

## MINFILE Detail Report BC Geological Survey Ministry of Energy, Mines and Petroleum Resources

Location/Identification				
MINFILE Number	104P 088		National Mineral Inventory Nu	<b>mber:</b> 104P5 Au6
Name(s):	QUARTZ CREEK PLACER			
	QUARTZROCK CREEK, WINGS LEASES			
Status:	Past Producer		Mining Division:	Liard
Mining Method	Underground, Open Pit		<b>Electoral District:</b>	Stikine
Regions:	British Columbia		<b>Resource District:</b>	Skeena Stikine Natural Resource District
BCGS Map:	104P022			
NTS Map:	104P05E		UTM Zone:	09 (NAD 83)
Latitude:	129 42 06 W		Northing:	6570854
Elevation:	1090 metres		Easting:	460010
Location Accuracy	Within 1KM			
Comments:	Located on Quartzrock Creek about 94 kilometres north of the community of Dease Lake.			
Mineral Occurrence				
Commodities:	Gold			
Minerals	Significant:	Gold		
	Mineralization Age:	Quaternary		
	_			
Deposit	Character:	Unconsolidated		
	Classification:	Placer		
	Туре:	C02: Buried-channel placers	5	
Host Rock				
Dominant Host R	ock: Sedimentary			
Stratigraphic Ag	e Group	Formation	Igne	eous/Metamorphic/Other
Ouaternary	Slide Mounta	in	 Gla	 nial/Fluvial Gravels
Quaternary				
Isotopic Age		Dating Method Material Dated		
			-	
Geological Setting				
Tectonic Belt:	Omineca	Physiogra	phic Area: Cassiar Mo	puntains
Terrane:	Slide Mountain, C	Cassiar		
Metamorphic Tvr	e: Regional			
Grade:	Greenschist			
Inventory				
No inventory data				

Capsule Geology

The Quartz Creek Placer occurrence is located on Quartzrock Creek, approximately 94 kilometres north of the community of Dease Lake.

As with many streams in the area, Quartz Creek (or Quartzrock Creek) near Cassiar was not subject to glacial erosion because it lies transverse to the northeast direction of ice travel. Hence the valley is V-shaped and debris filled. Unstratified glacial debris 4.5 to 6 metres thick overlies a 3- to 4-metre thick layer of stratified gravel on bedrock. Interglacial gravel (2 metres thick) and recent alluvium lie on top.

The source of gold is probably from gold-quartz veins occurring in greenstones and metasediments of the Upper Paleozoic Slide Mountain Complex which underlie the area.

Most of the placer mining has been performed at the confluence of Quartz Creek and Troutline Creek, on an old buried channel which trends northwest and has a lower gradient than the present creek bed. The channel has been drifted on for 600 metres upstream.

## Work History

Between 1876 to 1890 and 1921 to 1945, a total of 68.3 kilograms (2400 ounces) of gold was recovered.

In 2013 and 2014, Canada Rockies International Investment completed a 1.1 line-kilometre resistivity survey and an air photo interpretation program on the area to identify possible intact placer deposits.