



Mapped by the Army Map Service  
Published for civil use by the Geological Survey  
Control by USC&GS, USCE, Oregon State Highway  
Department, and Pacific Power and Light Company  
Topography from aerial photographs by multiplex methods  
Aerial photographs taken 1943. Field check 1949  
Coastal hydrography compiled from USC&GS Chart 6151, 1949  
Polyconic projection. 1927 North American datum  
10,000-foot grids based on Oregon coordinate system  
north zone, and Washington coordinate system, south zone  
Red tint indicates areas in which only  
landmark buildings are shown  
Dashed land lines indicate approximate locations  
1000-meter Universal Transverse Mercator grid ticks,  
zone 10, shown in blue

SCALE 1:24,000  
1 0 1000 2000 3000 4000 5000 6000 7000 FEET  
1 5 10 15 20 KILOMETER  
CONTOUR INTERVAL 50 FEET  
DASHED LINES REPRESENT HALF-INTERVAL CONTOURS  
DATUM IS MEAN SEA LEVEL  
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOWER LOW WATER  
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 8 FEET  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION 1951  
Heavy-duty 4 LANE 6 LANE Light-duty  
Medium-duty 4 LANE 6 LANE Unimproved dirt  
U. S. Route State Route  
U.S.G.S. Historical File Topographic Division  
ASTORIA, OREG.—WASH.  
N4607.5—W12345/7.5  
1949  
AMS 1276 III NE—SERIES V892

U.S.G.S.  
FILE COPY  
TOPOGRAPHIC DIVISION  
JAN 17 1969