

DESCRIPTION OF MAP UNITS

Quaternary Surficial Deposits

Qal	Alluvium
Qalo	Older alluvium
Qaf	Alluvial fan
Qls	Landslide (includes multiple generations of landslide events and translational block landslides)
Qed	Eolian dune sand
Qtcr	Colluvium and loess deposits including local overbank ancestral Columbia River deposits and modern day deposition of fine-grained sediments

Pleistocene Volcanics

Qtb	Haystack Butte Basalt
Qti	Haystack Butte Intrusive Dike

Upper to Middle Miocene Stratified Volcanic Deposits

Columbia River Basalt Group

Wanapum Formation

Twpr	Priest Rapids Member, Basalt of Rosalia
Twr	Basalt of Roza
Twsg	Frenchman Springs Member, Basalt of Sentinel Gap
Twsh	Frenchman Springs Member, Basalt of Sand Hollow
Twg	Frenchman Springs Member, Basalt of Gingko

Grande Ronde Formation

Tgr	Undifferentiated basalt flows
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SYMBOLOLOGY

	Contact, identity and existence certain, location approximate
	Contact, identity and existence questionable, location approximate
	Contact, identity and existence certain, location inferred
	Contact, identity and existence certain, location concealed
	Contact, identity and/or existence questionable, location concealed
	Unconformable contact, identity and existence certain, location accurate
	Unconformable contact, identity and existence certain, location concealed
	Unconformable contact, identity and/or existence questionable, location concealed
	Intrusive contact with dike, identity and existence certain, location approximate
	Thrust fault, identity and existence certain, location concealed and inferred
	Oblique slip fault, right lateral offset, identity and existence certain, location inferred. Arrows show relative motion, U and D symbols on upthrown and downthrown blocks
	Strike-slip fault, right-lateral offset, identity and existence certain, location inferred. Arrows show relative motion
	Strike-slip fault, right-lateral offset, identity and/or existence questionable, location inferred. Arrows show relative motion
	Fracture plane or conjugate fault to larger structure, relative motion unknown, identity and/or existence questionable, location approximate
	Fault breccia zone or zone of deformation around fault
	Anticline fold axis, identity and existence certain, location concealed and inferred
	Anticline fold axis, identity and/or existence questionable, location concealed and inferred
	Syncline fold axis, identity and/or existence certain, location concealed and inferred
	Fold limb dip-domain boundary, arrows show direction of dip; shorter arrow on steeper limb, identity and existence certain, location inferred
	Fold limb dip-domain boundary, arrows show direction of dip; shorter arrow on steeper limb, identity and/or existence questionable, location inferred
	Head scarp of active or inactive landslide, hatchures point down scarp
	Internal or minor scarp in landslide, circles on the down scarp side
	Landslide deposit, arrows show direction of downslope movement
	Inclined bedding plane (when measured in basalt flow - taken perpendicular to primary cooling joints)
	Horizontal basalt flow (measured in basalt flow perpendicular to cooling joints)
	Trend and plunge of vertical fracture plane
	Trend and plunge of fracture plane, plunge angle labeled
	Location of geochemical analysis, circles colored according to map unit identity
	Location of samples analysed for Infrared Stimulated Luminescence (IRSL) ages
	Edges of cross-section line