

THIS PROJECT IS A CONTRIBUTION TO THE CANADA/BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT 1985-1990

MDA G1322  
OPEN FILE MAP 1987-9  
**GEOLOGY OF THE EUREKA PEAK -  
MacKAY RIVER AREA**  
CENTRAL BRITISH COLUMBIA  
NTS 93A/7

BY MARY ANNE BLOODGOOD  
(SEE BELOW FOR ADDITIONAL SOURCES OF DATA)

LEGEND

RECENT  
QUATERNARY  
[Qal] Till, alluvium, colluvium

INTERMONTANE BELT  
LATE TRIASSIC - EARLY JURASSIC  
TAKLA GROUP  
[Jrb] Massive, porphyritic flows, breccia and tuff  
[Jra] Massive flows, agglomerates, ashflow tuffs, pillow basalts, mafic dykes and minor limestone

MIDDLE - LATE TRIASSIC  
QUESNEL RIVER GROUP  
[Tc] Volcaniclastic  
[Tb] Banded slates and tuffs, minor fossiliferous and limestone  
[Ta] Black phyllites  
[Tas] Graphitic black phyllites, with interbedded quartz sandstone and limestone  
[Tas] Silty slates  
[Taa] Laminated phyllite and porphyroblastic phyllite  
[Taa] Phyllitic siltstone  
[Taa] Micaceous black phyllite and tuffs  
[Ta1] Micaceous quartzite

PALEOZOIC  
MISSISSIPPIAN - EARLY PERMIAN (?)  
[Pca] Crooked Amphibolite; amphibole - chlorite schist, chlorite - epidote schist, ultramafic nodules

OMINECA BELT  
HADRYNIAN AND YOUNGER  
SNOWSHOE FM  
[HPa] Alkali feldspar augen gneiss  
[HPa] Pelitic schist, minor quartzite  
[HPa] Garnet marbles, lenses and lenses  
[HPa] Quartzofeldspathic gneiss

SYMBOLS  
Geologic contact (observed, inferred or extrapolated) .....  
Fault contact .....  
Cross-cutting fault .....  
Bedding (strike/dip) .....  
Foliation .....  
Primary metamorphic foliation (Omineca Belt) .....  
Lineation (trend/plunge) .....  
Minor fold axes showing symmetry .....  
Axial trace of minor structures (antiform, synform, overturned) .....

Mineral Occurrences:  
Minfile No. Property Commodity  
Frasergold Au, Ag, Cu, Zn, Pb  
Eureka Peak Cu, Au

Based on British Columbia Ministry of Energy, Mines and Petroleum Resources MINFILE data.

Additional Data:  
Bloodgood, M.A. 1987. Geology of the Triassic Black Phyllite in the Eureka Peak Area, Central British Columbia (93A/7). British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1986, Paper 1987-1.  
Campbell, R.V. 1971. Metamorphic Petrology and Structural Geology of the Crooked Lake area, Cariboo Mountains, British Columbia. Ph.D. Thesis, University of Washington, Seattle, Washington, 192 pages.  
Campbell, R.B. 1978. Quesnel Lake (93A) Map-area, British Columbia. Geological Survey of Canada, Open File Map 574.  
Cary, J.A. 1986. The Structural Geology of the Crooked Lake Area, Quesnel Highlands, British Columbia. MSc Thesis, University of British Columbia, Vancouver, British Columbia, 185 pages.  
Elsby, D.C. 1985. Structure and Deformation Across the Quesnellia-Omineca Terrane Boundary, Mt. Perseus Area, East-central British Columbia. MSc. Thesis, University of British Columbia, Vancouver, British Columbia, 178 pages.  
Fillipone, J.A. 1985. Structure and Metamorphism of the Omineca Belt Near Boss Mountain, East Central British Columbia. MSc. Thesis, University of British Columbia, Vancouver, British Columbia, 150 pages.

Scale 1:25 000  
0 1 2 Kilometers  
0 0.5 1 Miles

