

Yukon Placer Database Operations Report



Field Name: Jardine, 1998-2002

Last Update: 21-Feb-2005

Status: Active Producer

Stream: Minto: a tributary of Mayo River

Map Sheet(s): 115P/9

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Operators

Name	From (Date)	To (Date)	Comment
William Jardine	1998/01/01	2003/12/31	

Owners

Name	From (Date)	To (Date)	Comment
William Jardine	1998/01/01	2003/12/31	

General Location

This operation is located on the bench deposits overlooking Minto Lake.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 43 20	136 8 43		
2002/01/02	63 44 0	136 9 0		
2002/01/01	63 42 0	136 8 0		
1998/01/01	63 42 0	136 8 0		

Water Licence(s)

Number	Comments
PM97-038	Expires: 2005/04/30
PM99-025	Expires: 2004/12/31 - Used on adjacent claims on Jarvis Creek.

Work History

This is a one-person operation working the bench deposits overlooking Minto Lake. During 2000, a small recycling pond was constructed and small-scale exploration activities were conducted throughout the summer. The 2001 mining season saw the development of a single cut, 100 feet long by 60 feet wide which averaged 20 feet in depth. Two mining cuts were mined in 2002; the first was 40 feet long by 30 feet wide and the second was 100 feet long by 90 feet wide, with both cuts being mined to 18 feet. The 2001 mining season finished proving the ground and defined the glacial gravel deposit which will be mined for the next several seasons. The channel deposit became more defined in 2002 as the work progressed up slope towards the headwaters of Jarvis Creek.

Equipment

A P&H excavator with a $\frac{3}{4}$ cubic yard bucket was used for all material processing with a D-8 bulldozer being contracted for stripping and reclamation work. A 4-foot by 10-foot vibrating screen deck classified materials for the sluice run with slick plates and hydraulic riffles. Spring runoff is captured and is complemented in the mining season by a surface spring located uphill from the mining operation which is utilized as make-up water from evaporative losses for the recycling system. No water discharge occurs during mining and the settling ponds are allowed to dewater every fall to ensure site stability. The 2002 season saw a water shortfall later in the season which forced the operator to begin exploration activities on Goodman Creek.

Landforms

Landform	Comments
Alluvial Terrace	
Alluvial Valley	

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Surficial Geology

The ground worked has never reached bedrock and consists of glacial gravels, boulder groupings, clay layers throughout and heavily mineralized belts thought to be associated with possible faults and glacial end deposits from Highet Creek. Eight feet of overburden was stockpiled by bulldozer and the remaining gravels were processed through the wash plant.

Bedrock Geology

Bedrock consists of quartz schist, mica schist and minor sheared conglomerate intruded by reddish granite-porphry.

Gold Comments

All gold recovered was fine, with two distinct fineness levels noticeable by the brightness differences. Some angular gold was reportedly recovered during the 2002 season.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 162-163

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 11

Pictures

Title: Bill Jardine at his Operation on Minto Terrace

Notes:

