



Maped, edited, and published by the Geological Survey
Control by USGS, USC&GS, USCE, and State of Oregon
Topography from aerial photographs by Kelsh plotter methods
and by plane-table surveys 1930 and 1953. Aerial photographs taken 1951
Hydrography compiled from USC&GS Chart 6153
Polyconic projection. 1927 North American datum
10,000-foot grids based on Washington coordinate system, south zone
and Oregon coordinate system, north zone
Dashed land lines indicate approximate locations
Unchecked elevations are shown in brown

SCALE 1:24000
1 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 5 1 KILOMETER
CONTOUR INTERVAL 20 FEET
DASHED LINES REPRESENT HALF INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET—COLUMBIA RIVER DATUM
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 5 FEET
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
U. S. Route ——— State Route ———
KALAMA, WASH.—OREG.
SE/4 KALAMA 15' QUADRANGLE
N 4600—W 12245/7.5
1953