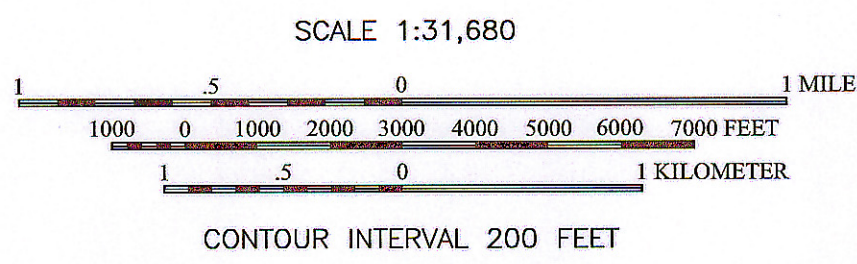




GEOLOGIC MAP OF THE EASTON AREA,
KITITITAS COUNTY, WASHINGTON

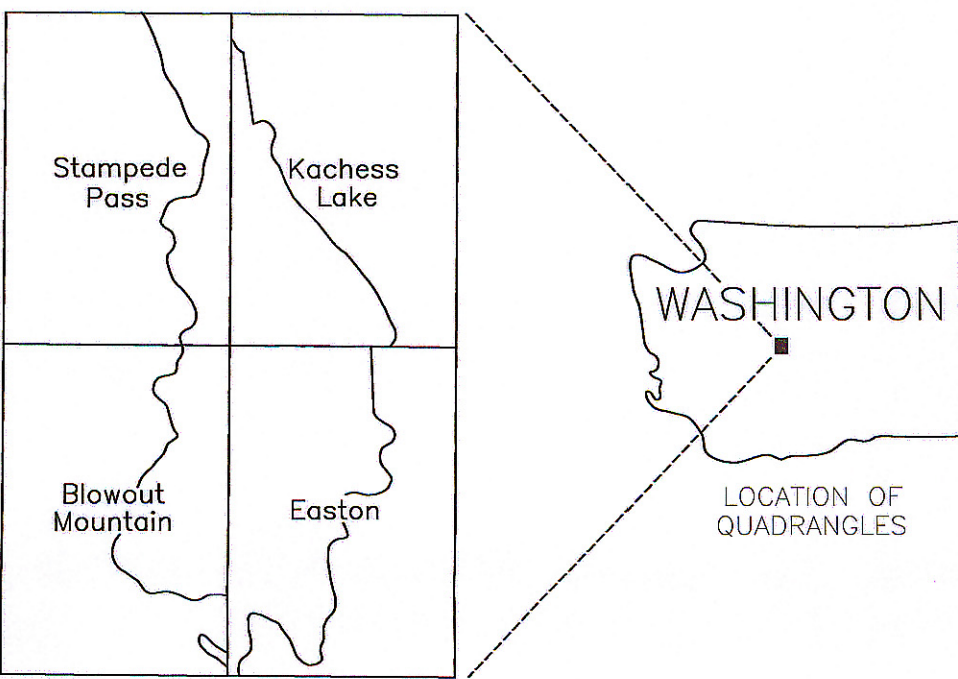
by
Eric S. Cheney
1999



EXPLANATION

- Tertiary Intrusive Rocks**
- ΦM_i Tonalitic intrusions (Oligocene to Miocene)
- Tertiary Sedimentary and Volcanic Rocks**
- Φo Predominantly andesitic rock
 - Ohanapcosh Formation (Oligocene)**
 - En_s Arkosic sandstone and black and olive siltstone
 - En_a Andesitic volcanoclastic rock
 - En_f_2 Felsic volcanic rock, locally contains felsic clasts
 - En_m Andesitic volcanoclastic rock with felsic clasts
 - En_f_1 Felsic volcanic rock, locally contains felsic clasts
 - Roslyn Formation (Eocene)**
 - Er Arkosic sandstone and black to olive siltstone
 - Teanaway Formation (Eocene)**
 - Etf Felsic volcanoclastic rock in Etg and Etb
 - Ets Predominantly arkosic sandstone and siltstone in Etg and Etb
 - Etb Black, subophitic, commonly amygdaloidal basalt
 - Etg Glomerophyritic, commonly amygdaloidal basalt
 - Tanum Formation (Eocene)**
 - Eaf Predominantly felsic volcanic rock
 - Swauk Formation (Eocene)**
 - Ess Arkosic sandstone and black and olive siltstone
 - Esv Andesitic volcanoclastic rock
 - Mesozoic Metamorphic Rocks**
 - Kh_b Orthogneiss of Hicks Butte (Cretaceous)
 - Sh Shuksan Greenschist (Jurassic)
 - Jes Predominantly green phyllite

- Contacts**
- Inferred; dotted where concealed
- Faults**
- U --- D --- High-angle fault - inferred; dotted where concealed; U, upthrown block; D, downthrown block; half arrows in cross sections indicate direction of relative movement
- Folds**
- Anticline - inferred; dotted where concealed
 - Syncline - inferred; dotted where concealed
- Strike and dip of bedding**
- 65° inclined
 - + vertical
 - 55° overturned
 - 50° inclined
 - + vertical
 - 70° inclined
 - + vertical
 - 80° inclined
- Strike and dip of joints**
- Strike and dip of cleavage**



Unconsolidated deposits are not shown, but contacts, faults, and folds, where dotted, are concealed beneath unconsolidated deposits.

CROSS SECTIONS

