

Yukon Placer Database Operations Report



Field Name: Tyerman, 1995-2003

Last Update: 17-Apr-2004

Status: Active Producer

Stream: Van Bibber Creek: a tributary of North Bear

Map Sheet(s): 115P/9

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Operators

Name	From (Date)	To (Date)	Comment
Grace Tyerman	1995/01/01	2003/12/31	
Peter Tyerman	1995/01/01	2003/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Grace Tyerman	1995/01/01	2003/12/31	
Peter Tyerman	1995/01/01	2003/12/31	

General Location

This operation was located on Van Bibber Creek, a tributary to North Bear Creek in the McQuesten area.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 42 51	136 20 17		
2003/01/01	63 42 0	136 21 0		
1998/01/01	63 42 0	136 21 0		
1995/01/01	63 39 0	136 22 0		

Water Licence(s)

Number	Comments
PM00-194	Expire: 2006/03/31
PM95-075	

Work History

Throughout 1995-1997, approximately 60 cubic yards of pay was processed per hour. In 1997, the ground was stripped in preparation for mining the following seasons, although no mining took place during 1998-1999. Only prospecting and assessment work was completed for development of future mining plans. Mining activities were renewed in 2000, with the mine cut being moved upstream 1 mile of prior workings. Two miners worked a 12-hour shift each day in 2000 and 2001. Two cuts were completed in 2,000 each 60 by 400 feet and averaged 14 feet to bedrock. In 2001, only one cut was completed, 60 by 500 feet long. This operation was downsized to a one-person operation in 2002, which produced three mining cuts sequentially upstream averaging 200 feet by 100 feet wide. Tyerman's operation remained active throughout the 2003 season.

Production

Year	Stripped	Sluiced
1996	21800 cubic yards	10300 cubic yards
1995	33300 cubic yards	26000 cubic yards

Equipment

A Komatsu bulldozer was used for stripping and pushing tailings. A JSW 70 excavator fed the box. The excavator and a Komatsu loader were also used for some stripping. A D7 Caterpillar bulldozer moved the sluice plant. A 20-foot long by 8-foot wide dump box and a wet grizzly fed material to a 2 foot wide by 24-foot long

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sluice run. An estimated 60 cubic yard of pay was processed per hour. In 2000, the grizzly was rebuilt bringing the processing rate to 100 cubic yards per hour. Water was acquired form Van Bibber Creek and fed through a wash plant where the effluent was treated through a series of small in-stream settling ponds.

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

Depth to bedrock was approximately 65 to 75 feet. The ground consisted of 3 feet of topsoil, 10 feet of glacial silt (clay and rock), 58 feet of unsorted gravel and rock overlying schist bedrock. The 12 feet of top soil and glacial silt was considered waste and the 53 to 63 feet of underlying unsorted gravels were sluiced. During 1998-2002, it was 14 feet to bedrock with pay gravels 5 feet above bedrock. Noticeably fewer large rocks were found within mine cuts in 2000 and 2001. The depth to bedrock in 2002 varied from 12 feet to 20 feet with the same pay gravels encountered.

Bedrock Geology

Bedrock was compsed of schist.

Gold Comments

Fifty percent of the gold recovered was coarse, with a fineness varying from 840 to 860.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1995, 1996, 1997. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 1998.: p. 140-141

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Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: Mayo, p. 15

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Pictures

Title: Tyerman Operation; 2002

Notes:

