LEGEND

Geology

Quaternary

Qa — Glacial deposits

Tertiary to Miocene

Oligocene

dd — Light orange weathering dacite dikes, fine grained to aphanitic, plagioclase and lesser quartz

fp — Light gray 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 bladed hornblende. The northern section of the Middle Canyon has a large outcrop area fp and dd intruding or overlying green schist meta-volcanics of Mesozoic age.

Mesozoic

Pennsylvanian - Permian

Skolai Group: Station Creek Formation

bggr — Black graphitic phyllite, often limey with interbedded limestone and quartz sericite schist. Lesser foliated greenstone. In Lower Canyon bggr is intruded by numerous dacite dikes and subsequent intense shearing, faulting and folding has broken the dikes into irregular segments within bggr. Disseminated fine pyrite 1% to 2% (Lower Canyon area)

sqs — Light cream to tan coloured sericite quartz schist

gs(fp) — Dark to pale green foliated greenstone (chlorite schist). In the downstream section of the Middle Canyon the creek runs through gs below the road and above the road is intruded by fp that trend generally east-west across the canyon and irregular dikes of dd that trend north-south sub parralleling the creek canyon.

(gs(fp) and gs are primarily in the Middle Canyon area)

gs — Dark green to brown weathering, moderately to strong foliated greenstone (meta-volcanics primarily of andesite composition). Highly fractured, oxidized to dark brown and cut by flat lying widely spaced, highly fractured and folded – crumpled quartz veins from a few cm to 0.4 m in thickness and with 1% to 5% fine to course grained pyrite. The meta-volcanics have from 1% to 15% fine grained disseminated pyrite.

pe — Light grey-green weathering phyllitic carbonate. Banded/bedded, strongly lineated, tight folding, less than 1% fine grained disseminated pyrite. (Upper Canyon area)

Symbols/Abbreviations

an	andesite	arg	argillite
chl sch	chlorite schist	ox	oxidized / pyritic
ser	sericite schist	carb	carbonate
		qv	quartz veinlets
		lmst	limestone
		py	pyrite
		mag	magnetite + to +++high
		ca	calcium (limy) + low to +++high

- outline of rock outcrop
- inferred outline of outcrop
- geological contact
- inferred geological contact
- fault / intense shearing
- bedding attitude
- schistosity / foliation attitude
- attitude of fold axis and plunge
- joint attitude
- slope
- hand specimen
- sample for analysis
- old workings ≠ 1900s-40s
- placer claim posts
- quartz claim posts
- road /ATV trail
- edge of creek gravels
- bulldozer stripped overburden
- bulldozer trench
- muskeg (permafrost)

sbsp — stunted black spruce
Sp — tall spruce (thawed?)
Vv — willow
Al — alder

Outline of Placer Claims

KELLI 6

KELLI 7

KELLI 5

KELLI 3

Reed - Kelli Creek

FORKS

J.Pautler, PGeo sample 2001
1m. wide qtz stringer vein
1.5 g/t

1980's soil sample taken by Placer Dome 785 ppb Au (location extrapolated)

steep face glacial till +40°

gravel fan

braided channels

bldr trail

glacial till

high bank

glacial till face

black organic muskeg slide

white volcanic ash

low gravel bench

thick alder

willow

buckbrush

large boulders

bldr trench

572200 E
572400 E
572600 E
572800 E
573000 E
573200 E
573400 E
573600 E
573800 E
572000 E

6823200 N
6823400 N
6823600 N
6823800 N
6824000 N
6822800 N

1250m
1200m
1150m
1100m
1300m
1050m

2016 Geochemical Soil, Silt and Rock Sample Results

Geochemical Soil and Silt Sample Results

Gold Value Classification
0 to 50 ppb background / 50 to 100 ppb threshold anomalous / plus 100 ppm anomalous

- 50 ppb, 75, 230 soil sample # and waypoint location e
- 50 ppb , 34, 150 silt sample # and waypoint location
- Threshold anomalous gold value
- Anomalous gold value

Rock Sample Results

- Rock sample #, waypoint location and value in ppb gold
- Anomalous gold value

2016 Rock Specimen Location

- Rock Specimen # and waypoint location

2015 Program

- 150 ppb Au x135 waypoint location — Gold Anomalous Soil Sample
- Soil sample location x 122 waypoint location
- Silt sample location x 243 waypoint location
- Rock sample location x213 waypoint location

2014 Program

- Soil sample location A133 waypoint location — 24 ppb Au Soil sample value
- Silt sample location 105 waypoint location — 20 ppb Au Silt sample value
- Rock sample location 112 waypoint location

2016 EXPLORATION PROGRAM
KELLI CLAIM GROUP

WHITEHORSE MINING DIVISION

Donjek River – Reed Creek Area

Map Sheet 115 G 12 UTM Zone 7 NAD 83

Geochemical Silt and Soil Sampling and Geological Mapping

By: Gordon Gutrath, geologist Peng.

Date: January 20, 2017

SCALE 1 : 1000

MAP 2