

4013

G. & G. SURVEY
L. & A.
MAY 11 1923
No.

4013

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
State: <u>Alaska</u>	
11-5613	
DESCRIPTIVE REPORT.	
Topog	Sheet No. <u>4013</u>
LOCALITY:	
<u>Baranof Island</u>	
<u>Sitka Water Front</u>	
1922	
CHIEF OF PARTY:	
<u>T. J. Maher</u>	

DEPARTMENT OF COMMERCE
U. S. Coast and Geodetic Survey
Col.E.Lester Jones, Director

U. S. S. SURVEYOR

Descriptive Report
To Accompany Topographic Sheet
showing
Position of McGrath Dock, Sitka,
S.E.Alaska

April 2, 1923.

T.J.Maher,
Chief of Party.

DESCRIPTIVE REPORT
To accompany Topographic Sheet
showing
POSITION OF MCGRATH DOCK, SITKA,
S.E. ALASKA

The purpose of this sheet is to show the position of McGrath Dock, Sitka, built subsequent to the survey of the town. The scale is 1: 5000.

There is no projection on the sheet, the control being the location of several objects shown on the chart, such as the shore-line, flag pole, church spire, harbor light, old docks and houses, as well as azimuth lines from the harbor light to Eckholm Id. light, and to the east tangent of Twin Island.

The wireless towers shown are tall steel structures on Japonski Id., and were located by an alidade cut and sextant angles dependent on distances taken from the chart.

There is a coal shed on the dock. There is approximately five fathoms of water along the face of the dock at low water.

Chas. H. Green.

Chas. K. Green
H. & G. Engineer.

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. 4013

State . . . ~~N. E.~~ Alaska

General locality . Baranof Island

Locality Sitka ^{Water Front} ~~(new dock)~~

Chief of party T. J. Maher

Surveyed by C. K. Green

Date of survey April 2, 1923

Scale 1:5000

Heights in feet above

Contour interval feet.

Inked by . . C. K. G. Lettered by . . C. K. G.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks:

4013 a

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

C. & G. SURVEY
L. & A.
DEC 12 1924

State: SE Alaska

13

DESRIPTIVE REPORT.

Topog. Hydrog. Sheet No. 4013^a

LOCALITY:

Baranof I.

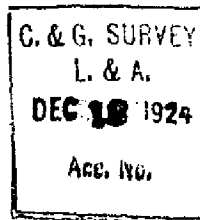
Sitka Harbor — Vic. of McGraths Dock

1924

CHIEF OF PARTY:

A.M. Sobieralski

3
4013



DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET #
REVISION OF SITKA WATERFRONT

A revision of the topography of the waterfront of Sitka was made under instructions dated April 22, 1924.

This revision was made because the present chart #8244 showed that the dock owned by Mr. C. M. McGrath was inside the three fathom curve at mean lower low water. It was believed that the previous hydrography was in error or that the dock had been extended to deeper water. There were also minor changes to be made in the buildings along the waterfront.

A projection of 1:10,000 was used to revise the topography and a supplemental projection of 1:2000 for plotting of the hydrography, as the soundings could not be shown clearly on a 1:10,000 scale. The topography was controlled by triangulation stations Rock, East Base, Wireless Tower #3, and Hill, a new station.

The topography did not show that Mr. McGrath's dock had been extended but that the bearing of the face of the dock is different than shown on the chart. Two buildings have been removed; the jail and the building just west of the inshore end of McGrath's Dock.

Oil tanks have been added on the Sitka Wharf & Power Co. Dock, the first dock northwest of McGrath's Dock. A new building, the U.S. Marshall's office, has been added, the first building east of the cable office.

The positions of all the wireless towers were determined by triangulation. The positions do not agree with the positions determined in 1919. This may be due to a change in the location

** The $\frac{1}{2000}$ enlargement was submitted on the same sheet as the $\frac{1}{10000}$ original survey. Owing to serious defects in the enlargement it was rejected and cut off the sheet by order of A.S.G.*

E. P. E. Apr. 17, 1925.

of the towers, as several changes and additions have been made, but it is probably due to the fact that the recovery of triangulation station Rock by the party in 1919 is doubtful.

Respectfully submitted,

Casper M. Durgin
C.M. Durgin
H. & G. Eng'r, C. & G.S.

To the Director,
U.S. Coast & Geodetic Survey,
Washington, D.C.

Approved and Forwarded:

A.M. Sobieralski
A.M. Sobieralski
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON April 17, 1925.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4013a

Sitka Harbor, Alaska

Surveyed in 1924

Instructions dated April 22, 1924.

Chief of Party, A. M. Sobieralski.

Surveyed and inked by C. M. Durgin.

1. The records conform to the requirements of the General Instructions.
2. The plan and extent of the survey satisfy the General and specific instructions.
3. The junction with adjacent sheets are satisfactory.
4. The 1:2000 scale subsketched, which was enlarged (apparently by proportional dividers) from the 1:1000 scale survey, was found to be so defective that it was necessary to reject it.
5. Better results would have been obtained and the enlargement dispensed with if the original survey had been on a scale of about 1:2500.
6. No further surveying is required.
7. The surveying and field drafting are good (with the exception of the enlarged subsketch).
8. Reviewed by E. P. Ellis, April, 1925.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

4013^a

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. 4013^a

State S.E. Alaska
 Baranof I.
 General locality Sitka Harbor
 Sitka Harbor—
 Locality Vicinity of McGrath's Dock.
 Chief of party . . A.M. Sobieralski, H. & G. E.
 Surveyed by . . . C.M. Durgin, H. & G. E.
 Date of survey . . 1924
 Scale 1-10,000
 Heights in feet above . . M.H.W.
 Contour interval . . 77 . feet.
 Inked by . C.M.D. Lettered by . C.M.D.
 Records accompanying sheet (check those forwarded): Photographs, .
Descriptive report, Horizontal angle books, Field computations, .
 Data from other sources affecting sheet

Remarks: Enlargement of McGrath's Dock on scale 1-2,000