

Geologic Map of the Cabbage Hill Quadrangle, Umatilla County, Oregon

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by Mark L. Ferns
Oregon Department of Geology and Mineral Industries
Dr. Vicki S. McConnell, State Geologist

EXPLANATION

Surficial Units

- | | |
|------------|--|
| Qal | Alluvium (Holocene and upper Pleistocene) |
| Qls | Landslide deposits (Holocene? and Pleistocene) |
| Qf | Alluvial fan gravels (Holocene and Pleistocene?) |
| Qt | Terrace gravels (Holocene ? and Pleistocene) |

Sedimentary Rocks

- Tms McKay Formation

Columbia River Basalt Group

Wanapum Basalt

- Tcwf** Frenchman Springs member (middle Miocene)

Grande Ronde Basalt

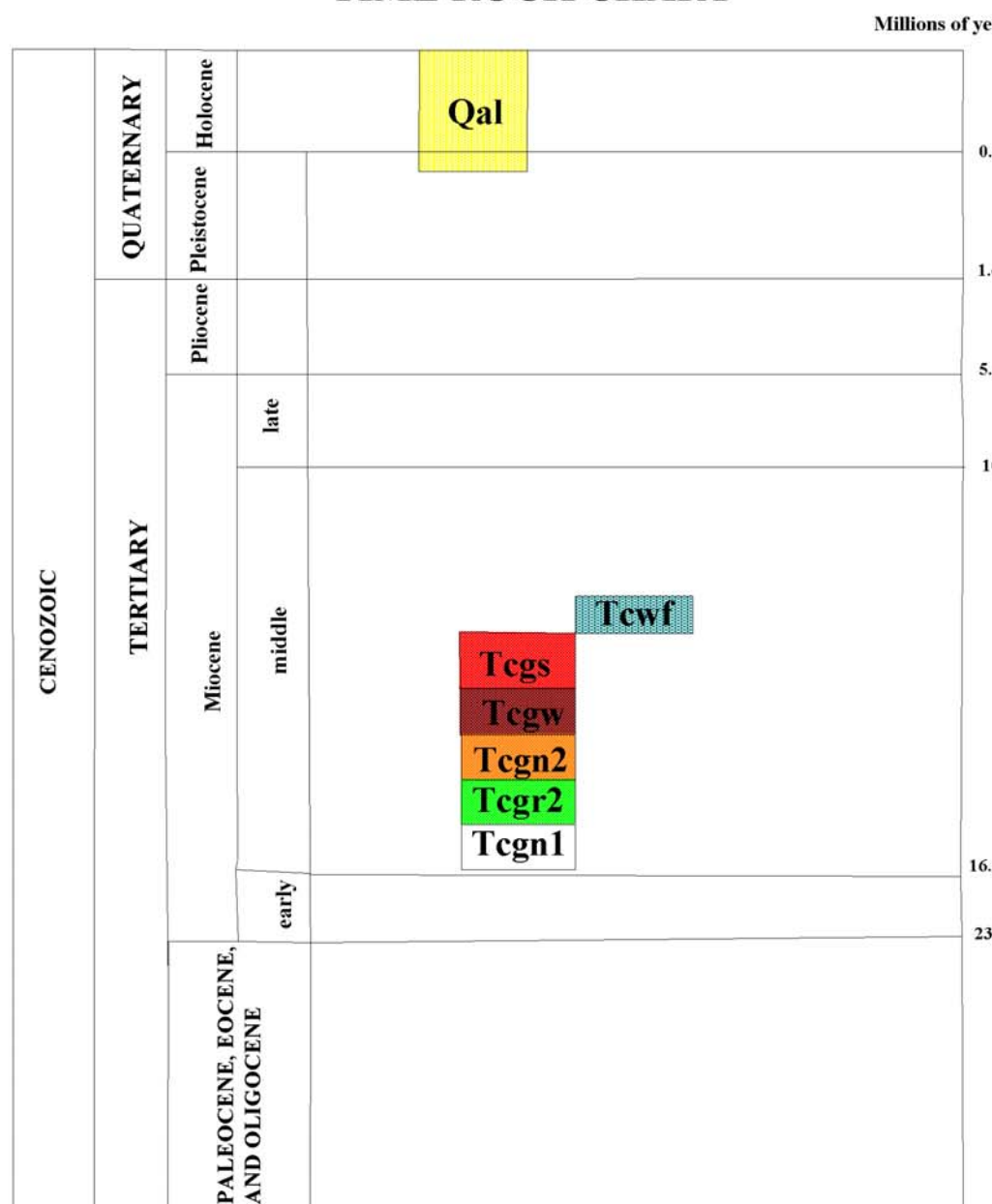
- The diagram illustrates a stratigraphic column with the following units from top to bottom:

 - Tcgn2** (orange box)
 - N2 Magnetostratigraphic unit (middle Miocene)** (yellow box)
 - Tcgs** (red box) - Sentinel Bluffs member
 - Tcgw** (dark red box) - Winter Water member
 - Tcgr2** (green box)
 - R2 Magnetostratigraphic unit (middle Miocene)** (yellow box)
 - Tcgn1** (white box)

The N2 and R2 units are highlighted in yellow, indicating they are the focus of the study. The Tcgs and Tcgw units are labeled with their respective members: Sentinel Bluffs member and Winter Water member.

- Fault, approximately located. Dashed where concealed
Hachures on downdropped side
- Anticlinal fold axis, arrow in direction of plunge.
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◆ Location from where analyzed rock chip sample was collected

TIME ROCK CHART



After Berggren and others, 1985 and Kent and Gradstein, 1985

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