

# Yukon Placer Database Operations Report



Field Name: Coles, 2002-2003

Last Update: 23-Feb-2005

Status: Active Producer

Stream: Upper Dominion: a tributary of Dominion

Map Sheet(s): 1150/15

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## Operators

Name	From (Date)	To (Date)	Comment
Tim Coles	2002/06/01	2003/12/31	

## Owners

Name	From (Date)	To (Date)	Comment
Tim Coles	2002/06/01	2003/12/31	

## General Location

This property is located at the headwaters of Dominion Creek at a site previously mined.

## Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 21 25	138 54 43		
2003/01/01	63 51 0	138 55 0		
2002/06/01	63 52 0	138 55 0		

## Water Licence(s)

Number	Comments
PM97-054	Expires: 2004/10/31

## Work History

Coles started mining this property in June of 2002. The site was mined by two to three miners working an average of 12 hours per day. Mr. Coles was able to sluice from August 15 to October 7 in the 2002 mining season. The total area mined at this site in the 2002 mining season was 22,500 square feet. Work was done in the steep narrow valley at the headwaters of the creek, with steep slopes on cut banks. There was little room on site for tailings and overburden stockpiling. An area downstream from the camp was excavated on the left limit using an excavator.

## Equipment

The site was mined using a model 890 John Deere excavator and a model D6 Caterpillar bulldozer. In September, a model EL300 Caterpillar excavator was added. The D6 was used for road maintenance and reclamation work. The excavators were used for all other mining-related works. The wash plant consisted of a 4-foot by 22-foot trommel which screened material to 5/8 of an inch. Recovery was via two 4-foot wide by 8-foot long sluice tables which were stacked one above the other. The sluice tables were equipped with 4 feet of expanded metal and 4 feet of 1 1/4-inch riffles on matting. The process rate for the plant was 60 to 70 loose yards per hour. Water was supplied using an 8-inch by 10-inch Paco pump powered by a Cummins engine. The pump rate was 1200 to 1500 igpm. A long tom was used for final cleaning of concentrates. Process water was obtained from an in-stream recycle pond. The operator found it necessary to utilize 100% re-circulation of process water in order to ensure an adequate water supply. The recycle pond was approximately 50 feet wide by 120 feet long. The operator also found it necessary to have a pre-settling pond at the end of the trommel in order to meet the effluent standard. Approximately 50% of the John Deere excavator's hours were spent removing tailings from the pre-settling pond. For the 2003 season the site was licensed for instream settling and reservoir ponds. Diversion and instream settling was permitted and constructed under the previous licences for the site. Settling ponds were stable; very little water left this site.

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### **Environmental Work**

<b>Year</b>	<b>Reclamation Work</b>
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2002	The operation worked to address site reclamation on an ongoing basis.
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### **Landforms**

<b>Landform</b>	<b>Comments</b>
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Tailings	
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Alluvial Valley	
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### **Surficial Geology**

Steep narrow valley with little room for overburden stockpiling. The miners encountered an average of 20 feet of muck. Beneath the muck was a 5 to 8-foot gravel layer.

### **Bedrock Geology**

Bedrock was blocky weathed schist; very decomposed with beige and green colouring.

### **Gold Comments**

Gold recovered from this property was reported to be coarse and rounded. Nuggets up to half an ounce were recovered. The purity was reported as 790 fine.

### **References**

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 120

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: p. 21