4286 & 4287

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

....., Director

L. & A.

Acc. No.

State: Washington

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. 4286 and 4287

LOCALITY

Puget Sound

Port Gamble and Squamish Harbor

to Lofall-(4686)

Ent. Hood Canal to Termination Pt.-(4687)

1927

CHIEF OF PARTY

G.C.Jones

GOVERNMENT PRINTING OFFICE

C. & G. SURVEY
L. & A.
DEC 6 1927
Acc. No.

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEETS "E" & "F"

HOOD CANAL

Admiralty Inlet to Squamish Bay.

Squamish Harbor to Thorndyke Bay and Port Gamble (Insert)

STATE : WASHINGTON.

U. S. M. V. NATOMA. G. C. JONES, H. & G. E. Comdg.

Season 1927.

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEETS.

HOOD CANAL.....
1. Admiralty Inlet to Squamish Bay.
2. Squamish Harbor to Thorndyke Bay and Port Gamble (Insert).

Authority. This survey was executed under instructions of the Director to the Commanding Officer of the Motor Vessel NATOMA, dated May 3, 1927.

Limits. It includes the topography of both shores of Hood Canal from just South of the entrance to the canal to Hannan Point and thence to approximately Squamish Harbor. Port Gamble was omitted and placed on the second sheet along with the remainder of the topographic survey of the remainder of Hood Canal from Squamish Harbor to Thorndyke Bay.

General Description. The shore line is with but one exception a sand beach with numerous small boulders strewn along the beach. This exception is south of spits at North entrance to Hood Canal between ⊙ SEP and ⊙ GC where the high waterline is along an outcrop of rock. At this point there are also several rocks awash at high water none of which however are far enough off shore to be dangerous. The terrain back from the shore line is all heavily wooded in many cases the tree line conforming with the high water line. The inshore topography is constituted entirely of low rolling hills in no cases reaching much more than 400 feet in elevation. In many places these hills drop off in a vertical cliff, mostly clay banks, close to the water's edge.

Changes: Very few changes were noted in the topographic features of this survey and those of the now existing chart of this locality (6450). On the East side of Hood Canal just south of the entrance between GUN and DU a swamp makes back into the woods. Just South of this point on the flats the arms covered with swamp grass make out in a slightly different manner from that shown on the chart. In behind Hood Head the bay shown at high water appears to be more of a swamp. The hills in some cases also seem to be a little different.

Landmarks: The only prominent landmarks that might be used as aids to navigation were cut in by triangulation and appear in the report of same.

Survey Methods: The entire survey was made by the ordinary planetable methods. The signals could be mostly cut in by planetable triangulation from established triangulation stations. Others were located by planetable traverse The elevations of the hills were computed with the hypsograph. In most cases the form lines were rather rough due to the fact that points on these hills could not be seen from different points along the traverse. The swamps were sketched in as there was no clear high water mark. By carrying this planetable triangualtion down both sides of the canal the survey checked out with practically no discrepancies. Due to the detail around Port Gamble this portion of the work was executed on a 1 : 5000 scale as an insert on the second sheet, the remainder of the work having been done on a scale of 1 : 10000.

Respectfully submitted

Chas R Bush Jr

Chas. R. Bush, Jr.
Jr. H. & G. E.

FORWARDED

G. C. Jones

G. C. JONES, H. & G. E.
CHIEF OF PARTY: C. & G. S.

Inspected and found adequate. The form lines are of little value due to insufficient number of determined elevations. E. P. Reis. Feb. 1928

Form 537a
11—5813

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4286

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. F

REGISTER NO. 4286

State Washington

General locality ~~Port Gamble~~ Puget Sound

Locality Port Gamble and Squamish Harbor to LoFall

Scale 1:5000 (1:10000) Date of survey July, 1927

Vessel M.V. NATOMA

Chief of Party G.C. Jones

Surveyed by Chas. R. Bush Jr.

Inked by Chas. R. Bush Jr.

Heights in feet above Mean H.W. to ground ~~to tops of trees~~

~~Contour~~, ~~Approximate contour~~, Form line interval 100 feet

Instructions dated May 3, 1927

Remarks: No form lines on ~~this sheet~~ Port Gamble portion, ground low and rolling

GPO

Form 537a
11—5813

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4287

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. E

REGISTER NO. 4287

State Washington

General locality ~~Hood Canal~~ Puget Sound

Locality Entrance to Hood Canal to Termination Point and Port Gamble

Scale 1 : 10000 Date of survey July, 1927

Vessel Motor Vessel NATOMA

Chief of Party G. C. JONES.

Surveyed by Chas. R. Bush Jr.

Inked by Chas. R. Bush Jr.

Heights in feet above Mean H. W. ~~to ground~~ to tops of trees

Contour, Approximate ~~contour,~~ Form line interval 100 feet

Instructions dated May 3rd, 1927

Remarks:

GPO

NAUTICAL CHARTS BRANCH

SURVEY NO. T-4286 T-4287

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8/30/45	6421	K.J. Ellegman	~~Before~~ After Verification and Review
	6422	H.E.M.	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.