

# Yukon Placer Database Operations Report



**Field Name: Dredge Master Gold Ltd., 1996, 1998, 2000, 2002-2003**

**Last Update: 16-Feb-2005**

**Status: Active Producer**

**Stream: Big Gold: a tributary of Sixtymile**

**Map Sheet(s): 11600**

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## Operators

Name	From (Date)	To (Date)	Comment
Maurice Alexander	2002/01/01	2002/12/31	
David Cachelin	2002/01/01	2002/12/31	
Allan Downes	2000/01/01	2000/12/31	
Allan Downes	1998/01/01	1998/12/31	
David Trainer	1996/01/01	1996/12/31	
Vern Trainer	1996/01/01	1996/12/31	

## Owners

Name	From (Date)	To (Date)	Comment
Maurice Alexander	2002/01/01	2002/12/31	
David Cachelin	2002/01/01	2002/12/31	
Allan Downes	2000/01/01	2000/12/31	
Allan Downes	1998/01/01	1998/12/31	
Dredge Master Gold Ltd.	1998/01/01	2003/12/31	
David Trainer	1996/01/01	1996/12/31	
Vern Trainer	1996/01/01	1996/12/31	

## General Location

This operation is located on Big Gold Creek on an unnamed right limit tributary.

## Location Details

Date:	Latitude			Longitude			Elevation (feet)	Distance from Mouth (feet)
	Deg	Min	Sec	Deg	Min	Sec		
2003/01/01	64	2	17	140	46	0		
2002/01/01	64	2	41	140	45	59		
1996/01/01	64	3	0	140	46	0		

## Water Licence(s)

Number	Comments
PM96-022	Expires 2005/04/30

## Work History

During 1996, David and Vern Trainer mined one cut, 400 by 175 by 15 feet, on Big Gold Creek. A second cut, 200 by 50 by 12 feet, was made and tested on an unnamed right limit tributary to Big Gold. In 1998, the area stripped was 125 by 80 feet, with a total cubic yardage of 1,852; a drain was also dug at this time. The three trenches dug in the 2000 season were 85 by 60 feet, 90 by 60 feet, and 70 by 60 feet respectively, with a total volume of 4,933 cubic yards of material moved. During the 2002 season, three cuts had an area of 295 by 33 feet, 66 by 88 feet, and 98 by 13 feet, with a total volume of approximately 4,447 cubic yards. An area on Little Gold Creek was also tested under Schedule III (Notification of water use without a license). The volume moved for the test holes, which were up to 20 feet deep, was 444 cubic yards and 222 cubic yards. The operation commenced late in the 2003 season due to repairing bear damage to the trailers. Assessment work and a small amount of excavation occurred.

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### **Production**

<b>Year</b>	<b>Stripped</b>	<b>Sluiced</b>
2002	5113 cubic yards	Unknown
2000	4933 cubic yards	Unknown
1998	1852 cubic yards	Unknown

### **Equipment**

In 1996, a 225 Caterpillar excavator was used to feed the sluice plant, a 980 Caterpillar loader was used to move and stack tailings and a D8 Caterpillar bulldozer was used to strip and stockpile pay gravel at the sluice plant. The sluice plant used was a 10-foot by 25 foot Derocker with one sluice run for recovery. The sluice run was 4 by 30 feet. The first 10 feet of the run was equipped with punch plate and the remaining 20 feet was equipped with 12-inch riffles. Nomad matting was used over the entire length of the run. Water was supplied using a 6 by 6 inch Morris pump powered by a Perkins engine. A small rock weir was placed instream in Big Gold Creek to back water up into a small pump pond. The out of stream settling pond was 100 feet long by 40 feet wide by 7 feet deep. A D7 Caterpillar bulldozer was used by Allan Downes in 1998 to strip an area on Little Gold Creek. Drilling was also performed on Big Gold Creek during the 1998 season. Three more trenches were dug on Little Gold Creek in 2000 using the D7 bulldozer. In 2002, Dave Cachelin used a John Deere back-hoe, Honda WP30X pump, Super Sluice II plant and a D7 bulldozer to mine two cuts and two test holes on Big Gold and Little Gold Creeks. Maurice Alexander used a Komatsu front-end loader to put in a test cut on Little Gold Creek. From 1998 to 2002, water for the test cuts on Big Gold Creek was pumped from the creek. Settling occurred in a previously mined cut, using the same Super Sluice II washplant.

### **Landforms**

<b>Landform</b>	<b>Comments</b>
Gulch	

### **Bedrock Geology**

Bedrock at the creek mouth is decomposed andesite and andesite breccia. The decomposition extends 4 feet down from the bedrock-gravel interface. Bedrock is also decomposed andesite and andesite breccia. The decomposition extends 4 feet down from the bedrock-gravel interface.

### **Gold Comments**

In 1996, the gold recovered was very fine grained and had a fineness of 720. The purity of the gold recovered from Big Gold Creek in 1998 to 2002 was typically from 847 to 854 fine.

### **References**

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1995, 1996, 1997. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 1998.: p. 107-108

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 131

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: p. 31

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 24

### **Pictures**

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**Title: Dredge Master Gold Ltd., 2002**

**Notes:**

David Cachelin processing a cut on Big Gold Creek in 2002. Settling ponds are in the foreground.

