Yukon Territorial Government Exploration Incentive Program Target Exploration Seattle Creek Bulk Placer Test May 1, 2002 -- Nov. 1, 2002 P16231---P16253 Latitude 63 45' -- 64 00' Longitude 136 00' -- 136 30'

Quartz claim sheet 115P-16

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YMIP 02-062

2002 BULK PLACER GOLD EXPLORATION: TARGET

LOCATION

The Seattle Creek placer claims are located approximately 50 miles north-northwest of Mayo, Yukon. It is accessible by a 4-wheel drive road which branches off the South McQuesten road and follows upstream on Ross Creek. (see fig #1)

GEOLOGY

Resent 1:50 000 scale mapping by Murphey and Heon (1995) shows that the property lies in the immediate hanging wall of the Robert Service Thrust Fault, which has emplaced phyllite and meta-quartzite of the late Proterazoic-Early Cambrian Hyland group over Keno hill Quartzite of Mississippian age. (see fig#3)

All of the rocks on the property are mapped as Highland Group. They lie on the south limb of the east, north-east trending Anticline, the axis of which runs along the McQuesten River Valley 8.5 km north of the property. Foliation strikes generally east, north-east, parallel to the McQuesten Anticline. Discordant foliations and several strong air photo lineaments indicate that the property is cut by north-south faults or fracture zones which may have localised mineralising fluids.

The western property boundary lies approximately 1.3 km east of the Morrison Creek stock, a biotite granite body of Cretaceous age. Results of a regional aeromagnetic survey suggest that a buried intrusion or associated hornfels zone may extend beneath the south part of the property. (see fig. #4+5)

There is a strong possibility that the gold placers in the streams upper reaches have been eroded from these sources. A strong gold, arsenic and antimony anomaly has been identified approximately 2 km. upstream of the bulk test site. Float sulphide found in the test box strengthens the possibility. (see CHEMEX results 1997 Y.M.I.P. Hardrock report DCK Block)

WORK PERFORMED

Trenching and site pit preparation commenced through June and July in areas A B and C.

Three test pits were excavated in the upper reaches of Seattle creek. Tests pit A is located on the upper reaches of Seattle creek just below the confluence of three smaller streams that form Seattle creek. Test pits B and C are 150 m and 300 m below Test pit A respectively. (see fig.#1)

The test pits were excavated and washed through the end of September beginning of October, using a D8K Bulldozer and 235 hydraulic excavator .100 yards of materia! was washed through a test sluice at each of the three sites, after a pump pond was constructed and the pump and sluice plant were set and Plumbed

RESULTS Pit A

Overburden at this site consisted of 1.3 m. of mud overlying a 2.5 M Layer of coarse to bouldery gravel within a tan coloured clay matrix

Placer Gold : .25 grams per cubic yard Sulphide float: 2 cm minus Hematite: 3 cm minus abundant Black sand : coarse abundant

RESULTS pit B

Overburden at this site consists of 1.5 m. of mud overlying a 2.5 m. lens of coarse bouldery gravel within a tan clay matrix

Placer Gold : .35 grams per cubic yard Sulphide float: 1.5 cm. minus abundant Hematite: present not abundant Black sand : coarse abundant

RESULTS pit C

Overburden at this site consists of 1.5 m. of mud overlying a 2.5 m. lens of coarse bouldery gravel within a tan clay matrix

Placer Gold : .25 grams per cubic yard Sulphide float: 2 cm. Hematite: 2 cm. minus abundant Black sand : abundant fine grained

CONCLUSION

The gravels at these locations consist mainly of rock up to 1m. in diameter . The majority of the rocks are.3 m. minus and composed of water worn to jagged phyllite, quartz and limestone.

Gold recovered in the test sluice ranged from very fine to 3 mm. coarse . The largest piece of gold recovered measured 3 mm wide x1mm. thick. Ninety percent of the gold recovered was smaller than 1mm. Gold in these tests is very encouraging the values from these three test pits indicate there may be minable reserves in this area, more exploration on on the west side of this drainage willo be necessary to determine this .

EQUIPMENT USED D8K Cat bulldozer 235 Cat Excavator 8x6 diesel powered Pressure water pump 10x10 wet Grizzly with 18' sluice run. 4x4 Pickup 4x4 Quad









