

9132

9132

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Office No. T - 9132

LOCALITY

State ALASKA

General locality PRINCE WILLIAM SOUND

Locality PASSAGE CANAL

1948 - 51

CHIEF OF PARTY

Glendon E. Boothe - Field
Hubert A. Paton - Baltimore Photo Office
Louis J. Reed - Washington Office

LIBRARY & ARCHIVES

DATE

T-9132

USCOMM-DC 36393A-P66

DESCRIPTIVE REPORT - DATA RECORD

T-9132

FIELD INSPECTION BY (I):		DATE:
Glendon E. Boothe		1949
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
1949		
Compiled from aerial photographs taken in 1947 and 1948		
PROJECTION AND GRIDS RULED BY (IV):		DATE
T. L. Janson		8-15-50
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
CONTROL PLOTTED BY (III):		DATE
CONTROL CHECKED BY (III):		DATE
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
F. J. Tarcza		6-7-50
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	L. Levin and C. Misfeldt	1950
	CONTOURS	DATE
	L. Levin and C. Misfeldt	1950
MANUSCRIPT DELINEATED BY (III):		DATE
J. B. McDonald		1950
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
L. J. Reed		1951
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

T-9132

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
19718	27 June 1947	11:54	1:20,000	6 ft. above MLLW
23444, 23445, 23448	2 Sept. 1948	13:42	1:20,000	11 ft. above MLLW
23584 thru 23589	3 Sept. 1948	10:20	1:20,000	6 ft. above MLLW

TIDE (III) (PREDICTED)

Diurnal

	RATIO OF RANGES	MEAN RANGE	EXTREME RANGE
REFERENCE STATION: Cordova			
SUBORDINATE STATION: Whittier, Passage Canal		9.7	12.1
SUBORDINATE STATION:			

Atlantic Marine Center
WASHINGTON REVIEW BY (IV): Charles H. Bishop

DATE: 6-17-70

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II):

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

Linear Miles of shoreline: 48

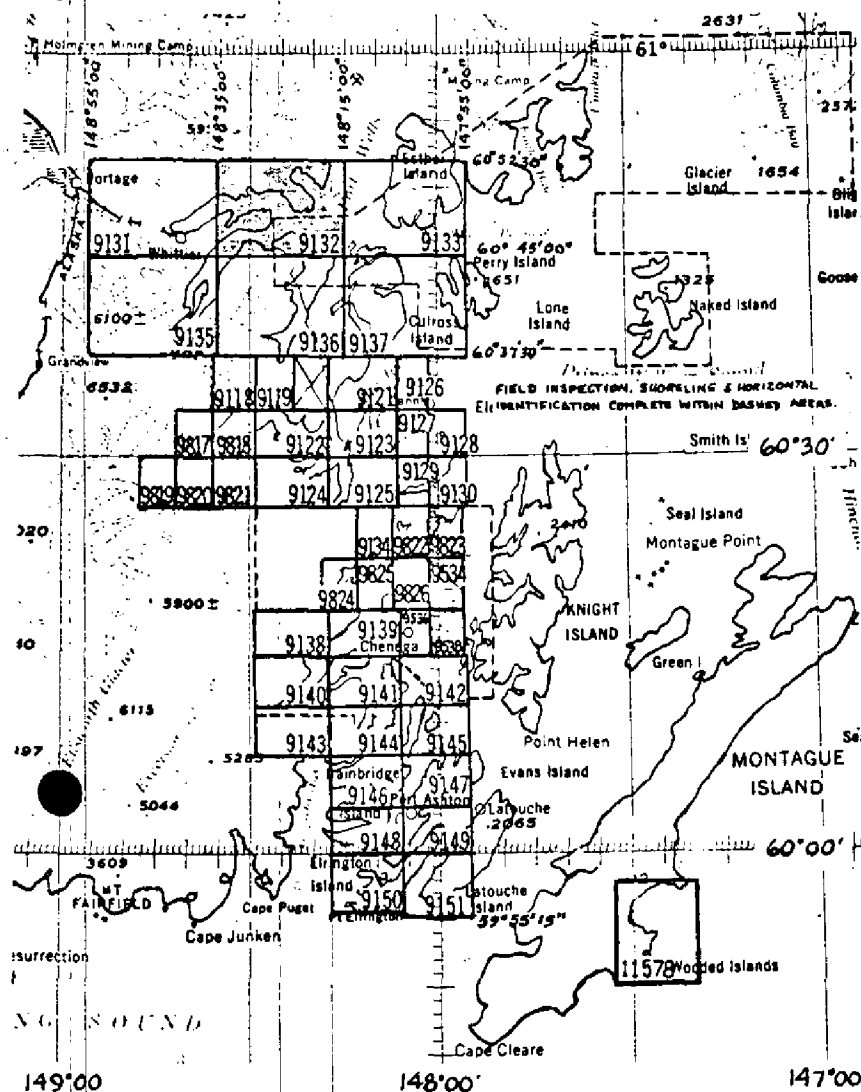
Land area: 50

T-9132

COMPILATION RECORD	COMPLETION DATE	REMARKS
Contours and shoreline	1950	
Final review	June 1970	

SHORELINE MAPPING PROJECT PH - 152

Prince William Sound, Alaska



OFFICIAL MILEAGE FOR COST ACCOUNTING	AREA
SHEET NO.	MILES
9118	13
9119	11
9121	10
9122	7
9123	7
9124	5
9125	6
9126	3
9127	8
9128	2
9129	8
9130	6
9131	95
9132	50
9133	45
9134	11
9135	90
9136	85
9137	48
9138	7
9139	5
9140	8
9141	12
9142	3
9143	4
9144	9
9145	8
9146	8
9147	9
9148	9
9149	7
9150	8
9151	9
9534	4
9536	6
9538	1
9817	10
9818	6
9819	9
9820	5
9821	10
9822	9
9823	4
9824	10
9825	6
9826	8
11578	21

TOTALS

702

726

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-9132

At the time of final review, which is twenty years after compilation, many of the records concerning this map and some of the photographs from which it was compiled were not available for the final reviewer's use. Data Record Forms 181a, 181b, and 181c, 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.

A Compilation Report covering three T-sheets is included as part of this Descriptive Report. It is not dated, nor does the title indicate which maps it covers. The contents indicate that it is for T-9131, T-9132, and T-9133. Items 31 and 35 of this report indicate that there was field inspection. Field photographs indicate that it was done in 1949 by the ship DERICKSON.

Compilation was by Reading Plotter, Model A, using 1:20,000 scale, 9-lens photography taken in 1947 and 1948. All features were delineated simultaneously, using field inspection as a guide during this delineation.

There was no data available stating that Field Edit had been performed, or when it was performed.

Final review was done at the Atlantic Marine Center during June 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-9132

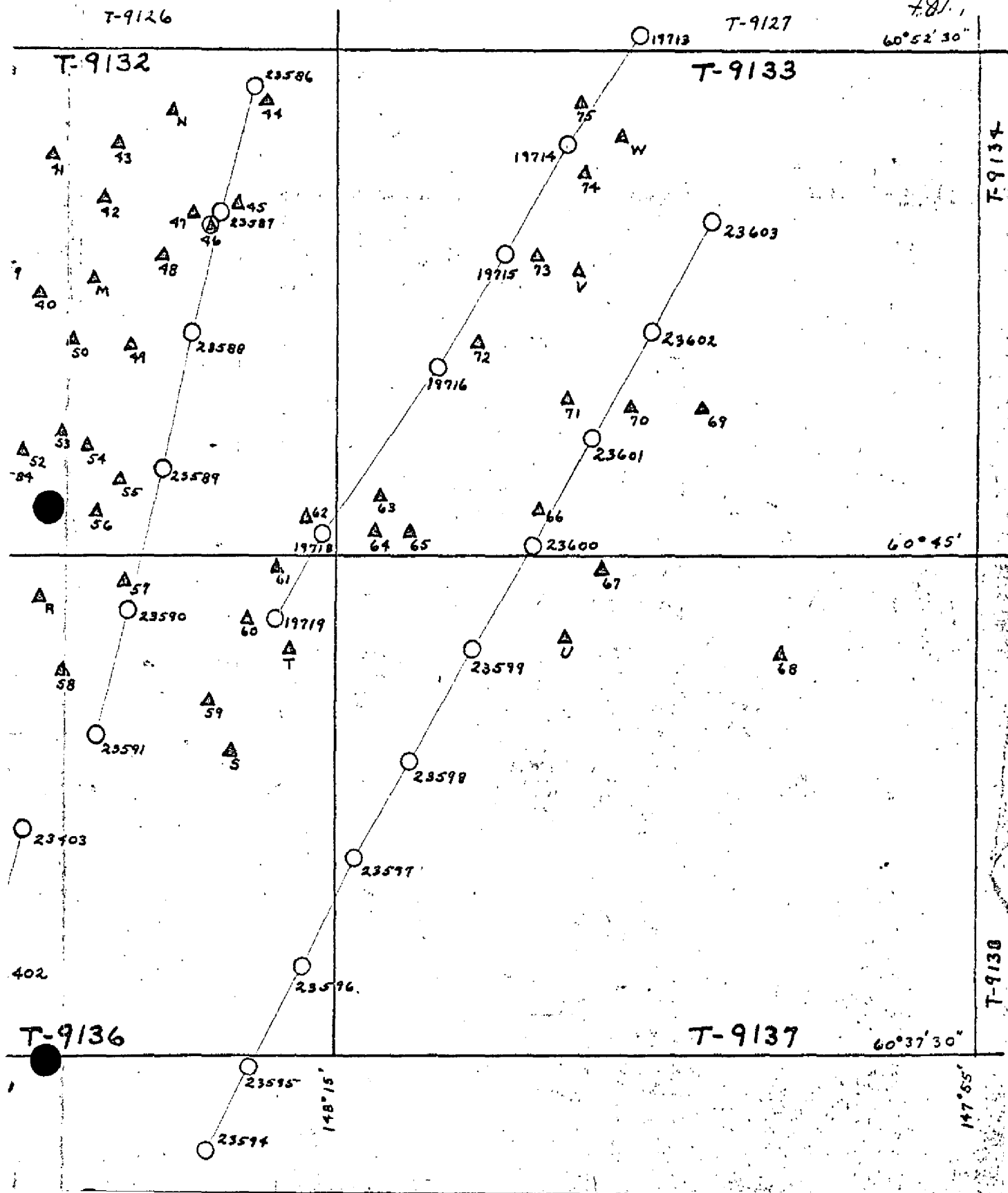
PROJECT PH-152

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

- 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)



DESCRIPTIVE REPORT CONTROL RECORD

MAP T. 9132 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)
AISO 1948	Vol. VI, P. 56	NA 1927	60 46	48.108	1489.0
AUNT 1947	" 54	"	148 23	30.867	467.2
			60 51	51.662	1599.1
			148 17	21.035	317.5
			60 49	23.867	738.7
BOB (U.S.E.) 1947	" 52	"	148 20	24.673	372.9
			60 47	34.052	1054.0
BUNT 1948	" 56	"	148 26	54.519	824.8
			60 48	11.405	353.0
BUR 1913	" 55	"	148 32	54.441	823.3
			60 48	14.975	463.5
CAB 1914	" 6	"	148 23	05.452	82.5
			60 46	02.568	79.5
COCH 1914	" 6	"	148 21	39.541	598.7
			60 45	45.20	1399.0
CON 1948	" 28	"	148 31	38.46	582.4
			60 45	31.237	966.8
CORA 1948	" 31	"	148 15	59.296	898.0
			60 50	04.940	152.9
CRAIG (U.S.E.) 1947	" 52	"	148 19	15.462	233.6
			60 48	28.282	875.4
DAB 1913	" 55	"	148 33	26.662	403.2
			60 48	55.972	1732.4
DARN 1948	" 56	"	148 24	08.425	127.4
COMPUTED BY	DATE		CHECKED BY	DATE	
CHB	6-5-70		LFB	6-5-70	

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-9132

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)
DECISION POINT LIGHT 1948	Vol. VI, P. 55	NA 1927	60 48 23.662	732.4	
DECOY 1948	" 25	"	148 27 12.899	195.1	
DUSTY 1948	" 55	"	60 46 22.465	695.3	
EAGER 1948	" 6	"	148 33 40.885	618.9	
EARN 1948	" 31	"	60 48 29.761	921.2	
FAST 1948	" 56	"	148 28 20.032	302.9	
GILT 1948	" 57	"	60 47 46.677	1444.7	
GRANITE 1914	" 6	"	148 28 09.419	142.5	
HILL 1914	" 60	"	60 45 41.144	1273.5	
LIMB 1948	" 57	"	148 22 11.784	178.4	
MUST 1948	" 56	"	60 49 23.175	717.3	
NEAT 1948	" 56	"	148 25 11.094	167.7	
COMPUTED BY	DATE 6-5-70		60 49 39.315	1216.9	
			148 30 42.564	643.2	
			60 49 51.081	1581.1	
			148 26 56.743	857.4	
			60 48 05.444	168.5	
			148 33 34.536	522.3	
			60 48 25.919	802.2	
			148 29 32.047	484.6	
			60 49 45.042	1394.1	
			148 28 47.876	723.5	
			60 48 03.090	95.6	
			148 31 43.051	651.1	
CHECKED BY	DATE 6-5-70		LFB	DATE 6-5-70	13

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9132 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)
PEAK A 1947	Vol. VI, P. 73	NA 1927	60 51 33.92 148 20 00.30	1049.9 4.5	
PEAK NO. 17 1914	" 86	"	60 50 14.29 148 24 57.40	442.3 867.1	
PEAK NO. 18 1914	" 85	"	60 49 06.58 148 22 39.45	203.7 596.3	
PEAK NO. 62 1948	" 77	"	60 50 24.70 148 32 47.81	764.5 722.2	
PEAK NO. 65 1948	" 77	"	60 47 29.97 148 28 46.19	927.6 698.8	
PEAK NO. 69 1948	" 78	"	60 51 00.94 148 28 51.19	29.1 773.0	
PEAK NO. 70 1948	" 78	"	60 50 46.73 148 27 11.51	1446.4 173.8	
PIGOT 1914	" 6	"	60 48 05.003 148 21 18.007	154.9 272.3	
POINT PIGOT LIGHT 1947	" 53	"	60 48 05.208 148 21 17.963	161.2 271.7	
RANE 1914	" 6	"	60 46 35.400 148 22 42.449	1095.7 642.5	
RIDGE 1914	" 59	"	60 47 53.375 148 27 57.876	1652.1 875.4	
ROCK OFF DECISION POINT 1948	" 56	"	60 48 06.30 148 26 53.80	195.0 813.7	
COMPUTED BY	DATE	CHB	CHECKED BY	DATE	LFB
	6-5-70			6-5-70	

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 9132 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)
SHARP REFERENCE MARK 1914	VOL. VI, P. 57	NA 1927	60 49 24.882	770.1	
			148 33 44.549	673.3	
SY (U.S.E.) 1947	" 52	"	60 51 03.59	111.1	
			148 21 56.63	855.2	
TEX (U.S.E.) 1947	" 52	"	60 50 00.011	0.3	
			148 18 57.526	869.2	
TORCH 1948	" 25	"	60 46 31.545	976.4	
			148 24 59.052	893.9	
TREAT 1914	" 7	"	60 49 14.439	446.9	
			148 32 23.068	348.7	
TRINITY POINT LIGHT 1948	" 55	"	60 48 25.631	793.3	
			148 33 58.169	879.6	
UNCLE 1948	" 25	"	60 46 15.063	466.2	
			148 26 00.742	11.2	
VIOIA 1948	" 25	"	60 47 00.822	25.4	
			148 27 45.885	694.4	
WEDGE 1948	" 25	"	60 46 52.717	1631.7	
			148 29 03.596	54.4	
WELIS 1914	" 17	"	60 50 09.354	289.5	
			148 18 15.255	230.5	
WELT 1948	" 27	"	60 45 45.034	1393.9	
			148 28 11.066	167.6	
WOMEN 1947	" 52	"	60 50 10.12	313.2	
			148 22 14.49	218.9	
COMPUTED BY	DATE	CHECKED BY	DATE		
CHB	6-5-70	LFB	6-5-70		

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-2132

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)
XEBEC 1948	Vol. VI, P. 25	NA 1927	60 46	49.817	1541.9
			148 29	37.532	568.0
XENO 1948	"	"	60 47	04.150	128.5
			148 31	08.135	123.1
XRAY 1947	"	"	60 50	55.046	1703.8
			148 23	46.252	698.5
YACHT 1948	"	"	60 46	08.216	254.3
			148 30	13.745	208.1
ZIRCON 1948	"	"	60 45	54.837	1697.3
			148 31	17.874	270.6
PEAK NO. 66 1948	"	"	60 49	06.10	188.8
			148 22	44.14	667.2
COMPUTED BY	CHB	DATE 6-5-70	CHECKED BY	LFB	DATE 6-5-70

Page 14

COMPILATION REPORT
Washington Office

31. Delineation:

Shoreline, Contours, and all cultural features were delineated simultaneously on the Reading Plotter, model "A". Inspection was used as a guide during this delineation and applied finally during manuscript compilation. Photo coverage was complete for the area mapped, the area adjacent to the coast to a depth reaching the general line of high peaks beyond which visibility from shipboard is obscured; this did allow the completion of the land area falling within the limits of any one quadrangle. Field inspection was complete as far as it went but did not include the upper reaches of Blackstone Bay, Cochrane Bay, and the shores of Culross Island except for a short distance along its north coast. More area could have been mapped using this same photography had the additional inspection been made along with control identification. Mapped areas are complete within the limits to which the mapping was extended.

32. Control:

Reference side-heading 23 of the Radial Plot Report, ~~page 10 of this report~~, which deals primarily with horizontal control.

Vertical control for contouring purposes was furnished by the shoreline datum, and by elevations on triangulation stations and distant peaks obtained during triangulation. ~~Peak No 68 was found to be badly out of position (CP) and has been omitted from the manuscript.~~

33. Supplemental Data:

(a) Plotting instrument rectified photos:

19713-16, 19718-19, 23443-5, 23447-50, 23454-8,
23584-91, and 23597-603.

(b) Field inspection photos:

19698, 700, 700, 701, 701, 702, 714, 715, 716, 718,
719, 720, 720, and
23405, 406, 447, 447, 445, 446, 446, 446, 447, 448,
448, 449, 449, 449, 454, 455, 455, 456, 583, 584,
584, 585, 586, 587, 587, 588, 589, 589, 600, 600,
600, 601.

(c) Graphic Control Surveys:

- (1) T-3278, Perry Island and entrance to Port Wells, Prince William Sound, Alaska.
- (2) T-3278a, July 1914, 1:20,000, Port Wells, Prince William Sound, Alaska, Ship TAKU, Rude comdg.
- (3) T-3404, Passage Canal, Alaska.
- (4) T-3463, T-3464, and T-3465, July 1914, 1:10,000, Passage Canal, Prince William Sound, Alaska, Ship TAKU, Gilbert T. Rude comdg.
- (5) T-7042, May 1947, 1:10,000 and 2,500, Pigot Bay, Port Wells, Prince William Sound, Alaska, Ship DERICKSON, H. Arnold Karo comdg.
- (6) T-7073, a&b, 17 July 1948, 1:10,000, Passage Canal, Prince William Sound, Alaska, Ship DERICKSON, H. Arnold Karo comdg.

(d)

Hydrographic Surveys:

- (1) H-3408, 1912 season, 1:20,000, Perry Island Passage, Prince William Sound, Alaska, Ship TAKU, Rude comdg.
- (2) H-3538, 1913 season, Passage Canal, Prince William Sound, Ship TAKU, Gilbert T. Rude comdg.
- (3) H-3676, 1914 season, 1:20,000, Vicinity of Perry Island, Prince William Sound, Alaska, Ship EXPLORER, R. S. Patton comdg.
- (4) H-3689, 1914 season, 1:20,000, South End of Port Wells and into the Entrance to Passage Canal to Point Decision, Alaska, Ship TAKU, Gilbert T. Rude comdg.
- (5) H-3694, 1914 season, 1:10,000, Passage Canal, Point Decision to Billings Delta, Alaska, Rude comdg.
- (6) H-6981, 1948 season, 1:10,000, Passage Canal, Point Decision, Eastern Part, Prince William Sound, Alaska, H. Arnold Karo comdg.
- (7) H-7187, 1947 season, 1:10,000, Pigot Bay, Port Wells, Prince William Sound, Alaska, Ship DERICKSON, Karo comdg.
- (8) H-7618, 1947 season, Port Wells, Prince William Sound, Alaska, Ship DERICKSON, H. Arnold Karo comdg.

34. Contours and Drainage:

The quality of photography was not all-together satisfactory for contouring purposes; the detail in general was not as sharp as usual, shadows were exceptionally long because the photographs were exposed after mid-day, and above 2000 ft in elevation snow caused some difficulty. Very tall timber in limited areas made contouring a bit of a problem. Further, two separate sets of photographs taken in different years were involved requiring nearly double the number of models to complete both shoreline and contouring. However, a satisfactory compilation has been achieved with no areas of questionable contours other than snow covered areas.

35. Shoreline and Alongshore Features:

Field inspection of the shoreline was quite adequate except in Whittier and has been applied to the map manuscript after compilation of the plotting instrument work sheets. The photography was taken very near the time of high tide causing very little low-water or low-snow lines to be located; no attempt has been made to extend these lines in the office.

36. Offshore Details:

Most offshore details were close in to shore and were covered in shoreline features in side-heading 35 above.

37. Landmarks and Aids:

See Nautical Chart Branch file "Chart-Letter file No 22 (1949)", letter to The Director under date 8 Mar 49 from Glendon E. Boothe as commander of the Ship ORCAUTSON, subject: "Landmarks for Location of Floating Aids to Navigation in Orca Inlet", wherein the following information is listed:

(a) Landmarks which fall entirely within the limits of map manuscript T-9131:

- (1) Green Water Tower, Conical Top.
- (2) Sawmill, West Twin Stack.
- (3) Red Tank, Cylindrical, Steel.

(b) Navigation Aids falling entirely within the limits of map manuscript T-9132:

- (1) Point Pigot Light.
- (2) Decision Point Light.
- (3) Trinity Point Light.

No Prominent objects for landmarks were mentioned or recommended in reports of 1912-14 surveys in the area of these three quadrangles. No aids existed at that time. No additional aids or landmarks were recommended in the more recent surveys of 1947-48.

38. Control for Future Surveys:

None.

39. Junctions:

All junctions are in agreement.

40. Horizontal and Vertical Accuracy:

Standard.

41. Compilation Limits:

The entire land areas within the limits of the three quadrangles of this report have not been completely mapped during the initial phase ending January 1951. In general, only shoreline and the strip of land area immediately shoreward have been completed where field inspection has been furnished. This field inspection to date has not covered all the shoreline within the quadrangles. It is planned to complete the inspection permitting the compilation to be completed also. At that stage quadrangles T-9136 and T-9137 will be 100% compiled; T-9135 may not be complete since the western half of it reaches beyond chart requirements into a solid land-area where field inspection and control identification may not be executed.

The area covered in the first phase of compilation includes all the ground areas and shorelines to the north and east of an approximate line joining $60^{\circ}45'N$ by $148^{\circ}45'W$ to $60^{\circ}41'$ by $148^{\circ}06'$ not including Perry Island.

46. Comparison with Existing Maps:

- a. Alaska, Portage Quadrangle, CE, USA, 1:62,500, 1947.
- b. Alaska, Pigot Bay Quadrangle, CE, USA, 1:62,500, 1947.

47. Comparison with Nautical Charts:

- a. See Supplemental Data, side-heading 33, this report.
- b. *Alaska, South Coast, Prince William Sound, Western Part, No. 8517,*
- 48. Geographic Name List: *1:80,000, Publication of Sept 1950 (6th Edition)*

See separate page following.

49. Notes for the Hydrographer:

None.

50. Compilation Office Review:

See T-2 form following.

Submitted by:

Orvis N. Dalbey
Orvis N. Dalbey
Cartographer-Photogrammetric

Approved and Forwarded by:

Louis J. Reed
Louis J. Reed
Photogrammetric Engineer,
Chief, Stereoscopic Mapping
Section

August 21, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-152 (Alaska)

T-9132

Billings Glacier

Blackstone Bay

Blackstone Point

Bur Point

Chugach National Forest

Cochrane Bay

Decision Point

Emerald Bay

Emerald Island

Entry Cove

Gradual Point

Hollow Bight

Logging Camp Bay

Neptune Point

Passage Canal

Pigot Bay

Pirate Cove

Poe Bay

Point Cochrane

Point Pigot

Port Wells

Seth Glacier

Shotgun Cove

Slope Point

Squirrel Cove

Squirrel Point

Strong Point

Surprise Cove

Trinity Point

Ziegler Cove

Approved by:

A. Joseph Wraight
A. Joseph Wraight
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

FORM 1002 - PHOTOGRAMMETRIC OFFICE REVIEW

MAP T-9132

PROJECT PH-152

No Form 1002(T-2) was available at the time of final review
and none is bound with this Descriptive Report.

FIELD EDIT REPORT

MAP T-9132

PROJECT PH-152

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

REVIEW REPORT T-9132

TOPOGRAPHIC

JUNE 16, 1970

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print (pages 29 through 37), with differences noted in Items 62 through 65 is included with the original of this report. In addition to differences with other maps and charts, elevation discrepancies on T-9132 are circled on the comparison print with green pencil. In some instances a rock awash symbol has a bare rock elevation; in others, a bare rock has an elevation which should be for a rock awash. The final reviewer had no way of resolving these discrepancies.

During comparison with maps and charts, the following changes were made:

<u>Location</u>	<u>Change</u>	<u>Remarks</u>
Lat 60° 46.0' Long 148° 31.3'	Rock awash visible on Photo 23585 added	Not on Naut. charts
Lat 60° 48.5' Long 148° 29.2'	Rock awash visible on Photo 23585 added	Charted
Lat 60° 48.4' Long 148° 28.1'	Rock awash visible on Photo 23585 added	Charted
Lat 60° 48.3' Long 148° 23.3'	Rock awash visible on Photo 23589	Charted
Lat 60° 45.5' Long 148° 16.2'	Shoreline change	Charted

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with the following registered topographic surveys:

T-3463, scale 1:10,000, dated 1914
 T-3464, scale 1:10,000, dated 1914
 T-7042, scale 1:10,000, dated 1947
 T-7073b, scale 1:10,000, dated 1948

The differences between the registered surveys and T-9132 are shown in blue on the comparison print.

Generally, the shoreline compares well; however, differences of 2.5 mm on the northeast side of Poe Bay, 2.5 mm between Decision Point and Strong Point, 5.5 mm just east of Station UNCLE 1948 (Latitude $60^{\circ}46.2'$, longitude $148^{\circ}26.0'$), and 4 mm at the head of Entry Cove are noted. Differences are probably due to refinement of survey methods over the last 50 years.

T-9132 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 (D-4) and Seward (D-5), Alaska, dated 1952 and 1951 respectively. Differences between these maps and T-9132 are shown in brown on the comparison print.

A rigid shoreline comparison was not made. Generally, it compares well; but there is considerable difference in the location of shoreline at the head of Pigot Bay.

An offshore bare rock and a rock awash at latitude $60^{\circ}51.5'$, longitude $148^{\circ}17.3'$ are not visible on Photo 23586.

A rock awash at latitude $60^{\circ}50.8'$, longitude $148^{\circ}17.8'$ is not visible on Photo 23586.

A rock awash at latitude $60^{\circ}48.3'$, longitude $148^{\circ}19.8'$ is not visible on Photo 23589. This appears to be the same rock charted on Chart 8517.

A rock awash at latitude $60^{\circ}46.7'$, longitude $148^{\circ}23.2'$ is not visible on Photo 23589.

A rock awash at latitude $60^{\circ}45.4'$, longitude $148^{\circ}27.7'$ is not visible on Photo 23584.

Two rocks awash at latitude $60^{\circ}48.5'$, longitude $148^{\circ}33.8'$ are not visible on Photo 23447.

None of the above mentioned rocks appear on T-9132.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with verified copies of smooth sheets for Survey Nos. 6981 and 7161, both at 1:10,000 scale and both dated June-August 1948. No shoreline appears on these surveys, except a short stretch at Decision Point. A comparison was also made with a verified copy of H-7187, scale 1:10,000, dated May-June 1947.

Differences between these surveys and T-9132 are shown in purple on the comparison print. The more important discrepancies are listed below.

A rock awash at latitude $60^{\circ} 48.5'$, longitude $148^{\circ} 33.8'$ is not visible on Photo 23447. The same rock is mentioned in Item 63.

A rock awash at latitude $60^{\circ} 48.5'$, longitude $148^{\circ} 28.7'$ is not visible on Photo 23585.

Two rocks awash and a submerged rock at latitude $60^{\circ} 48.1'$, longitude $148^{\circ} 21.5'$ is not visible on Photo 23589.

The above listed rocks are not mapped on T-9132.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8521, scale 1:20,000, 4th Edition, dated April 14, 1969, west of longitude $148^{\circ} 27'$. East of this longitude, a comparison was made with Chart 8517, 1:80,000 scale, 9th Edition, dated April 29, 1969.

Differences between these charts and T-9182 are shown in red on the comparison print.

A rock awash and reef at latitude $60^{\circ} 47.2'$, longitude $148^{\circ} 33.7'$ is not visible on Photo 23585.

A rock awash at latitude $60^{\circ} 48.3'$, longitude $148^{\circ} 19.8'$ is not visible on Photo 23589. This is approximately the same location as a rock mentioned in Item 63.

Two bare rocks at latitude $60^{\circ} 50'$, longitude $148^{\circ} 22'$ are not visible on Photo 23586.

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
June 17, 1970

Approved by:

Allen L. Powell

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

Approved by:

Chuck Stinner
Chief, Photogrammetric Branch, *psb*

Jack E. Luth
Chief, Photogrammetry Division

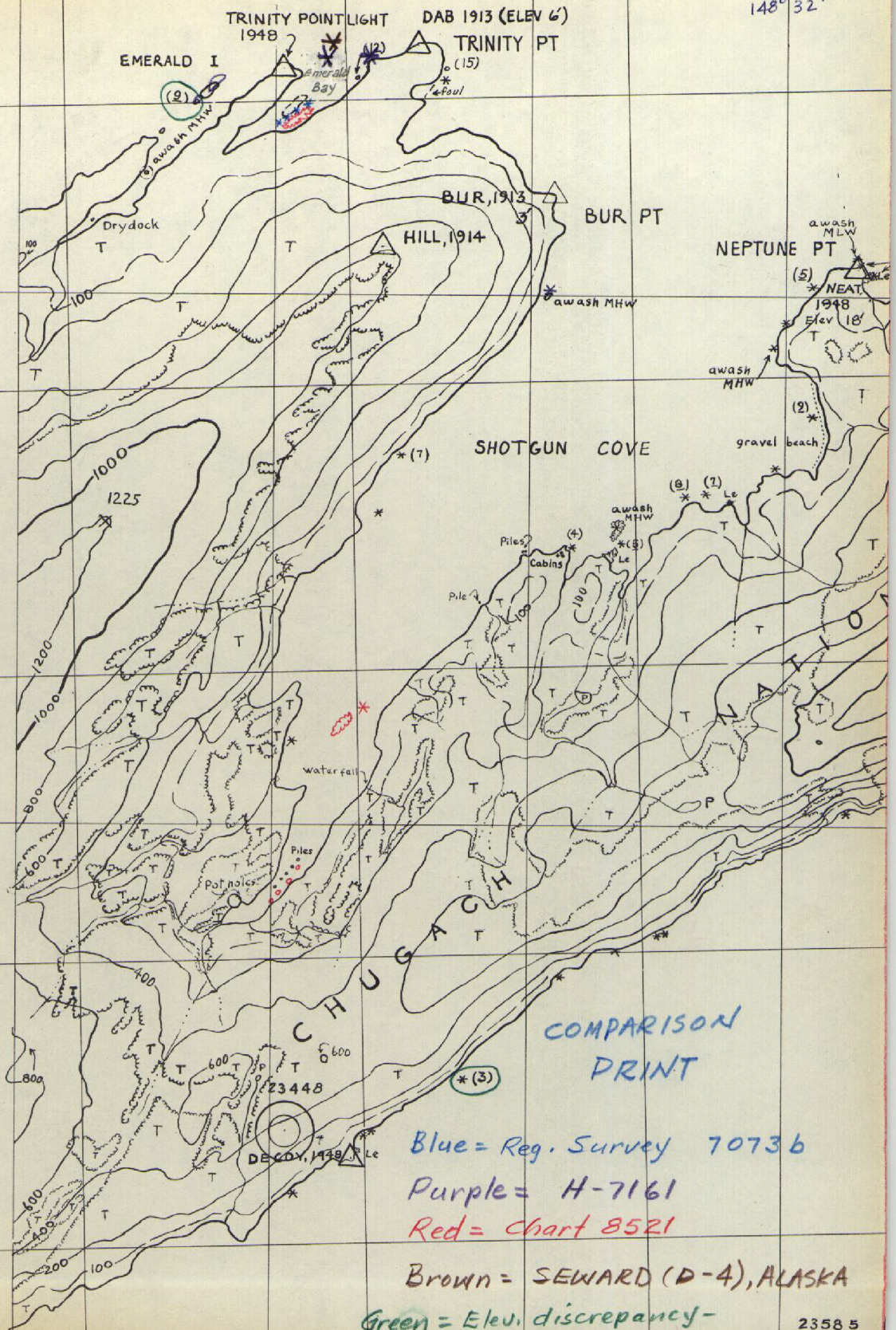
148° 35'

148° 32'

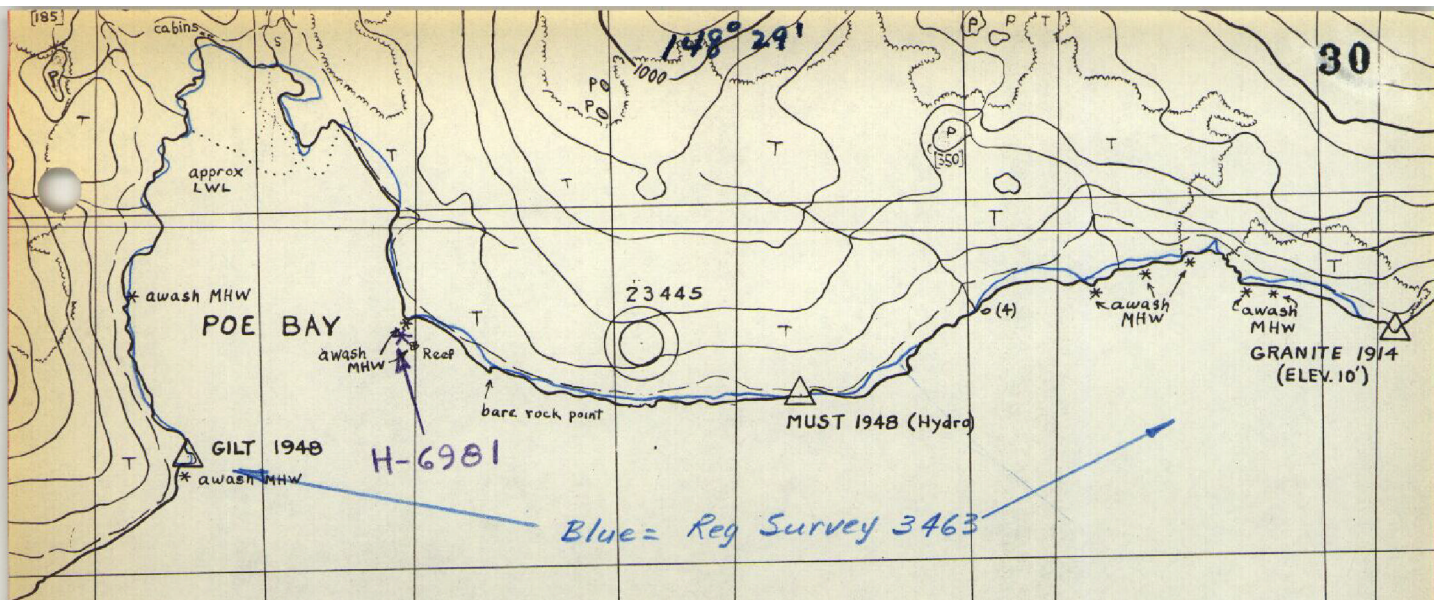
60° 48'

47'

60° 46'

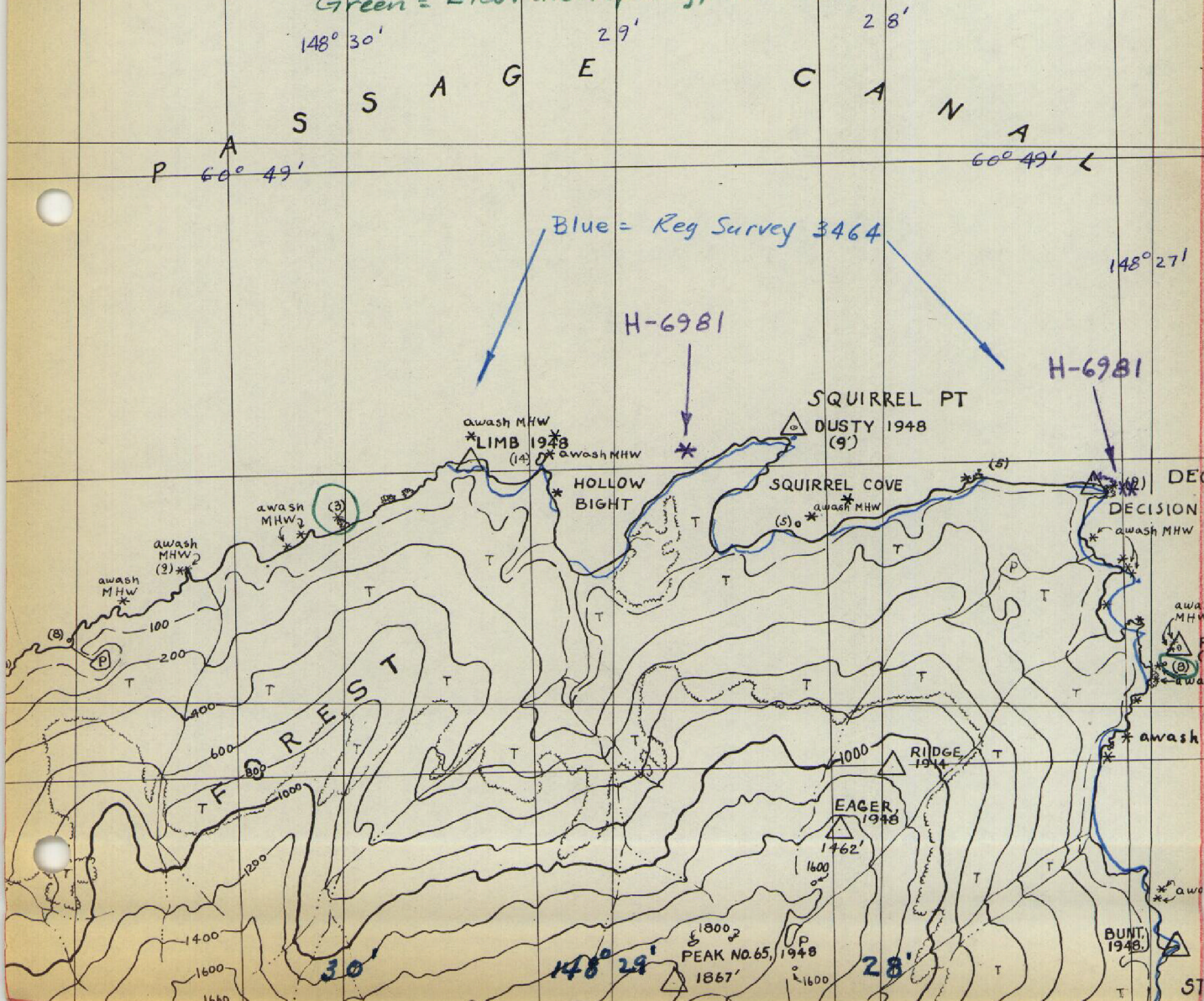


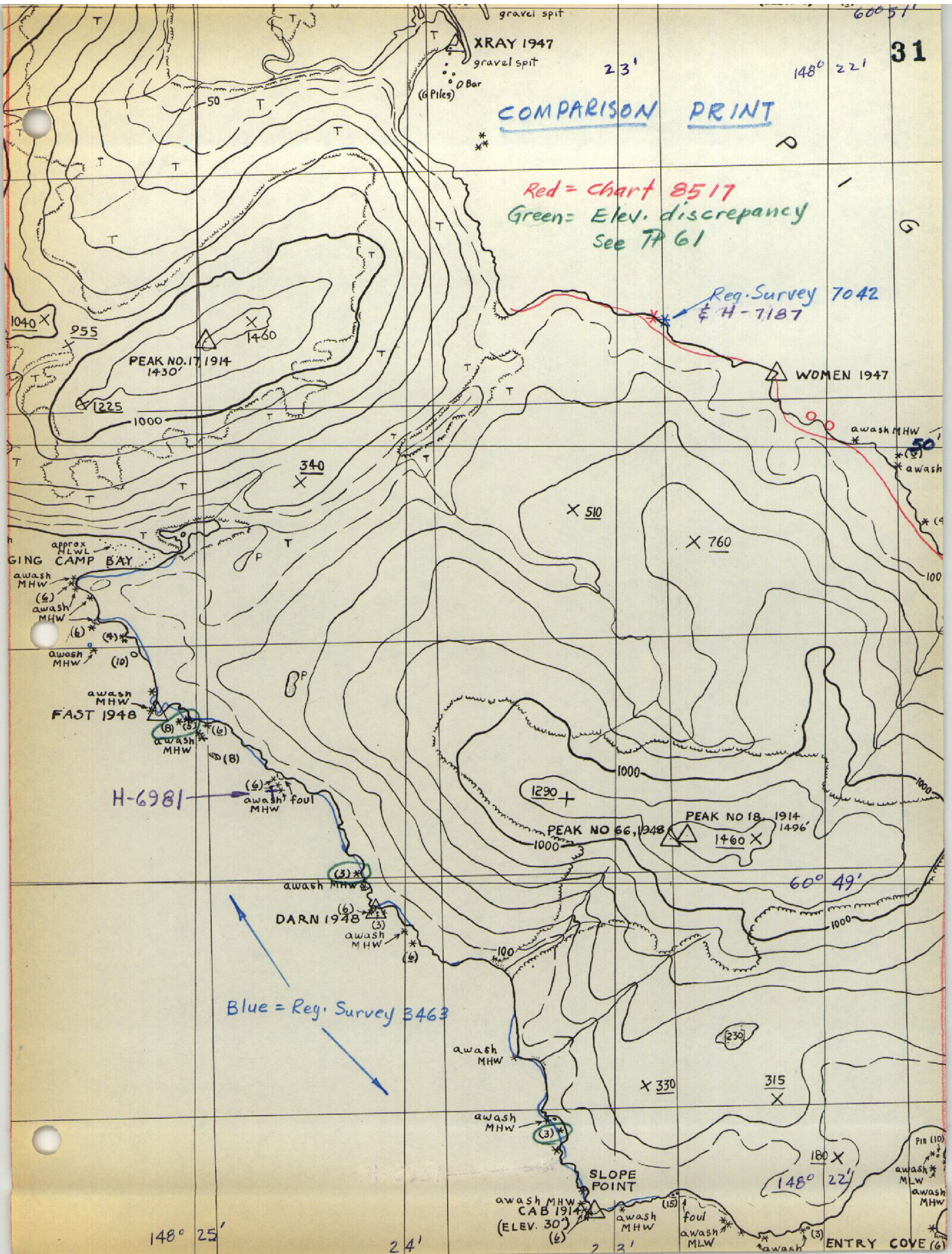
148° 32'



COMPARISON PRINT

Green = Elev. discrepancy, See Par. 61





COMPARISON PRINT

Red = chart 8517
Green = Elev. discrepancy
See TP 61

Reg. Survey 7042
H-7187

H-6981

Blue = Reg. Survey 3463

31

60° 51'

148° 22'

23'

60° 49'

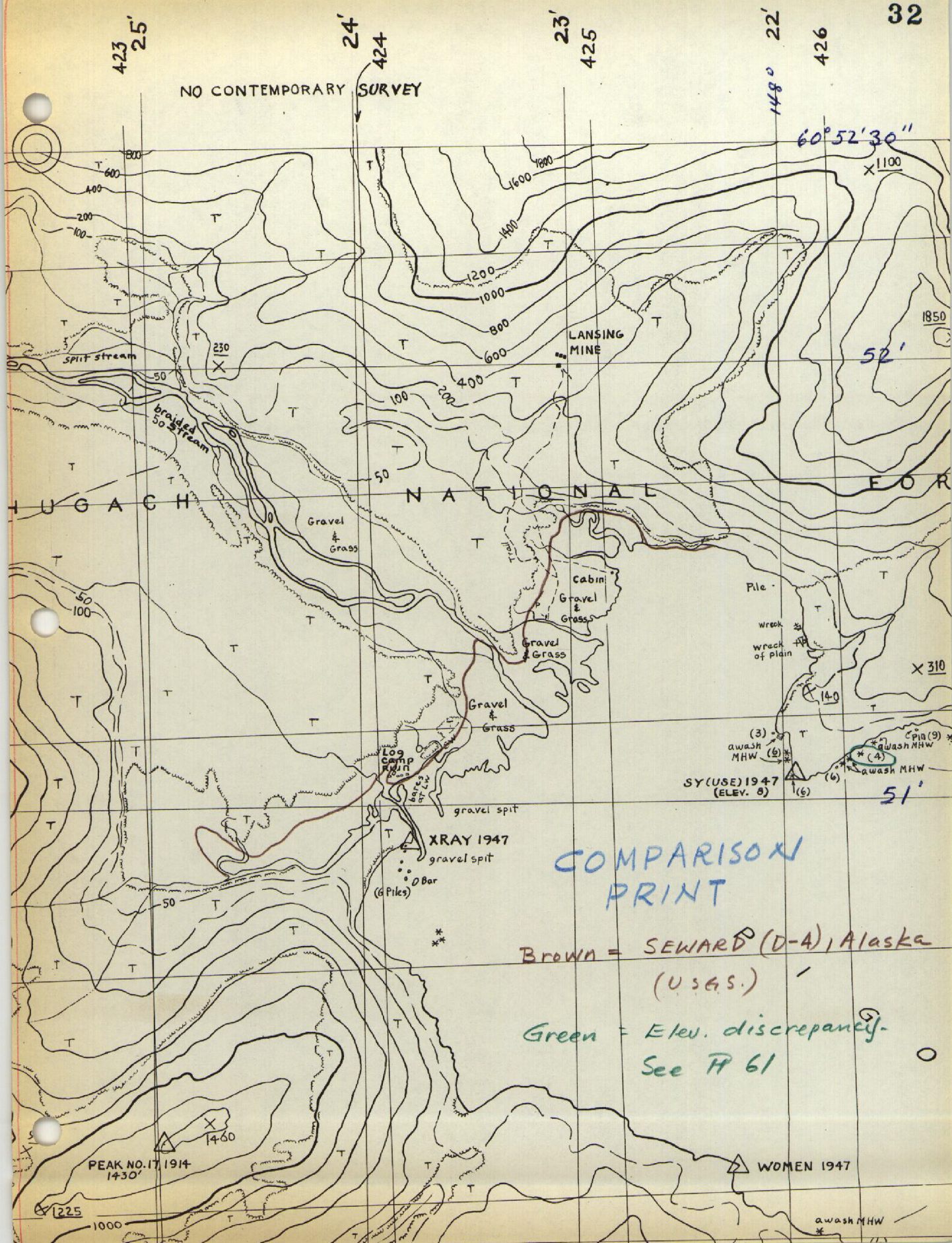
148° 25'

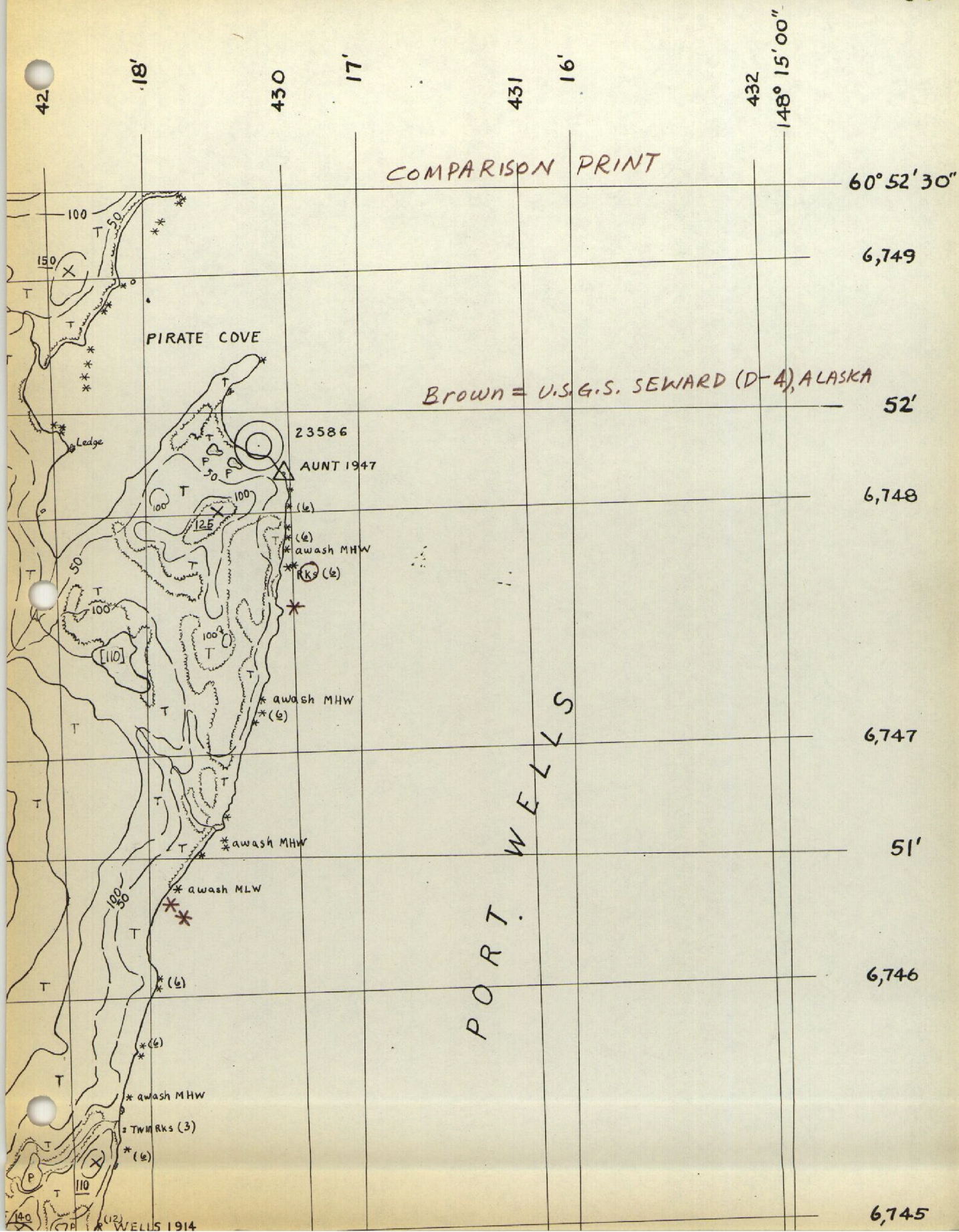
24'

148° 22'

Pit (110)

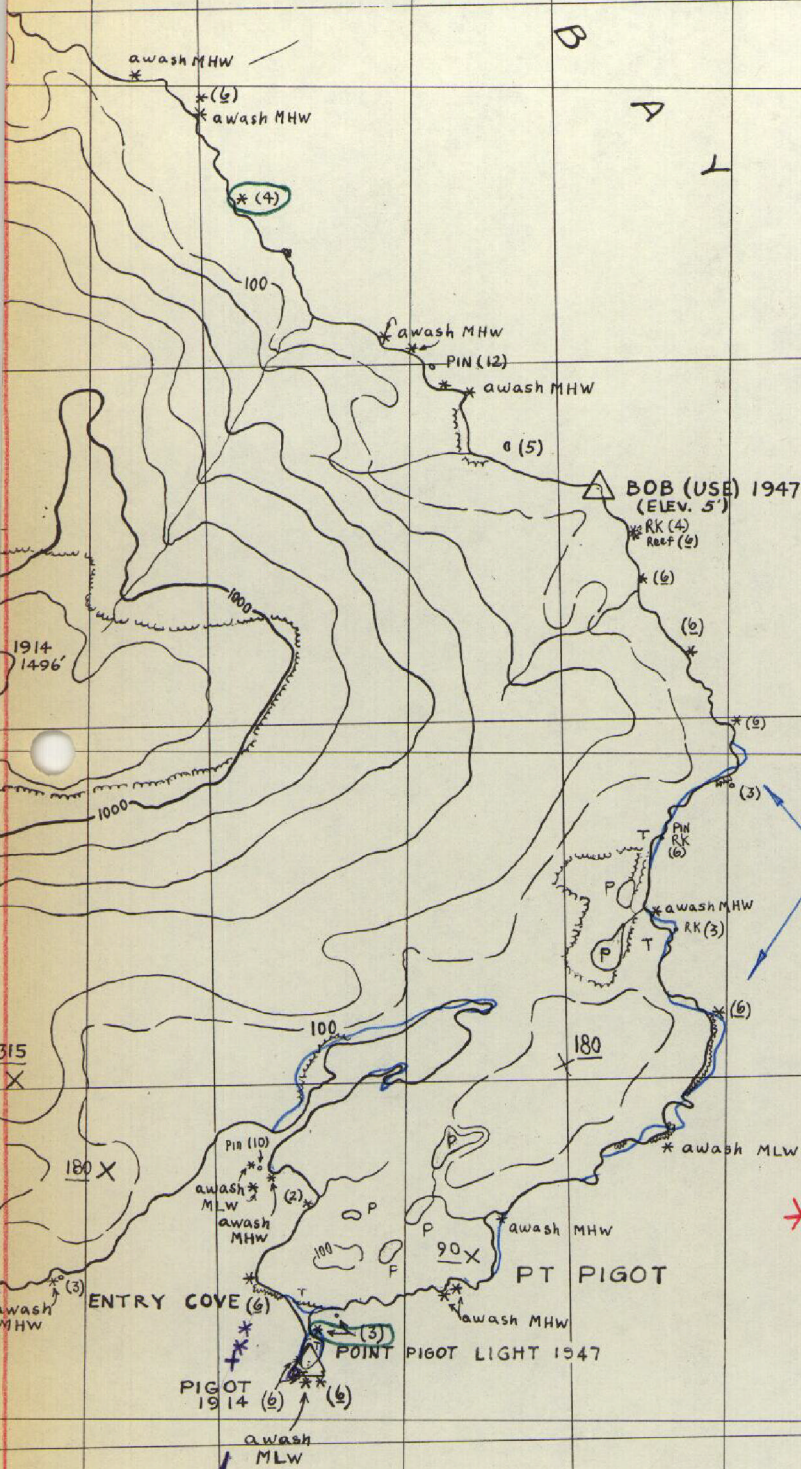
ENTRY COVE (6)





OMEN 1947

COMPARISON PRINT



CRAIG (USE) 1947 (ELEV. 8)
ZIEGLER COVE
awash MHW
23587
awash MLW
TEX (USE) 1947
H-7187
Reg. Survey T-7042

Green = Elev. discrepancy
See H 61

Reg Survey T-3463

Chart 8517
23588

H-6981

34

TWIRKS (3)

(6)

WELLS 1914 (ELEV. 3)

60°50'

49'

60°48'

148°19'

20'

21'

22'

COMPARISON PRINT

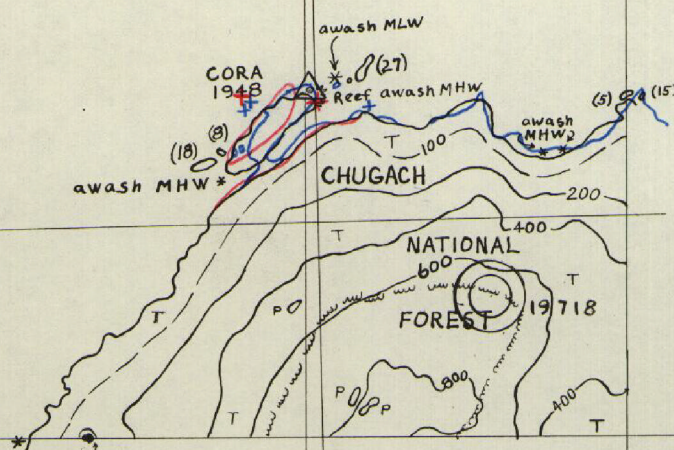
6,738

Blue = Registered Survey T-32782

Red = chart 8517

46'

6,737



y = 6,736,000 M.

60°45'00"

18'

her accuracy

17'

16'

148° 15' 00"

TOPOGRAPHIC MANUSCRIPT

T-9132

SCALE 1:20,000

ALASKA

PRINCE WILLIAM SOUND

PASSAGE CANAL

POLYCONIC PROJECTION

U.T.M. GRID-ZONE 6

HORIZONTAL DATUM: N.A. 1927

T-9132

ater.
graphs

Blue = Reg. Survey
 Purple = H-6981
 Brown = U.S.G.S. SEWNEE (D-4)
 Green = Elev. discrepancy
 See P 61

COMPARISON PRINT



