


DRAINAGE BASIN

 QUATERNARY ROCKS

Andesite flow of West Crater
and andesite scoria cone of
Hackamore Creek (Polivka, 1984)




UNDIFFERENTIATED TERTIARY ROCKS

Rocks of uncertain affinity believed to represent a mix of both pre- and post-Silver Star volcanism (80+% pyroclastic rock = hatchured)



SILVER STAR EQUIVALENT ROCKS

Fine- to medium-grained light gray to buff, holocrystalline, equigranular diorite and quartz diorite

 PRE-SILVER STAR ROCKS - PYROCLASTIC

Areas underlain by greater than 80% pyroclastic rock composed of the Ohanapecosh Fm. or the Skamania Volcanics

 PRE-SILVER STAR ROCKS

Igneous and pyroclastic rocks of the Ohanapecosh Formation and andesite and basaltic andesite of the Skamania Volcanics

FAULTS

Strike-slip (arrows show motion)

D - Dip-slip (downthrown side marked)

POTENTIAL VENT LOCATIONS

● Sheeted dike plug:
vertical concentration of
dikes with intrusive and
cross-cutting relationships

- Vertically zoned plug:
characterized by vertical
columns and a decrease in
grain size upward

● TOURMALINE PIPES

Tourmaline breccia and replacement pipes ranging from 50 to 80% tourmaline, 30 to 70% plagioclase and less than 5% quartz. Both massive and prismatic tourmaline occur. Tourmaline pipes are common around the Saturday Rock/Green Lookout Mountain area. Tourmaline-bearing rock is common in the area along Upper Canyon Creek in Sections 5 & 6 T4NR6 even though pipes have not been found.

