

Yukon Placer Database Operations Report



Field Name: MacKinnon, 1998-2004

Last Update: 14-Feb-2005

Status: Active Producer

Stream: Ruby: a tributary of Jarvis

Map Sheet(s): 115H/4

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Operators

Name	From (Date)	To (Date)	Comment
Brad Mackinnon	1998/01/01	2003/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Brad Mackinnon	1998/01/01	2003/12/31	

General Location

This operation was located on Ruby Creek.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	61 1 51	137 54 18		
2003/01/01	61 7 0	137 55 0		
1998/01/01	61 7 0	137 55 0		

Water Licence(s)

Number	Comments
PM97-018	Expires: 2010/11/30

Work History

MacKinnon has continued mining on the left limit of Ruby Creek immediately above Mr. Brewster, since 2000. A cut was made in 2002 and 3400 cubic yards of material were removed and sluiced. Operation remained active throughout the 2003 and 2004 seasons.

Production

Year	Stripped	Sluiced
2000	Unknown	3400 cubic yards

Equipment

A John Deere 750 bulldozer was used for stripping, stockpiling and moving tailings. A Bucyrus Erie 15H excavator was used to feed material into the sluice plant. The wash plant was made up of a 4-foot by 6-foot vibrating screen with 7/8-inch mesh. A 6-foot run of Hungarian riffles is followed by a 12-foot long by 3-foot wide section of expanded metal. Water was obtained from Ruby Creek with the use of a Gorman Rupp, 3-cylinder, 4-inch pump that produces 500 igpm. The settling facility consisted of two ponds with a total capacity of 40,000 cubic feet and the effluent was returned to Ruby Creek once settled. During drier periods the water was recycled.

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

Most big rock was located at the surface followed by approximately 4 feet of loose, sandy gravel. The remainder was more clay laden and is a matrix of broken rock and some rounded creek gravels. Permafrost was encountered

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consistently at a depth of 8 feet. Material was progressively removed as it thawed. Vegetation was comprised of willow and was piled and burned. No topsoil was encountered on the claim worked in 2002.

Bedrock Geology

Undivided metamorphics, dark purplish brown biotite hornfels with relict schistose texture; quartz-sericite-chlorite schist; minor quartzite.

Gold Comments

The gold recovered was rough and spongy looking with some crystallization. Quartz was often associated with the gold. The fineness is 835.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 192

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Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 22

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