FORM C&GS-504

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

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC									
Field No. Office No. T - 9133									
LOCALITY									
State ALASKA									
General locality PRINCE WILLIAM SOUND									
Locality ESTHER ISLAND									
1947 - 51									
CHIEF OF PARTY Glendon E. Boothe - Field Hubert A. Paton - Baltimore Fhoto Office Louis J. Reed - Washington Office									
LIBRARY & ARCHIVES									
DATE									

USCOMM-DC 37022-P66

DESCRIPTIVE REPORT - DATA RECORD

T-9133

PH-152								
ELD OFFICE (II):		CHIEF OF P	PARTY					
Ship DERICK	BON	Glendon	E. Boothe					
OTOGRAMMETRIC OFFICE (III):		OFFICER-IN						
Baltimore P		L.	A. Paton					
Washington	Uffice		. Reed, Chief, Map Section					
STRUCTIONS DATED (II) (III):		500100	MAP Decoron					
II Field,	dated 28 June 1949							
ETHOD OF COMPILATION (III): Reading Plo	tter							
ANUSCRIPT SCALE (III):		STEREOSCOPIC PLOTTII	NG INSTRUMENT SCALE (III):					
1:20,000		1:20,00	00					
ATE RECEIVED IN WASHINGTON	OFFICE (IV):	DATE REPORTED TO NA	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):					
PPLIED TO CHART NO.		DATE:	DATE REGISTERED (IV):					
		VERTICAL	DATUM (III):					
EOGRAPHIC DATUM (III):			LEVEL EXCEPT AS FOLLOWS:					
EOGRAPHIC DATUM (III):		MEAN SEA	ELIZE EXCE.) CEOUT					
			shown as (25) tefer to mean high water					
NA 1927		Elevations :	shown as (25) tefer to mean high water shown as (<u>5</u>) refer to sounding datum					
		Elevations :	shown as (25) tefer to mean high water					
		Elevations :	shown as (25) teler to mean high water shown as (<u>5</u>) reler to sounding datum					
NA 1927		Elevations :	shown as (25) teler to mean high water shown as (<u>5</u>) reler to sounding datum					
NA 1927 EFERENCE STATION (III): BIRD 1947	LONG.:	Elevations e Elevations e i.e., mean fo	shown as (25) refer to mean high water shown as (<u>5</u>) refer to sounding datum ow water or mean lower low water					
NA 1927 EFERENCE STATION (III): BIRD 1947	17180 081 ЛТ • 6751.	Elevations and it.e., mean for	shown as (25) refer to mean high water shown as (<u>5</u>) refer to sounding datum ow water or mean lower low water					
NA 1927 EFERENCE STATION (III): BIRD 1947 AT.:		Elevations and it.e., mean to	shown as (25) refer to mean high water shown as (<u>5</u>) refer to sounding datum ow water or mean lower low water					
NA 1927 EFERENCE STATION (III): BIRD 1947 AT.: 60° 491 33.049"		Elevations and i.e., mean to	shown as (25) refer to mean high water shown as (5) refer to sounding datum ow water or mean lower low water ED USTED					

DESCRIPTIVE REPORT - DATA RECORD

T-9133

	T-9133	
FIELD INSPECTION BY (II):		DATE:
Glendon E. Boothe		1949
MEAN HIGH WATER LOCATION (III) (STATE DATE	AND METHOD OF LOCATION):	
1949		
Compiled from aerial p	hotographs taken in 1947 and 19	248
PROJECTION AND GRIDS RULED BY (IV):		DATE
Ruling machine		8-14-50
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
T. L. Janson		8-14-50
CONTROL PLOTTED BY (III):		DATE
O. N. Dalbey		11-14-50
CONTROL CHECKED BY (III):		DATE
L. J. Reed		1950
RADIAL PLOT OR STERROSCOPIC CONTROL EXT	FENSION 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
WANUSCRIPT DELINEATED BY (III):		DATE
L. Levin and J. B. McI	Oonald	1950
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
L. J. Reed		1951

DESCRIPTIVE REPORT - DATA RECORD

T-9133

AMERA (KIND OR SOURCE) (III):

U.S.C.& G.S. 9-lens Camera "B", F = 8.25"

	PHO	OTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	ST	AGE OF T	DE
19713 - 19716	27 June 1947	11:51	1:20,000	5.5 ft.	. above	MLLW
23600 - 23603	3 Sept.1948	10:38	1:20,000	7.4 ft.	. above	MLLW
		TIDE (III)	(PREDICTED)			Diurnal
				RATIO OF RANGES	MEAN RANGE	RANGE
REFERENCE STATION:	Cordova					
SUBORDINATE STATION:	Culross Bay, V	vells Passag	е		9•7	12.1
SUBORDINATE STATION:						
Atlantic Marine Cen WXXXIII KKKK REVIEW	ter vev (IV): Charles	H. Bishop		DATE:	 5-26-70	 -
PROOF EDIT BY (IV):				DATE:		
NUMBER OF TRIANGULATION	STATIONS SEARCHED FOR	(11):	RECOVERED:	IDENTIFIE	D:	·
NUMBER OF BM(S) SEARCHED) FOR (II);		RECOVERED:	IDENTIFIE	D	
NUMBER OF RECOVERABLE I	PHOTO STATIONS ESTABLIS	SHED (III):				
NUMBER OF TEMPORARY PHO	OTO HYDRO STATIONS ESTA	ABLISHED (III):			_ _	
REMARKS:				<u>,, , , , , , , , , , , , , , , , , , ,</u>	····	
Linear miles of Land area:	f shoreline: 36					

T-9133

COMPILATION RECORD	COMPLETION DATE	REMARKS
Contours and shoreline	1951	
Final review	July 1970	
	÷	

Prince William Sound, Alaska

* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2631 T Yim			
Moims on Mining Cambillation	ipintantantantantantantantantantantantantan		ļ	LEAGE FOR COST LIN.MI.	AREA ":
200		257	SHEET NO.	SHORELINE	MILES
ortage	internal cossiso	Glacier 1654	9118 9119	3	13 11
20121		isia	ŭ.	7	
	913292	Soos Goos	9121 • 9122	11 23	1 0
9135	Califost Lone Island	Maked Island	9123	17	7
Giana -	79136 9137 Hand 60°37'50"-		912 <u>4</u> 9125	7 1 š	5 6
	10 9127 Elementica	MECTION, SHORELINE & HORIZONTAL. TION COMPLETE WITHIN DASHED AREAS.	9126	5	3
\$817.98	1 ~~1) 9129/ 0 (Smith is: 60°30'	9127 9128	6 5	. 3
220		Seal island	9129	7 -	8
	913498278871	Montague Point	9130 9131	15 14	95
5900 ±	*	NIGHT S	9132 9133	48 36	50 50
10 Grand	9138 Chendas Cost	Green I	9134	5	11
: (3 ⁰ 3 ⁰ , €115	9140 9141 9142		9135 9136	. 2l ₄ 26	90 85
197 3 52	9143 9144 9145 Point H	I / /MANTAGHE	• 9137	6 8 .	48
5044	91467 Sanbridge 9147 Evans Islam	ISLAND	9138 9139	10 13	, 5
afundadisələri	9148 9149 / 1111	Amin 40.00.1	_9140 _9141	12 . 24	8
Maria 9	island 50 9151 latouche	~	9142	10	3
Cape Ju	71 Elinigion 39455'14"	7	9143 9177	9 2 6	4
	 	11578Nodued Islands	9145	19	é -
$\begin{bmatrix} N & G \end{bmatrix} \begin{bmatrix} S & O & U & N & D \end{bmatrix}$	Cape Cleare		9146 914 7	18 24	9
149.00	148.00	147*00	y 9148 - 9149	25 .	9 7
			9150	24 1 5	8
	,		19 151 953),	1 5 6	9)) ,
			9536	é	4.
	1		9534 9536 9538 9817	4 9	10
į	·		9818 9819	11	6
			9820	7	<i>5</i>
·	, 1		9821 9822	2	10
!			9818 9819 9820 9821 9822 9823 9824 9825	· 7	14
;	1		98 2 5	9 11	10 6
	•		9826 11 578	9 11 3 7 2 9 7 9 11 10 19	10695094068 21
			11710	19	21
,					
			TOTALS	702	726
				*	

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-9133

At the time of final review, which is twenty years after compilation, many of the records concerning this map 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 the inspection was done by the ship DERICKSON in 1949. Field inspection by the ship LESTER JONES in 1951 was applied to the manuscript during final review. Only the Lake Bay and Quillian Bay areas were affected by this inspection.

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

The area is covered by the following photographs:

Nine-lens (1947-1948)	Single-lens (1954)
19712 through 19718 23600 through 23605	54 W 2366 through 2369 54 W 2455 through 2460
23636 through 23637	54 W 2467 through 2472 54 W 2518 through 2530

It is not known if the 1954 photography was used to update this map.

There is no compilation east of longitude 148000'. Mapping is complete west of this longitude.

It does not appear that data was furnished for hydrographic support; hydrography was accomplished in 1948.

There was no data available to the final reviewer stating that field edit had been performed.

Final review was done at the Atlantic Marine Center during June 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 enjunction 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 Bassage, Pigot Bay, and heads of Blackstone Bay, Cochranc 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-9133

PROJECT PH-152

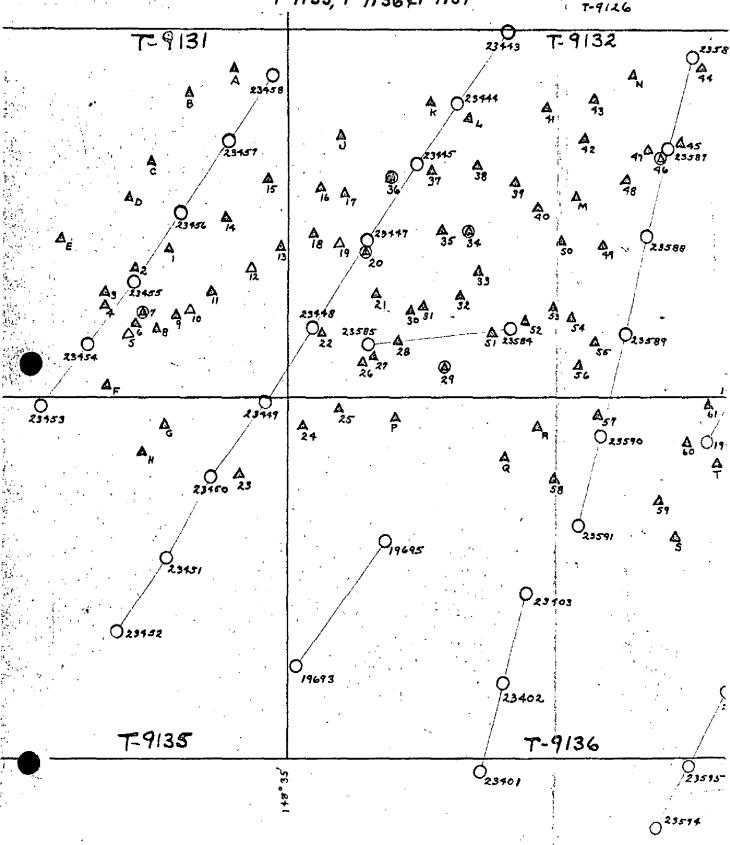
A Radial Plot Report is mentioned in Item 32 of the Compilation Report for T-9131, 9132, and 9133. This plot report was not available at the time of final review and is not bound with this Descriptive Report.

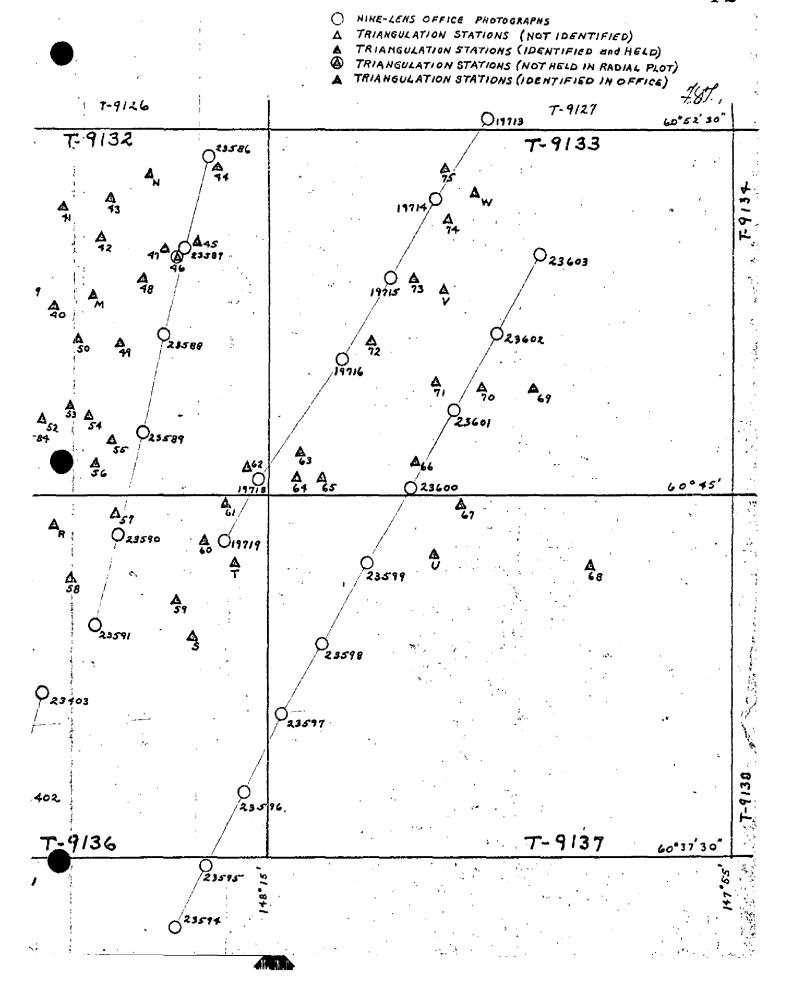
The following sketch (original bound with T-9135) is for the 1950 plot.

July 15, 1970

LAYOUT SKETCH PROJECT PH-39 (48) SURVEYS T-9131, T-9132, T-9133, T-9135, T-9136 &T-9137









DESCRIPTIVE REPORT CONTROL RECORD

SCALE FACTOR SCALE OF MAP 1:20,000 PROJECT NO. PH-152 MAP T. 9133

N.A. 1927 - DATUM N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) ORWARD																			9776						1
N.A. 1927 N.A. 1927 DISTANCE FROM GRID IN METERS (1 FL = FORWARD	849.8	618.6	1022.9	674.7	1540.6	276.2	962.9	707.1	870.8	748.7	1532.9	750.5	160.8	634.4	467.1	111.7	942,8	462.5	580.7	209.5	1804.8	510.8	1833.6	750.7	DATE / OI 20
LATITUDE BECKNERDERREE LONGITUDE BECKNERDERREE	27.455	1,0.847	33.049	, 545° th	49.774	18.290	31.111	769.695	28.135	7 064.64	49.526	119•61	05.194	41.880	15.09	07.40	30.46	30.60	18.76	13.86	58.31	33.77	59.24	52.36	F
LATITUDE	60 45	37,8	67 09	148 08	60 50	148 07	54 09	148 08	60 47	148 07	60 47	148 06	50 45	147 57	60 51	50 841	617 09	148 07	61 09	148 07	74 09	00 841	60 50	147 59	CHECKED BY
DATUM		NA 1927		44		Ħ		#		=	ı	=		=	I	=		=	I	=		=	-	Ľ	<u>*</u>
SOURCE OF INFORMATION (INDEX)		Vol. VI, P. 52		" 53		" 53		5		<u>π</u>		" 61		50		n 75		75		" 75		98 "		" 73	DATE 6 22 20
STATION																						1914		1947	Ę
4 1 2		BASE 1912		BIRD 1947		BOWL 1947		CUIROSS 1914		EST 1912		ESTHER 1914		LIME 1912		PEAK N 1947		PEAK 0 1947		PEAK P 1947		PEAK NO. 20		PEAK NO. 52	COMPUTED BY



DESCRIPTIVE REPORT CONTROL RECORD

	MAP T- 9133 PROJECT NO.	T NO. PH-152		SCALE	LE OF MAP		1:20,000	SCALE FACTOR	TOR
1	STATION	SOURCE OF INFORMATION (INDEX)	r S	DATUM	, r	ATITUDE ONGITUDE	LATITUDE SKAROCKKRODISKIDE LONGITUDE SKOCKROSIDKIRKS	DIS	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Pt. = 3048006 meter) FORWARD (BACK)
					09	147	56.65	175	1753.4
P	PEAK NO. 53 1947	Vol. VI, P.	. 72	NA 1927	148	8	15.76	23	238.4
					9	45	32.260	66	998.5
Α.	PETER 1948	=	45	=	148	13	39.602	59	7.665
			•		9	ß	41.717	129	1291.3
וים	PITCH 1947	11	17	11	3778	07	37.585	95	567.3
					09	147	10,198	31	315.6
죄	POINT ESTHER LIGHT 1947	=	99	=	148	રુ	54.127	81	819.0
					9	94	07.253	22	224.5
α,	PORT 1914	z.	У.	2	148	ដ	37.814	57	571.9
					9	115	23.862	73	738.6
S	SCARE 1948	=	45	=	148	12	45.510	89	689.2
					8	45	53.815	166	1665.7
<u>8</u>	SPLIT (SPILT 1914) 1947	Ξ	9	=	148	13	38.337	28	580.5
					9	147	54.581	1689.4	7.6
Ŋ	STO 1912	=	51	=	147	28	16.451	24	248.8
					9	1,7	10.104	31	312.7
	TIN 1912	=	w	=	148	Ω,	53.683	81	812.3
					9	1,7	09,629	29	298.0
Ĥ	TWIN 1947	E	亿	=	148	03	30.771	917	79.59
					9	94	57.222	1771.1	
	1WO 2 1,911	=	77	=	1718	덩	57.758	87	874.1
				-					
N.	сомритер ву	рате 6-23-70	Q.		CHECKED BY	}	LFB	DATE	1 02-712-9
				_					Ł

COMPILATION REPORT Washington Office

31. Delineation:

Shoreline, Contours, and all cultural frature, were delineated simultaneously on the Reading Placeter, noted "A". Inspection was used as a guide during this cellmostion and applied finally during manuscript compilation. Proto coverage was complete for the area mapped the thes adjacent to the coast to a depth reaching the general line of sigh peaks beyond which visibility from shipboard as obglured: this did Mallow the completion of the land was salling within the limits of any one quadrangle. The homepostion 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 shore distance muong its north coast. More area could have been mapped using this same photography had the additional inspection been make along with control identification. Mapped areas are sompleve within the limits to which the mapping was extended.

32. Control:

Reference side-heading 23 of the Radial Flot 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, 449, 449, 449, 455, 455, 456, 383, 384, 584, 585, 586, 587, 587, 588, 589, 589, 589, 500, 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.

(F) T-7042, May 1947, 1:10,000 and 2,500, Pigot Bay, Port Wells, Prince William Sound, Alaska, Ship

DERICKSON, H.Arnold Karo comag.

(8) T-7073,a&b, 17 July 1948, 1:10,000, Passage Canal, Prince Willaim Sound, Alaska, Ship DERICKSON, H.Arnold Karo comdg.

(a) Hydrographic Surveys:

(1) H-3408, 1912 season, 1:20,000, Perry Island Passage, Prince Willaim Sound, Alaska, Ship TAKU, Rude omdg.

(2) H-3538, 1913 season, Passage Canal, Prince William

Sound, Ship TAKU, Gilbert T. Rude comdg.

(3) H-3676, 1914 season, I:20,000, Vicinity of Perry Island, Prince Willaim Sound, Alaska, Ship EXPLORER, R.S.Patton comdg

(\$) 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) n-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 comag.

(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 choreline was qually assignate except in Whittier and has been applied to the ear manuscript after compilation of the plotting instrument work sheets. The photography was taken ger ween the time of high tide causing wery little low-wester and/or shoel lines to be located; no attempt has been made to extend these lines in the office.

36. Dffshore Details:

Most offshore details were close in %o ghose and ware covered in shoreline features in side-heading 38 shove.

37. Landmarks and Aids:

See Nautical Chart Branch file "Chart-Letter File Fo 2014 (1949), letter to the Director under data of ledger by the Glendon E.Boothe as commander of the Shap FIREONEON, subtained "Landmarks for Location of Floating Alas to havigation al. Orca Inlet", wherein the following information is listed?

- (a) Landmarks which fall entirely within the simute of mat 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 Eights of map manuscript T-9132: (1) Point Pigot Light.

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

No Prominent abjects for landmarks were mergioned or recommended in reports of 1912-14 surveys in the ages 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. Junetions:

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 compete 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 ident-ification 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°45'N by 148°45'W to 60°41' by 148°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. Comeprison with Nautical Charts:
- 4. See Supplemental Data, side-heading 33, this report.
 6. Marka, South Coast, Find William Sound, Western God, 16. 85/7,
 48. Geographic Name List: 1:80,000, Authority of Sept 1950

See separate page following.

- 49. Notes for the Hydrographer:
- 50. Compilation Office Review: See T-2 form following.

Submitted by:

Orvis N. Dalbey
Cartographer-Photogrammetric

Approved and Forwarded by:

Louis J. Reed

Photogrammetric Engineer, Chief, Stereoscopic Mapping Section

August 21, 1970

GEOGRAPHIC NAMES FINAL NAME SHEET PH-152 (Alaska)

T-9133

Chugach National Forest

Culross # Bay

Culross Island

Culross Passage

Esther Island

Esther Lake

Esther Rock

Granite Bay

Hodgkins Point

Lake Bay

Point Culross

Point Esther

Port Wells

Quillian Bay

Wells Passage

Approved by:

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.

FORM 1002 - PHOTOGRAMMETRIC OFFICE REVIEW

MAP T-9133

PROJECT PH-152

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

FIELD EDIT REPORT .

MAP T-9133

PROJECT PH-152

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

REVIEW REPORT T-9133

TOPOGRAPHIC

JUNE 25, 1970

61. GENERAL STATEMENT:

See Summary, which is page 6 of this Descriptive Report.

An ozalid comparison print (pages 26 through 30), with differences noted in Items 62, 63, 64, and 65, is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Shoreline comparisons were made with Surveys Nos. T-3278 and T-3278a, both at 1:20,000 scale and both dated 1912. These did not extend north of latitude $60^{\circ}49^{\circ}$; no comparison with registered topographic surveys was made north of this latitude.

Differences between these registered surveys and T-9133 are shown on the comparison print in blue.

The general trend of the shoreline is the same, but there are many differences in placement; the larger differences being in the Lake Bay and Quillian Bay areas.

T-9133 supersedes previous topographic surveys for chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A shoreline comparison was made with U.S.G.S. Quadrangles SEWARD (D-3) and (D-4), ALASKA, scale 1:63,360, dated 1952. Differences between these surveys and T-9133 are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a verified copy of H-8608, scale 1:10,000, dated 1961. The only coverage was in the vicinity of Culross Passage. Differences with T-9133 are shown with purple pencil on the comparison print bound with the original of this Descriptive Report.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8517, scale 1:80,000, 9th Edition, dated April 28, 1969. Differences with this chart and T-9133 are shown in red on the comparison print.

Large differences were indicated on the west side of Esther Island between latitude 60° 49' and 60° 52.5', at the head of Lake Bay, and in Quillian Bay. Shoreline at the northeast corner of Culross Island is displaced approximately 5 mm. The shoreline of Lake Esther on the chart is only an approximation. It is realized that the enlargement of the chart has much to do with these discrepancies.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with Job Instructions, Bursau 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 26, 1970

Approved:

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

Approved:

Chief, Photogrammetric Branch

Jack E. Luth
Ghief, Photogrammetry Division

	26
7'	COMPARISON PRINT Blue = Registered Topo Surveys
	Purple = Hydrographic Surveys Red = Chart 8517 Brown = U.S.G.S. Quad SEWARD (D-4)
	H-8606
46'	SPLIT (SPILT 1914) 1947.
awash Mily	70
(6) (5) awash Miles	SCARE 1948
60 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	335 695 CULROSS ISLAN
	X 395 BP
148°15'	13' 12' 148° 11'

0	COMPARISON PR Blue = Reg. Topo. Surv Red = Chart 8517		25601 27 P 4 S S A
	Brown = U.S.G.S. Quad	SEMARD (D-4)	46'
365	2000 X CULROSS BAY	BASE 1912 WOOTH MHW AMOUNT M	
-148	ASTORAGE	graves beach	60° 45' 00" 07' - \Delta =
0			

