

Yukon Placer Database Operations Report



Field Name: Eureka Gold Panning Adventures, 1998-2001

Last Update: 17-Feb-2005

Status: Active Producer

Stream: Hunker: a tributary of Klondike

Map Sheet(s): 1150/15

Page 1 of 2

Operators

Name	From (Date)	To (Date)	Comment
Sandy George	1998/01/01	2001/12/31	
Morris George	1998/01/01	2001/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Sandy George	1998/01/01	2001/12/31	
Morris George	1998/01/01	2001/12/31	
Eureka Gold Panning Adventures	1998/01/01	2003/12/31	

General Location

Morris and Sandy George ran a two person, hand mining operation and tourist gold panning venture on the right fork of upper Hunker Creek.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 54 11	138 55 5		
2001/01/02	63 54 0	138 55 0		
1998/01/01	63 45 0	138 55 0		

Water Licence(s)

Number	Comments
PM99-052	

Work History

Morris and Sandy George ran a two person, hand mining operation and tourist gold panning venture. In 1998, 1999 and 2000 only hand mining occurred. In 2001 approximately 2280 cubic yards of frozen overburden was mechanically stripped from on top of virgin pay gravels which were then mined using hand held tools. No other activity has occurred to date.

Production

Year	Stripped	Sluiced
2001	2280 cubic yards	Unknown

Equipment

A Bantam excavator was leased, on short term basis only, to strip overburden and expose pay gravel. Hand held tools were used to excavate pay gravel and feed the wash plant. Two high bankers, each consisting of a 12 inch by 16 inch grizzly and 26 inches square hopper with water manifold followed by a single sluice run, 12 inches wide by 8 feet long. One sluice run started with one foot of one inch flat bar riffles followed by expanded metal riffles over Nomad mat and the other sluice run had expanded metal riffles over Nomad mat for the full length. Two Briggs and Stratton, 2 inch water pumps, each powered by a 3 horsepower gasoline engine, supplied water to process from ½ cubic yard up to 1 ½ cubic yards per hour. Water was pumped directly from the right fork of Hunker Creek. Small out of stream settling ponds, below each wash plant, discharged back into the creek.

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Page 2 of 2

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

Up to 21 feet of frozen black muck overburden was stripped from on top of the first layer of fine gravel and sand, which was only 18 to 24 inches deep and contained no gold. Next came a layer of heavy clay mixed with black dirt containing magnetite but little gold. The bottom layer of pay gravel was coarse gravel mixed with rocks and boulders, about 1 ½ to 2 feet deep, on top of decomposed bedrock.

Bedrock Geology

Bedrock was decomposed. The rocks along the upper part of Hunker Creek consist of the light coloured sericite schists, and the greenish chloritic schists of the Klondike series, cut by a few small bosses of rhyolite. From Colorado Creek to the mouth the same rocks also occur, but are associated with wide bands of the lead coloured and dark graphitic schists of the Hunker series, some green schists and occasional bands of limestone.

Gold Comments

Chunky gold, between 10 and 16 mesh size, with only a few small nuggets and fineness of 798 was cleaned up by hand panning.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 85-86

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: p. 35

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 28