



### LEGEND

**Geology**

**Quaternary**

- Ca Glacial deposits

**Tertiary to Miocene**

**Oligocene**

- dd Light orange weathering dacite dikes, fine grained to aphanitic, plagioclase and lesser quartz
- fp Light grey weathering with a blocky joint pattern. White, fine to medium grained euhedral plagioclase in a fine grained plagioclase groundmass with 2% to 5% fine grained biotite hornblende. The northern section of the Middle Canyon has a large outcrop area of dd intruding or overlying green schist meta-volcanics of Mesozoic age.

**Mesozoic**

**Peninsularian - Permian**

**Schist Group: Station Creek Formation**

- bgpl Black granitic phyllite, often limby with interbedded limestone and quartz schist schist. Lesser foliated gneiss. In Lower Canyon bgpl is intruded by numerous dacite dikes and subsequent intense shearing, faulting and folding has broken the dikes into irregular fragments with bgl. Disseminated fine pyrite 1% to 2% (Lower Canyon area)
- sgp Light cream to tan coloured sericite quartz schist
- gpf Dark to pale green foliated gneiss (chlorite schist). In the downstream section of the Middle Canyon the creek runs through gpf below the road and above the road is intruded by gpf that trends generally east-west across the canyon and irregular dikes of dd that trend north-south sub-parallel to the creek canyon. (gpf) and (gs) are primarily in the Middle Canyon area.
- gs Dark green to brown weathering, moderately to strongly foliated gneiss (meta-volcanics primarily of andesite composition). Highly fractured, oxidized to dark brown and cut by fat string veins spaced, highly fractured and folded - crystalline quartz veins from a few cm to 0.4 m in thickness and with 1% to 2% fine to coarse grained pyrite. The meta-volcanics have from 1% to 15% fine grained disseminated pyrite.
- pa Light grey-green weathering phyllite carbonates. Banded/foliated, strongly laminated, light foliation, less than 1% fine grained disseminated pyrite. (Upper Canyon area)

**Symbols/Abbreviations**

- an andesite
- chr sch chlorite schist
- ser sericite schist
- gph sch granitic schist
- ag argillite
- ox oxidized / pyritic
- carb carbonate
- qv quartz veins
- lim limestone
- py pyrite
- mag magnetite + barite to ++high%
- ca calcium (limy) + barite to ++high%
- o.o outline of rock outcrop
- o.i inferred outline of outcrop
- o.g geological contact
- o.i inferred geological contact
- o.s fault / intense shearing
- o.b bedding attitude
- o.s schistosity / foliation attitude
- o.p attitude of fold axis and plunge
- o.j joint attitude
- o.s slope
- o.h hand specimen
- o.a sample for analysis
- o.w old workings + 1900s-40s
- o.c placer claim posts
- o.q quartz claim posts
- o.r road
- o.e edge of creek gravels
- o.b bulldozer stripped overburden
- o.t bulldozer trench
- o.m muck (gooseflesh)
- o.sb shaped black spruce
- o.sp tall spruce (barned?)
- o.w willow
- o.al alder

**Scale 1 : 1000**

**metres**

### LEGEND

#### Pan Sampling

- ① Location of Pan Sampling Area
- 1 pan sample location
- 2 pan sample location

**Kelli Placer Claim Group GW01054**

Whitehorse Mining Division  
Donjek River - Reed Creek Area  
YUKON

NTS 115G12 UTM Zone 7 NAD 83  
By: Gordon Guttrath, geologist P Eng. February 18, 2015