



STRUCTURAL GEOLOGY OF THE NORTHEAST QUARTER OF THE DUTCHMAN BUTTE QUADRANGLE, OREGON

Figure 1

**Lookingglass Formation: Telo-Olalla**  
 Telo Member - sandstone  
 Telt - Tertiary Member - mudstone  
 Telb - Bushnell Rock Member - conglomerate  
 UNCONFORMITY

**Roseburg Formation:** sandstone, mudstone  
 UNCONFORMITY

**Days Creek Formation:** sandstone  
 UNCONFORMITY

**Riddle Formation:** conglomerate, sandstone, mudstone  
 UNCONFORMITY

**Jo-Otter Point Formation:** sandstone, mudstone, chert, volcanic pods (N. Canyonville zone)  
 Jd - Dothan Formation: sandstone, siltstone

**Serpentinite:** forms belts in Canyonville zone, pods in Otter Point Fm., includes pods of variable composition

**Greenstone:** belt in Canyonville zone; greenstone volcanic rocks dominate belt ("W. Rogue Fm.")

**Peridotite:** belt in Canyonville zone dominated by peridotite

**Geologic Symbols**

contact	anticline
approximate contact	horizontal beds
syncline	strike & dip of beds
vertical beds	fault - U up, D down; horizontal movement direction
concealed fault	fossil locality
	fault movement + toward, - away (sections)

0 1 2 3 kilometers  
 0 1 2 3 miles