

3655

See Photo Log "Ph"

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

E. Lester Jones
Superintendent.

State: ALASKA

DESCRIPTIVE REPORT.

Sup. Sheet No. 3655

LOCALITY:

WRANCELL HBR.

1906

CHIEF OF PARTY:

C. G. Sullivan

Descriptive Report to Accompany

Topographic Sheet # 3653

Wrangell Harbor.

This is a ¹⁰one thousand scale plane table survey of Wrangell Harbor including the shore from the cemetery at the point one mile south of Wrangell to the harbor and north from the village a distance of one mile.

The sheet has five triangulation points on it, four in the area traversed and one, signal Large, on Woronkofski Island. The latter was so far away that it was shut out by fog or rain most of the time. Lithograph and North Base are not intervisible on account of the wharf at the cannery. Station Sti was located by rod reading from Triangulation Putnam and then the shore above station Putnam and below signal Sti was run by traverse. The closure was very good. The harbor was surveyed by using six plane table positions, getting good intersections on the prominent objects. The projection was originally made from the 1886 data and was changed to agree with 1916 data after the field work was completed. The 1916 data is shown in red ink.

Shore. The high water line and the wharves are shown in full line. The low water line is dotted, with the beach shown by its characteristic symbols for rocky ledge, rocky, gravel, sand and mud.

Objects. Besides the definite objects given in the list of plane table positions and marked prominent are the following which would be very useful on a chart:-

- Tin roofed shed N of village, marked prom. shed on sheet.
- Brick house, only brick house in village.
- School.
- Large square old house 70 meters SSE of o Sti.
- The gridiron at head of bay.

If possible, all the buildings shown on the sheet should go on the chart. One hundred and fifteen meters SE of the wireless tower is a non-rectangular building. This is the town hall and the shape as given is correct. The walk leading up the hill past the brick house is in line with the green light on the main wharf and shows plainly from the harbor.

Roads and Walks. The main street of the village, the first one back from the water front, is wide where the stores are located. The rest of the streets are nearly very wide walks. All are made of planks and shown on the sheet by double full lines.

Wharves etc. The main wharf is the one on which the red and green lights are located. This one is used by the large commercial steamers. The next one SE is a Wharf used by local fishermen but occasionally used by large steamers in taking on salted fish. The water in front of the sawmill wharf is not deep enough for large boats. Scows taking on lumber off the

outer side of the wharf are often allowed to rest on the mud at low water. The water at the end of the wharf at the cannery is deep enough for use by the large commercial steamers. There are two floats used as landings for small boats. One is just east of the main wharf and the other is just east of and near the outer end of the fish wharf.

Dangers. Two rocks, bare at low water, were located by plane table, one 130 meters SW of triangulation Lithograph and the other 100 meters NE of signal Sti.

Anchorage. The harbor above the shoal off signal Sti is a fair anchorage for small launches but the bottom at places was found to be of hard sand and a fairly heavy anchor is needed. During the months of September to November strong winds from the west can be expected and the water around the wharves gets so choppy that small boats have to run to the upper end of the harbor for shelter. Off the two wharves is a good anchorage for large ships except in very bad western weather. The depth of water is from 10 to 18 fathoms and the bottom sticky. The best objects to use in locating oneself at anchor are the rock at triangulation North Base, the square house 70 meters SSE of signal Sti, Chief Shakes' house, the sawmill stacks, Red light on wharf, Catholic church, wireless tower and the cannery wharf or building.

The Village. The village, including the upper end of the bay, consists of about 150 to 160 houses, 60 of which are occupied by white people and the rest by natives. One dwelling house is of brick, the rest of wood. The buildings other than the dwelling houses include one fairly good hotel, four general stores including groceries and hardware, a few smaller groceries, two bakeries, two meat markets, a tin^{smith} shop, a machine shop, an ice plant, an electrical plant supplying lights over the entire village, a laundry, a fish cannery with a second one at Point Highfield, a sawmill, a shingle mill, a bank (made of concrete and shown in black on the sheet), a school, five government buildings including Commissioner's residence, court house and jail, three churches and several saloons. Information can be received and sent out over a government wireless. In the hills east of signal Boat is a reservoir which supplies the village with very good drinking water. This can be obtained at the main wharf.

The work was done at a time when the weather was very foggy and rainy. There was continuous rain for two and one-half days and over half of the time it was foggy. Some of the work around the wharves was done by having a fly stretched above the table and working during the rain. The hill directly back of the village is the only one of which I was able to get contours on account of the thick weather. These contours are not as good as could be obtained under better conditions and are in pencil on the sheet.

Respectfully submitted,

Ernest E. Reese

Assistant, C. and G. Survey.

Plane Table Positions, 1916 Data.

Object and Description.	Latitude.	D. M.	Longitude.	D. P.	Height.	Remarks.
n, @ Tes	56° 28'	1477	132° 23'	621		Pole.
n, @ Set	56 28	1042	132 23	530		Pole.
* West gable of yellow house. @ Yellow.	56 28	867	132 23	437		
** W. gable, main bldg. of cannery. @ San.	56 28	694	132 23	474		
* @ Flag. Plane table location.	56 28	680	132 23	492		5" X cut in whf. planking at crack. N. of brick hs.
* Flag pole	56 28	662	132 23	19		
** Wireless tower. @ Wire.	56 28	572	132 23	220		
* Flag pole, Gov't.	56 28	490	132 23	253		
** Catholic church spire,	56 28	528	132 23	41		
** Presb. church spire.	56 28	469	132 22	980		
** Episcopal church spire. @ Epic.	56 28	213	132 22	728		
* Red light on main whf. @ Red.	56 28	263	132 23	237		Corner of whf.
* Green light on main wharf. @ Green.	56 28	256	132 23	182		Corner of whf.
** NW. stack, sawmill. @ Stack.	56 28	120	132 22	942		
** NW. gable, Chief Shakes' house, @ Shak.	56 27	1614	132 22	859		
* Flag pole W. of Shakes' house. @ Pole.	56 27	1609	132 22	870		
* W. gable house on hill-side. @ Wran.	56 27	1484	132 22	640		4 front windows. in hor. row.
* N. corner, red house. @ Boat.	56 27	1200	132 22	720		
n, @ Sti.	56 27	1664	132 23	191		Pole.
n, @ Bos.	56 27	1531	132 23	54		Flag.
n, @ Keen.	56 27	1356	132 23	184		Pole.
* W. gable, N. one of two houses. @ Gel.	56 27	1290	132 22	968		
** W. gable, large house. @ Sam.	56 27	973	132 22	904		
* NW. corner, small stone house. @ Tip.	56 27	781	132 22	896		
* NW. gable, small white bldg. @ Cem.	56 27	424	132 22	976		

n = non-recoverable.

* = recoverable.

** = recoverable, very important.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3655

State . Alaska. (SE)

General locality . . Wrangell Island.

Locality . . . Wrangell Harbor.

Chief of party . . . Assistant, C. G. Quillian.

Surveyed by . . . Assistant, Ernest E. Reese.

Date of survey . . . October 1916.

Scale 1/10,000.

Heights in feet above . Mean sea level to ground.

Contour interval . 100 . feet.

Inked by Ernest E. Reese Lettered by

Records accompanying sheet (check those forwarded): Photographs, ^{6✓}

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks:

3655a

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., Director	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">G. & G. SURVEY L. & A. DEC 6 - 1928 Acc. No.</div>	
State: S.E. Alaska	
DESCRIPTIVE REPORT	
<div style="display: inline-block; vertical-align: middle;">Topographic Hydrographic</div>	Sheet No. 3655a
LOCALITY	
Wrangell Island	
Wrangell Waterfront	
1928	
CHIEF OF PARTY	
H. A. Cotton	

POST-OFFICE ADDRESS: 202 Burke Bldg., Seattle, Washington

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

U.S.C. & G.S.S. EXPLORER

October 17, 1928

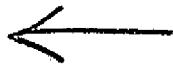
To: Commanding Officer EXPLORER,
Ketchikan, Alaska.

From: Ira T. Sanders,
Junior H. & G. Engineer.

Subject: Report on location of wharves on Wrangell waterfront.

The Astronomical Station was used as a starting point; orienting on the light at the tip of the breakwater. All positions were located by the usual planetable methods. The new wharves and changes in the old ones are shown in black ink on a tracing of a section of chart 8164. .

2. The Astronomical Station was remarked with a standard disc, marked WRANGELL ASTRONOMICAL STATION.

3. The dot and circle about 40 meters South of the School House, marked RADIO, should be removed. The tower has been taken down. 

4. A new wharf lies opposite the Astronomical Station. The next one to it lying in a Southeasterly direction and known as McCormacks Wharf, has had some additions since the original survey, as shown.

5. The wharf and float, shown as lying directly East of McCormacks Wharf, has fallen down in places. The wharf has been abandoned and the position of the float has been changed as shown.

6. Two other wharves are shown, one used by the sawmill and a smaller one inside the breakwater, used by fishermen.

7. The Union Oil Companies wharf and tanks are

located as shown about one-half mile South of Wrangell.

8. The above mentioned changes are the most important ones along the waterfront. There are numerous minor changes that would require a detailed survey to show.

Respectfully submitted,

Ira T. Sanders

Ira T. Sanders,
Junior H. & C. Engineer.

Forwarded to the Director as Descriptive Report

Harold Cotton
Commanding Explorer

*Inspected and found adequate for charting.
This work was not included in the specific
instructions to the Explorer for the season of 1928.*

E. P. Ellis

Jan. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

This sheet prepared Jan. 16, 1929 when the previous title sheet could not be found

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office. *CA. Bowman*

36552

Field No. _____

REGISTER NO. **36552**

State S.E. Alaska

General locality Wrangell Island

Locality Wrangell Waterfront

Scale 10,000 Date of survey Oct. 17, 1928

Vessel Explorer

Chief of Party H. A. Cotton

Surveyed by J. T. Sanders

Inked by _____

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated _____, 192

Remarks: A revision showing important changes on
the Wrangell waterfront