

**Lookingglass Formation**

Massive, medium to coarse grained sandstone; channelled and cross-bedded sandstone; coarse grained pebbly sandstone and conglomerate lenses and channels; massive to thick bedded conglomerate; minor rhythmically bedded sandstone and mudstone.

**Roseburg Formation**

Massive, fine to medium grained sandstone with scattered lenses of chert pebble conglomerate; minor rhythmically bedded sandstone and mudstone.

**Otter Point Formation**

Jop - undifferentiated, but predominantly pervasively sheared mudstone and argillite surrounding blocks of: Jss - lithic sandstone (graywacke), pebble to cobble conglomerate, and rhythmically bedded sandstone and shale (argillite); Joc - rhythmically bedded radiolarian chert; Jov - massive metabasalt; Jsh - massive, foliated, or gneissic banded, garnet, glaucophane schist (blueschist). A mélange complex.

Contact, dashed where approximate.

Fault, dashed where approximate, dotted where inferred; U, upthrown side; D, downthrown side.

Lateral fault, dashed where approximate; dashed arrows in inferred direction of movement.

Shear zone, serpentized.

Syncline, axial trace, plunging in direction of arrow.

Strike and dip of beds.

GEOLOGY  
by  
C.F. GULLIXSON  
1981

Map compiled from field data collected 1978 - 1980.

LANGLOIS, OREG.  
N4245-W12415/15

1954

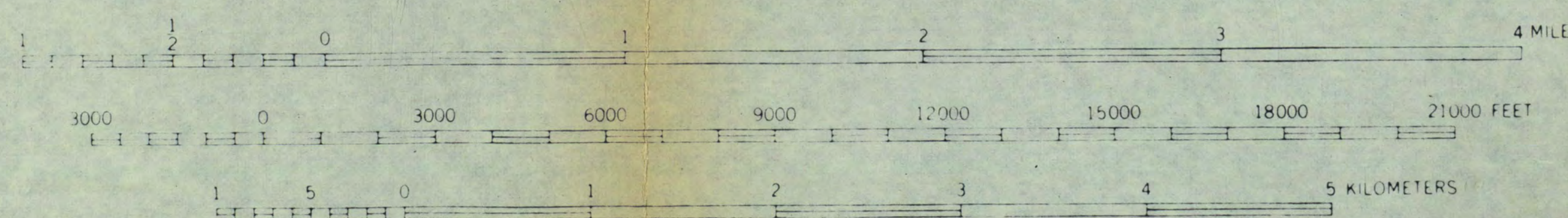
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Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods  
Aerial photographs taken 1952. Field check 1954

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Oregon coordinate system, south zone  
Dashed land lines indicate approximate locations

1000-meter Universal Transverse Mercator grid ticks,  
zone 10.



ROAD CLASSIFICATION  
1963  
Heavy-duty ——— Light-duty ———  
Unimproved dirt ———  
U.S. Route ———