

10382

original

10382

FORM C&GS-504

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

## DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. \_\_\_\_\_ Office No. T-10382

### LOCALITY

State ALASKA

General locality DAVIDSON INLET

Locality NORTH OF VAN SANT COVE

1953-1956

### CHIEF OF PARTY

R.A. Earle, Chief of Field Party

Wm. F. Deane, Baltimore District Officer

### LIBRARY & ARCHIVES

DATE \_\_\_\_\_

## DESCRIPTIVE REPORT - DATA RECORD

T - 10382

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: June 3, 1953 Dec. 28, 1953 Dec. 23, 1954 Jan. 25, 1955  Office: Dec. 17, 1953 Nov. 7, 1955 Nov. 13, 1956 Nov. 23, 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 <del>MEAN LOW WATER</del> 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):  HOLBROOK POINT, 1903		
LAT.:  56° 00' 34.720"	LONG.:  133° 28' 37.419"	<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-10382

FIELD INSPECTION BY (II): C.W. Clark J.P. Randall V. Tilley		DATE: 1955 field season 1956 field season
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Office interpretation of 1953 photography verified by field inspection in 1956.		
PROJECTION AND GRIDS RULED BY (IV):  A. Riley		DATE 11-28-55
PROJECTION AND GRIDS CHECKED BY (IV):  A. Riley		DATE 11-28-55
CONTROL PLOTTED BY (III):  B. Kurs and J. Tolodziecki		DATE 01-20-56
CONTROL CHECKED BY (III):  F.M. Wisiecki and A. Queen		DATE 01-24-56
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  E.L. Williams		DATE 16 FEB 1956 <del>01-02-57</del> *
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):  J.Y. Council		DATE 01-08-57
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  R. Glaser		DATE 01-09-57

REMARKS:

\* NO SUPPLEMENTARY PLOT WAS ASSEMBLED IN  
1957 - REFER TO THE COMPILATION REPORT  
508

FORM C&GS-181c  
(3-56)U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

T-10382

CAMERA (KIND OR SOURCE) (III):

USC&amp;GS Nine-lens

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
41515	08-22-53	1101	1:10,000	7.9' above MLLW

## TIDE (III)

## FROM PREDICTED TIDES

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Sitka, Alaska		7.7	9.9
ORDINATE STATION:	Token Bay, Marble Island	1.1	8.7	10.9
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, Atlantic Marine Center		DATE: October 1968		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	0*	RECOVERED: 0	IDENTIFIED: 0	
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:

\*No stations within the limits of this survey.

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T-10382

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compiled	Jan. 1957	
Final Review	Oct. 1968	



# SHORELINE MAPPING PROJECT PH- 87

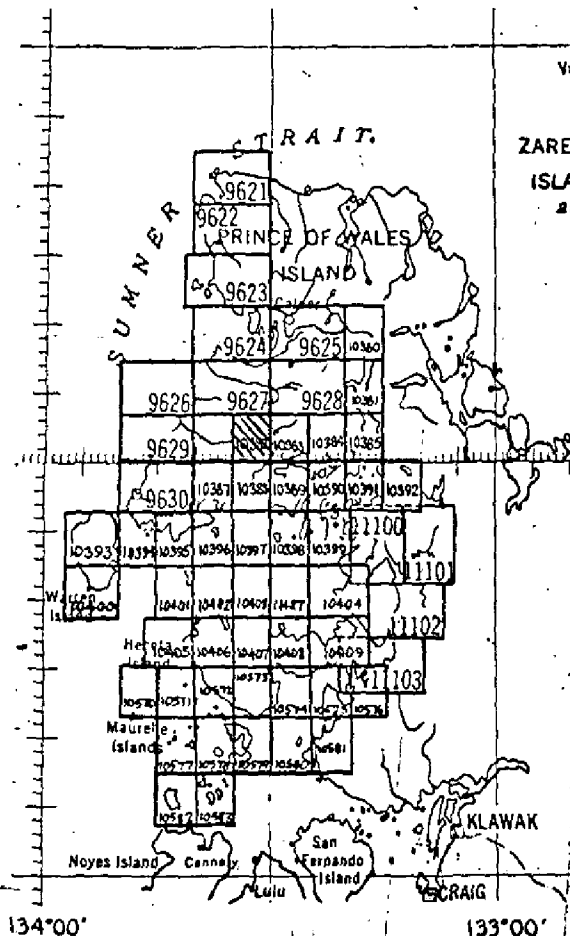
Prince of Wales Island, Alaska

5

56°30'

56°00'

55°30'



## 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
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	8	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	432	378

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-10382

Shoreline survey T-10382 is one of 58 similar surveys in project PH-87. It covers a small part of the shoreline of Davidson Inlet on the southeasterly shore of Kosciusko Island. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support data for hydrographic surveys.

The survey was originally compiled as a preliminary manuscript. In 1955 and 1956 horizontal control was identified and shoreline inspection accomplished. The manuscript was then corrected and classified Advance.

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 blueline tracing, ozalids and specially prepared photographs were furnished for preparation of the boat sheet, location of photo-hydro signals and field edit use.

The manuscript is a vinylite sheet 3 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.

## 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 <sup>remains</sup> 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	41192	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.	"	"
EBB	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	"
NOV	Photo direct	41491	"
OAK	" "	41518	2
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 Blue-line 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



PHOTOGRAMMETRIC PLOT REPORT  
Project 6087  
Surveys T-9629, T-9630, T-10382,  
T-10387, T-10388, T-10393  
thru T-10396, T-10400 and  
T-10401

21. AREA COVERED

This radial plot covers the area of the surveys listed above except for the southeast corner of Survey T-10388 for which positions of pass points will be established after this plot is extended to the south and east.

In order to insure a junction with future plots, this plot was extended to reach control on surveys T-10402, T-10383, T-10389, T-10397, and T-10398.

The geographic area covered by these shoreline surveys encompasses the western and southern shorelines of Kosciusko Island from Ruins Point at the north to ToKeen Bay to the east. The islands just off these shores as well as Warren Island are included in the area.

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 for all surveys except T-9629 and T-9630. These two surveys had only the polyconic projection in black.

Base sheets were prepared in this office.

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

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

Photographs:

All photographs used were nine-lens unmounted photographs at a scale of 1:10,000.

The sixty (60) photographs used in this plot, numbered as follows:

41298 thru 41319  
41325 thru 41332  
41374 thru 41377  
41441 thru 41455

41480 and 41481  
41687  
41483 and 41484  
41489 thru 41493  
41514 thru 41518

Templets:

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

## 22. METHOD - RADIAL PLOT (cont'd)

### Closure and Adjustment to Control:

The radial plot was constructed on vinylite base sheets. Because no grid lines were ruled on manuscripts T-9629 and T-9630, some intersections of the polyconic projections were transferred to the base sheets. These common intersections were held in order to transfer the control. Control from the other map manuscripts was transferred to the base sheets by holding the grid lines.

The radial plot was laid starting with templets numbered 41474 thru 41477, the positions of which were already established on manuscript T-9626. No attempt was made to continue this flight of photographs from number 41477 southeasterly to photograph number 41481 at Davidson Inlet. The high elevations in the interior coupled with tilted photographs and conjugate centers lost in the thick, high trees would not lead to a rigid plot. The position for the center of photograph 41444 was not shown on the manuscript, chiefly because the photograph was not needed for compiling the necessary shoreline manuscripts and to some extent because the position might be weak.

After flight 41325 thru 41332 was laid, flights 41312 thru 41319, and 41305 thru 41311 were laid all holding to the identified control, where available. Flight 41298 thru 41304 along the west shore of Warren Island was the last flight laid on the western limits of this plot. This flight had no field identified control and was governed solely by control identified in this office from descriptions and by a few common pass points from flight 41305 thru 41311 to the east.

After the western portion of the plot was completed, the plot was extended to the east. Flight 41449 thru 41455, which was well controlled was laid first. In the next flight to the east, 41430 thru 41484, photograph 41482 was not included because of heavy clouds. Photograph 41687 was substituted. Because the substitute point for WOLF, 1903 was visible on only one photograph, the flight had to be extended south to FOX, 1903 which was office identified.

Flight 41489 thru 41492 was held to field identified control on the north end and to office identified control (MAR, 1913) on the south end of this flight.

Flight 41514 thru 41517 was laid last and held to field identified control stations PINK, 1903 and HOLBROOK PT.

A satisfactory plot was obtained and all of the shoreline on the surveys covered by this plot is well controlled, except for the western tip of Marble Island on survey T-10388, and the islands in the southern part of survey T-10395. It is felt that other plots to be laid as extensions of this plot will materially strengthen these areas.

22. METHOD - RADIAL PLOT (cont'd)

Closure and Adjustment to Control: (cont'd)

Although a satisfactory plot was obtained, it should be stated, however, that pass points in the interior, where extreme elevation would almost certainly cause difficulty with the intersections due to tilt, were avoided and only a few points on lakes and other less elevated features were selected as interior pass points. To offset this departure from established procedure, many more pass points along the shoreline than normally are used to lay a radial plot were selected. In most cases the shoreline pass points are about  $2\frac{1}{2}$  inches apart. This method seemed to give a tighter plot with apparently much less adjustment needed. This considerably lessened the time spent in actually laying the plot.

Transfer of Points:

The map manuscripts were placed over the finished plot, oriented, and the position of all pass points and photograph centers then pricked on the manuscript.

23. ADEQUACY OF CONTROL

There was adequate control for a satisfactory radial plot for surveys T-9629, T-9630, T-10382, T-10387, and T-10394.

Substitute point WOLF, 1903 on survey T-10388 was not satisfactory in that the point selected in the field was visible on only one photograph. It is recommended that a new substitute station at or near the pass point pricked on photograph 41490 about 200 meters south of the station be established. An additional substitute station at MAR, 1913 would strengthen the plot in the area.

Of all the control identified in the field only sub pt. QUARTZ, 1903 could not be held in the plot. The radially plotted position is 1.3 mm northwest of the plotted position of the substitute station. It is possible that a ten (10) meter error was made in the measured distance. However, the identification of the nearest stations (STRAW, 1903 and BLACK, 1903) is thought to be weak, and it is quite possible QUARTZ, 1903 should have been held and the other stations let go. This could not be done at this time because they are the last stations identified at the southern end of the plot. If possible, SLAT, 1903 just to the east of QUARTZ, 1903 should be identified.

EDNA BUOY 2, 1946 was identified in this office. The radially plotted position is 0.8 mm. SE of the plotted position. It is assumed that the buoy has been shifted in position since 1946.

Additional control is needed in the southern portions of surveys T-10395 and T-10396. This is especially important because of the questionable identification of STRAW, 1903.

### 23. ADEQUACY OF CONTROL

The following stations in survey T-10395, should be identified: FAKE, 1903; and SLAT, 1903. The substitute station selected for STRAW, 1903 is not a good point, and if possible, another substitute station obtained there would help in relaying the plot for surveys T-10401 thru T-10403. For the same reason station ROUND, 1903 on survey T-10396 should also be identified.

For the two manuscripts (T-10393 and T-10400) covering Warren Island, almost all of the shoreline stations should be identified. The office identification of CAY, HIGH ROCK, 1922 is felt to be adequate; however, field identification would be desirable. Identification of any of the triangulation stations located on the many peaks in the interior of Warren Island is thought to be unnecessary for these shoreline surveys.

### 24. SUPPLEMENTAL DATA

None.

### 25. PHOTOGRAPHY

The photographic coverage and definition of photographs used in the plot were good. There were many clouds in the flight 41480 thru 41484, but photograph 41687 was used instead of 41482, to provide adequate coverage.

### 26. CONTROL STATION OFFICE NOTES

In order to clarify the situation in regard to control identification, "Control Station Office Note" cards are being submitted by this office for each office-identified station. On each card is a sketch of the area taken from the photograph showing the relative position of the pass point obtained in the radial plot to the apparent position on the photograph of the station. Also, a description cut from the published lists of descriptions is pasted to the card. It is felt this card should be of help to the field man in recovering and in identifying the triangulation stations. The sketch on this card is in most cases, quite generalized and a sketch made while the field man is actually at the station site showing the area in detail as it appears on the ground is much to be preferred.

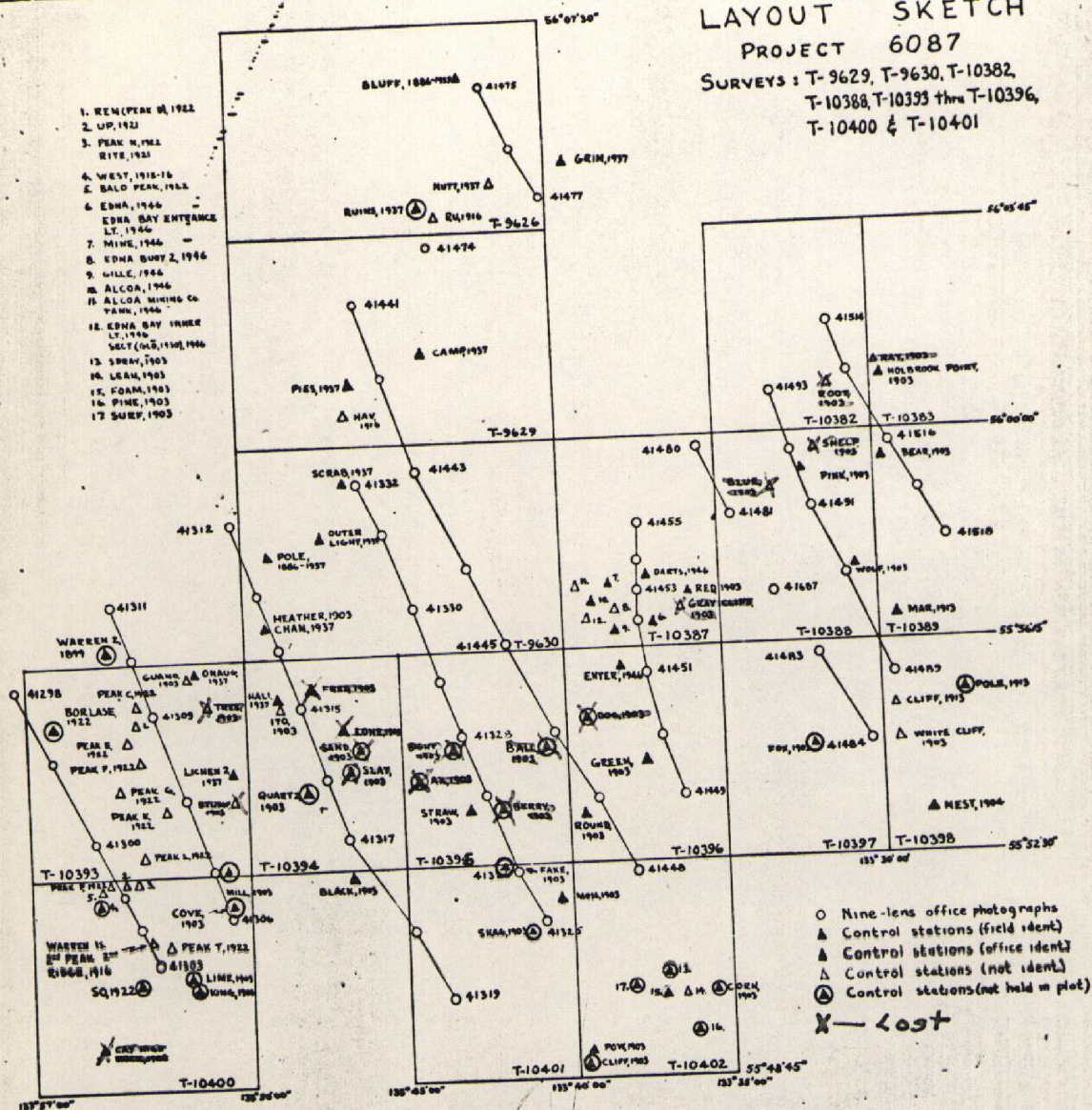
Respectfully submitted  
16 February 1956

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



A BETTER COPY OF THIS <sup>22</sup> 20  
SKETCH IS INCLUDED IN THE  
DESCRIPTIVE REPORT FOR T-10394  
SGR

SURVEYS : T-9629, T-9630, T-10382,  
T-10388, T-10393 thru T-10396,  
T-10400 & T-10401







COMPILATION REPORT

T-10382,  
T-10383 &  
T-10384

Field Inspection Reports:

1. Field Inspection Report for maps T-9623 through T-9630, combined operations - USC&GS Ship LESTER JONES, Project 1347 (Ph-87), G. A. Nelson, Commanding. (See Descriptive Report for survey T-9624.)
2. Field Inspection Report for maps T-10382 to T-10384 and T-10387 to T-10390 (part). (See page 7.)

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 inspection was not furnished.

32. CONTROL

Refer to the Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

A copy of Boat Sheet H-8290 (HO-1556) was available for purposes of comparison.

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.

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. The low water lines shown were furnished by the field party. 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

None.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 have been submitted for four recoverable topographic stations. Three of these were not listed in item 11 of the field report: SIDE, 1956, ZAGI, 1956 (T-10383) and MANI, 1956 (T-10384).

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

39. JUNCTIONS

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

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to 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	---

Respectfully submitted  
8 January 1957

*Judson Y. Council*

Judson Y. Council  
Carto. Photo. Aid

Approved and forwarded

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

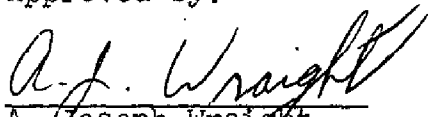
PH-87 (Sumner Strait, Alaska)

T-10382

Davidson Inlet

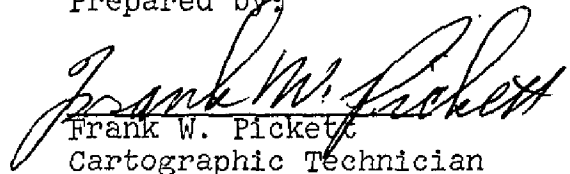
Kosciusko Island

Approved by:



A. Joseph Wraight  
Chief Geographer

Prepared by:



Frank W. Pickett  
Cartographic Technician

## PHOTOGRAMMETRIC OFFICE REVIEW

T-10382 thru T-10384

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 extent 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. Glaser  
ReviewerJoseph Steinberg  
Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

\* On black-line impressions

## 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:

REVIEW REPORT T-10382  
SHORELINE  
OCTOBER 11, 1968

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with a copy of Registered survey 2691, a 1:20,000 scale survey made in 1904. Shoreline survey T-10382 supersedes that survey for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS PETERSBURG (A-5), ALASKA, 15 by 20 minute 1:63,360 scale quadrangle, edition of 1953. The two surveys are in good agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of reviewed survey H-8290. There are no discrepancies between the two surveys.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 8171, 7th edition, June 22, 1964. A ledge shown on the chart at latitude  $56^{\circ} 00' 02''$  longitude  $133^{\circ} 30' 42''$  is not visible on photographs of the area.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Field photograph 41515 and office photographs 41515 and 41516 were examined 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 D. Plummer*  
Chief, Photogrammetric Branch, <sup>MS</sup>

*R. H. Houlston*

Chief, Photogrammetry Division

Chief, Nautical Chart Division