

9137

9137

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No.	Office No. T-9137
LOCALITY	
State	ALASKA
General locality	PRINCE WILLIAM SOUND
Locality	CULROSS ISLAND
19 ⁴⁸ - 58	
CHIEF OF PARTY	
Glendon E. Boothe, Field	
Hubert A. Paton, Baltimore Photo Office	
Louis J. Reed, Washington Office	
LIBRARY & ARCHIVES	
DATE	

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 (S) 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 of ~~Stones Rock~~
Control extension by (III):Frank J. Tarozza
Robert L. SugdenDate: 7 Jun 50
Dec 56delineation by
Stereoscopic Instrument ~~and~~ (III):Planimetry Louis Levin
and and
Contours Clarence E. MisfeldtDate: 21 Sep 50
Date:compilation
Manuscript ~~checked~~ by (III):Louis Levin and
John B. McDonald

Date: 30 Jan 51

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 Office~~ Review by (IV): Charles H. Bishop

Date: 8-03-70

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:

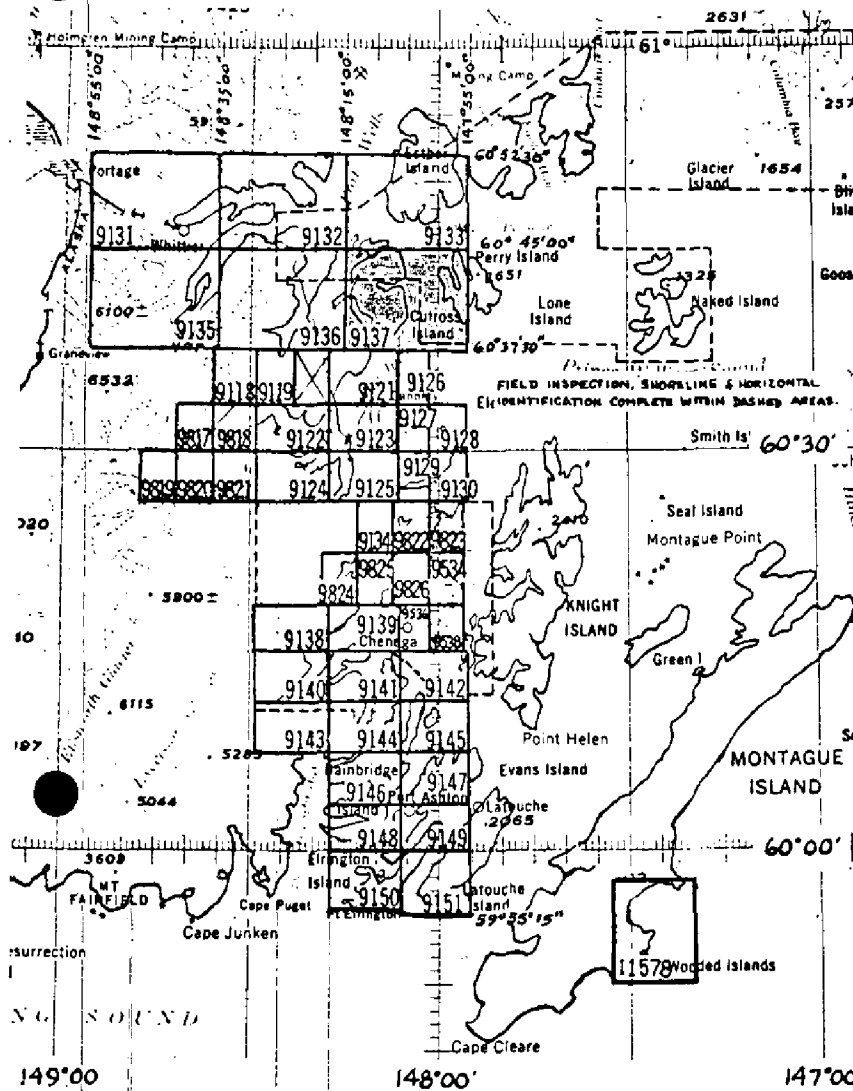
	<u>T-9135</u>	<u>T-9136</u>	<u>T-9137</u>
Land Area =	5 sq mi	31 sq mi	19 sq mi
Shoreline =	3 miles	28 miles	38 miles

T-9137

COMPILATION RECORD	COMPLETION DATE	REMARKS
Contours and shoreline 1951	1951	Superseded
Shoreline completed	1957	
Final review	1970	

SHORELINE MAPPING PROJECT PH - 152

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	8
9128	5	3
9129	7	8
9130	14	6
9131	12	95
9132	48	50
9133	36	45
9134	5	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-9137

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. The remaining area, south of latitude 60° 41', was compiled in 1956 or 1957 by radial plot, using single-lens photographs taken in 1954. This compilation was photographically reduced and transferred to the 1:20,000 scale map.

Topography on this map is incomplete; no contours were mapped south of latitude 60° 41' or east of Culross Island.

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 7½ minutes in latitude by 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, Cochrane 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-9137****PROJECT PR-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.

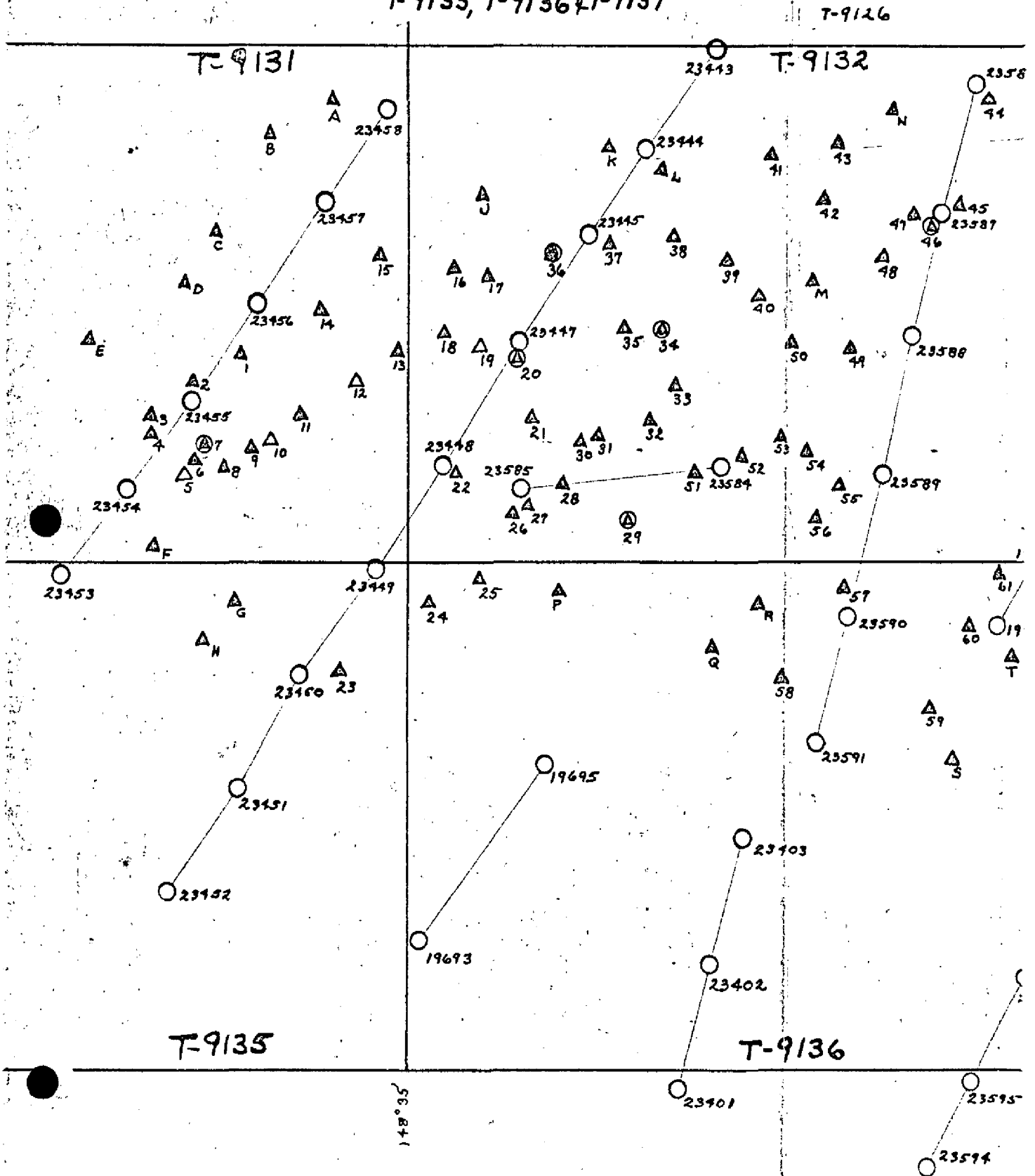
July 15, 1970

LAYOUT SKETCH

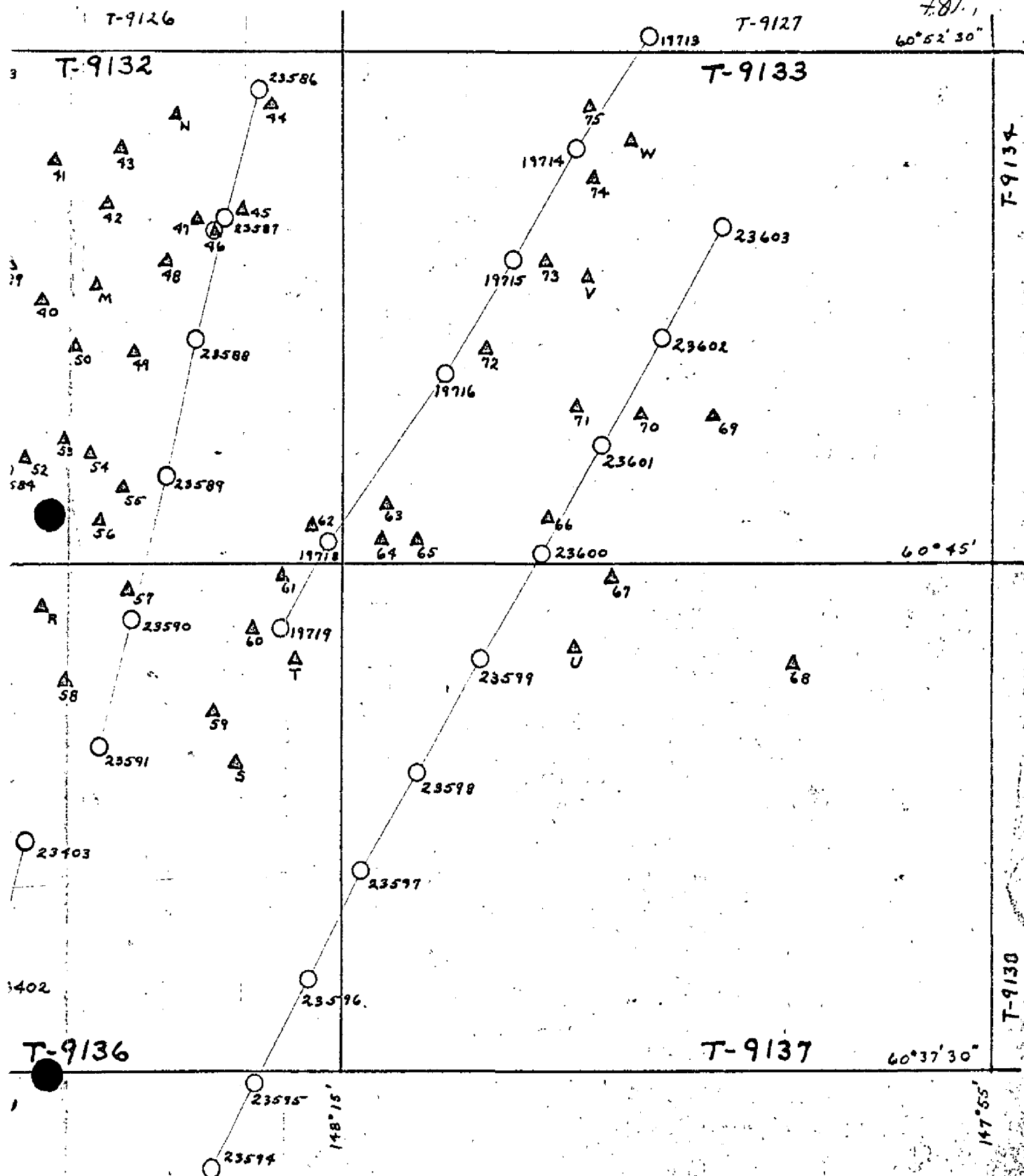
PROJECT PH-39 (48)

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

10



- 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 27340 (6152)
December 1956

21. Area covered. This is a 1:10,000 scale plot to furnish control for the compilation of shoreline on T-9137 in the area of Culross Pass and Culross Island (southern part). The plot was extended to reach control on T-9121, T-9133 and T-9136.

22. Method. Vinylite manuscripts (1:10,000 scale) with polyconic projection and UTM grid lines were used as base sheets for the plot. The grid lines were used in joining the base sheets. After compilation, the required area of shoreline will be reduced photographically and transferred to the 1:20,000 scale manuscript for T-9137.

Positype prints of Coast and Geodetic Survey single-lens photographs taken in 1954 were used throughout the plot. Vinylite hand templets were constructed to correct for paper distortion.

Control was sufficient at the north and south ends of the plot to set individual templets. With these well controlled templets as the basis, the plot was extended over the area. The plot tied in to common control and pass points with the plot to the south. New positions were obtained for pass points in the area of triangulation station REBEL, 1948. These were changed on the manuscript.

Tilt was apparent in photograph 2515 giving some trouble with the laying of the plot. The templet was redrawn using a new center which was determined by an approximate computation. This held reasonably well.

23. Adequacy of Control. The control for the portion of the plot covering the area to be ~~computed~~ *compiled* on T-9137 was good. The area to the westward on T-9136 is weaker due to a scarcity of well-identified control and poor photographic coverage. Positions here will be strengthened by a subsequent plot for this area.

Stations not held closely are discussed below:

-2-

Station "Bone 1948" evidently was misidentified in the field. Another feature which corresponds to the description of the substitute station agreed closely with the plotted position.

Sub. Sta. "Lapel 1948." Three points were pricked by the field party indicating a doubtful identification. Station was missed in the plot by 0.6 mm.

Sub. Sta. "Gland 1948" was reidentified in the office and held to within 0.5 mm of the plotted position. Some tilt was evident.

Station "Catch RM2, 1912." This station was misidentified - on a similar feature which fell approximately 300 meters south. The station was reidentified on two photographs after the plot was completed and checked closely to the plotted position.

24. Supplemental Data: None.

25. Photography: The spacing and quality of the photographs was adequate for an accurate plot. Photograph "54W2515" was badly tilted which contributed to an area of weakness.

Submitted by:

Robert L. Sugden
Robert F. Sugden, Cartographer
L

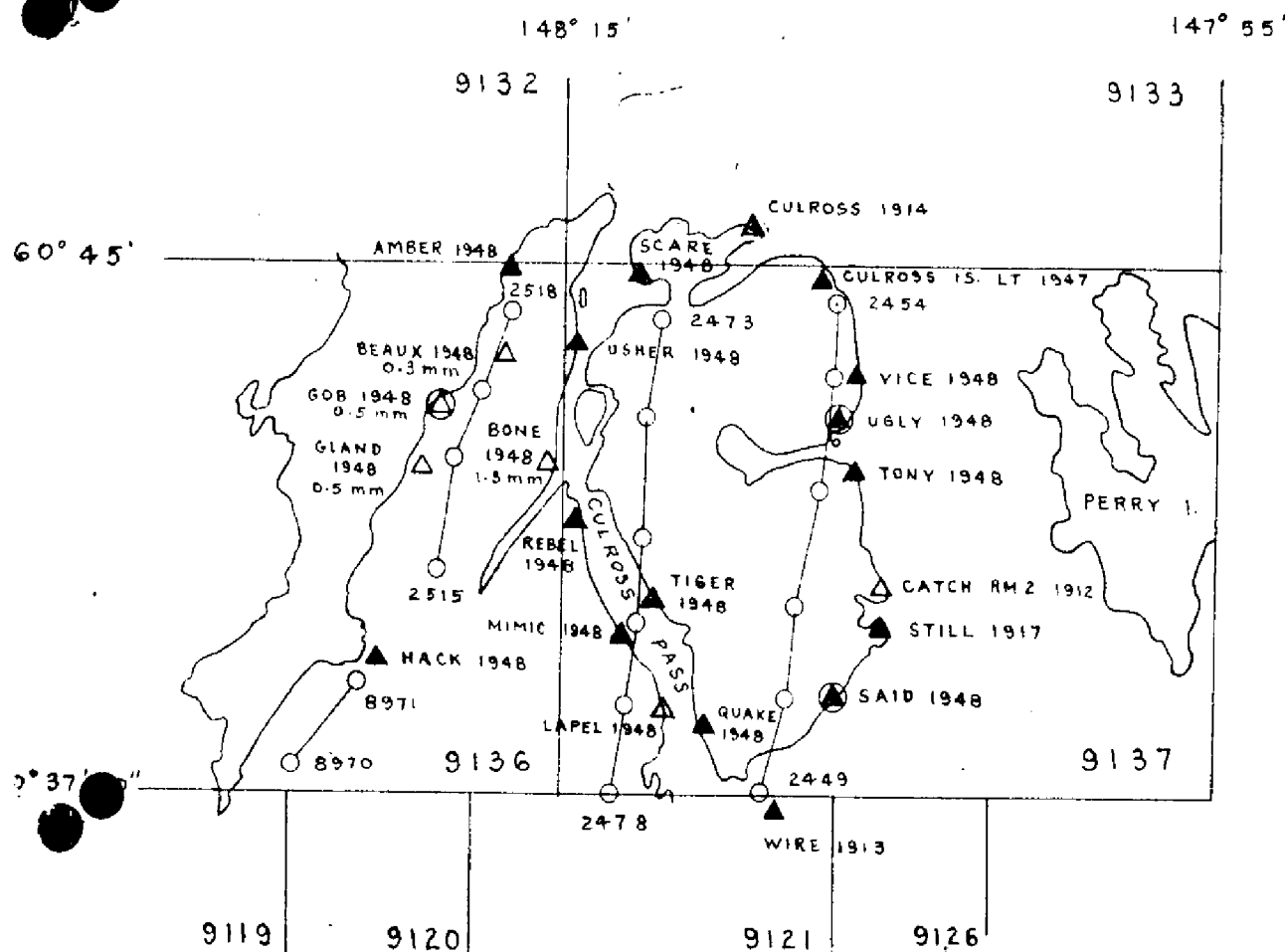
Approved:

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

December 1956
Project 27340 (6152)
Triangulation Station Radial Plot Tolerances

Station	Tolerance	Remarks
Rebel, 1948 (Sub Pt) T-9137	held	
Scare, 1948 9137	held	
Culross Is. Lt, 1947 9137	held	
Usher, 1948 (Sub Pt) 9137	held	
Vice, 1948 (Sub Pt) 9137	held	
Ugly, 1948 (Sub Pt) 9137	held	(Home Sta. positively identified and held)
Tony, 1948 (Sub Pt) 9137	held	
Tiger, 1948 (Sub Pts) 9137	held	
Mimic, 1948 (Sub Pt) 9137	held	2 rays
Lapel, 1948 (Sub Pt) 9137	0.6mm S.E.*	
Quake, 1948 (Sub Pt) 9137	held	
Catch RM 2, 1912 9137	approx. 30 mm.S.*	
Still, 1917 (Sub Pt) 9137	held	
Said, 1948 9137	held	
Amber, 1948 (Sub Pt) 9136	held	(Sub Pt. 0.5mm.)
Beaux, 1948 9136	0.3 mm	(3 rays, 2 held)
Gob, 1948 9136	0.5 mm	(2 rays)
Gland, 1948 (Sub Pt) 9136	0.5 mm*	(2 rays)
Bone, 1948 9136	1.3 mm S.E.*	
Hack, 1948 9136	held	
Wire, 1913 (Sub Pt) 9121	held	
Culross, 1914 9133	held	

* Discussed under sub-heading 23.



Photogrammetric Plot Sketch
 Prince William Sound
 Project 27340
 Dec. 1956

- ▲ Control held in the radial plot (Field)
- △ Control not held (Field)
- ⊙ Control held (Office)
- ⊖ Control not held (Office)

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9137 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)
ABOVE	Vol. VI, P. 32	NA 1927	60 43 28.690	888.0	
			148 01 04.201	63.7	
BOB	" 5	"	60 44 12.857	397.9	
			148 06 06.540	99.1	
BROWN	" 32	"	60 41 15.323	474.3	
			147 59 55.966	849.5	
CAMEL	" 32	"	60 41 22.079	683.4	
			148 00 01.095	16.6	
CATCH	" 92	"	60 40 37.515	1161.2	
			148 05 11.758	178.5	
COLON	" 45	"	60 43 39.335	1217.5	
			148 13 36.570	554.4	
CULROSS ISLAND LIGHT	" 51	"	60 44 52.446	1623.3	
			148 06 41.333	626.2	
FLAG	" 33	"	60 44 11.457	354.6	
			148 00 17.501	265.2	
HOLE	" 33	"	60 42 51.227	1585.6	
			148 00 24.019	364.2	
HOLLOW	" 5	"	60 44 30.565	946.0	
			148 00 25.808	391.0	
INKY	" 33	"	60 42 15.090	467.1	
			147 59 58.230	883.3	
LAPEL	" 44	"	60 39 00.145	4.5	
			148 12 05.588	84.2	
COMPUTED BY C.H.B.	DATE 7-30-70	CHECKED BY L.F.B.	DATE 7-30-70		

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9137

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)
MIMIC	1948	Vol. VI, P. 44	NA 1927	60 39 50.672	1568.4
NAT	1899	" 64	"	148 13 19.053	289.4
PEAK NO. 22	1914	" 85	"	60 43 29.46	911.8
PEAK NO. 61	1948	" 77	"	148 01 04.52	68.5
PERRY ISLAND LIGHT	1948	" 34	"	60 42 19.53	604.5
QUAG	1948	" 34	"	148 11 58.58	888.6
QUAKE	1948	" 44	"	60 43 46.68	1444.8
REBEL	1948	" 44	"	148 07 59.18	897.1
REST	1948	" 33	"	60 39 19.832	613.8
ROCK	1912	" 32	"	147 55 49.828	757.0
SAID	1948	" 34	"	60 40 23.185	717.6
SOLAR	1948	" 44	"	147 55 25.263	383.6
COMPUTED BY	C.H.B	DATE	7-30-70	60 38 49.816	1541.9
CHECKED BY	L.F.B.	DATE	7-30-70	148 10 50.268	763.9
				60 41 29.278	906.2
				148 14 26.642	404.3
				60 40 26.086	807.4
				147 58 09.577	145.4
				60 39 15.736	487.1
				147 55 51.000	774.9
				60 38 54.665	1692.0
				148 06 24.841	377.5
				60 41 26.909	832.9
				148 13 27.275	413.9

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9137 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 meters) FORWARD (BACK)
STILL	Vol. VI, P. 35	NA 1927	60 39 43.215	1337.6
			148 05 19.952	303.1
TIGER	" 44	"	60 40 13.894	430.0
			148 12 14.307	217.3
TONY	" 33	"	60 41 58.001	1795.2
			148 05 46.159	700.3
UGLY	" 33	"	60 42 41.005	1269.2
			148 06 30.672	465.2
USHER	" 45	"	60 43 52.350	1620.3
			148 14 26.940	408.3
VICE	" 33	"	60 43 21.099	653.1
			148 05 59.093	895.9
COMPUTED BY C.H.B.	DATE 7-30-70	CHECKED BY L.F.B.	DATE 7-30-70	14 00

COMPILATION REPORT

MAPS 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-9137

Chugach National Forest

Culross Island

Culross Passage

Goose Bay

Hidden Bay

Perry Passage

Culross Bay

Approved by:

A. Joseph Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER:

There were no Notes for the Hydrographer available at the time of final review.

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. ☒ Reviewer

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

FIELD EDIT REPORT**MAP T-9137****PROJECT PH-152**

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

REVIEW REPORT T-9137

TOPOGRAPHIC

AUGUST 3, 1970

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print (pages 25 through 32), with differences noted in Items 63 through 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey No. 3278, scale 1:20,000, dated 1912, and No. 3426, scale 1:20,000, dated 1913. Differences between these maps and T-9137 are shown with blue pencil on the comparison print.

Large discrepancies in shoreline placement were noted in the vicinity of Hidden Bay, just south of station CATCH 1912, and at the south end of Culross Island.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles SEWARD (C-3) and (C-4), ALASKA, both 1:63,360 scale, and both dated 1952. Differences between these maps and T-9137 are shown on the discrepancy print with brown pencil.

In view of the fact that the U.S.G.S. maps were enlarged more than three times for comparison, the maps compared well. However, a rock shown on the SEWARD (C-4) sheet at latitude $60^{\circ} 38.15'$, longitude $148^{\circ} 08.6'$ is not visible on the photographs and is not believed to exist. Chart 8517 shows a depth of 58 fathoms at this location.

REVIEW REPORT T-9137

TOPOGRAPHIC

AUGUST 3, 1970

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

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Large discrepancies in shoreline placement were noted in the vicinity of Hidden Bay, just south of station CATCH 1912, and at the south end of Culross Island.

T-9137 supersedes previous topographic surveys for chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles SEWARD (C-3) and (C-4), ALASKA, both 1:63,360 scale, and both dated 1952. Differences between these maps and T-9137 are shown on the discrepancy print with brown pencil.

In view of the fact that the U.S.G.S. maps were enlarged more than three times for comparison, the maps compared well. However, a rock shown on the SEWARD (C-4) sheet at latitude $60^{\circ}38.15'$, longitude $148^{\circ}08.6'$ is not visible on the photographs and is not believed to exist. Chart 8517 shows a depth of 58 fathoms at this location.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a verified copy of H-8608, scale 1:10,000, dated June 1961. Differences between this survey and T-9137 are shown on the comparison print with a purple pencil. Culross Bay and part of Culross Passage were covered by this survey. Also with H-8607.

Shoreline discrepancies of as much as 2 mm were noted.

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-9137 are shown in red on the comparison print.

In most areas shoreline and alongshore features compare well, but there are large discrepancies in shoreline around Hidden Bay. Also there are shoreline discrepancies on the east side of Culross Island in the vicinity of latitude 60° 40'.

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
August 3, 1970

Approved by:

Allen L. Powell

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

Approved by:

Charles L. Thuman
Chief, Photogrammetric Branch

Jack E. Luth
Chief, Photogrammetry Division

CORA
1948

COMPARISON PRINT

25

Red = Chart 8517
Brown = U.S.G.S. SEWARD (C-4)
Purple = H-8608

60° 45' 00"

148° 15'

X = 432,000 meters
UTM

16

14

13

12

CULROSS
PASSAGE

CULROSS
PASSAGE

44'

USHER 1948
(ELEV II)

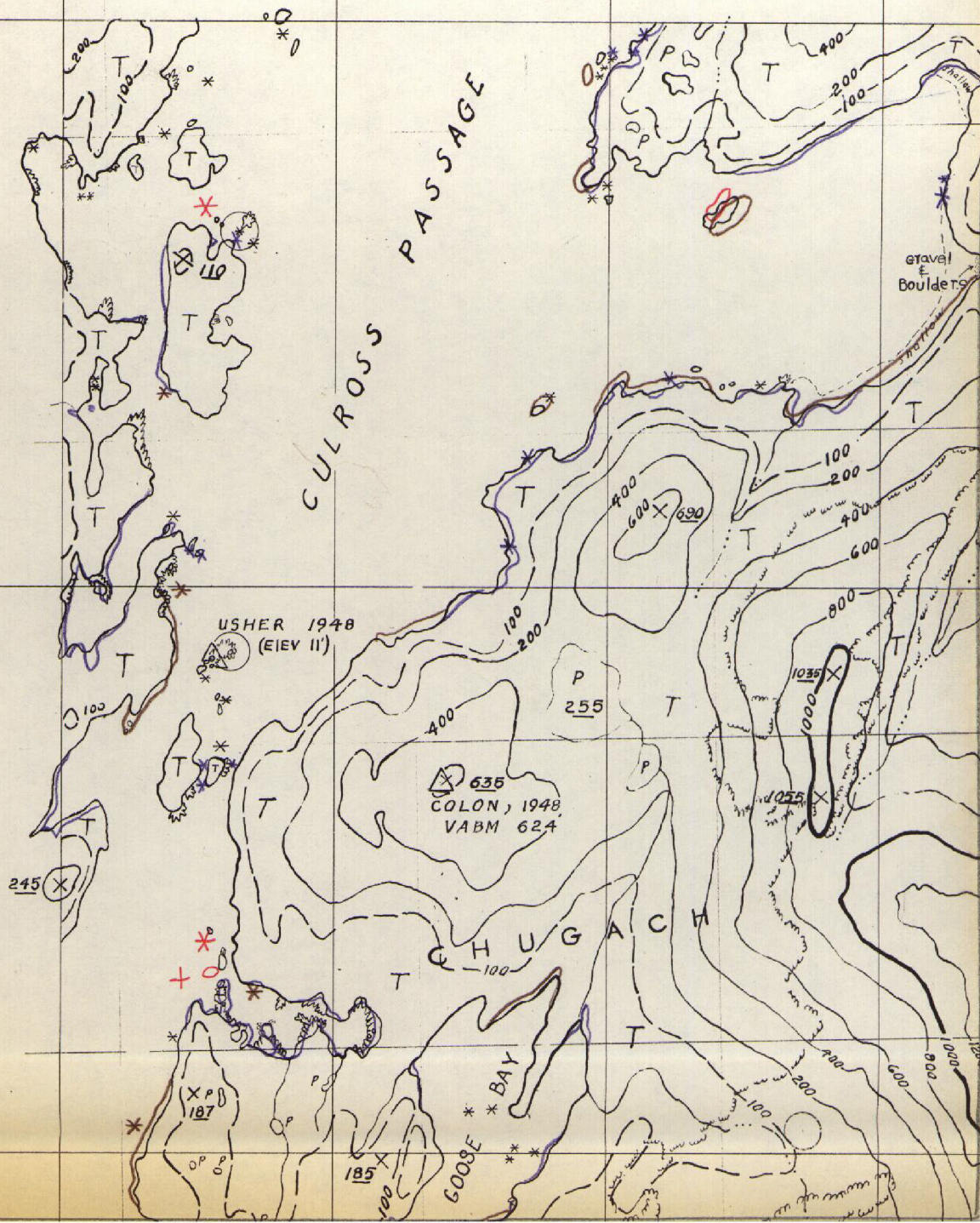
635
COLON, 1948
VABM 624

CHUGACH

GOOSE
BAY

Gravel
&
Boulders

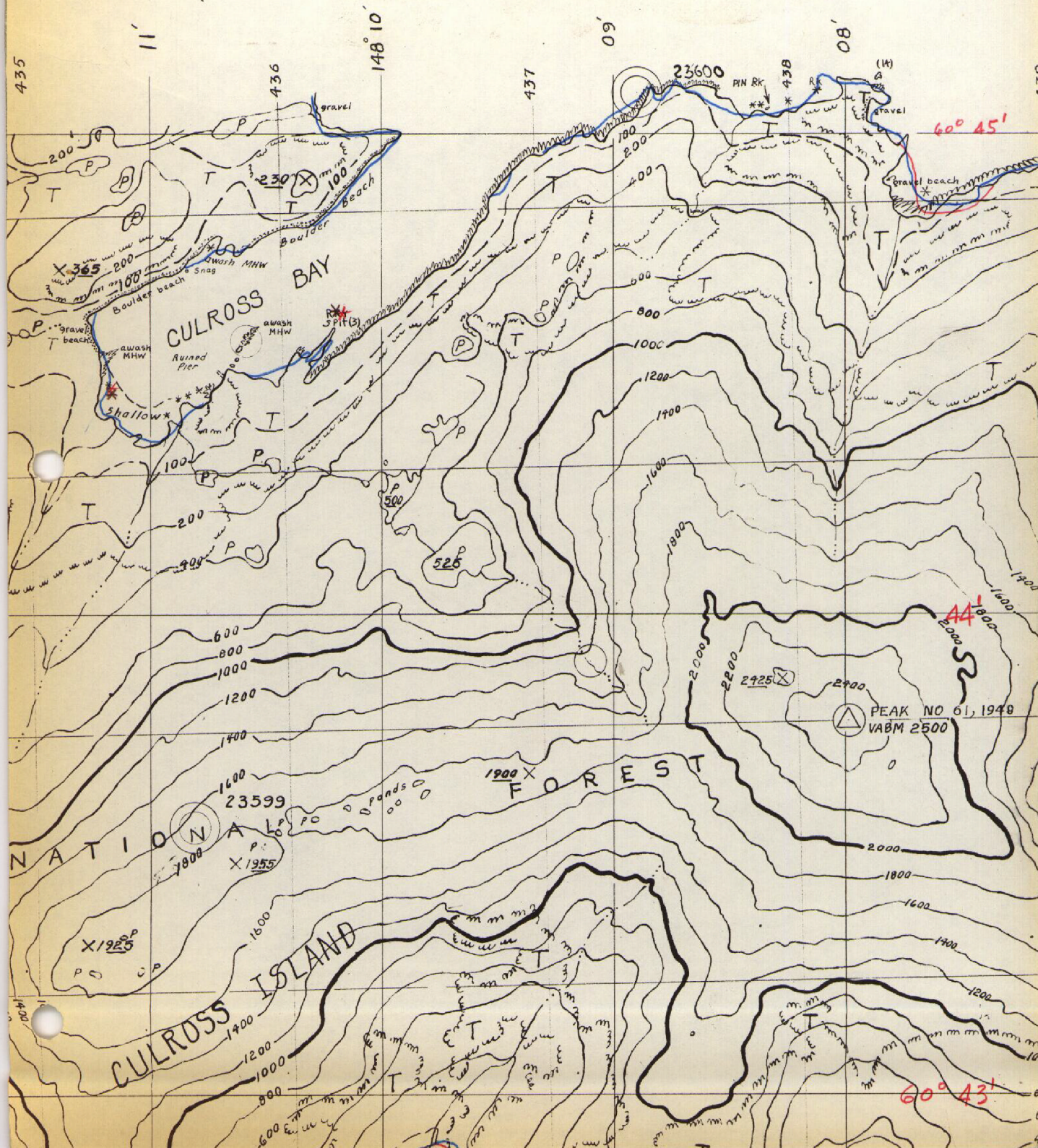
43'



COMPARISON PRINT

26

Red = Chart 8517
Brown = U.S.G.S. SEWARD (C-4)
Blue = T-3278



JOINS SURVEY NO T-9133
60° 45'

CULROSS ISLAND
(CULROSS ISLAND LT 1947)

COMPARISON PRINT

Red = Chart 8517
Brown = U. S. G. S. SEWARD (C-3)
Blue = T-3278 and T-3426

BOB 1912
(ELEV 19')

T-3278



T-3426

Approx. MHWL

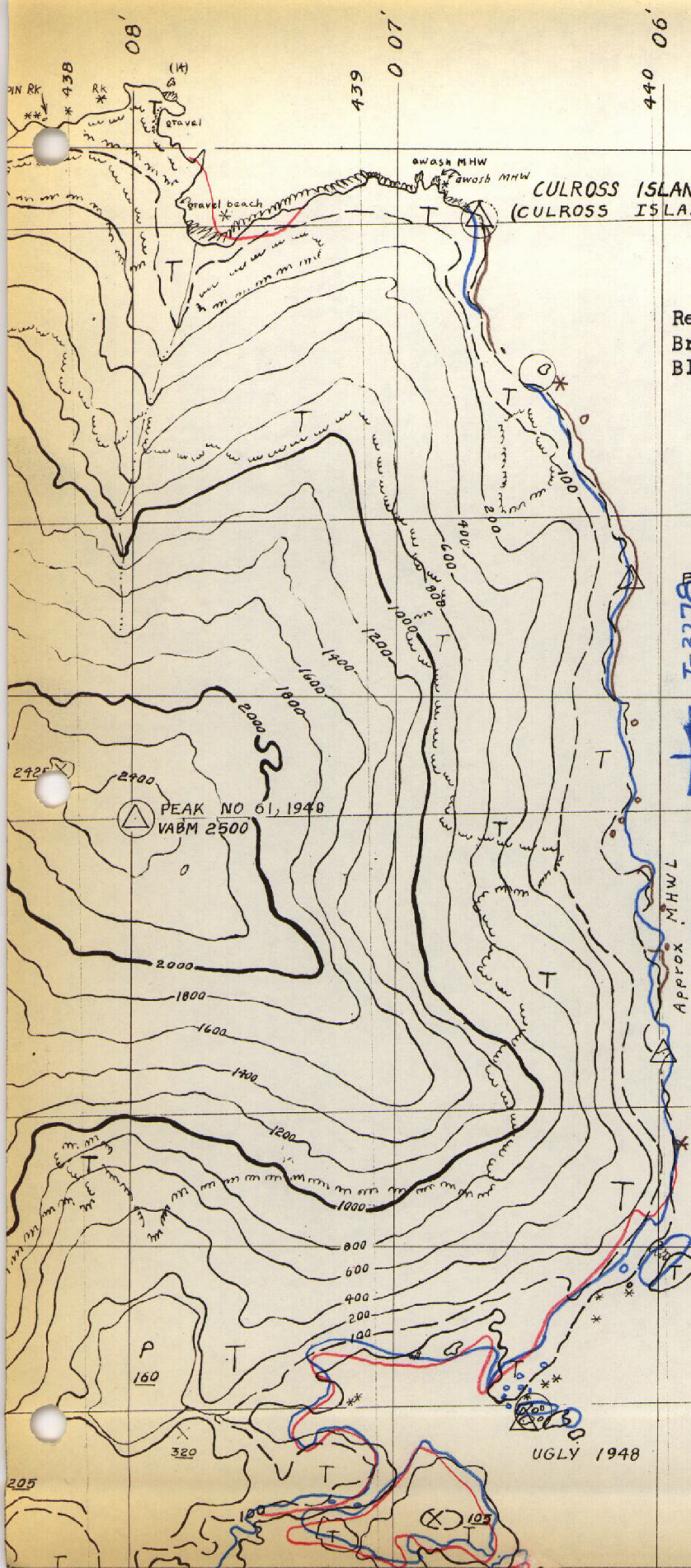
VICE 1948

UGLY 1948

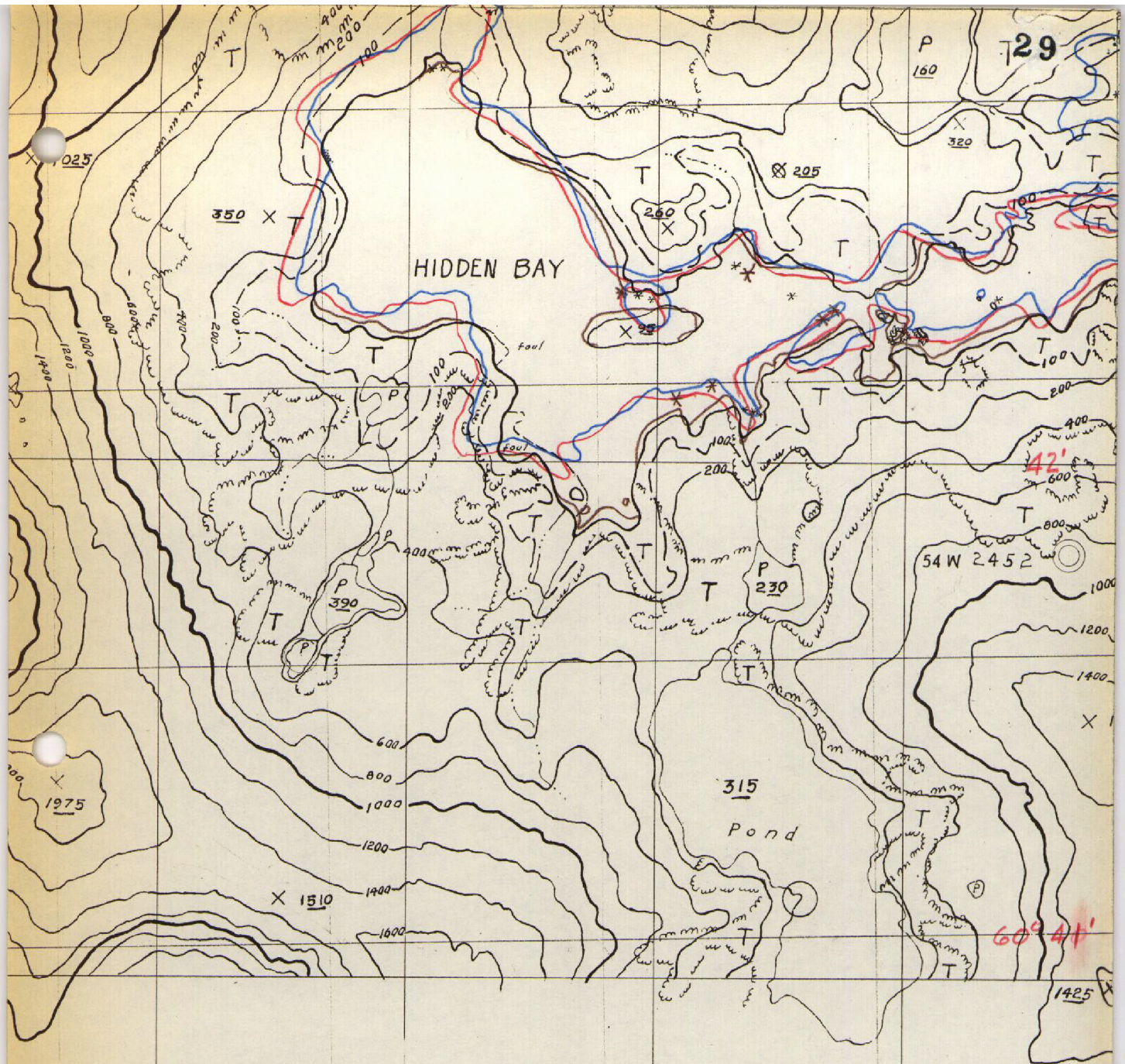
P
E
R
R

60° 43'

P



148° 12'



COMPARISON PRINT

Red = Chart 8517
 Brown = U.S.G.S. SEWARD (C-4)
 Blue = T-3426

54 W 2451

148° 11'

10'

09'

148° 08'

30 A

 $60^{\circ} 42'$

TONY, 1948

COMPARISON PRINT

Red = Chart 8517
Brown = U.S.G.S. SEWARD (C-3)
Blue = T-3426

41

CATCH 1912 EI 29'
CATCH RM 2 1912

54W-2451

 $60^\circ 40'$

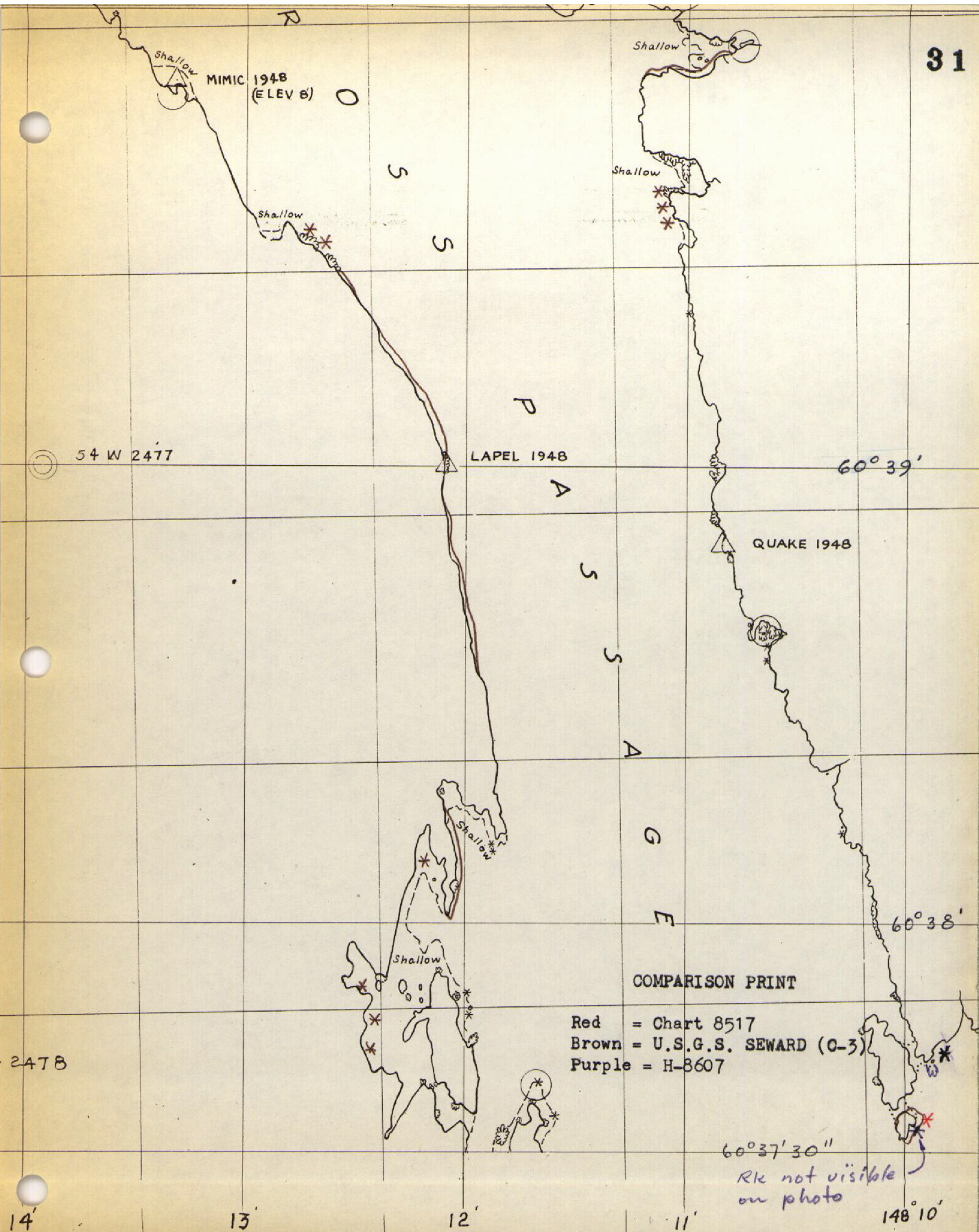
STILL 1917

148° 05'

68'

07'

06'



32

54 W 2450

COMPARISON PRINT

Red = Chart 8517
 Brown = U.S.G.S. SEWARD (C-4)
 Blue = T-3426
 Purple = H-8607

60°39'
SAID 1948Not visible
on photos.Also on H-8607
Not visible on
photos

60°38'

PORT
NELLIE

54 W-2449

WIRE 1948
Sub Pt

148°10'

09'

08'

07'

148°06'