

GEOLOGICAL AND NATURAL HISTORY SURVEY OF CANADA.



Explanation of Colours.

- Miocene (Chiefly volcanic)
- Miocene (Sedimentary)
- Cretaceous.
- Palaeozoic (General colour.) Includes Nicola Group of Geol. Survey Reports and Triassic at Summit of Rocky Mountains.
- Palaeozoic (Metamorphic)
- Archæan (probably.)
- Igneous Rocks (Acidic.)
- Igneous Rocks (Basic.)

Siltstone-slates, all finely laminated, and fossiliferous porphyry in green and shaly rocks.

Intrusive granite veins with gneissic lamination.

Green and black pyritic slates and thin limestones. At X a large quartz vein.

Slates, limestones and calcareous breccias. Hard conglomerates above quartz-rock of the Kettle Falls.

Greenstone dykes very numerous. Hard conglomerates above quartz-rock of the Kettle Falls.

Limestones, quartz-rock and black siliceous slates. Soft rotten granite, much sandstone near the western edge by dikes of massive granite. foliolar with interspersed nodules of quartz. Detached outcrops of basalt are very numerous along the Spoken and Chemukane Valleys.

ROCKY MOUNTAINS.



red and green of salt crystals.

Blue fossiliferous limestones.

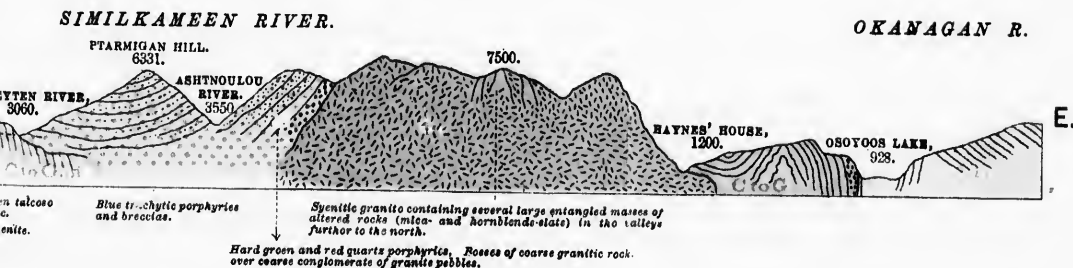
Purple and green slaty sandstones, red shales and concretionary limestones, with interstratified basaltic trap. The top beds are shaly red sandstones very much crusted with micaceous iron ore.

THE BUFFALO PLAINS.

Projected into an East and West Line.

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ASHTNOULOU AND OKANAGAN MOUNTAINS.



Blue trachytic porphyries and breccias.

Syenitic granite containing several large entangled masses of altered rocks (mica- and hornblende-slate) in the valleys further to the north.

Hard green and red quartz porphyries. Rocks of coarse granitic rock over coarse conglomerate of granite pebbles.

OS LAKE.

ESQ., F. G. S.

THE BURLAND LITHOGRAPHIC CO MONTREAL

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