

10398

ORIGINAL

10398

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (PHOTOGRAMMETRIC)
Field No.	Office No. T-10398
LOCALITY	
State	ALASKA
General locality	DAVIDSON INLET
Locality	EAGLE ISLAND TO MARBLE PASSAGE
1953 - 1956	
CHIEF OF PARTY Robert A. Earle, Chief of Field Party Wm. F. Deane, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10398

PROJECT NO. (II): PH-87		
FIELD OFFICE (II): USC&GS Ship HODGSON		CHIEF OF PARTY R.A. Earle
PHOTOGRAMMETRIC OFFICE (III): Baltimore, Maryland		OFFICER-IN-CHARGE E.H. Kirsch W.F. Deane
INSTRUCTIONS DATED (II) (III): Field: 3 June 1953 Office: 17 Dec. 1953 28 Dec. 1953 7 Nov. 1955 23 Dec. 1954 13 Nov. 1956 25 Jan. 1955 23 Nov. 1956		
METHOD OF COMPILATION (III): Graphic		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): N.A. 1927		VERTICAL DATUM (III): MHW XXXXXXXXXX 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): NEST, 1904		
LAT.: 55° 53' 29.049"	LONG.: 133° 28' 19.552"	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): X =		STATE Alaska
		ZONE 8
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.		

DESCRIPTIVE REPORT - DATA RECORD

T-10398

FIELD INSPECTION BY (III): <i>Control operations (no report) -</i> J.P. Randall, A.M. Legako <i>(Control operations & edit) -</i>		DATE: <i>1955</i> 1956 Field Season
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Office interpretation of 1953 photography verified by field inspection in 195 <i>8.6</i>		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE 11-30-55
PROJECTION AND GRIDS CHECKED BY (IV): A. Riley		DATE 11-30-55
CONTROL PLOTTED BY (III): B. Kurs, F.M. Wisiecki		DATE 01-20-56
CONTROL CHECKED BY (III): F.M. Wisiecki, A. Queen		DATE 01-23-56
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): L.A. SENASACK (FINAL Plot) E.L. Williams (Preliminary Plot)		DATE 14 JAN. 1957 03-21-56
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R.M. Whitson <i>(FINAL COMPILATION)</i>		DATE 02-06-57
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser		DATE 02-15-57
REMARKS: THE 1956 FIELD INSPECTION CONSTITUTED AN EDIT - APPLIED BY THE COMPILED IN FEB. 1957.		

DESCRIPTIVE REPORT - DATA RECORD

T-10398

CAMERA (KIND OR SOURCE) (III):

USC&GS Nine-lens

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
41486 thru 41489	8-22-53	1038	1:10,000	7.3' above MLLW
41519	8-22-53	1103	1:10,000	7.9' above MLLW

TIDE (III) FROM PREDICTED TIDES

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sitka		7.7	9.9
COORDINATE STATION: Marble Pass		8.8	10.9
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, Atlantic Marine Center

DATE: Jan. 1969

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 4

RECOVERED: 4

IDENTIFIED: 2

NUMBER OF BM(S) SEARCHED FOR (II): 0

RECOVERED: 0

IDENTIFIED: 0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

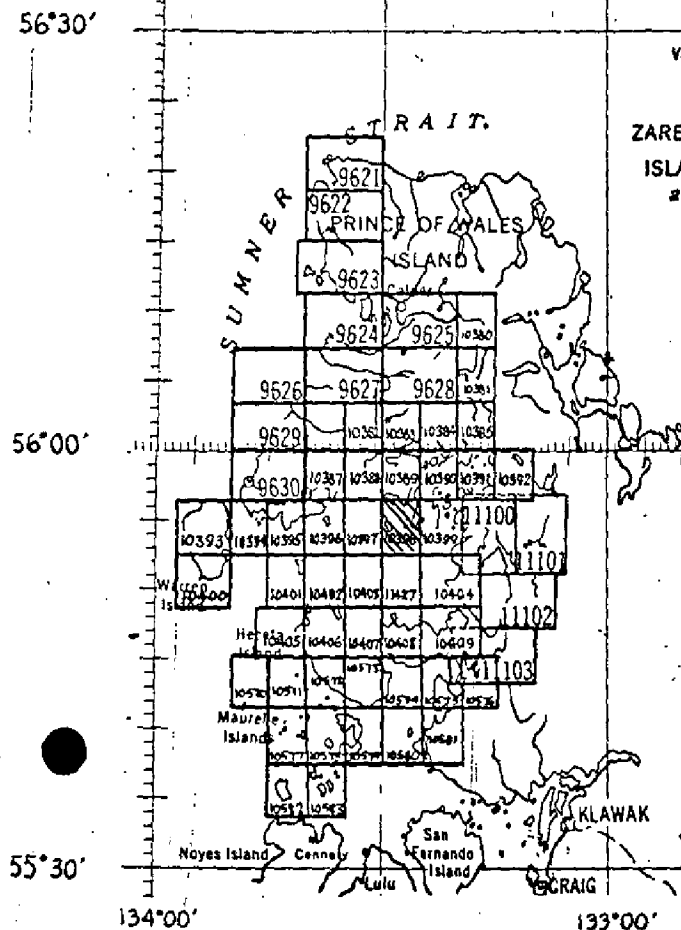
REMARKS:

T-10398

COMPILATION RECORD	COMPLETION DATE	REMARKS
COMPILED (INCOMPLETE) Compiled (ADVANCE)	1956 Feb. 1957	IN SUPERSEDED SUPERSEDED
Final Review	Jan. 1969	

SHORELINE MAPPING PROJECT PH- 87

Prince of Wales Island, Alaska



Project Ph-87 Official Mileage for Cost Accounts

Sheet No.	Area Sq.Mi.	Lin. Mi. Shoreline
9621	12	10
9622	16	11
9623	15	7
9624	17	12
9625	21	11
9626	4	5
9627	15	15
9628	14	2
9629	5	6
9630	7	6
11100	32	16
11101	9	8
11102	18	10
11103	16	15
10380	6	4
10381	5	10
10382	8	2
10383	6	8
10384	7	5
10385	4	8
10386	9	1
10387	6	7
10388	3	6
10389	7	12
10390	6	16
10391	4	12
10392	8	7
10393	12	10
10394	2	4
10395	5	8
10396	2	4
10397	1	1
10398	3	5
10399	4	11
10400	6	8
10401	1	2
10402	2	3
10403	3	6
11427	1	1
10404	5	10
10405	2	2
10406	8	1
10407	8	2
10408	5	7
10409	10	10

10570	1	1
10571	1	1
10572	5	6
10573	6	2
10574	3	4
10575	2	4
10576	7	2
10577	1	1
10578	2	2
10579	1	6
10580	2	2
10581	12	9
10582	2	6
10583	2	5

TOTAL 412 378

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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10398

Shoreline survey T-10398 is one of 58 similar surveys in project PH-87. It covers the area from Eagle Island in the southwest to Marble Passage in the northeast. See page 5 for the position of the survey within the project. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support data for hydrographic surveys.

This survey was originally compiled as an incomplete manuscript. After field inspection in 1956 it was revised in accordance with field inspection notes and classified as an advance manuscript. * see below

Compilation was at 1:10,000 scale by graphic methods using the nine-lens photography of August 1953. A cronaflex copy of the manuscript along with a blue line tracing, ozalids, and specially prepared photographs were subsequently provided for preparation of the boat sheet, field edit use and location of photo-hydro signals.

The manuscript was a vinylite sheet $3\frac{3}{4}$ minutes in latitude by 5 minutes in longitude which was smooth drafted and reproduced on cronaflex. One cronaflex positive and one negative are forwarded for record and registry.

* A NEW RADIAL PLOT WAS ASSEMBLED - BASED ON CONTROL IDENTIFIED IN 1956.

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FIELD INSPECTION REPORT

FOR

DAVIDSON INLET, WHITE CLIFF PASSAGE,
SEA OTTER SOUND, AND EL CAPITAN PASS

1956 FIELD SEASON

MANUSCRIPTS NO'D. 10397 - 10399; 11427
- 10404; and 11100 (PART).

2. AREAL FIELD INSPECTION:

The area covered by this report lies along the northern part of Sea Otter Sound between the eastern shores of Davidson Inlet and the southern reaches of El Capitan Pass. It includes areas around White Cliff Passage, Cyprus Cove, etc..

There are no habitations within this area.

Densities and tones were not inspected on the land. In the water areas, shoals and kelp which were discernable, were noted on the photographs or boat sheets.

Photographic coverage was poor over large areas due to the elongated shadows and the varying densities of the photographic prints.

3. HORIZONTAL CONTROL:

White Cliff Passage and Hoot Island Rock navigational lights were located by triangulation. Hoot Island Light was also identified on the photographs.

4 & 5. Inapplicable.

6. WOODLAND COVER:

All land areas, with the exception of small logged off areas and muskeg, are covered with dense coniferous trees.

7. SHORELINE AND ALONGSHORE FEATURES:

(a). The shoreline was inspected from the beach at all photo-hydro stations and from the boat at all other locations.

- (b). The low water line corresponds with the offshore edge of the light color tone on alongshore and offshore shoal features.
- (c). The foreshore consists of rock and boulders with a few areas of sand and gravel at the head of bights.
- (d). No bluffs or cliffs are noteworthy other than White Cliff which is already noted on Chart 8171. All bluffs though unimportant to navigation have been noted on either manuscripts or photographs.

8. OFFSHORE FEATURES:

All apparent offshore features were visited and where it was possible landings were made. All visible rocks and shoals were defined on the field photographs and the heights or depths, times and dates pertaining to each feature were noted. All heights were estimated and all depths were measured.

All rocks not visible on the photographs were located by the hydrographer. All objects which were erroneously identified by the compiler were noted on the photographs and or on the manuscripts.

9. LANDMARKS AND AIDS:

The two fixed aids to navigation, which were located by triangulation are:

- 1. White Cliff Passage Light
- 2. Hoot Island Rock Light

10. INAPPLICABLE.

11. OTHER CONTROL:

Following this paragraph is the list of photo-hydro signals. The method used for their location is also given. The information necessary for the location of the signals is given on the back of the field photographs. Certain specified signals, on Manuscripts T-10399 and T-11100, must be replotted using photographs with centers that fall over the area. These

photographs were not available, thus it was necessary to locate these few signals by radial plot from distant photographs.

PHOTO HYDRO SIGNALS BY MANUSCRIPTS

NAME	METHOD LOCATED	NO. PHOTO	MANUSCRIPT NO.
AMY	Direct	41484	T-10397
ANT	"	"	"
BUS	"	"	"
CAR	"	"	"
DIX	Angle & Dist.	"	"
EMO	Direct	"	"
FRY	"	"	"
HOE	Angle & Dist.	"	"
RUT	Direct	"	"
AHA	"	41519	T-10398
ALP	"	41520	"
ANN	Angle & Dist.	41487	"
AXE	Direct	41519	"
BAT	"	41488	"
BOX	"	"	"
BUM	"	41519	"
CRY	"	41488	"
CUR	"	41484	"
DIM	Angle & Dist.	41488	"
DON	Direct	41519	"
DOT	"	41488	"
ELM	"	"	"
ERA	Angle & Dist.	41519	"
FIL	Direct	41488	"
FAT	"	41519	"
FIX	"	"	"
FLY	Angle & Dist.	41488	"
FUN	Direct	41519	"
GAD	"	41484	"
GIG	"	41488	"
GOT	"	41519	"
GUS	"	41487	"
HAT	Angle & Dist.	41484	"
HIS	Direct	41519	"
HUB	"	41487	"
ICE	Angle & Dist.	"	"
ITS	Direct	"	"
JAR	"	41520	"
JAW	Angle & Dist.	41519	"
JIB	Direct	41488	"
JIM	"	41487	"
JOB	"	41488	"
KED	"	41488	"
LET	"	41487	"
LIP	"	41519	"
LOG	"	41488	"
LOW	"	"	"

NAME	METHOD LOCATED	NO. PHOTO	MANUSCRIPT NO.
LOU	Direct	41519	T-10398
MAW	"	"	"
MOP	"	41487	"
MUM	Angle & Dist.	"	"
NEO	Direct	41519	"
NEW	"	41520	"
NIX	Angle & Dist.	41487	"
NOW	Angle & Dist.	41488	"
OBI	"	41520	"
ODD	Direct	41487	"
OHM	Angle & Dist.	41519	"
PIT	Direct	"	"
RHO	Angle & Dist.	41488	"
RIM	Direct	41519	"
RUB	"	"	"
SAM	"	"	"
SET	"	"	"
SON	"	"	"
THY	"	"	"
THE	Angle & Dist.	"	"
WAG	" " "	41518	"
WAR	" " "	41484	"
WAX	Direct	41518	"
WHO	"	41519	"
YAK	Angle & Dist.	41518	"
ZAM	Direct	"	"
ABE	Angle & Dist.	41520	T-10399
ACT	Direct	"	"
ART	"	52147	"
BAH	"	52164	"
BED	"	41520	"
BIB	"	"	"
BIG	Angle & Dist.	52146	"
BOB	Direct	"	"
CAT	"	41520	"
COP	"	52164	"
CUE	"	41519	"
DAW	"	52146	"
DAY	"	41520	"
DEB	Angle & Dist.	"	"
EST	" " "	"	"
FEW	" " "	"	"
GAL	Direct	"	"
GEE	"	"	"
GEL	"	52146	"
HAL	"	41519	"
HAW	"	41520	"
HID	"	41521	"
IDA	"	"	"
JOE	Angle & Dist.	"	"
KID	" " "	52147	"
KIM	" " "	41520	"

NAME	METHOD LOCATED	NO. PHOTO	MANUSCRIPT NO.
LAD	Direct	41520	T-10399
LEG	"	52146	"
MAR	"	"	"
NED	"	52147	"
OWL	Angle & Dist.	"	"
REV	Direct	41521	"
SEW	"	52164	"
SLO	Angle & Dist.	52164	"
TEA	Direct	41519	"
WEN	"	41519	"
WOE	"	41520	"
ACE	"	52165	T-10404
ADO	"	52164	"
BAG	"	52078	"
BOA	"	"	"
CON	"	"	"
DIP	"	52165	"
EBB	Angle & Dist.	"	"
FEZ	Direct	52078	"
HUM	"	"	"
JAY	"	52165	"
JUT	"	52078	"
KEN	"	52165	"
LAX	"	"	"
MAL	"	"	"
NUT	Angle & Dist.	"	"
OIL	Direct	"	"
PAD	"	"	"
QUO	"	"	"
ROT	"	"	"
SIG	"	"	"
TAX	"	"	"
VIA	Angle & Dist.	"	"
WAS	Direct	"	"
YAK	Angle & Dist.	52164	"
ZOO	" " "	"	"
CAB	" " "	52147	T-11100-A
DIF	Direct	"	"
EAR	"	52164	"
EGG	"	52147	"
FAR	"	52164	"
FIT	"	"	"
GEM	"	52147	"
HER	"	"	"
JOY	"	"	"
BON	"	52035	T-11127
CLU	Angle & Dist.	"	"

12. INAPPLICABLE.

13. GEOGRAPHIC NAMES:

A special report on Geographic Names will be forwarded.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA:

Forwarded to the Director:

- (1). Control Station Identification Cards forwarded 16 October via transmitting letter HDG-56-13.
- (2). Nine Lens Office Photographs forwarded 16 October via transmitting letter HDG-56-13.
- (3). Nine Lens Field Photographs forwarded 22 October via transmitting letter HDG-56-14.
- (4). Blue-line Tracings and Blackline Impressions forwarded via transmitting letter HDG-56-14.
- (5). Tidal Data.

15. NOTES TO THE COMPILER:

The shoreline as shown on these manuscripts was quite accurate except in the large and numerous shadowed areas. All shadowed shoreline was cut in by planetable or sextant angles and located on the photographs or manuscripts.

Numerous rocks must be inserted and a few deleted from the manuscripts. These were located on photographs and boat sheets.

No important jumps were noted in the sounding lines.

Approved and forwarded:

Robert A. Earle
Robert A. Earle,
CDR, USC&GS
Comdg., Ship HODGSON

Respectfully submitted

James P. Randall
James P. Randall,
Lt.(jg), USC&GS

PRELIMINARY PHOTOGRAMMETRIC PLOT REPORT

Project 6087

Surveys T-10383 thru T-10385,
T-10389 thru T-10391,
T-10398, T-10399, T-11100,
and T-11427

REFER TO PAGE 16-A FOR
FINAL PLOT REPORT.

21. AREA COVERED

This preliminary radial plot covers the area of the surveys listed above.

The geographic area encompassed by these shoreline surveys includes Token Bay on the north, Davidson Inlet on the west, El Capitan Passage on the east, and Sea Otter Sound on the south.

22. METHOD - RADIAL PLOT

Map Manuscripts:

Vinylite sheets with polyconic projections in black and U.T.M. Alaska grid in red at a scale of 1:10,000 were furnished by the Washington Office.

All control stations and substitute stations were plotted using the meter bar and beam compass.

Base sheets were prepared in this office.

A sketch showing the layout of surveys and distribution of control and photograph centers is attached to this report.

Photographs:

There are forty-six (46) nine-lens, unmounted photographs at a scale of 1:10,000 used in this plot, numbered as follows:

41483 thru 41490
41514 thru 41521
41529 thru 41537
41594 thru 41602
41637 thru 41641
41648 thru 41652
52034 and 52035

Templets:

Vinylite templets were made for all the photographs using a master templet to correct for errors due to paper distortion and chamber displacement.

Closure and Adjustment to Control:

This radial plot is an extension to the east of the plot for surveys T-9629, T-9630, T-10328, T-10383, T-10388, T-10393 thru T-10396, T-10400, and T-10401. Although much dependence had to be placed on the office - identified control throughout the plot, it was possible to effect a

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Closure and Adjustment to Control: (cont'd)

bridge from field-identified control on surveys T-10383 and T-10389 in the northwest to field-identified control on survey T-11100 in the southeast corner of the plot. This is a somewhat lengthy bridge and additional field-identified control is essential in order to ensure attaining the horizontal accuracy requirements, particularly on surveys T-10304 and T-10385.

A comparison between the radially plotted positions of the office-identified control and the geographic positions indicates that the probable horizontal error does not exceed 1.0 mm in the weakest portions of the plot.

Transfer of Points:

Each map manuscript was placed over the finished plot, oriented, and the positions of all pass points and photograph centers were then pricked on the manuscript.

Of these manuscripts, only surveys T-10383, T-10389, T-10398, and T-11127 were inked and passed on to the compilers. The pass points and photograph centers on the other surveys were not inked. Unless further instructions are received from the Washington office, these surveys numbered T-10304, T-10385, T-10386, T-10390, and T-10391 will not be inked or compiled until field identified control is available and the plot is relaid.

23. ADEQUACY OF CONTROL

This was a preliminary radial plot based for the most part on office-identified control. A layout on which is indicated the control stations which should be identified was submitted to the field party. With these stations identified, there should be adequate control for a final radial plot.

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

The photographic coverage and definition of photographs used in this plot were good.

26. CONTROL STATION OFFICE NOTES

A cahier numbered "No. 2 of 2" containing a card for each office-identified station within the limits of this plot was submitted to the field party. These cards should aid the field man in recovering and identifying the triangulation stations. On each card is a sketch of the area near the probable location of the station, as well as photographic data and the published description.

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25. CONTROL STATION OFFICE NOTES (cont'd)

The sketch on the card is generalized. A sketch made by the field man while at the station site is preferred.

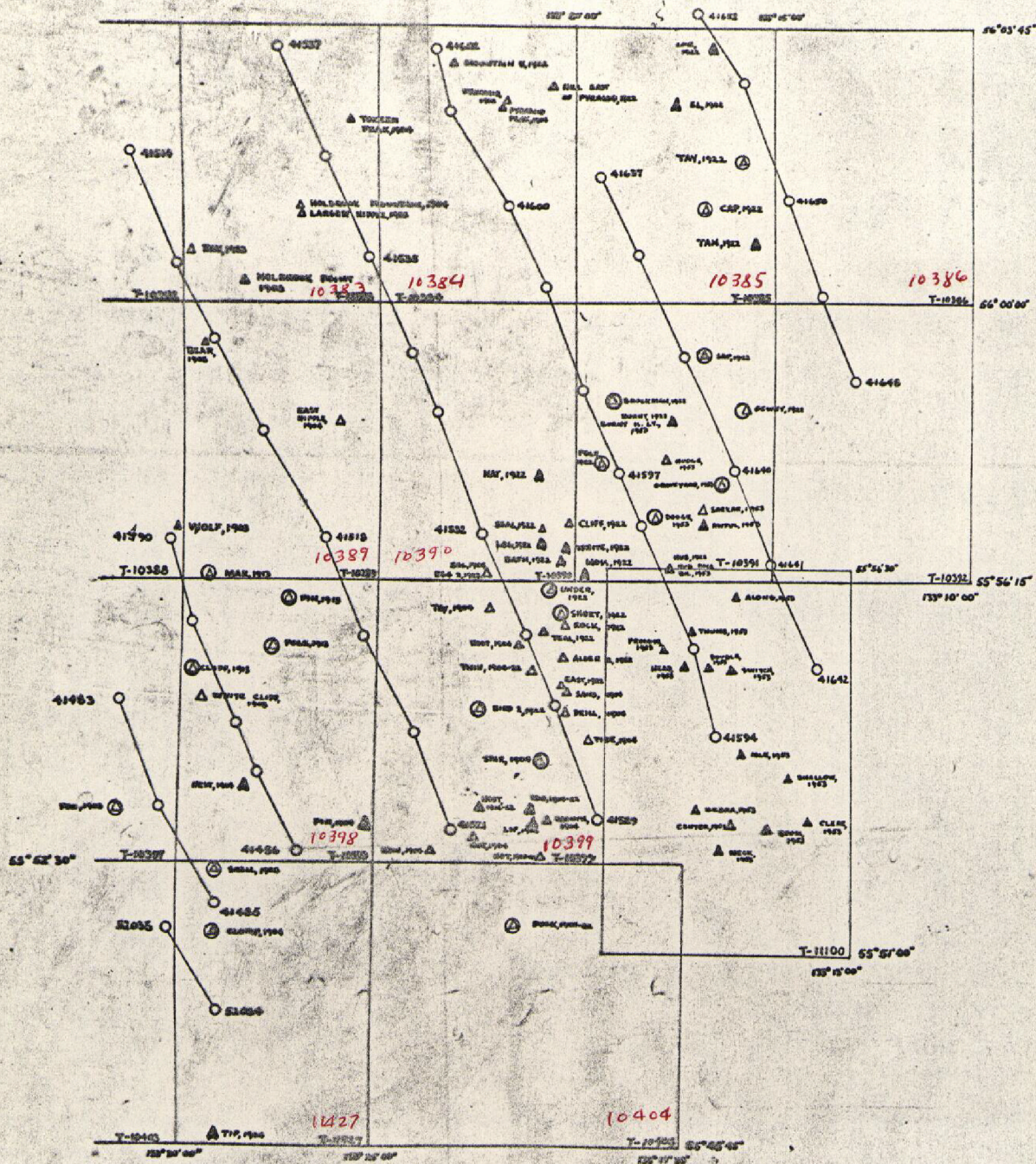
Respectfully submitted
4 April 1956

E. L. Williams
Carto. (Photo.)

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PROJECT 6087
SURVEYS: T-10383 thru T-10386
T-10389 thru T-10392
T-10398, T-10399, T-10404, T-11100
T-11427

ORIGINAL SKETCH INCLUDED
IN THE DESCRIPTIVE RE-
PORT FOR T-10391



- ⊙ Room lamp off on photographs
- △ Control station (Front desk & hall in plan)
- △ Control station (not photograph)
- ⊙ First guard near station
- ⊙ First guard within entrance of station

SUPPLEMENTARY PHOTOGRAMMETRIC PLOT REPORT
PROJECT 27070
Surveys T-10397 thru T-10399
T-10404 & T-11427

This plot covers the east part of Davidson Inlet and parts of Sea Otter Sound and El Capitan Passage.

This plot was made to verify the Preliminary Radial plot.

The area between FOX, 1903 and CLUMP, 1904 moved between 0.6 and 0.7 mm to the southwest. The area between PIN, 1904 and EAST, 1922 moved between 0.5 and 0.6 mm to the southeast.

Two field identified control stations could not be held in this plot. The radial plotted position for MID, 1904-22 (T-10399) falls 4.7 meters to the southwest. The radial plotted position for ROCK, 1922 (T-10399) falls 3.0 meters to the northeast. Both of these stations were identified direct in the field. No reason for this was discovered in this office due to lack of sufficient field information; so it was assumed they were misidentified.

Station FOX, 1904 caused considerable trouble. When the identification card was received from the field, the angle to the substitute point was missing. Following correspondence with the Seattle office, the information was finally located in geodetic records in the Washington office. When an attempt to hold the position of Sub. Pt. FOX, 1904 failed, a stereoscopic examination showed that the station was misidentified. The sub. pt., described as the highest point on the island, was identified on field photograph 41484 on a low rocky point. Using the description of the station and all available data on identification card and recovery note, it was decided that the original identification of the station used in the preliminary radial plot should be used. The station was held, and resulted in a good rigid plot with two other field identified stations: NEST, 1904 and SHELL, 1904.

NO SKETCH FOR THIS PLOT REPORT
COULD BE FOUND - AHB

Respectfully submitted
14 January 1957

Leroy A. Senasack

Leroy A. Senasack
Carto. Photo. Aid

SCALE FACTOR

1 FT. = 3048006 METER	COMPUTED BY: H. R. Rudolph	DATE: 13 January 1956	CHECKED BY: F. M. Wisiedo	DATE: 16 January 1956	COMM-DC-5784-
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COMPILATION REPORT
T-10397,
T-10398

~~THE~~ Photogrammetric Plot Report^{5 are} is part of ^{this} ~~the~~ Descriptive Report. ~~for~~
~~surveys T-10382 through T-10384.~~

31. DELINEATION

These manuscripts were delineated by graphic methods. In areas where the shoreline was obscured by shadows or relief dieplacement, the shoreline was shown with a broken line where field inspection was not furnished.

32. CONTROL

Refer to the Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

Copies of the following boat sheets were available for purposes of comparison:

H-8288 (HO 1356 & HO-1356A)
H-8289 (HO 1456)

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.
Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

These manuscripts were delineated by office interpretation and corrected using field inspection obtained during the 1956 season. See item 15 of the field report. In the area of Eagle Island the shoreline was redelineated due to changes in the radial plot.

The stages of tide at the time of photography were computed to be near high tide. The edge of the water was delineated as the shoreline.

All the ledge areas visible on the photographs were delineated.

36. OFFSHORE DETAILS

Refer to item 8 of the field report. The foul and kelp lines have been revised to show the delineation furnished by the field party.

37. LANDMARKS AND AIDS

Form 567 has been submitted for White Cliff Passage Light (T-10398).

38. CONTROL FOR FUTURE SURVEYS

Form 524 has been submitted for station NIPE, 1956 (T-10398), not listed in item 11 of the field report. The position was furnished by the field party.

Refer to item 11 of the field report for a list of the seventy-three photo-hydro signals located on the blackline impressions of these manuscripts by the field party. Of these, twelve have been relocated due to changes in the radial plot. (See Item 49 for names of signals).

39. JUNCTIONS

Junctions between these surveys and with adjacent surveys in this project have been made.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report.

41 - 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS Craig quadrangle, scale 1:250,000, edition of 1952.

47. COMPARISON WITH CHARTS

Comparison was made with the following charts:

<u>Number</u>	<u>Scale</u>	<u>Edition</u>	<u>Corrected to:</u>
8120	1:20,000	May 1954	10/15/55
8171	1:40,000	Jan. 1956	---

Items to be applied to nautical charts immediately:

None.

Items to be carried forward:

None.

Respectfully submitted
11 February 1957

Joseph W. Vonasek
Joseph W. Vonasek
Carto. (Photo.)

Approved and Forwarded

William F. Deane
William F. Deane,
CDR, C&GS
Baltimore District Officer

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-87 (Davidson Inlet, Alaska)

T-10398

Cyrus Cove

Davidson Inlet

Dove Island

Eagle Island

Marble Island

Marble Passage

Orr Island

Owl Island

Sea Otter Sound

White Cliff

White Cliff Island

White Cliff Passage

Approved by:

A. Joseph Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

Due to a change in position of the shoreline, following field identification of control stations SHELL, 1904 and FOX, 1903, the positions of the following hydrographic signals were replotted on the map manuscripts:

T-10397

GAD
HAT
ICE

T-10398

AMY
ANT
BUS
CAR
DIX
EMO
FRY
HOE
RUT

PHOTOGRAMMETRIC OFFICE REVIEW

T-10397 & T-10398

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

CONTROL STATIONS

4a. Classification label ☒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. R. Glaser
ReviewerJoseph Steinberg
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:

FIELD INSPECTION OR EDIT ACCOMPLISHED IN
1956 WAS APPLIED BY THE COMPILER

M-2623-12

REVIEW REPORT T-10398
SHORELINE
JANUARY 27, 1969

61. GENERAL STATEMENT:

See Summary which is page 6 of this report.

There is no field edit report or field edit sheet for this survey. The survey was compiled as an incomplete manuscript. Field inspection was completed in 1956, the manuscript was then revised in accordance with field inspection notes and classified as Advance.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with a copy of Registered Survey No. 2691, a 1:20,000 scale survey made in 1904. The passage of time has made that survey obsolete. Survey T-10398 supersedes the older survey for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS CRAIG (D-5) ALASKA, 15 x 20 minute quadrangle, 1:63,360 scale quadrangle, edition of 1951. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of reviewed surveys H-8288 and H-8289. Because of the stage of the tide at the time of photography all of the rocks located by the hydrographer could not be verified photogrammetrically. These have been indicated on the comparison print in purple.

* A NEW RADIAL PLOT WAS ASSEMBLED IN JAN. 1957. THE
MANUSCRIPT WAS COMPILED (CORRECTED) TO REFLECT
BOTH THE NEW PLOT AND 1956 FIELD INSPECTION OR
EDIT IN FEB. 1957.

AMS

Survey T-10398 was the source of the shoreline for these two hydrographic surveys within the area covered by T-10398. There are therefore no discrepancies between the shoreline of the surveys.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with chart 8171, 8th edition, June 10, 1968. All of the rocks appearing on the chart that are not visible on the photographs have been indicated on the comparison print in red.

The shoreline of the chart and T-10398 is in good agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with instructions and meets the National Standards of Map Accuracy.

Field photograph 41489 and 41490 were the only photographs with field inspection notes available at the time of final review. Office photographs 41486 thru 41489 and 41519 were used for final review.

Approved by:

Reviewed by:

For AL Stark
Allen L. Powell, RADM USESSA
Director, Atlantic Marine Center

Leo F. Beugnet
Leo F. Beugnet

Approved by:

Charles L. Shuman
Chief, Photogrammetric Branch J803

R. H. Houlster
Chief, Photogrammetry Division

Chief, Nautical Chart Division

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

AIDS TO NAVIGATION

STRIKE OUT ONE

Seattle, Wash.

28 Nov. 1956

[illegible]

The positions given have been checked after listing by

Robert A. Earle

CDR, C&GS

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *monuments*