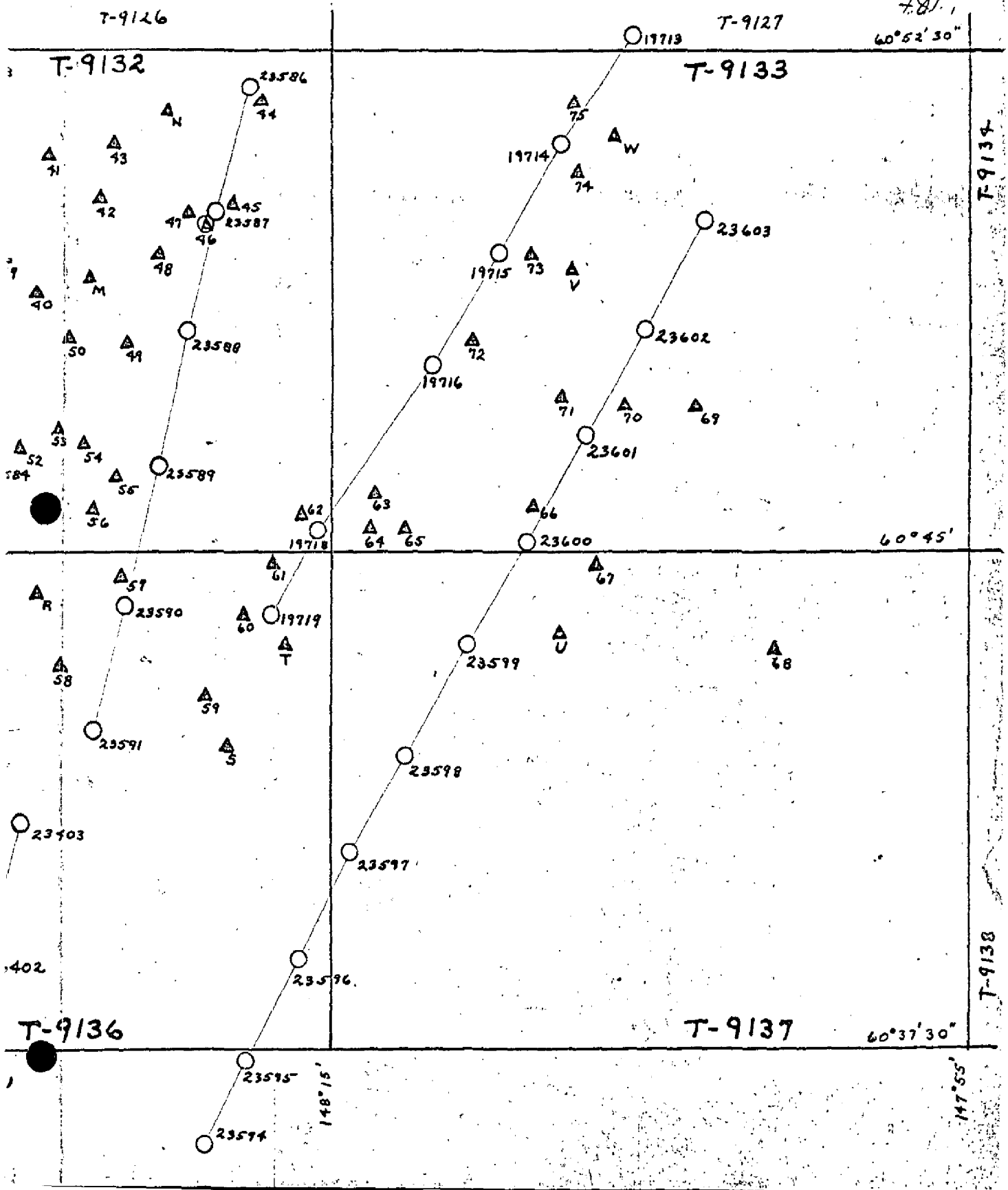
10

SURVEYS T-9131, T-9132, T-9133,
T-9135, T-9136 & T-9137

T-9126



- NINE-LENS OFFICE PHOTOGRAPHS
- △ TRIANGULATION STATIONS (NOT IDENTIFIED)
- ▲ TRIANGULATION STATIONS (IDENTIFIED and HELD)
- ⊙ TRIANGULATION STATIONS (NOT HELD IN RADIAL PLOT)
- △ TRIANGULATION STATIONS (IDENTIFIED IN OFFICE)



PHOTOGRAMMETRIC PLOT REPORT
Prince William Sound, Alaska
Project Ph-152
August 1957

21. Area Covered

This radial plot covers the southern parts of Cochrane Bay and Blackstone Bay. It is at 1:20,000 scale and completes an area on Manuscripts T-9135 and T-9136 between a 1:20,000 scale plot to the north and 1:10,000 scale plots to the south and east.

22. Method

Four vinylite manuscripts, T-9131, T-9132, T-9135 and T-9136 at 1:20,000 scale were joined together at the grid lines.

Nine-lens metal-mounted photographs were used in the plot. Mylar templates were prepared using a master template for correcting distortion errors.

The plot was begun in the northern part. Here adequate control was available in the previous plot and there was no problem in junctioning. The plot was extended southward holding to additional control stations. A satisfactory junction was achieved with plots to the south and east.

Six additional control stations were identified on the nine-lens photographs to extend the plot and strengthen positions. (See radial plot sketch which shows discrepancies with horizontal control positions).

Positions established by this plot are circled in red on the manuscripts whereas positions on the prior plot are in blue.

23. Adequacy of Control

As stated in paragraph 22 above positions to the north were well controlled. Four well described stations in the south part of Blackstone Bay were office identified. The two stations added in south Cochrane Bay (Hack 1948 & Jello 1948) were used in the plot to the south. Control was adequate and good junction was effected.

24. Supplemental Data - None

25. Photography

A flight of photographs in each bay area was available. Though one in between would have been helpful, it was not necessary as sufficient photographs and control were used in the plot to the north to establish good junction positions. There was also sufficient

control throughout so that each flight could be laid independently. Though the overlap was small, ties were made between flights. (See sketch for arrangement of photographs).

Submitted by:

Robert L. Sugden
Robert L. Sugden

Approved:

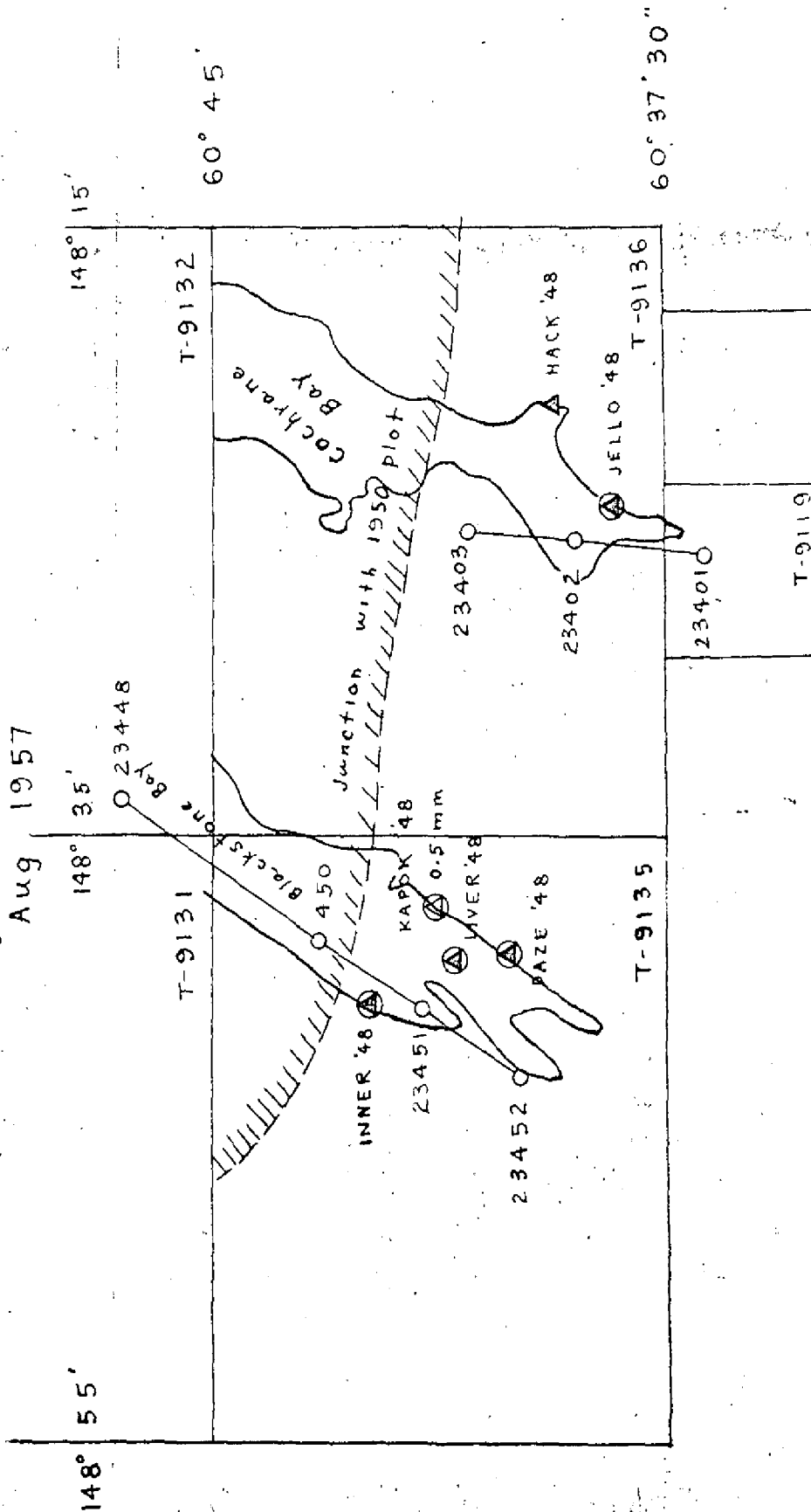
Everett H. Ramey
Everett H. Ramey
Chief, Graphic Compilation
Unit

Photogrammetric Plot Sketch

Prince William Sound

Project 27340

Aug 1957



▲ Field identified control held

● Office identified control held

○ Office identified control not held

PHOTOGRAMMETRIC PLOT REPORT
PRINCE WILLIAM SOUND, ALASKA
PROJECT PH-152
FEBRUARY 1960

A preliminary plot of this area, using mostly office-identified control, was done in August 1957. The purpose of this radial plot was to verify previous plot with additional field-identified control accomplished in May and June 1959 by H. J. Seaborg.

21. AREA COVERED:

This radial plot covers the southern part of Cochrane Bay and Blackstone Bay. It is at 1:20,000 scale and completes an area on Manuscripts T-9135 and T-9136.

22. METHOD:

Four vinylite manuscripts, T-9131, T-9132, T-9135, and T-9136, were joined together at the grid lines. Nine-lens, metal-mounted photographs were used in the plot. Mylar templates were prepared, except Nos. 23402, 23448, and 23450 through 23452. These templates were from the 1957 plot with the additional control added. The plot was begun at approximate latitude $60^{\circ} 49'$ and extended south to complete T-9135 and T-9136.

23. ADEQUACY OF CONTROL:

The additional control was very adequate. All stations held, except XENO 1948. It was within 0.4 mm.

24. SUPPLEMENTAL DATA:

None.

25. PHOTOGRAPHY:

The spacing and quality of the photographs were adequate for an accurate plot. A photogrammetric plot sketch is submitted with this report.

Note: See radial plot reports dated December 1956 and August 1957.

Submitted by:

Garnett S. Amburn

FEBRUARY 1960

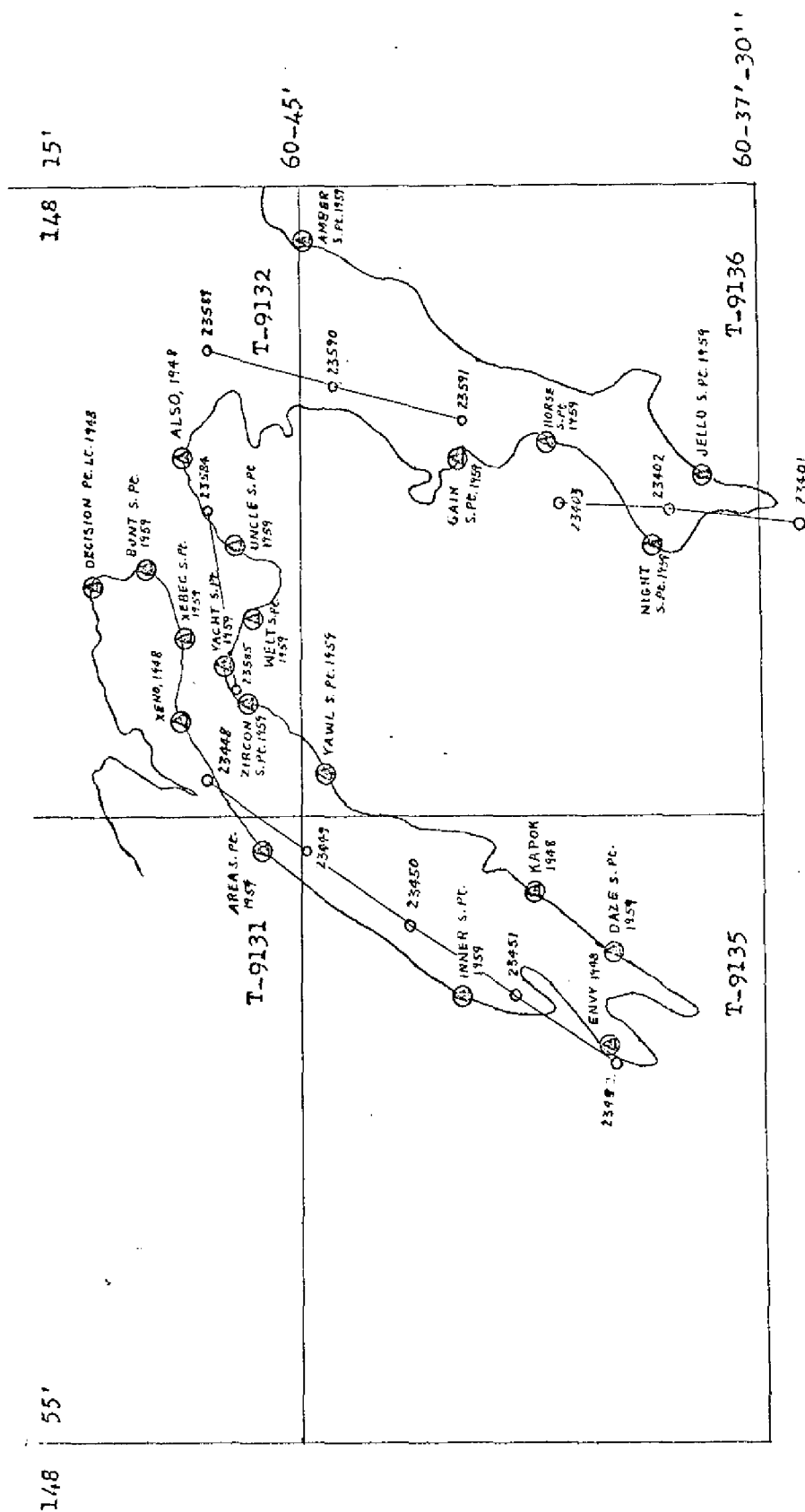
PROJECT PH-152

TRIANGULATION STATION RADIAL PLOT TOLERANCES

	<u>Station</u>		<u>Tolerance</u>
ALSO		1948	held
AMBER	Sub. Pt.	1959	held
AREA	Sub. Pt.	1959	held
BUNT	Sub. Pt.	1959	held
DECISION POINT LIGHT		1948	held
ENVY		1948	held
GAIN	Sub. Pt.	1959	held
HORSE	Sub. Pt.	1959	held
INNER	Sub. Pt.	1959	held
JELLO	Sub. Pt.	1959	held
KAPOK		1948	held
NIGHT	Sub. Pt.	1959	held
UNCLE	Sub. Pt.	1959	held
WELT	Sub. Pt.	1959	held
XEBEC	Sub. Pt.	1959	held
XENO		1948	0.4 mm north
YACHT	Sub. Pt.	1959	held
YAW	Sub. Pt.	1959	held
ZIRCON	Sub. Pt.	1959	held

PHOTOGRAMMETRIC PLOT SKETCH

PRINCE WILLIAM SOUND



⑥ CONTROL HELD IN THE RADIAL PLOT (FIELD)

⑦ CONTROL NOT HELD (FIELD)

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9136

PROJECT NO. PH-152

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE LONGITUDE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 304.8006 meter) FORWARD (BACK)
AMBER	Vol. VI, P. 29	N.A. 1927	60 44 55.176	1707.8
BEAUX	" 29	"	148 16 57.766	875.1
BONE	" 45	"	60 44 00.007	0.2
CABLE	" 29	"	148 17 46.482	704.5
FAITH	" 29	"	60 42 09.835	304.4
FAKE	" 31	"	148 15 12.404	188.2
FRAME	" 26	"	60 42 56.973	1763.4
GAIN	" 31	"	148 18 59.181	897.4
GLAND	" 29	"	60 41 30.779	952.7
GOB	" 31	"	148 22 55.105	836.3
HACK	" 31	"	60 43 17.953	555.7
HORSE	" 30	"	148 23 30.093	456.3
			60 44 21.624	669.3
			148 34 10.293	156.0
			60 42 26.220	811.6
			148 23 23.237	352.5
			60 41 30.102	931.7
			148 20 45.747	694.3
			60 43 05.66	175.2
			148 19 05.95	90.2
			60 39 36.392	1126.4
			148 21 25.331	384.8
			60 41 02.002	62.0
			148 22 47.715	724.3

COMPUTED BY

C.H.B.

DATE

7-14-70

CHECKED BY

L.F.B.

DATE

7-14-70

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9136 PROJECT NO. PH-152 SCALE OF MAP 1:20,000 SCALE FACTOR _____

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE LONGITUDE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter)	
				FORWARD	(BACK)
IDEA	Vol. VI, P. 31	N.A. 1927	60 37 38.778	1200.2	
IVORY	" 30	"	148 24 49.776	756.9	
			60 40 22.063	682.9	
JELLO	" 30	"	148 21 32.073	487.0	
			60 38 18.024	557.9	
KRAUT	" 30	"	148 24 22.453	341.3	
			60 38 35.255	1091.2	
LANKY	" 30	"	148 25 18.694	284.1	
			60 39 46.082	1426.3	
MATCH	" 30	"	148 24 43.221	656.5	
			60 39 17.875	553.3	
NIGHT	" 30	"	148 22 49.704	755.2	
			60 39 19.105	591.3	
PEAK NO. 57	" 73	"	148 26 05.630	85.5	
			60 38 47.15	1459.3	
PEAK NO. 59	" 73	"	148 32 55.18	838.6	
			60 40 46.53	1440.2	
PEAK NO. 71	" 78	"	148 34 00.58	8.8	
			60 42 03.62	112.0	
PEAK NO. 75	" 79	"	148 18 08.48	128.7	
			60 44 22.09	683.7	
PEAK NO. 76	" 79	"	148 24 03.47	52.6	
			60 43 54.69	1692.8	
COMPUTED BY	DATE	CHECKED BY	DATE		
G.H.B.	7-14-70	L.F.B.	7-14-70		

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9136 PROJECT NO. PH-152 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE LONGITUDE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 ft. = 3048006 microns) FORWARD (BACK)
PEAK NO. 77	Vol. VI, P. 79	N.A. 1927	60 44 43.11	1334.3
PEAK NO. 78	" 79	"	148 30 10.57	160.1
PEAK NO. 89	" 81	"	60 38 03.67	113.6
PEAK NO. 93	" 81	"	148 34 38.14	579.8
PEAK NO. 94	" 81	"	60 38 36.52	1130.3
PEAK NO. 95	" 81	"	148 22 17.49	265.8
PEAK NO. 96	" 81	"	60 40 19.30	597.4
PRIZE	" 29	"	148 27 47.82	726.1
YAWL	" 27	"	60 40 24.28	751.5
			148 19 31.63	480.3
			60 43 44.35	1372.7
			148 16 26.52	402.0
			60 40 18.06	559.0
			148 26 55.70	845.9
			60 40 46.30	1433.0
			148 34 01.13	17.2
			60 44 35.665	1103.9
			148 21 32.391	490.8
			60 44 44.807	1386.9
			148 32 53.172	805.6
COMPUTED BY C.H.B.	DATE 7-14-70	CHECKED BY L.F.B.	DATE 7-14-70	20

COMPILATION REPORT
MARS T-9135, T-9136, AND T-9137
PROJECT PH-152

There was no compilation report for these maps available
at the time of final review.

August 21, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-152 (Alaska)

T-9136

Blackstone Bay

Chugach National Forest

Cochrane Bay

Culross Passage

Long Bay

Surprise Cove

Tebenkof Glacier

Approved by:

A. Joseph Wright
A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

Project Ph-152
Prince William Sound

Notes to the Hydrographer for
T-9131, T-9132, T-9135 and T-9136

Surveys T-9131, T-9132 and a portion of T-9135 and T-9136 were compiled in 1950-51 to include contours. In 1958 the compilation of shoreline was extended southward to the head of Blackstone Bay and of Cochrane Bay.

Datum for these surveys was established by photogrammetric plots based on field identified and office identified control stations. The datum is considered final.

Nine-lens photographs taken in 1947 and 1948 were used for base compilation. In addition, infra-red single lens photographs were used to supplement the nine-lens photographs. These single lens photographs were not included in the plot.

Paper prints of nine-lens photographs have been prepared with pass points for use by the hydrographic party in positioning hydrographic stations by photogrammetric methods and in completing field inspection. Prints of the infra-red photographs ratioed to the scale of the manuscripts are also available for field inspection. The field party should verify the compilation of all shoreline features if practicable.

Everett H. Ramey
Chief, Graphic Compilation Unit

PHOTOGRAMMETRIC OFFICE REVIEW

T-9135, 9136, 9137.

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☒ 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒
40. ☒

41. Remarks (see attached sheet)

Louis Reed, Chief
Supervisor, Review Section or Unit
Stereoscopic Mapping Section

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:

FIELD EDIT REPORT

MAP T-9136

PROJECT PH-152

No Field Edit Report for this map was available at the time of final review.

REVIEW REPORT T-9136

TOPOGRAPHIC

JULY 27, 1970

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print (pages 27 through 34), with differences noted in Items 63, 64, and 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No registered topographic surveys of the area were available for comparison.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle SEWARD (C-4), ALASKA, scale 1:63,360, dated 1952. Differences between this map and T-9136 are shown with brown pencil on the comparison print.

In order to compare, the U.S.G.S. map was enlarged more than three times. The general trend of the shoreline is the same, but, because of scale difference, there are position discrepancies in many places.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a verified copy of H-8608, dated June 1961. Only part of T-9136 was covered by this survey - Long Bay and a small section of Culross Passage. Differences between T-9136 and H-8608 are shown in purple on the comparison print.

Shoreline compared well; some rocks that are not visible on the photographs were shown on H-8608.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8517, scale 1:80,000, 9th edition, dated April 28, 1969. Differences between this chart and T-9136 are shown in red on the comparison print.

The chart was enlarged four times for comparison. There are large shoreline discrepancies.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with Job Instructions, Bureau requirements, and the National Standards for Map Accuracy. No accuracy tests were run in the field.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer
July 27, 1970

Approved by:

Allen L. Powell
Allen L. Powell, RADM, USESSA
Director, Atlantic Marine Center

Approved by:

Charles L. Turner *Jack E. Luth*
Chief, Photogrammetric Branch ^{p⁹} Chief, Photogrammetry Division

L-2136

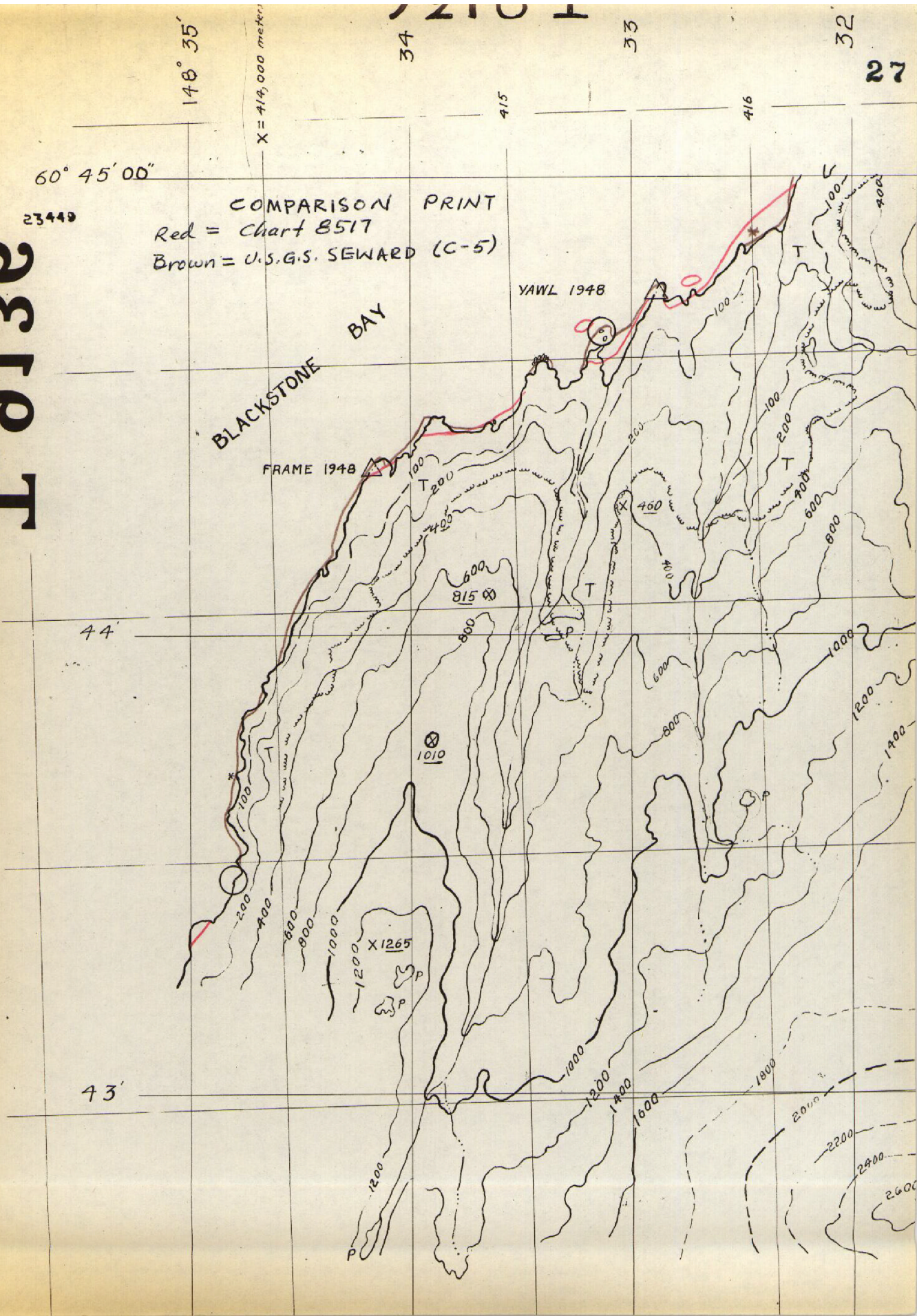
23449

COMPARISON PRINT
Red = Chart 8517
Brown = U.S.G.S. SEWARD (C-5)

BLACKSTONE BAY

FRAME 1948

YAWL 1948



60° 45'

SURPRISE COVE

PEAK NO 75, 1948
VABM 2014

FAKE 1948

Rks not visible on photos

60° 43'

COMPARISON PRINT

Red = chart 8517
Brown = U.S.G.S. Quad SEWARD (C-4)

Red = Chart 8517
Brown = U.S.G.S. Quad SEWARD (C-4)

29

23591

GAIN 1948

* ← Rk not visible
on photo

60° 42'

FAITH 1948

* HORSE 1948

14'

41'

23403

COMPARISON PRINT

Red = Chart 8517

Brown = U.S.G.S. Quad SEWARD (C-4)

* ← Rk not visible
on photos

60° 40'

LANKY 1948

5'

25'

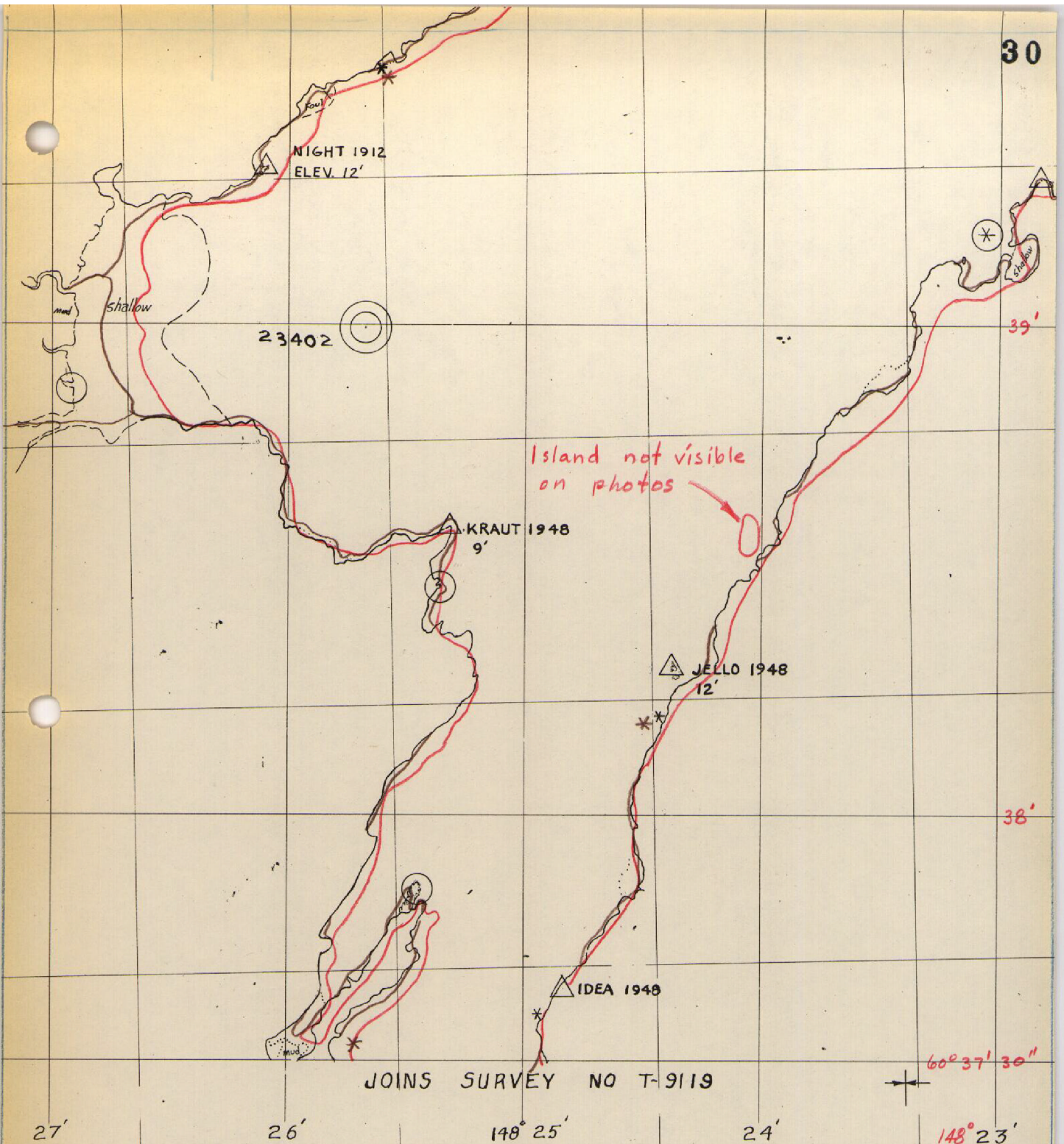
26' 149° 26'

24'

148° 23'

22'

30



23401

COMPARISON PRINT

Red = chart 8517

Brown = U.S.G.S. Quad SEWARD (C-4)

NOTE: Unlabeled plot points; n

148° 22'

21'

20'

148° 19'

60° 43'

COMPARISON PRINT

Red = chart 8517

Brown = U.S.G.S. Quad SEWARD T(C-4)

Rk not visible
on photosPosition not in
agreement with
rocks visible
on photos

23591

FAITH 1948

HORSE 1948
14'

GLAND 1948

X 545

CHUGACH

410 P

X 520

X 500

240

P

365

150

X X

1505

60° 41'

op
op

PEAK NO. 94, 1948 \triangle
1801'

IVORY, 1948
14'

HACK, 1948

MATCH 1948
63'

\triangle PEAK NO. 89, 1948
1421'

COMPARISON PRINT

Red = chart 8517

Brown = U.S.G.S. Quad SEWARD (C-4)

60° 40'

39'

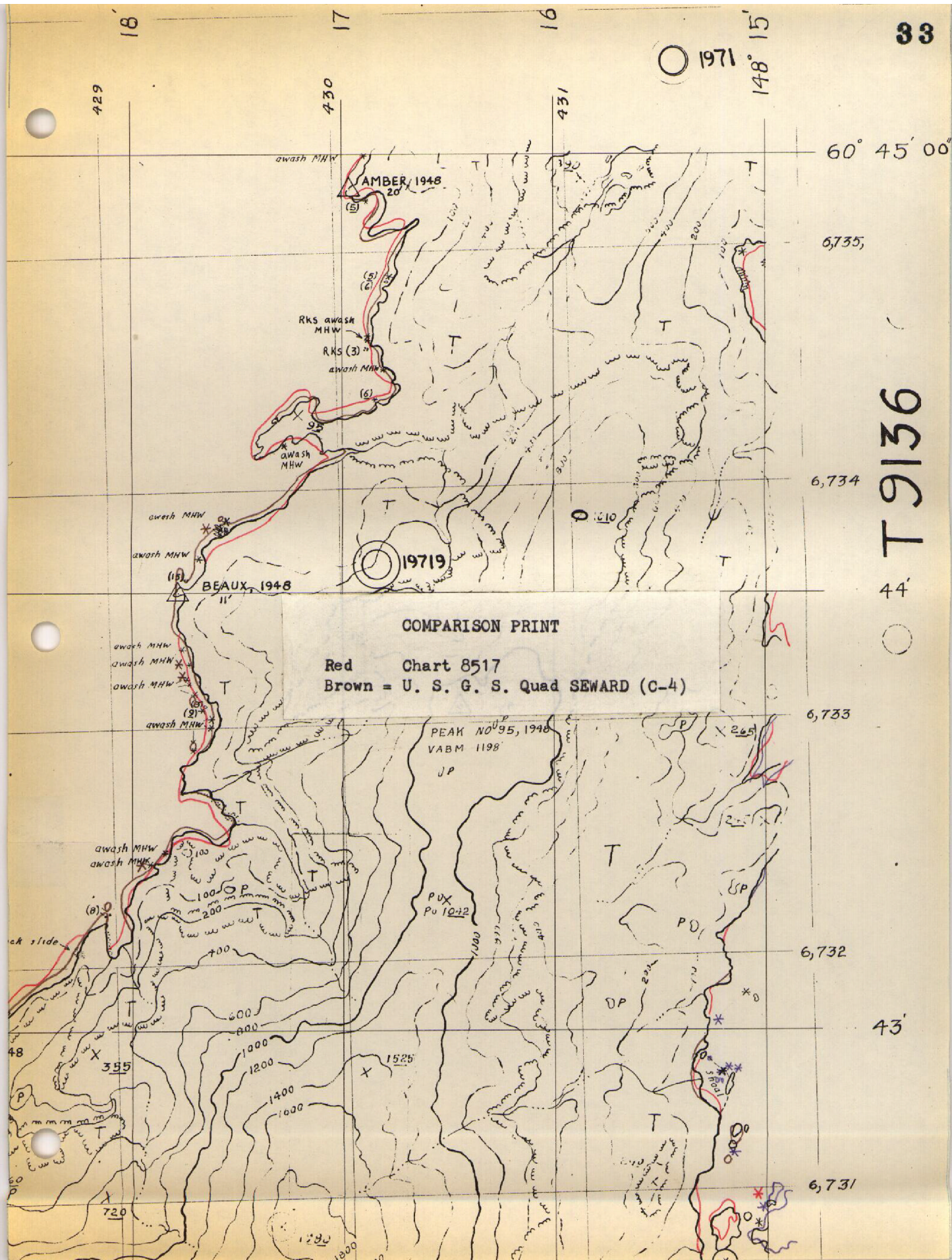
60° 38'

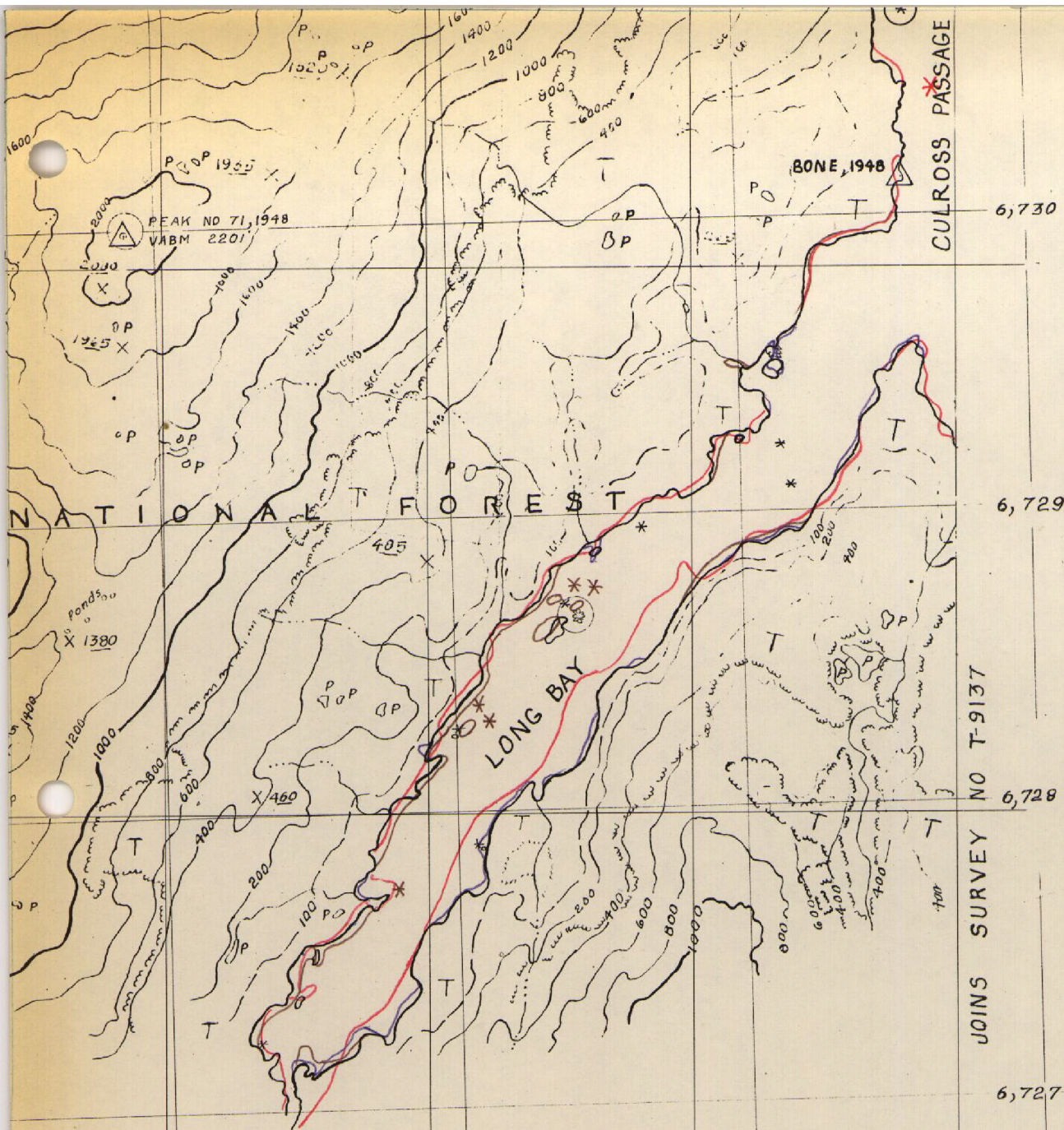
148° 22'

21'

20'

148° 19'





42'

41'

40'

COMPARISON PRINT

Red = chart 8517
Brown = U.S.G.S. Quad SEWARD (C-4)

148° 18'

17'

16'

148° 15'