

7140
a & b

Diag. Cht. No. 8201-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>Planetable Topography</u>	
LJ-A-61	
Field No. <u>LJ-B-61</u>	Office No. <u>T-7140a & b</u>
LOCALITY	
State <u>Alaska</u>	
General locality <u>Wrangell Island</u>	
Locality <u>Wrangell Harbor</u>	
<u>19 61</u>	
CHIEF OF PARTY	
<u>L. G. Taylor</u>	
LIBRARY & ARCHIVES	
<u>JAN 23 1963</u>	
DATE	

USCOMM-DC 5087

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

Registry No. T-7140a

Field No. LJ-A-61

Scale 1:10,000

State Alaska General locality Stikine River

Specific locality Kadin Island

Dates: Survey began 14 April 61 Completed 18 July 1961

Photography....., Supplemented by ground surveys to

Project No. Special Project 2-61 Instructions dated 10 November 1960

Vessel } or LESTER JONES Chief of party CDR L. G. Taylor
Party }

Field work by B.I. Williams Office work by B.I. Williams

Final inking by B.I. Williams

Ground elevations } in feet above { M. H. W.
Treetop elevations } or {

Contours } by { Planetable } Interval ft.
Approximate contours } { Multiplex }
Form lines } {

REMARKS

DESCRIPTIVE REPORT

to accompany

Sheet LJ-A-61

INSTRUCTIONS:

This work was done in accordance with Instructions - Special Project 2-61, Wrangell, Alaska dated 10 November 1960.

Organization of report based on par 66, S.P. 144

a. SHORELINE:

Partial shoreline of two small islands is shown on this sheet. The shoreline is steep and rocky and backed up by dense forest. The treeline is two or three feet above MHW.

b. LANDMARKS:

Inapplicable.

c. CONTROL:

Basic control consisted of eleven existing triangulation stations. Two supplemental hydrographic control stations were located by intersection from basic control.

d. CLOSURES:

A closing error of 9m in distance was encountered in the traverse between triangulation stations FIELD, 1922 and WRANGELL BREAKWATER LIGHT, 1954. Between triangulation stations FLATS, 1954 and hydro signal GIG the closing error was 4m. in distance. There was no closing error in azimuth. Adjustments were made by the methods described in Special Publication No. 144.

e. LOCATION OF OFF-LYING FEATURES:

All visible off shore rocks were located by planetable alidade and rod. The elevation of each rock was determined by hand level. Reef high points were also located in the above manner.

f. Inapplicable.

g. CHANGES IN FEATURES PREVIOUSLY SHOWN:

The wharf shown on charts 8160 and 8164 at Latitude 56-29.05' Longitude 132-23.51' has been allowed to deteriorate until all that remains are a few rotten pilings.

l, j, k, l and m. Inapplicable.

n. CHANGES IN SHORELINE:

The scale of previous surveys was too small to allow comparison between it and this survey.

o. Inapplicable;

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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Registry No. T-7140a-bField No. LJ-B-61Scale 1:5,000State Alaska General locality Wrangell IslandSpecific locality Wrangell HarborDates: Survey began 14 April 61 Completed 18 July 1961

Photography _____, Supplemented by ground surveys to _____

Project No. Special Project 2-61 Instructions dated 10 November 1960Vessel } or LESTER JONES Chief of party CDR. L. G. Taylor
Party }Field work by B. I. Williams Office work by B. I. WilliamsFinal inking by B. I. WilliamsGround elevations } in feet above { M. H. W.
Treetop elevations } or { _____Contours } by { Planetable } Interval _____ ft.
Approximate contours } { Multiplex }
Form lines } { _____ }REMARKS _____

DESCRIPTIVE REPORT

to accompany

Sheet LJ-B-61

INSTRUCTIONS:

This work was done in accordance with Instructions - Special Project 2-61, Wrangell, Alaska dated 10 November 1960.

Organization of report based on par. 66, S.P. 144.

a. SHORELINE:

The larger part of the shoreline on this sheet is within the town of Wrangell. A variety of piers, floats and houses extend offshore of the high water line. Where the shoreline is open, it is seen to be moderately sloping and rocky.

When approaching Wrangell from Five Mile Island, the town can be seen at the foot of two low hills which are connected by an even lower saddle. The neon cross atop the Wrangell Presbyterian Church can be seen slightly above the town proper and under certain conditions the large mill stack can be seen in back of the breakwater. Unless lighting conditions are right, it is difficult to see the Oil Dock Reef Daybeacon north of town.

b. LANDMARKS:

Reference - Form 567, Non-floating Aids or Landmarks for Charts.

c. CONTROL:

Basic control consisted of five existing triangulation stations. The supplemental hydrographic control was located by plane-table traverse and intersection from one or more basic control stations where possible.

d. CLOSURES:

A closing error of 12m. was encountered in the traverse between triangulation stations: FORT WRANGELL N BASE 2, 1916-37 and WRANGELL BREAKWATER LIGHT, 1954. This traverse was rerun with no change in the error, thus necessitating adjustment. The adjustment was accomplished by the method described on page 57 of Special Publication 144.

e. LOCATION OF OFF-LYING FEATURES:

All visible off shore rocks and all existing piling were located by plane-table and rod. The elevations of rocks were determined by hand level. The above is true for reef high points also.

f. Inapplicable

Descriptive Report
LJ-B-61

g. CHANGES IN FEATURES PREVIOUSLY SHOWN:

Changes were found in the vicinity of the pier ruins shown on U.S.C. & G.S. Chart 8164 at Latitude 56-28.48' Longitude 132-23.40'. There are also several changes in the high water line inside the harbor and in the outline of some of the larger piers.

h, i, j, k, l, m, n and o. Inapplicable.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-7140 a and b

Record of Application to Charts

[illegible]

M-2158-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.