

7060 b

Graphic Control

Diag. Cht. No. 8556-2

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No.	LJ-D-49 Office No. T-7060 b
LOCALITY	
State	ALASKA
General locality	S. E. COAST, ALASKAN PENINSULA
Locality	INNER KUKAK BAY
194 9	
CHIEF OF PARTY	
J. Bowie, Jr.	
LIBRARY & ARCHIVES	
DATE	APRIL 25, 1950

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Graphic Control

FORM 37a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T -

TOPOGRAPHIC TITLE SHEET

FIELD NO.

Report with T-7123
LJ-C&D-49

Each Planetable and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

STATE

Alaska

GENERAL LOCALITY

Alaska Peninsula

LOCALITY

Kukak Bay

SCALE	LJ-C-49	1/	20	000
	LJ-D-49	1/	10	000

DATE OF SURVEY July-August, 1949, 1949

VESSEL

LESTER JONES

CHIEF OF PARTY

John Bowie, Jr.

SURVEYED BY

Harold J. Seaborg.

INKED BY

Harold J. Seaborg.

HEIGHTS IN FEET ABOVE MHW OR XXXXXXXXXX TO GROUND XXXX TO TOPS OF TREES

CONTOUR	APPROXIMATE CONTOUR	FORM LINE INTERVAL	FEET
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PROJECT NUMBER

CS-338

REMARKS

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SURVEY H-70606

FIELD NO. LJ-D-49

Scale 1:10,000

JOHN BOWIE, JR., CHIEF OF PARTY

COMMANDING, U. S. C. & G. S. S. LESTER JONES

A. PROJECT

This topographic survey was executed under INSTRUCTIONS - PROJECT CS-338, Kukak Bay, Alaska dated 24 March 1949 to the Commanding Officer, Ship LESTER JONES. The purpose of this survey was to (1) establish signals and shoreline for hydrography and (2) to obviate the field inspection of photographs in this area. At this time only oblique trimetrogon photographs were available and it was judged best to make a complete topographic survey in this important area.

B. SURVEY LIMITS, DATES

The survey covered the passage between the east side of Aguligik Island and the mainland. The Mainland Fisheries Cannery is located at the northern end of the passage and this area is perhaps the most important in the entire Kukak Bay area. All topographic work was accomplished on Aug. 23, 24 and 25.

C. EQUIPMENT AND METHODS

Standard plane table ^{T-70609} equipment with an aluminum mounted sheet was used. Graphic control sheet LJ-C-49 is on the opposite side of the same sheet containing this survey. The plane table equipment was tested and adjusted prior to the field work.

Standard plane table methods were used. The survey consisted of a traverse thru the length of the passage thus establishing control points for detail and side shots.

D. TIDE STATION

Records from the Aguligik Tide Station served for the reduction to the M. L. L. W. plane of rocks and reefs awash located during these surveys.

E. HORIZONTAL CONTROL

Horizontal control was provided by the second-order scheme expanded into Kukul Bay during 1949 under the same Project instructions.

A traverse begun at MAIN 1949 extended thru the passage and terminated at signal MAL originally located on sheet "B". A three point problem at MAL on sheet D Verified the transferred position of this signal.

F. HIGH WATER LINE

Complete high water line detail was surveyed on this sheet.

G. MEAN LOWER LOW WATER LINE AND FOUL AREA LIMITS

The survey is complete with regard to the above heading. In order to properly delineate all features below the high water line it was necessary to occupy certain plane table positions twice, once for the high water line and again for the low water features at the proper tidal stage.

H. VERTICAL CONTROL

Only a few spot elevations were determined on this survey. These elevations are delineated on the nine-lens photographs.

I. GEOGRAPHIC NAMES

It is recommended that the passage between the east side of Aguligik Island and the mainland (covered by this survey) be named "Cannery Passage". No known local name now applies to this passage but it would appear appropriate as the Mainland Fisheries Cannery is located at the northern end and the small fishing vessels make constant use of the passage to reach the lower end of the bay.

J. LIST OF PLANE TABLE POSITIONS

Refer to the Photogrammetric Report for this Project for a list of supplemental control stations located by this survey.

K. COMPARISON AND JUNCTION WITH PREVIOUS SURVEYS

Satisfactory junction was made with contemporary surveys executed under this same project. No other modern survey exists for comparison.

L. STATISTICS

M.H.W.L., Statute Miles	4.6
M.L.L.W.L., Statute Miles	3.7
Area, Square Statute Miles	0.4
No. of Signals Located	14

Approved and Forwarded *1/14/50*
John B. Jones Jr.
 JOHN BOWIE, JR., COMDR., C&GS
 COMOD., USC & GSS LESTER JONES

Respectfully submitted,
Harold J. Seaborg
 HAROLD J. SEABORG
 LT. COMDR., C&GS

GEOGRAPHIC NAMES

Survey No. **T-7060 b**

Name on Survey	On Chart No. On previous survey No. On U. S. quadrangle Maps From local information On local Maps P. O. Guide or Map Rand McNally Atlas U. S. Light List										
	A	B	C	D	E	F	G	H	K		
										1	
										2	
<i>Cannery Passage</i>										3	
										4	
										5	
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