

Yukon Placer Database Operations Report



Field Name: Buerge, 1997-2002

Last Update: 24-Feb-2005

Status: Active Producer

Stream: Partridge: a tributary of Stewart

Map Sheet(s): 115P/12

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Operators

Name	From (Date)	To (Date)	Comment
Del Buerge	1998/01/01	2002/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Del Buerge	1998/01/01	2002/12/31	

General Location

In 1997, Del Buerge ran a small placer testing operation on a right limit bench of Partridge Creek, between the Klondike highway and the Stewart River.

In 1998, Del Buerge continued to mine this dry bench on an unnamed right limit tributary of Partridge Creek in 1999 in his spare time from the Partridge Creek Farm business in the same area.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 35 0	137 28 0		
2002/01/01	63 40 0	137 30 0		
1997/01/01	63 40 0	137 30 0		

Water Licence(s)

Number	Comments
Sched III	

Work History

1997- One cut, about 100 feet long by 50 feet wide, was excavated, and 5000 cubic yards were sluiced.

1998- Mr. Buerge, and on occasion other members of the family, usually find time in mid to late August for this venture. An area approximately 300 feet by 200 feet has been excavated and processed over the years.

Reclamation is progressive at this site.

Production

Year	Stripped	Sluiced
1997	Unknown	5000 cubic yards

Equipment

In 1997, a small Caterpillar D4 bulldozer was used to strip overburden and a Bobcat loader with a 1/3 cubic yard bucket was used to feed the wash plant. A 1 cubic yard dump box, lined with 1/2 inch punch plate, fed material into a 16 inch diameter trommel, 4 1/2 feet long, with single sluice run, 3 feet long. A gas powered, 3-inch Honda pump supplied approximately 80 igpm of water and about 5 cubic yards per hour were processed. Make up water was pumped from Partridge Creek and waste was settled in and recycled from one out of stream pond.

In 1998, a Construction King 580B backhoe and loader was used for stripping ground, loading and feeding the wash plant, as well as removal of tailings. The washplant is a unique, lightweight home-built aluminum trommel which is easily moved from site to site. Its dimensions are 15 inches wide by 4 feet long and it is attached to a 10 foot by 42 inch dump box. The punch plate is 1/2 inch to 1-1/2 millimetre in size. Added to this is a 3 foot sluice run which contains 2 inch expanded metal over a wool blanket. A small 2 inch Honda pump, powered by a 5

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horsepower gas engine is capable of 40 igpm, processing an average of 6 cubic yards per hour. All activity is out of stream. This tributary basically flows beneath the ground and water acquisition is from Partridge Creek proper.

Landforms

Landform	Comments
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Alluvial Valley	
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Surficial Geology

Partridge Creek lies mainly within the Tintina Trench.

In 1997, less than 1 foot of organic soil was stripped from a thin layer of river gravels, which varied from 2 to 4 feet deep; this shallow bench deposit was only about 4 feet above creek level.

In 1998, The ground is composed of old bar and channels of the Stewart River which are readily visible in aerial photographs. Values are contained in the top 3 feet of gravel which are thawed, almost immediately beneath the surface overburden.

Bedrock Geology

Bedrock is mapped as upper Proterozoic to lower Cambrian coarse turbidic clastics, quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units (Hyland Gp., mostly(?) Yusezyu) at the headwaters of Partridge Creek, while deep quaternary deposits cover lower reaches.

Gold Comments

1997- Bright yellow, flat, round, smooth fine gold was recovered. 85 % was less than 60 mesh, with fineness around 850.

1998- Ninety percent of the gold recovered is -60 or finer with a fineness of 845.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1995, 1996, 1997. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 1998.: P. 138-140

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 156-157

Yukon Placer Atlas Website. 2005. <http://maps Yukon.gov.yk.ca/webmaps/mining/placer/viewer.htm>. Bedrock Geology- Regional Unit Layer.: