

10389

10389

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey (SHORELINE (PHOTOGRAMMETRIC))	
Field No.	Office No. T-10389
LOCALITY	
State	Alaska
General locality	Davidson Inlet
Locality	Marble Island
1953 1957 1956	
CHIEF OF PARTY	
Robert A. Earle, Chief of Field Party	
Wm. F. Deane, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T- 10389

PROJECT NO. (II): PH-87		
FIELD OFFICE (III): USC&GS Ship LESTER JONES USC&GS Ship HODGSON		CHIEF OF PARTY G.A. Nelson 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 28 Dec. 1953 23 Dec. 1954 25 Jan. 1955 Office: 17 Dec. 1953 7 Nov. 1955 13 Nov. 1956 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 MEAN LOW WATER 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): BEAR, 1903		
LAT.: 55° 59' 33.747"	LONG.: 133° 29' 25.434"	<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

FIELD INSPECTION BY (II): P.A. Stark, C.W. Clark (CONTROL) J.P. Randall, A.M. Legako (EDIT)		DATE: 1955 1956
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Office interpretation of 1953 photography verified by 1956 field inspection.		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE Nov. 29, 1955
PROJECTION AND GRIDS CHECKED BY (IV): A. Riley		DATE Nov. 29, 1955
CONTROL PLOTTED BY (III): F.M. Wisiecki		DATE Jan. 17, 1956
CONTROL CHECKED BY (III): L.A. Senasack		DATE Jan. 23, 1956
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): E.L. Williams		DATE APRIL 4 Feb. 16, 1956
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): B. Wilson J.Y. Councill		DATE Jan. 18, 1957
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser		DATE Jan. 23, 1957
REMARKS: * REFER TO PAGE 2		

DESCRIPTIVE REPORT - DATA RECORD

T-10389

CAMERA (KIND OR SOURCE) (III):

Nine-lens camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
41516 thru 41518	8-27-53	1102	1:10,000	7.9' above MLLW
41490 & 41491	8-27-53	1040	1:10,000	7.3' above MLLW

TIDE (III)

From predicted tides

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Sitka, Alaska		7.7	9.9
SUBORDINATE STATION:	Edna Bay	1.1	8.6	10.8
SUBORDINATE STATION:				

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

DATE:
Oct. 1968

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	2	RECOVERED:	2	IDENTIFIED:	2
NUMBER OF BM(S) SEARCHED FOR (II):	0	RECOVERED:	0	IDENTIFIED:	0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

2/ *

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

REFER TO PAGE 22, HEADING 38

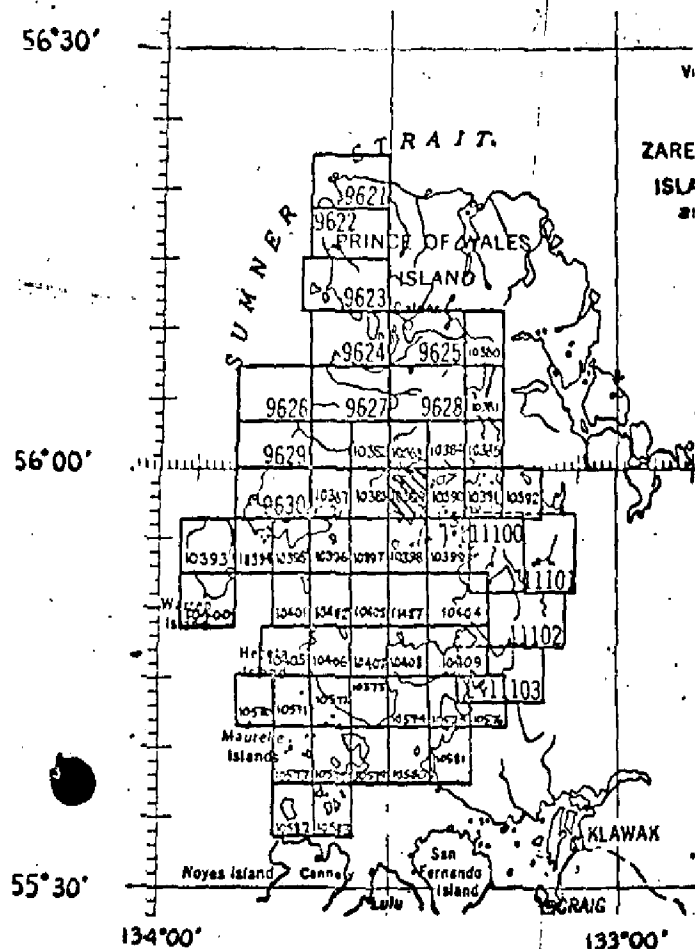
T-10389

COMPILATION RECORD	COMPLETION DATE	REMARKS
COMPILED (INCOMPLETE) Compiled (ADVANCE)	1954 Jan. 1957	SUPERSEDED SUPERSEDED
Final Review	Oct. 1968	

SHORELINE MAPPING PROJECT PH- 87

Prince of Wales Island, Alaska

10382



Project Ph-87 Official Mileage for Cost Accounts

Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
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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
10404	1	1
10405	5	10
10406	2	2
10407	8	1
10408	5	7
10409	10	10

10570	1	1
10571	1	1
10572	5	6
10573	6	2
10574	3	4
10575	2	1
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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10389

Shoreline survey T-10389 is one of 58 similar surveys in project PH-87. It covers the greater part of the shoreline of Marble Island. See page 5 of the Descriptive Report for the area covered within the project. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support data for hydrography in the area.

This survey was originally compiled as an incomplete manuscript. Field inspection of the area was accomplished in the summer of 1956. The manuscript was then corrected in accordance with the field inspection notes on the photographs and classified Advance.

Compilation was by graphic methods using the nine-lens photography of August 1953. A cronaflex copy of the manuscript along with a blueline tracing, ozalids and specially prepared photographs were furnished for preparation of the boat sheet, field edit use and location of photo-hydro signals.

The manuscript is 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 provided for record and registry.

~~REDACTED~~ ~~REDACTED~~ ~~REDACTED~~ ~~REDACTED~~

FIELD INSPECTION REPORT

FOR

DAVIDSON INLET, TOKEEN BAY

AND

MARBLE PASSAGE

1956 FIELD SEASON

MANUSCRIPTS 10382 to 10384 and 10387 to 10390 (Part)

2. AREAL FIELD INSPECTION:

The area covered by this report lies east and south of Kosciusko Island between Edna Bay and the east end of Token Bay and includes those shore and water areas that surround Marble Island.

Rock outcroppings are in general highly metamorphised limestone and shales. The limestone outcrops are distinguished by numerous solution holes which give them a pocked appearance, while the shales have maintained their stratification.

A black scale covers all alongshore rock outcroppings and boulders, that are exposed at high water. This scale varies in width according to the slope but is remarkably consistent in vertical span, beginning, as it does, approximately at the high water line and extending to an elevation of from four to six feet above it.

The "Falls Creek Lumber Company" at Edna Bay is the only occupied settlement within the area covered by this report.

The "Alcoa Mining Company" camp on the north shore of Edna Bay has been abandoned and is in ruins.

The Token and Missionary Quarries on Marble Island, are completely destroyed. Two buildings, near collapse, remain standing at Token and none at Missionary. There is a small trappers cabin directly across from Missionary Quarry.

In the water areas, shoals and kelp, which were generally easily discernable, were noted on photographs.

Photographic coverage was poor over some area due to elongated shadows and to the varying density of the photographic prints.

3. HORIZONTAL CONTROL:

d. Station WOLF 1903 was not reidentified as the time required for the establishment of a new sub station in an area adequately covered by more readily identified stations, was deemed unwarranted.

4 & 5. Inapplicable.

6. WOODLAND COVER:

Large lumbering operations on Kosciusko Island have left large patches, covered with low brush, in the coniferous forest. Other open areas are muskeg.

7. SHORELINE AND ALONGSHORE FEATURES:

- a. The shoreline was inspected from the beach at all photo-hydro signals 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.
- e. The floating pier and pipeline of the "Falls Creek Lumber Company" in Edna Bay was located and redrawn on the manuscript.

The inshore end of the Aloca pier on the north side of Edna Bay has collapsed. This was noted on the manuscript.

Only onshore vestigial remains could be found of piles and piers around Token; Marble Passage - Preliminary, Review Number 5; and Holbrook Arm - Preliminary Review Number 6.

8. OFFSHORE FEATURES:

All apparent offshore features were visited, and where it was feasible landings were made. All foul and kelp areas were delineated on the field photographs. Visible rocks were located and their heights or depths, times and dates or reference to MLLW, were noted. All heights were estimated and depths measured.

Many rocks which were not visible on the photographs, were located by the hydrographer. A few floating kelp patches were mistakenly identified by the compilers as growing. There were also a few instances of floating debris being mistaken for rocks.

9. LANDMARKS AND AIDS:

The two fixed and one floating aid to navigation in this area are:

1. Edna Bay Entrance Light
2. Edna Bay Inner Light
3. Edna Bay Buoy Number 2

10. Inapplicable.

11. OTHER CONTROL:

Following this paragraph is a list of photo-hydro signals and marked photo-topo stations. The method used for their location is also given. The information necessary for the location of signals is shown on the back of the photographs. All marked photo-topo stations are denoted by the year (1956).

<u>NAME</u>	<u>METHOD LOCATED</u>	<u>PHOTO NO.</u>	<u>MANUSCRIPT NO.</u>
FOG	Photo direct	41492	T-10382
GAS	" "	41515	"
ANN	Angle & dist.	41535	T-10383
BED	Photo direct	"	"
CAR	" "	"	"
DIG	" "	"	"
HEX	" "	41515	"
INK	" "	"	"
JUT	" "	"	"

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NAME	METHOD LOCATED	PHOTO NO.	MANUSCRIPT NO.
LEO	Angle & Dist.	41514	T-10383
MAL	" " "	"	"
NAG	Photo direct	41536	"
OLD	" " "	"	"
PAL	" " "	41514	"
ROC	" " "	"	"
SID	" " "	"	"
TIM	" " "	41515	"
TUB	" " "	"	"
UNA	" " "	"	"
VAL	" " "	"	"
WAX	" " "	41535	"
ZAG	" " "	"	"
ACE	" " "	41599	T-10384
AIM	" " "	41600	"
BIG	Angle & Dist.	41534	"
CAB	Photo direct	41600	"
DIP	Angle & Dist.	"	"
EEB	Photo direct	41535	"
EEL	" " "	41600	"
END	" " "	41599	"
FEW	" " "	41600	"
GAD	" " "	41535	"
GAL	" " "	41600	"
HER	" " "	41535	"
HUG	" " "	41534	"
IVY	" " "	41600	"
JAP	Angle & Dist.	"	"
JOE	Photo direct	41534	"
JOY	Angle & Dist.	"	"
KIME 1956	Photo direct	41535	"
LAM	" " "	41534	"
LAY	" " "	41600	"
MAG	" " "	41534	"
MAN	" " "	41600	"
NAT	" " "	41535	"
OIL	Angle & Dist.	"	"
RAG	Photo direct	41600	"
RID	" " "	41599	"
SAY	" " "	41600	"
SIS	Angle & Dist.	"	"
TAN	Photo direct	"	"
TRY	" " "	"	"
VEX	Angle & Dist.	"	"
WOO	" " "	"	"
ZOO	Photo direct	"	"
ANN	Photo direct	41452	T-10387
BED	" " "	"	"
FAT	" " "	41481	"
OWL	" " "	41487	"
PYL	" " "	41452	"
RAN	" " "	41687	"

NAME	METHOD LOCATED	PHOTO NO.	MANUSCRIPT NO.
SAD	Photo direct	41687	T-10387
TOP	" "	"	"
VAN	" "	41451	"
WET	" "	41452	"
YES	" "	"	"
ABE	" "	41492	T-10388
AVA	" "	41482	"
BOG	" "	"	"
BUT	Angle & Dist.	41492	"
CAT	" " "	"	"
DOG	Photo direct	"	"
EGG	" "	"	"
FIE	" "	41490	"
TRI	" "	41687	"
VET	" "	"	"
VON	" "	"	"
WAS	" "	"	"
WAT 1956	" "	41482	"
ZIP	" "	41687	"
AGO	Angle & Dist.	41519	T-10389
ALL	" " "	41516	"
ARM	" " "	41518	"
BEN	Photo direct	41516	"
COO	Photo direct	"	"
CON	" "	41518	"
CUE	" "	"	"
DAY	" "	41491	"
DIF	" "	41519	"
EAR	Angle & Dist.	41490	"
EGO	Photo direct	41518	"
ELF	" "	41516	"
FEE	" "	41490	"
GAG	" "	"	"
GEL	" "	41518	"
HAM	" "	41490	"
HID	" "	41518	"
ICE	" "	41490	"
ION	" "	"	"
ISI	Angle & Dist.	41533	"
JOK	Photo direct	41490	"
JON	" "	41518	"
KEN	" "	41489	"
LAD	" "	41490	"
LEG	" "	41518	"
LUX	" "	41534	"
MAR	Angle & Dist.	"	"
MOO	" " "	41490	"
NEO	Photo direct	41518	"
NIG	" "	41489	"
NIP	" "	41534	"
NOT	Angle & Dist.	41516	"
NOW	Photo direct	41491	"
OAK	" "	41518	"
ORA	" "	41516	"

NAME	METHOD LOCATED	PHOTO NO.	MANUSCRIPT NO.
PAD	Photo direct	41518	T-10389
PIX	" "	41533	"
POT	" "	41518	"
PUP	" "	41535	"
QUO	" "	41518	"
RAT	" "	41535	"
ROC	" "	41518	"
ROT	" "	"	"
ROY	" "	"	"
RUM	" "	"	"
SAD	" "	"	"
SAL	" "	41535	"
SAX	" "	41516	"
SKY	Angle & Dist.	41489	"
SLY	Photo direct	41518	"
SUB	" "	"	"
TAP	" "	"	"
TOM	" "	"	"
TOY	" "	41535	"
VAN	Angle & Dist.	41518	"
VET	" "	"	"
VIA	Photo direct	41516	"
WAD	" "	"	"
WAS	" "	"	"
YAM	" "	41519	"
YES	" "	41516	"
ZIG	Angle & Dist.	"	"
ADD	Photo direct	41534	T-10390
ADO	" "	41533	"
AMP	" "	"	"
BAG	" "	"	"
BAH	" "	"	"
BLU	" "	"	"
BOA	" "	"	"
BOB	" "	"	"
BRA	" "	"	"
CAM	" "	"	"
COD	Angle & Dist.	"	"
DAW	Photo direct	"	"
DIM	Angle & Dist.	"	"
DIX	Photo direct	"	"
DRY	" "	"	"
DUD	" "	41534	"
EAT	" "	41533	"
EVA	" "	"	"
FIG	" "	41599	"
FOR	" "	41533	"
GAM	" "	"	"
GEO	" "	"	"
GIN	Angle & Dist.	"	"
GUM	Photo direct	"	"
HEM	" "	"	"
HOE	" "	"	"
HON	" "	"	"
IDA	" "	"	"
IRK	" "	"	"

NAME	METHOD LOCATED	PHOTO NO.	MANUSCRIPT NO.
JAY	Photo direct	41533	T-10390
JUG	" "	"	"
KID	" "	"	"
LOP	" "	"	"
LUG	" "	"	"
MAX	Angle & Dist.	"	"
MID	Photo direct	"	"
MUG	Angle & Dist.	"	"
NIX	Photo direct	41534	"
NUT	Angle & Dist.	41533	"
ORB	" " "	"	"
OUT	Photo direct	41534	"
OWL	" "	"	"
PIE	Angle & Dist.	"	"
PIN	" " "	41599	"
RAM	Photo direct	41534	"
RIG	" "	41599	"
SHE	" "	"	"
SKI	" "	41533	"
TAX	" "	"	"
VAL	" "	"	"
WED	" "	41599	"
WEE	" "	41534	"
WET	" "	41533	"
WIT	" "	41534	"
YOU	" "	41533	"

12. Inapplicable.

13. GEOGRAPHIC NAMES:

A special report on Geographic Names will be forwarded.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA:

a. To be forwarded at a later date:

1. Hydrographic Sheets HO-1256; HO-1456; HO-1556.
2. Hydrographic Descriptive Reports HO-1256; HO-1456; HO-1556.

b. Forwarded to Director:

1. Control Station and Topographic station Identification Cards forwarded 16 Oct. 1956 via transmitting letter HDG-56-13.
2. Blackline and Blueline Manuscripts - forwarded 16 Oct. via transmitting letter HDG-56-13.
3. Nine Lens Office Photographs - forwarded 16 Oct. 1956 via transmitting letter HDG-56-13.

4. Nine Lens Field Photographs - forwarded 22 Oct. via transmitting letter HDG-56-14.

5. Tidal Data

15. NOTES TO THE COMPILOR:

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

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

No important jumps were noted in the sounding lines.

Respectfully submitted,

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

Approved and forwarded:

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

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PRELIMINARY PHOTOGRAMMETRIC PLOT REPORT

Project 6087
Surveys T-10383 thru T-10385,
T-10389 thru T-10391,
T-10397, T-10398, T-10399, T-11100,
and T-11127

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

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-11427 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.

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

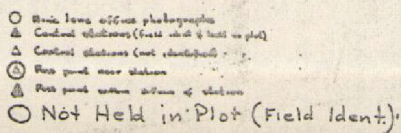
E. L. Williams
E. L. Williams
Carto. (Photo.)

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A BETTER COPY OF THE
SKETCH IS INCLUDED IN
THE DESCRIPTIVE
100 REPORT FOR T-10391

T-10389 thru T-10392

T-10397, T-10398, T-10399, T-10404, T-11100
T-11427



X Lost

SCALE FACTOR

1 FT = 3048006 METER	DATE	DATE	CONNA-DC-57843
COMPUTED BY: H. R. Rudolph	1/13/56	1/16/56	
CHECKED BY: F. M. Wisiecki			

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COMPILATION REPORT
Surveys T-10387 thru T-10389

Field Inspection Reports:

1. Maps T-9623 through T-9630, combined operations - USC&GS Ship LESTER JONES, Project 1347 (Ph-87), G. A. Nelson, Commanding Officer. (See Descriptive Report, Survey T-9624.)
2. Maps T-10382 to T-10384 and T-10387 to T-10390 (part). (See Descriptive Report, Surveys T-10382 through T-10384.)

Photogrammetric Plot Reports:

1. See Descriptive Report, Surveys T-10394 through 10396. * see below
2. See ^{His} Descriptive Report, Surveys ~~T-10382 through 10384.~~

31. DELINEATION

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

32. CONTROL

Refer to the Photogrammetric Plot Reports.

33. SUPPLEMENTAL DATA

Copies of the following surveys were available for purposes of comparison:

CS-369(1946), scale 1:20,000.
T-7023 a and b (1946), scale 1:5,000.
T-7024(1946), scale 1:5,000
Boat sheet H-8287 (HO 1256)
" " H-8289 (HO 1456)
" " H-8290 (HO 1556)

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.

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. No low water line could be delineated except where furnished by field inspection. All the ledge areas visible on the photographs were delineated.

* THIS PLOT ACCOUNTED FOR ON PAGE 15 (LAST PARAGRAPH) OF THIS DESCRIPTIVE REPORT.

The alongshore details at Edna Bay (T-10387) were delineated by the field party on the blackline impression.

36. OFFSHORE DETAILS

The photographs are at too high a stage of tide to show many of the offshore details in Edna Bay (T-10387) delineated on surveys T-7023 a and b (1946) and T-7024 (1946).

Field inspection of the present condition of the piles and dolphins in Edna Bay was furnished by the field party on the blackline impression for survey T-10387.

Most of the delineation of the foul lines was furnished by the field party.

37. LANDMARKS AND AIDS

Refer to paragraph 9 of the field report. No Forms 567 were available in the compilation office for these aids in Edna Bay.

*DATA RECORD, PAGE 3, CORRECTED —
* 38. NO TOPO STATIONS ARE SHOWN ON THE MANUSCRIPT (T-10389)
NO FORMS 524 COULD BE FOUND
NO TOPO STATIONS ARE ACCOUNTED FOR IN THE
FIELD INSPECTION REPORT*

38. CONTROL FOR FUTURE SURVEYS * SEE ABOVE

Forms 524 are submitted for two recoverable topographic stations on survey T-10388.

Refer to item 11 of the field report for a list of the photo-hydro signals located on the blackline impressions of these manuscripts.

39. JUNCTIONS

Junctions with adjacent surveys in this project have been made.

40. HORIZONTAL AND VERTICAL ACCURACY

The horizontal accuracy of the positions of details was verified by identification of station MAR, 1913. The positions were found to be within 0.3 mm of their correct positions.

41 - 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the U.S.G.S. Craig quadrangle, scale 1:250,000, edition of 1952.

Surveys T-7023 a and b (1946) and T-7024 (1946), scale 1:5,000 show more offshore details in Edna Bay than are visible on the photographs.

47. COMPARISON WITH CHARTS

Comparison was made with the following charts:

Number	Scale	Edition	Corrected to:
8163	1:5,000	Nov. 1947	10/8/55
8171	1:40,000	Jan. 1956	—

Items to be applied to nautical charts immediately: None.

Items to be carried forward: No field information was furnished on the overhead cable crossing charted at Edna Bay (chart 8163). See also Notice to Mariners No. 42, 1955 - item 4743.

Respectfully submitted
14 January 1957

Joseph W. Vonasek
Joseph W. Vonasek
Cartographer (Photo.)

Approved and forwarded

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-87 (Sumner Strait, Alaska)

T-10389

Davidson Inlet

Marble Island

Marble Passage

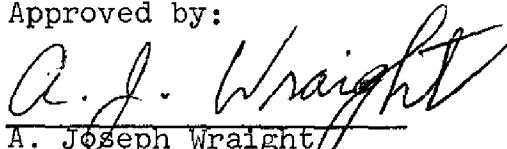
Orr Island

Token

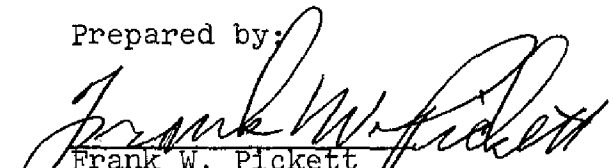
Token Bay

Token Cove

Approved by:


A. Joseph Wraight
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician

PHOTOGRAMMETRIC OFFICE REVIEW

T-10387, T-10388, T-10389

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. J. Mason Frank J. Laroza
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

APPLICABLE 1956 FIELD DATA APPLIED BY COMPILER. FIELD REPORT -
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT PAGE 7

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:

REVIEW REPORT T-10389
SHORELINE
OCTOBER 30, 1968

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

There is no field edit sheet or field edit report for this survey. Field inspection was accomplished after compilation, ** SEE BELOW* the manuscript was then corrected in accordance with field inspection notes on the photographs.

The photography was obtained at a high stage of the tide. Consequently many of the rocks located by the hydrographer could not be verified photogrammetrically.

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. After correction for the different datum of the two surveys the shoreline is only in fair agreement. Survey T-10389 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, 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-8289 and H-8290. The shoreline of these surveys and T-10389 are in good agreement.

** THIS FIELD INSPECTION (1966) WAS, IN EFFECT, AN EDIT OF THE INCOMPLETE MANUSCRIPT. AS STATED NO EDIT SHEET WAS SUBMITTED. THE FIELD INSPECTION (OR EDIT) REPORT IS INCLUDED IN THIS DESCRIPTIVE REPORT - JBB*

A snag on H-8289 at latitude 55° 56' 23" longitude 133° 26' 32" is not visible on the photographs.

Rocks at or near the following positions on H-8289 are not visible on the photographs:

<u>LATITUDE</u>	<u>LONGITUDE</u>
55° 57' 44"	133° 25' 04"
55° 57' 42"	133° 25' 10" (2 rocks)
55° 57' 31"	133° 25' 28"
55° 57' 30"	133° 25' 29"
55° 57' 24"	133° 25' 51"
55° 57' 22"	133° 25' 48"
55° 56' 42"	133° 25' 39"
55° 56' 34"	133° 25' 46"
55° 56' 34"	133° 25' 42"
55° 56' 22"	133° 25' 23"
55° 56' 43"	133° 28' 23"
55° 56' 25"	133° 28' 36"
55° 56' 57"	133° 28' 46"
55° 56' 32"	133° 29' 21" (3 rocks)
55° 56' 43"	133° 29' 40"
55° 58' 22"	133° 29' 11"
55° 59' 05"	133° 28' 26"
55° 59' 02"	133° 29' 17"

Rocks appearing on H-8290 at the following positions are not visible on the photographs:

<u>LATITUDE</u>	<u>LONGITUDE</u>
55° 59' 58"	133° 26' 23"
55° 59' 56"	133° 26' 24"
55° 59' 40"	133° 25' 10"

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with chart 8171, 7th edition, June 22, 1964. A pile at latitude 55° 56' 23" longitude 133° 26' 32" and the pier ruins at 55° 59' 40" - 133° 27' 51" are not visible on the photographs.

Rocks at the following positions are not visible on the photographs:

<u>LATITUDE</u>	<u>LONGITUDE</u>
55° 57' 42"	133° 25' 14"
55° 57' 31"	133° 25' 28"
55° 57' 10"	133° 25' 42"
55° 56' 32"	133° 26' 15"
55° 56' 56"	133° 28' 57"
55° 56' 41"	133° 29' 12"
55° 56' 40"	133° 29' 09"
55° 59' 00"	133° 29' 18"
55° 59' 34"	133° 27' 52"

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

The only field photographs available at the time of final review were 41490 and 41491. Office photographs 41490 thru 41492, 41516 thru 41518 and 41533 thru 41534 were used for review of the compilation during final review.

Approved by:

Howard S. Cole
Howard S. Cole, Capt. USESSA
Director, Atlantic Marine Center

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

Everett W. Ramsey
Chief, Photogrammetric Branch ^{POB}

R H Houlton
Chief, Photogrammetry Division

Chief, Nautical Chart Division