

Yukon Placer Database Operations Report



Field Name: Connelly, 1998-2002

Last Update: 23-Feb-2005

Status: Active Producer

Stream: Vancouver: a tributary of McQuesten

Map Sheet(s): 115P/11

Page 1 of 2

Operators

Name	From (Date)	To (Date)	Comment
Don Connelly	1998/01/01	2002/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Don Connelly	1998/01/01	2003/12/31	
Don Connelly	1998/01/01	2002/12/31	

General Location

Don Connelly operated on the lower reaches of Vancouver Creek and progressively upstream during 1998-2002.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 39 16	137 5 19		
2002/01/01	63 38 0	137 5 0		
1998/01/01	63 38 0	137 7 0		

Water Licence(s)

Number	Comments
PM97-005	Expires: 2005/04/30

Work History

Don Connelly began operating this family mine in 1998; which was an exploratory season. It began with the construction of a two-stage settling facility and drain, which was completed by winter. The following year, mining progressed upstream from the original testing area. The 1999 mining season produced a single cut 60 by 200 by 27 feet deep. This was the only year in which the mining cut was to bedrock. The 2000 season had a single mining cut, 50 feet wide by 100 feet long reaching to the clay layer in depth for an estimated 12,300 cubic yards of material processed. No mining activity was done after the testing and exploratory work in the 2001-2002 seasons, and all equipment and camp was removed after site reclamation in 2003.

Production

Year	Stripped	Sluiced
2000	12300 cubic yards	12300 cubic yards

Equipment

A Caterpillar 235 excavator was used for processing pay gravels and a Caterpillar D-8 bulldozer was used for stripping and placement of waste. A vibrating screen deck with a single sluice run measuring 32 feet long by 4 feet wide has been used for the four years of mining. Vancouver Creek supplied the wash plant as required, which fed through the drain created by previous mining cuts to the settling ponds located out-of-stream at the lowest point of mining work by Don Connelly.

Environmental Work

Year	Reclamation Work
2003	Reclamation of mining works was completed. Armoured diversion channel was reworked for a

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Page 2 of 2

Environmental Work

Year **Reclamation Work**
stable permanent channel.

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

The ground varies throughout the length of Vancouver Creek, but in general, the top 2 feet of the stratigraphic profile is organic, followed by 4 feet of sands and fine gravels. These layers are stripped and stockpiled. Under the sand is another 5 feet of coarse gravels and boulders underlain by 4 feet of a clay and gravel conglomerate which constitutes the pay gravels for this operator. Beneath the clay layer was an additional 12 feet of material before bedrock was reached which proved unsatisfactory to mine.

Bedrock Geology

The intervening ridges between Vancouver, Right Hook and Thoroughfare Creeks are composed largely of Yukon schist, quartzite, and phyllite, with some small local intrusions of granite and granodiorite. Vancouver Creek heads in a massive granitic intrusion.

Gold Comments

Gold values were reported to be 50% 1/4 minus and the remaining gold was 16 mesh or finer using a Tyler sieve. Gold values recovered were low and no fineness rating was available.

References

- Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 157
- Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: Mayo, p. 3
- Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: Mayo, p. 6

Pictures

Title: Connelly's operation on Vancouver Creek, 1998-2002

Notes:

