



Maped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by multiplex methods  
Aerial photographs taken 1946. Field check 1951  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Oregon coordinate system, north zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 11, shown in blue  
Dashed land lines indicate approximate locations

1" OR  
20 MILS

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET  
1 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 40 FEET  
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Unimproved dirt - - - - -  
U.S. Route

BATES, OREG.  
N4430-W11830/15