

Yukon Placer Database Operations Report



**Field Name: Eureka Placers Ltd./Consolidated Mines Ltd.,
1983-1984, 1995-2003**

Last Update: 05-Jan-2005

Status: Active Producer

Stream: Eureka: a tributary of Indian

Map Sheet(s): 1150/10

Page 1 of 2

Operators

Name	From (Date)	To (Date)	Comment
Don Marino	1998/01/01	2002/12/31	
Richard Allen	1983/01/01	2003/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Eureka Placers Ltd.	1998/01/01	2003/12/31	
Don Marino	1998/01/01	2002/12/31	
J. Allen	1983/01/01	1984/12/31	
Consolidated Mines (Yukon) Ltd.	1983/01/01	1983/12/31	
Richard Allen	1983/01/01	2003/12/31	

General Location

The property was located along the middle part of the right fork of Eureka Creek. In 1995 the property was located on the right fork of Eureka Creek, about 1/2 mile upstream from the main forks. Eureka Placers Ltd. continued to move upstream on the right fork of Eureka Creek in 1998-2003.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 35 0	138 50 26		
1998/01/01	63 35 0	138 52 0		
1995/01/01	63 35 0	138 52 0		
1983/01/01	63 34 0	138 51 0		

Water Licence(s)

Number	Comments
PM01-236	
PM00-182	
LP00017	
PM97-039	
PM94-058	

Work History

Property was hand mined between 1898 and 1920, and was mined by machinery between 1959 and 1982. Through 1995-1997, Richard Allen continued mining on this property and employed 2 miners. All mining during 1995, 1996 and 1997 occurred on the right fork of Eureka Creek. Mining progressed in an upstream direction. Three miners were employed as well as 1 camp personnel in 1998-99 and approximately 800 hours sluicing was done each season. One 10 hour shift was worked daily. This was reduced in 2000 to 2 miners and 1 camp personnel, running 12 hour shifts and only 600 hours were spent sluicing. Limited stripping was performed in 2001. In 1998, 6 cuts were completed about 100 by 150 feet each using an out of stream facility. In 1999, 4 cuts approximately 100 by 120 feet were mined. Sluicing for these two seasons was about 800 hours. In 2000, the operator moved upstream to nearly the top of the right fork and took out a mine cut about 600 by 90 by 35 feet

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Min. Sluicing: 1150/10
deep, sluicing for approximately 600 hours. In 2001 and 2002, Mr. Allen and Mr. Marino moved to Stowe Creek, although some stripping was done at this site to thaw ground.

In 2003 stripping occurred on the right limit of Eureka Creek downstream from Allen's camp.

Equipment

In 1995, two Caterpillar D8H bulldozers and a Caterpillar D9G bulldozer equipped with rippers were used to strip the cuts and maintain settling facilities. A Warner Swayse 900A excavator was used to feed the sluice plant. Tailings were ramped with the bulldozers. The pay gravels were fed into a hopper before being classified to 3/4 inch minus in a 6-foot diameter trommel. The classified pay was then put through two sluice runs 8 feet wide. The sluice runs are lined with matting, expanded metal and 1-inch angle iron riffles. A Morris pump powered by a Caterpillar 3406 engine supplied approximately 2000 igpm for sluicing between 100 and 150 cubic yards per hour. Water from Eureka Creek was contained in an instream pump pond and was managed with a water control box. The water was then pumped to the wash plant with the effluent flowing downstream to the main forks where it was treated in a large instream-settling pond. Smaller instream settling ponds were constructed closer to the sluicing operation in 1997 because the large pond at the forks became full and could no longer be used.

In 1998, a Caterpillar D9G and two D8H Caterpillar bulldozers were employed to strip cuts and maintain settling facilities. A Caterpillar 900A and a 225 excavator were used to feed the trommel. Tailings were ramped with bulldozers. The wash plant remained the same. Water from Eureka Creek and from the right fork of Eureka as the operation moved upstream was contained in an instream pump pond managed with a water control box. Small instream settling ponds were constructed to contain effluent as the instream settling pond at the mouth of the right fork and Eureka Creek was filled in 1997 and a temporary diversion to the left limit was constructed and has been stabilized by operator. Negotiations to use a lower Eureka Creek settling facility owned by Star North were made in the event a high water event occurred.

In 2003 a large excavator and caterpillar bulldozer were used for stripping. Allen built a settling pond immediately adjacent to the newly stripped area on the right limit of Eureka Creek.

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

Deposits present consist of 11 feet of frozen black muck with silt and sand layers overlying 4 to 8 feet of gravel and decomposed chlorite schist bedrock.

In 1995, the cuts varied in depth but an average of 25 feet of frozen black muck overlies 10 feet gravel. The lower gravels and up to 5 feet bedrock was sluiced.

In 1998, 25 to 35 feet of frozen black muck overlies 5 to 6 feet of gravel and 5 feet of decomposed bedrock situated well below the water course. Some old workings were encountered. The gravel plus 2 to 5 feet of the decomposed bedrock was sluiced.

Bedrock Geology

Bedrock was a decomposed chlorite schist.

Gold Comments

Gold recovered from this property is reported to be of fine to medium size, having a fineness of 680 to 730.

In 1995 the gold was mostly fine with a purity of 690 fine.

In 1998 the gold was very fine with a purity between 620 and 690.

References

Debicki R.L. Yukon Placer Mining Industry 1983-1984. Whitehorse: DIAND, 1986.: p. 132

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1995, 1996, 1997. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 1998.: p. 80-81

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Page 2 of 2

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Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 98-99

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: p. 35-37

Pictures

Title: Eureka Placers on Upper Eureka Creek.

Notes:

