

3991

JAN 29 1923

FIG. NO.

Form 501

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

State: *Alaska*

11-5613

DESCRIPTIVE REPORT.

*Topho* Sheet No. *3991*

LOCALITY:

*Ingass Narrows*  
*Ketchikan*

*Waterfront*

*1922*

CHIEF OF PARTY:

*A. M. Sobieski*

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET D.

Steamer Wenonah,

Season 1922.

A. M. Sobieralski, Comdg.

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET D.  
REVISION SURVEY OF TONGASS NARROWS, VICINITY OF KETCHIKAN,  
S. E. ALASKA.

The work on this sheet was executed under general instructions for field work for the Steamer WENONAH, dated Feb. 18, 1922.

The survey was begun in 1920 by Mr. G. L. Bean, H. & G. Engineer, under the direction of Captain T. J. Maher. The unfinished sheet has been on the Steamer WENONAH and is now submitted as complete.

The object of the work was principally to bring up to date the water front improvements at and near Ketchikan. Exceptional care was exercised at all times while the work was in progress in order to achieve a high degree of accuracy. Numerous small discrepancies were noted on the northeast shore of Pennock Island between the work on the original sheet and the work on this sheet. In each such case a careful examination was made on the ground. The work as submitted, therefore, is believed to be without errors of any consequence.

SURVEY METHODS

No unusual methods were employed in the execution of this work. An adequate number of triangulation stations were recovered. Several of these were remarked. Control was strong except for the area north of Sunny Point. Traverse methods were employed there.

NEW NAMES

The name Radenbough Cove is the only new name placed on the sheet, for the cove immediately southeast of A S. E. Base. A recent survey of the land around the cove was filed with the U. S. Land Office by the owner, in accordance with law, in order to establish title to the land. It is thought that because this name was used to designate the cove in this survey it may make it official. Information concerning the reservoir and dam shown was obtained from this survey. The owner maintains a well equipped boat and engine repair works and grids, using water power from the above mentioned reservoir.

## COAST PILOT

In the small bight immediately south of A Hick there is a small lagoon which is isolated from the Narrows for stages below half tide by a barrier reef. Small boats (up to 50 ft. in length) remain in the lagoon over low water. There appears to be no appreciable seepage or other escape for the water except over the barrier reef. Soundings taken in this lagoon, therefore, should not be reduced to a datum below mean sea level. Small boat repair yards and shops are located around this lagoon.

There are now two sawmills at Ketchikan, the Ketchikan Power Company and the Ketchikan Lumber and Shingle Company. Large passenger vessels usually land at the Northland, Alaska Steamship Company, and Heckman Docks. Freighters tie up at any of the larger docks. The small dock between the flats off Ketchikan Creek and the Fidalgo Island Packing Company Cannery Wharf is old and insecure and is not now used. It will probably be torn down in the near future. The Northland Dock has been built out from shore so that the rock with 16 feet of water over it is now covered by the dock. (See Coast Pilot, Alaska, Part I.)

The object shown on the sheet at the low water line between the Sunny Point Packing Company Cannery Wharf and the Sawyer McKay Wharf is a fish net drying rack.

At the Old Lighthouse Dock an old square rigged sailing vessel is moored. This vessel is used as storage for gasoline, distillate, kerosene, lubricating oils, etc. by the General Petroleum Corporation. This corporation proposes to build an oil station and wharf in Ketchikan but has not yet secured a site. Until the permanent station is built and in operation the sailing vessel will remain at the Old Lighthouse Dock to serve as a temporary station. Small boats tie up alongside to secure oil. This firm will not be equipped to supply fuel oil until its permanent station is completed.

Respectfully submitted,



J. D. CRICHTON.

H. and G. Engineer.

Approved

A. M. SOBIERALSKI.  
Chief of Party.

## PLANETABLE POSITIONS

## TOPOGRAPHIC SHEET D.

NAME	MARK	LAT		D.M.	LONG.		D.P.
		°	'		°	'	
Gab	Gable Selig Fish Co. (red bldg)	55	20	1470.3 385.1	131	39	951.1 106.6
Boathouse	U.S.C. & G. Survey Boathouse Gable	55	20	1053.9 801.6	131	41	557.6 500.1
Beacon	Daymark on Dolphin	55	20	449.0 1406.5	131	38	610.2 447.5
Ho	Gable, conspicuous white house on hill	55	20	1841.2 14.2	131	40	213.1 844.6
Tank	Largest tank, Standard Oil Company	55	20	24.2 1831.2	131	37	690.4 367.3
Black	Daymark on Dolphin	55	20	1667.7 187.8	131	41	677.4 380.3
North	Beacon	55	21	148.9 1706.6	131	42	42.2 1015.1
Dot	Daymark on Dolphin	55	21	638.6 1216.9	131	42	104.4 952.9

## DEPARTMENT OF COMMERCE

DIVISION OF CHARTS, FILE NO. ....

U. S. COAST AND GEODETIC SURVEY

## LANDMARKS FOR CHARTS

Seattle, Wash.

December 16, 1922.

SUPERINTENDENT, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

Chief of Party.

DESCRIPTION.	POSITION.					Datum.	Method of determination.	Charts affected.	
	Latitude.		Longitude.						
	°	'	D. M. meters.	°	'				D. P. meters.
S.W. Gable Selig Fish Company (red bldg.)	55	20	1470.3 385.1	131	39	951.1 106.6	Approximate S. E. Alaska datum.	Planetable	
Gable, U. S. Coast and Geodetic Survey BHouse	55	20	1053.9 801.6	131	41	557.6 500.1		Planetable	
Beacon off Ketchikan Creek	55	20	449.0 1406.5	131	38	610.2 447.5		Planetable	
Gable, conspicuous white house	55	20	1841.2 14.2	131	40	213.1 844.6		Planetable	
Largest Tank, Standard Oil Company	55	20	24.2 1831.2	131	37	680.4 367.3		Planetable	
Beacon off southwest shore Tongass Narrows	55	20	1667.7 187.8	131	41	677.4 380.3		Planetable	
Beacon on southwest shore Tongass Narrows	55	21	148.9 1706.6	131	42	42.2 1015.1		Planetable	
Beacon off northeast shore Tongass Narrows	55	21	638.6 1216.9	131	42	104.4 952.9		Planetable	
POSITION FOR TOPOGRAPHIC SHEET D.									

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.

ADDRESS THE DIRECTOR  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-DRM

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON March 19, 1923.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3991

Surveyed in 1922.

Instructions dated February 18, 1922.

Chief of Party, A. M. Sobieralski.

Surveyed by J. D. Crichton.

Inked by J. D. Crichton.

1. The records conform to the requirements of the General Instructions.
2. The character and extent of the survey satisfy the General Instructions and specific instructions.
3. The field drafting prescribed by General Instructions was completed in the field and none of it had to be done over by the office draftsmen.
4. The junctions with adjoining surveys are satisfactory.
5. No further surveying is required within the limits of the sheet.
6. The name Sunny Pt. is mentioned in the descriptive report as lying within the area of the sheet, but it is not shown on either the sheet or chart.
7. The character of both the surveying and field drafting is excellent..
8. Reviewed by E. P. Ellis, March, 1923.

POST-OFFICE ADDRESS: U.S.S. LYDONIA, P.O. Box 262, Jacksonville, Florida.

TELEGRAPH ADDRESS: " " " "

EXPRESS OFFICE: " " " "

DIRECTOR  
HYDROGRAPHY  
SALES  
GEODESY

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY Str. LYDONIA, 50 AM 23

Jacksonville, Fla., April 2nd, 1923.

OFFICE  
LIBRARY  
MAGNETISM

Charts ✓

TO: The Director,  
U.S. Coast and Geodetic Survey,  
Washington, D.C.

FROM: A. M. Sobieralski,  
Commanding Officer,  
U.S.S. LYDONIA.

SUBJECT: Names in the vicinity of Ketchikan.

Reference: Director's letter # 7 wek dated March 21, 1923.

There is no copy of chart of Tongass Narrows, but I believe that the following explanation will suffice.

2. Charcoal Point is applied to the slight bend in the shore line northwest of Ketchikan where the Sunny Point Packing Co. has located their new wharf. Beacon # 6 is located off Charcoal Point. The name is applied by the residents of Ketchikan to the whole vicinity of the wireless station, the flat land between Bar Point and Charcoal Point proper. The name appears in the Coast Pilot. It is said to originate from the fact that a charcoal burners furnace used to be located on the point. I have also seen the name used on some plats of additions to the town of Ketchikan.

3. Sunny Point is in the town of Ketchikan proper, at the Northland Dock. The Sunny Point Packing Co. was formerly located here, the dock at the new location having been used for the first time in 1922. The name can hardly be placed on the chart without obscuring other details.

4. The docks named in this letter are shown on the topographic sheet of the Ketchikan waterfront completed last year.

*A. M. Sobieralski*

A. M. Sobieralski,  
Commanding Steamer LYDONIA.



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. 3991

State . . . ALASKA . . . . .

General locality . Tongass Narrows . . . . .

Locality . . . . . Ketchikan Waterfront . . . . .

Chief of party . . . A.M. Sobieralski, H. & G. E. . . . . .

Surveyed by . . . . J. D. Crichton, H. & G. E. . . . . .

Date of survey . . . October 13.-24, 1922 . . . . .

Scale . . . . . 1:10,000 . . . . .

Heights in feet above Mean Sea Level . . . . .

Contour interval . . . . . feet No contours

Inked by . J.D.C. . . . . Lettered by . J.D.C. . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

8 descriptions of topographic stations

Data from other sources affecting sheet . . . . .

Remarks: Revision survey, supplementing work shown on Register No. 2856