

Yukon Placer Database Operations Report



Field Name: Coles, 2001-2003

Last Update: 16-Feb-2005

Status: Active Producer

Stream: Bonanza: a tributary of Klondike

Map Sheet(s): 116B/3

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Operators

Name	From (Date)	To (Date)	Comment
Dave Brickner	2001/01/01	2003/12/31	
Tim Coles	2001/01/01	2002/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Dave Brickner	2001/01/01	2003/12/31	
Tim Coles	2001/01/01	2002/12/31	

General Location

Tim Coles and Dave Brickner revisited a previously mined area on the right limit bench of Bonanza Creek between Lovett Gulch and Trail Gulch.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	64 0 54	139 22 10		
2001/01/01	64 1 0	139 21 0		

Water Licence(s)

Number	Comments
PM00-201	Expires: 2006/06/30

Work History

Due to restricted space and depth of the ground, only one cut approximately 35 wide by 300 feet long was mined over the 2001 and 2002 seasons.

Equipment

In 2001 and 2002, one Komatsu PC400 excavator was used to strip overburden, dig pay gravel, load the dump truck and feed the wash plant. One 15 yard dump truck was used to haul pay gravel from the mining cut to the wash plant. The wash plant was an oscillating screen deck, 5 by 11 feet, with a single oscillating sluice run. Oversize tailings were removed by a conveyor belt. A 6 by 5 inch water pump powered by a GMC 271 diesel engine delivered 1500 igpm which was used to process up to 100 loose cubic yards of material per hour. A long tom and gold wheel were used for final cleanups. Water was pumped directly from Bonanza Creek and was cleaned up in out-of-stream settling ponds measuring 300 feet long by 50 to 60 feet wide. The only discharge was from minor seepage.

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

White channel gravel tailings from past mining of a high bench deposit was up to 25 feet deep on top of virgin ground. About 15 feet of frozen black muck and sand overlay pay gravels up to 5 feet deep with river cobbles and large rounded boulders close to fractured bedrock. All gravel plus about two feet of bedrock was sluiced.

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Bedrock Geology

The rocks along Bonanza Creek consist almost entirely of the light greyish and greenish sericite schists of the Klondike series, alternating in the upper bands of green chloritic schists. Narrow bands of dark graphitic schists cross the valley above the mouth at Adams Creek and at one or two points, and a wide porphyry dike forms a point about a mile below Boulder Creek. The light coloured schist, probably represents a crushed acid eruptive, and occurs in heavy beds, in hard flags, and as a finely foliated and soft rock. It is nearly everywhere more or less silicified and encloses numerous quartz veins, most of which run parallel to the schistose structure, although a few cut across it.

Gold Comments

In 2001 and 2002, mostly smooth gold particles with nothing heavier than 1 gram in weight was found. The fineness was around 790.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 51

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 17