

4628

Form 504
Ed. June, 1928
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

U. S. COAST & GEODETIC SURVEY
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DEC 23 1931

State: Alaska

No.

DESCRIPTIVE REPORT

Topographic
Hydrographic

} Sheet No.
#1

4628

LOCALITY

Tongass Narrows

North-West of Mud Bay

1931

CHIEF OF PARTY

F. L. Peacock

DESCRIPTIVE REPORT TO ACCOMPANY SHEET No. 1.

INSTRUCTIONS DATED SEPT. 5, 1931.

The area covered by Sheet No. 1 is a short section (0.8 mile) of the shoreline of Revillagigedo Island, S. E. Alaska, on the North shore of Tongass Narrows, in the immediate vicinity of a reduction plant about a mile West of Mud Bay.

The scale of the sheet is 1:5,000.

The shoreline in this vicinity consists of flat rocky ledges extending from two to twenty meters out from the tree line, with occasional sandy beaches.

LANDMARKS: The main building of the reduction plant is conspicuous, but is of no practical value as an aid to navigation, since the channel in Tongass Narrows is well lighted and buoyed. The position of the West corner of this building is given in the list of planetable positions.

CONTROL: Four stations of the 1909 scheme of triangulation in Tongass Narrows fall in the area covered by the sheet. Only two of these stations, however, "BABE" and "ROSA", were used. The original intention was to start the survey at triangulation station "BLUE", orienting on "BABE" and "ROSA", but only two of the reference marks at "BLUE" were recovered, the station mark being found lying loose on the ground, the rock having weathered away. Consequently it was found necessary to proceed in the following manner:

Station "BABE" was occupied, orienting on "ROSA" (Rosa Reef lighted beacon) and cuts drawn to the various hydrographic signals and to the points previously chosen for set-ups. Then each of the chosen points was occupied, orienting on "BABE" and resecting on "ROSA". The rodded distances between these points and the directions checked exactly.

Station "SIM" was not used, since the planetable was not large enough to include it and the area surveyed.

FORM LINES: No elevations were determined and no form lines were drawn.

NAMES: The bay on which the reduction plant is located has no name, as far as is known. The owner of the reduction plant had no name for the bay and upon inquiry in the town of Ketchikan no name could be found for it.

CONNECTIONS WITH OTHER SURVEYS: A connection was made with the highway from Ketchikan, which terminates about forty meters from the beach at the head of the bay. The distance and direction to the first turn were determined.

LOW WATER LINE: No attempt was made to locate the low water line by topographic methods, since the survey was made at the time of neap tides, the lowest tide occurring in daylight during this period being 5.6 feet above mean lower low water.

Respectfully submitted,

Roger C. Rowse

Roger C. Rowse,
H. & G. Engr.,
Coast & Geodetic Survey.

Approved:

F. H. Hardy

F. H. Hardy,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

LIST OF PLANETABLE POSITIONS

| Object and description | Lat. | D.M. | Long. | D.P. | Remarks |
|-------------------------------------|-------|------|--------|------|---------|
| | ° ' " | m. | ° ' " | m. | |
| Stack, main building | 55 25 | 473 | 131 46 | 380 | Center |
| Water tank | 55 25 | 470 | 131 46 | 365 | Top |
| North pile (Topo. Sta. "RUN") | 55 25 | 551 | 131 46 | 378 | Top |
| South pile | 55 25 | 535 | 131 46 | 373 | Top |
| Dolphin (Topo. Sta. "IS") | 55 25 | 548 | 131 46 | 462 | Top |
| West corner, main building | 55 25 | 473 | 131 46 | 413 | |
| West corner, dock | 55 25 | 530 | 131 46 | 449 | |
| West corner, care- taker's house | 55 25 | 489 | 131 46 | 250 | |
| West corner, Northerly house | 55 25 | 553 | 131 46 | 246 | |

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4628

TOPOGRAPHIC TITLE SHEET

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

Field No. 1

REGISTER NO. 4628

State Alaska

General locality Tongass Narrows

Locality North-West Vicinity of Mud Bay

Scale 1:5,000 Date of survey Oct. 5 & 6, 1931.

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

Chief of Party Fred. L. Peacock

Surveyed by Roger C. Rowse

Inked by Roger C. Rowse

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated September 5, 1931.

Remarks: _____