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U. S. SURVEY
L. & A.
565-3-13
No.

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: _____
11-5613
DESCRIPTIVE REPORT.
<i>Top.</i> Sheet No. <i>3560</i>
LOCALITY:
191
CHIEF OF PARTY:

U. S. COAST AND GEODETIC SURVEY
Register No. 2120

STATE Alaska.

GENERAL LOCALITY Shumagin Islands.

LOCALITY Mist Harbor, Nagai Island.

Surveyed by M. O. Nelson, Aid.

Chief of Party H. C. Denson.

Date 1915.

Scale 1: 5, 000

Traced by Field Party

Lettered by field party

HEIGHTS in feet above Mean ^{High}~~Low~~ Water.

Contour interval 100 feet.

DEPARTMENT OF COMMERCE

U.S. COAST & GEODETIC SURVEY,

E. LESTER JONES, SUPERINTENDENT.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET 3520

of

MIST HARBOR, NAGAI ISLAND,
SHUMAGIN ISLANDS, ALASKA.

Surveyed during July, 1915

Scale 1/5,000

By Party of U.S.S. PATTERSON

H.C.Denson, Ass't., Commanding

M.O.Nelson, Aid, Topographer.

Under Instructions from the Superintendent,

dated March 18, 1915.

Sheet No. 1
Number of Sheets is

T-3560

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET OF MIST HARBOR,
EAST SHORE, NAGAI ISLAND, SHUMAGIN ISLANDS, SOUTHWESTERN ALASKA.

LIMITS :- This sheet covers Mist Harbor and the tangent entrance headlands to the North and South.

GENERAL DESCRIPTION. Approaching the Harbor from seawards, one is flanked by towering steeply sloped mountains on both sides. The seaward tangents of these mountains are strongly marked to the Southward by the prominent bluffs, fluted by deep ravines, and fringed at the base by talus and immense rock fragments dislodged from the upper cliffs. The Northwest ridge forming the North wall has a less sharply marked bluff face to seawards, at its Eastern terminal, but deep ravines and jagged outcrops differentiate it by its ruggedness from the green grass and alder brush covered slopes of the harbor. A long narrow grass-covered boulder spit extends diagonally from the North tangent WNW (true) about one mile. This is separated from a broader and more rounded grass flat at the North end by a channel about 1/8 mile wide. Thus is formed an inner land-locked harbor, and an outer harbor or entrance, which is very rough during strong Easterly winds.

A strong tidal current was always noticeable in the Harbor entrance especially just after tidal change.

Mist Mt. forming the S E Tangent of the harbor is of triangular profile from seawards and rises to a summit of 1823 feet. Together with a 1520 ft. hill to the S'ard it forms the dividing headland between Mist Harbor and East Bight.

The 1104 ft. hill on the N E tan of the Harbor is not as distinct as the sharply triangular 1470 ft peak just NNW of it along the same ridge.

SURVEY METHODS. The Coast Survey Plane Table Outfit was used exclusively for this work. Ample control was furnished by the triangulation.

Magnetic Observations were made with Magnetometer by Mr. Hinson in this harbor.

*M. Q. Nelson
Aid, Capt. L*

Applied to chart 8859. Dec. 1942 J.M.A.