

Yukon Placer Database Operations Report



Field Name: Rivest/Klippert, 1995-2003

Last Update: 11-Jan-2005

Status: Active Producer

Stream: Davidson: a tributary of Mayo River

Map Sheet(s): 105M/11

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Operators

Name	From (Date)	To (Date)	Comment
Kim Klippert	2001/01/01	2003/12/31	
Rick Rivest	1998/01/01	2002/12/31	
Cam Arkenstall	1998/01/01	2000/12/31	
Paul Rivest	1995/01/01	2002/12/31	
Bruce Rivest	1995/01/01	1995/12/31	
Paul Rivest	1995/01/01	1995/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Kim Klippert	2001/01/01	2003/12/31	
Rick Rivest	1998/01/01	2002/12/31	
Bruce Rivest	1998/01/01	2002/12/31	
Cam Arkenstall	1998/01/01	2000/12/31	
Paul Rivest	1995/01/01	2002/12/31	
Bruce Rivest	1995/01/01	1995/12/31	
Paul Rivest	1995/01/01	1995/12/31	
Rivest Contracting	1995/01/01	1995/12/31	

General Location

In 1995, the Rivest family tested the ground above the canyon on Davidson Creek. In 1996 and 1997 they mined on the discovery claim above the canyon. From 1998 to 2002, Rick Rivest continued exploration, testing and stripping of ground on three claims above the canyon on Davidson Creek.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/02	63 43 0	135 22 59		
2003/01/01	63 44 47	135 25 14		
1999/01/01	63 43 0	135 25 0		
1998/01/01	63 43 0	135 23 0		
1995/01/01	63 43 0	135 23 0		

Water Licence(s)

Number	Comments
PM97-050	Expired: 1003/11/30
PM96-077	Expires: 2005/05/31

Claims

File Date	Number	Name	Status
	P5292		
	P5291		

Work History

In 1995, the ground was tested and from 1998 to 2002, Rick Rivest continued exploration, testing and stripping. Approximately 7500 cubic yards were sluiced and 11500 cubic yards were stripped in 1996, and three cuts were mined in 1997. During the 1998-2002 season, the mining operation on Davidson Creek was leased twice. Cam Arkenstall mined the leased property in 1998 and 1999 and finished the reclamation in 2000. In 1998 and 1999, three claims were progressively mined working upstream from the top of the canyon. No mining occurred in 2000.

In 2001, Kim Klippert optioned the property for testing, during which five test pits were opened above the canyon and a single test pit was sampled below the canyon on the right limit. This area was further mined and developed into out-of-stream settling ponds in 2002 which allowed a single cut to be mined late in 2002 on the right limit on the upstream end of the Davidson Creek canyon. Equipment difficulties limited the volume and processing capability for the season. The mine cut was approximately 100 feet by 75 feet by 35 feet deep. Klippert's operation proceeded according to plan in 2003.

Production

Year	Stripped	Sluiced
1996	11500 cubic yards	7500 cubic yards

Equipment

Equipment used from 1995 to 1997 included a Fiat Allis 31 bulldozer with U-blade and ripper was used for stripping and stockpiling the pay gravels. A Hough 120 loader was used to move tailings. A Hy-hoe 6000TT excavator fed the plant. Material was fed into a trommel 7 feet in diameter and 55 feet long. The 1 1/2 to 1/2 inch material was fed into a 4 by 40 foot sluice run with Hungarian riffles. The 1/2 inch minus material was processed in a 16 by 11 foot oscillating sluice run with expanded metal over Nomad matting. A 6 inch Gorman Rupp pump, powered by a Lister diesel, supplied 1500 igpm from an instream pond to the wash plant. The effluent was discharged back into the creek and the creek was diverted through the settling ponds. Testing was done with a Hy-Hoe 6000TT excavator and a D6 Caterpillar bulldozer. Several test holes were dug along the creek. A 6-foot by 18-inch test sluice box processed the material. A 3-inch Honda pump supplied water from Davidson Creek. Waste was discharged back into pits. The creek was diverted through downstream settling ponds.

During the 1998 to 2002 seasons, a Hyo-Hoe 6000TT excavator, a D6 Caterpillar bulldozer and Hough 120 loader were used for exploration. During 1998 to 1999, Cam Arkenstall used the same equipment and wash plant as previous years. The 1998 and 1999 mining utilized the Davidson Creek stream flow for the wash plant and the channel for a conduit to the original settling facilities below the canyon. This mining operation used a trommel 7 feet in diameter and 55 feet in to a 4 by 40-foot sluice run with Hungarian riffles. The 1/2 inch minus material was processed in a 16 by 11 foot oscillating sluice run with expanded metal over Nomad matting.

In 2001-2003, Kim Klippert used a UH-143 Hitachi excavator with a 1 1/2 -yard bucket and a D-8H Caterpillar bulldozer with a U-blade and ripper. A 4-foot by 8-foot Dillan screen deck on the test plant which screened to 1/2 minus. The 2001 testing program was able to process the small water volumes out-of-stream above the canyon. The 2002 mining season utilized the use of the stream as a conduit to new out-of-stream settling ponds located immediately below the canyon on the right limit.

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

Coarse gravels 8 to 12 feet thick overlie wavy, decomposed schist bedrock. About 1 1/2-feet of bedrock and 1 1/2-feet of overlying gravels were sluiced.

1998-2002 - Ground descriptions varied slightly between operating years but bedrock depth was reported to vary

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from 4 feet to 20 feet. The shallowest depths were found in the current channel and deepening as the mining moved further from the valley center. A right limit bench cut above the canyon was worked until late October and was found to vary from 10 feet to 40 feet to bedrock as the mine cut moved away from the creek.

Bedrock Geology

Decomposed, wavy schist bedrock.

Gold Comments

In 1995, gold was generally flat, oatmeal size with some nuggets up to 3/4-inch. Seventy percent of recovered values in 1998 to 2002 were reported to be coarse gold with a fineness of 830-860.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1995, 1996, 1997. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 1998.: p. 151

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 176-177

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: Mayo, p. 12

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 16-17

Pictures

Title: Klippert's Operation; 2003

Notes:

