



*Sample Locality Map*  
**GEOLOGY of the CANYON CREEK-  
CHURCH MOUNTAIN AREA,**  
NORTH CASCADES, WASHINGTON  
*Geology by J. L. Jones, 1952*

AGE	ROCK UNITS	LITHOLOGIES	SYMBOLS
QUATERNARY	Q	Quaternary alluvium Qa - glacial till Qd - dunes	Qa - thin and silty sand Qd - thin and silty sand with occasional gravel Qc - silty sand with gravel Qd - thin and silty sand
TERTIARY	Ta	Tertiary siltstone	Ta - thin and silty sand with occasional gravel Tb - thin and silty sand with occasional gravel
JURASSIC-CRETACEOUS	Jc	Blackfoot Group	Jc - thin and silty sand with occasional gravel Jd - thin and silty sand with occasional gravel
TRIASSIC	Tc	Triassic siltstone	Tc - thin and silty sand with occasional gravel Td - thin and silty sand with occasional gravel
DEVONIAN-PERMIAN	Pc	Chimney Bluffs Pc - thin and silty sand with occasional gravel Pd - thin and silty sand with occasional gravel	
PERMIAN-TRIASSIC	Pt	Permian siltstone	Pt - thin and silty sand with occasional gravel Pu - thin and silty sand with occasional gravel
PRECAMBRIAN-TRIASSIC	pDY	Shinarump Congl.	pDY - thin and silty sand with occasional gravel pDY - thin and silty sand with occasional gravel
	S	Sedimentary	S - thin and silty sand with occasional gravel

