

FE31

F00031

Diagram No. 8860-2

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT  
(HYDROGRAPHIC)

Type of Survey ... Field Examination .....  
Field No. ....  
Office No. .... FE-31 .....

LOCALITY

State ... Alaska .....  
General Locality ... Aleutian Islands .....  
Locality ... Tuscarora Rock .....

1941

CHIEF OF PARTY  
W.D. Patterson

LIBRARY & ARCHIVES

DATE ... 1942 .....

F00031

FE31

☆ U.S. GOV. PRINTING OFFICE: 1976-669-441

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are now consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as;

FE No.1 1942

F E 1  
1942

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES  
JAN 15 1942  
L. & A. SEC.

Diag. Cht. No. 8860-2

Form 504  
Ed. June, 1928  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
L. O. Colbert  
\_\_\_\_\_, Director

State: ALASKA

DESCRIPTIVE REPORT

~~Topographic~~ } Sheet No.  
Hydrographic }

LOCALITY

ALEUTIAN ISLANDS

Tuscarora Rock

19 41

CHIEF OF PARTY

Wm. D. Patterson

F E 1  
1942

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

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

Field No. ....

REGISTER NO.

State ALASKA

General locality ALEUTION ISLANDS

Locality UNALASKA

Scale 1:1200 Date of survey Aug. 4 & 5, 1941

Vessel SHIP PIONEER

Chief of Party WM. D. PATTERSON

Surveyed by RALPH L. PFAU

Protracted by WALTER J. CHOVAN  
inked

Soundings ~~performed~~ by WALTER J. CHOVAN

Soundings in ~~fathoms~~ fathoms feet

Plane of reference M L L W

Subdivision of wire dragged areas by .....

Inked by .....

Verified by Wallace A. Bruder January 29, 1942

~~Instructions dated~~ AUG. 3, 1941

Remarks: Request by Navy Department, Dutch Harbor, Alaska.

REPORT TO ACCOMPANY HYDROGRAPHIC SURVEY  
AT TUSCARORA ROCK

The request for the Survey of Tuscarora Rock came from the Navy Department at Dutch Harbor, Alaska, to determine to what depth this rock had been blasted.

The control was furnished by the Navy Department at Dutch Harbor, Alaska. The control was furnished on graph paper, on their coordinate system. The signals were pricked thru on boat sheet paper for use in the field.

Two days work was done in the field on Aug. 4 and Aug. 5 inclusive.

To develop the area around the rock drift soundings were used throughout. A 14 lb. lead was used as the current was quite strong. All shoal soundings, beginning and ending of drift lines, and a few additional soundings to get the characteristic soundings in the vicinity were recorded.

The tides, for reduction of soundings, were intended to be taken from the standard tide gage at Dutch Harbor, Alaska, but it was found that the tide gage was out of commission the days work was done in the field, so predicted tides were used.

A tracing of the boat sheet was furnished the Navy Department, Dutch Harbor, Alaska, while in the field.

*Walter Chovan*

Walter Chovan  
Jr. H. C&GS  
Ship PIONEER

F. E. - 1 1942

Tuscarora Rock

Unalaska -

Aleutian Is.

E, W, 0 + 00

F.E. 1, 1942

E, W, 0 + 00

166° 32' 15"

166° 32' 15"

S 30 + 00

S 20 + 00

53° 52' 45"

# HYDROGRAPHIC SURVEY TUSCARORA ROCK DUTCH HARBOR, ALASKA

Soundings taken August 4<sup>th</sup> & 5<sup>th</sup>, 1941  
Soundings in feet at M.L.L.W. (Predicted tides)  
Wm. D. Patterson Chief of party  
U. S. C. & G. S. Ship "Pioneer"

SCALE 1 inch = 100 ft.



Other signals used: (Dutch Harbor Datum)

Δ AMAK (Origin of coordinates)  $\left\{ \begin{array}{l} \phi 53^\circ 53' \quad (1717.1) \\ \lambda 166^\circ 32' \quad 278.4^m \end{array} \right.$  (GTZ G 2364 State No. 945)

○ Pile  $\left\{ \begin{array}{l} \phi 53^\circ 52' \quad (272.4) \\ \lambda 166^\circ 32' \quad 446.2^m \end{array} \right.$  Scaled by W.A.B.

This sheet verified by W.A. Bruder 1/29/42 (20 hrs)  
Sheet scaled as  $\frac{1}{1204}$  at this time

(667.2)  
 $\phi 53^\circ 52' \quad 1187.9^m$   
(856.3)  
 $\lambda 166^\circ 32' \quad 239.9$  } CROSS

Δ Unalaska Russian Church Higher Cross, 1901

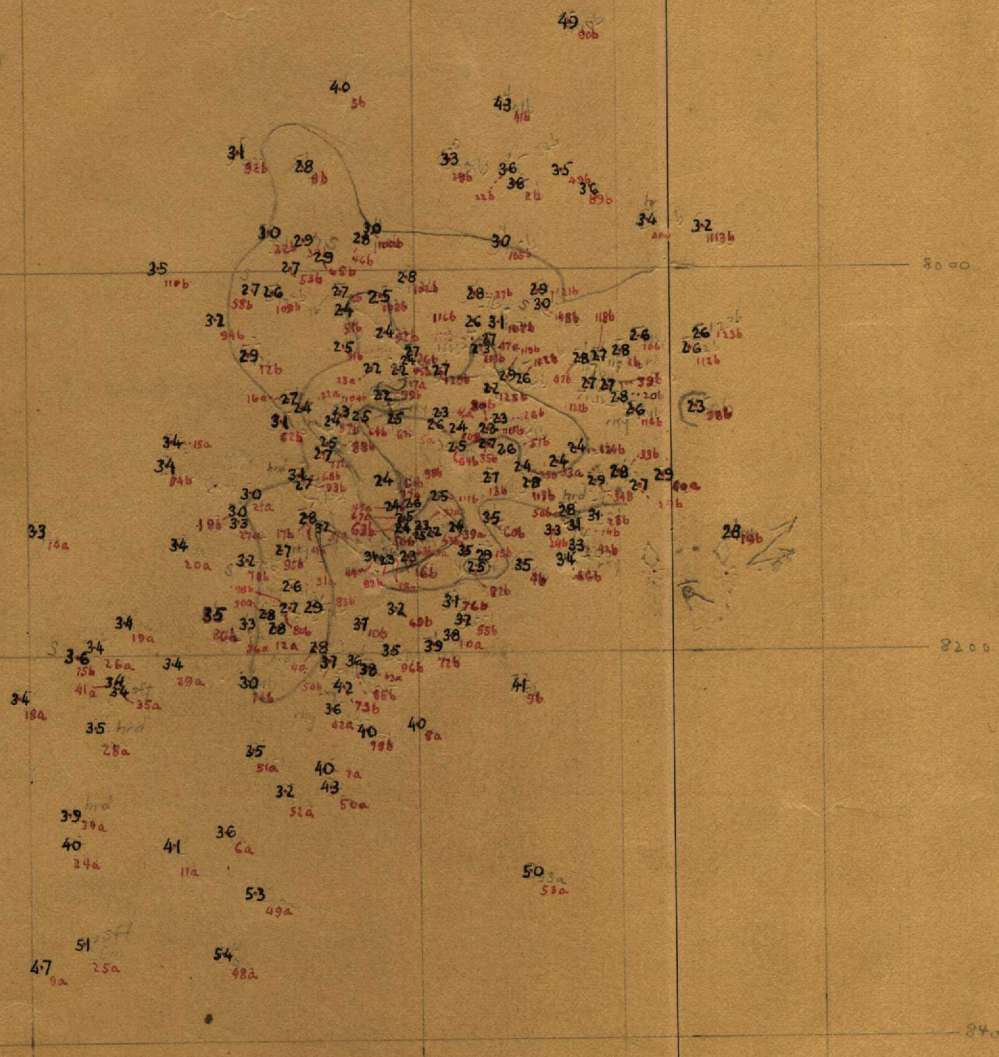
(GTZ G 2364)  
State No. 945

ASTRO  $\left\{ \begin{array}{l} \phi 53^\circ 52' \quad (728.2) \\ \lambda 166^\circ 32' \quad 1126.8^m \end{array} \right.$   
(394.6)  
101.6^m

Δ Unalaska Astronomical Station, 1896

(GTZ G 2364)  
State No. 945

NORTH



166° 32' 00"

166° 32' 00"

S 30 + 00

S 20 + 00

53° 52' 45"

E 10 + 00

E 10 + 00