

# Yukon Placer Database Operations Report



Field Name: Rauguth, 1985, 1998

Last Update: 17-Feb-2005

Status: Recent Producer 1978-present

Stream: Glacier: a tributary of Big Gold

Map Sheet(s): 116C/2

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## Operators

Name	From (Date)	To (Date)	Comment
Tim Coles	1998/01/01	1998/12/31	
Erich Rauguth	1985/01/01	1985/08/31	Mr. Rauguth moved to the mouth of 49 Pup on Bonanza Creek.

## Owners

Name	From (Date)	To (Date)	Comment
Tim Coles	1998/01/01	1998/12/31	
Erich Rauguth	1998/01/01	1998/12/31	
Erich Rauguth	1985/01/01	1985/08/31	Mr. Rauguth moved to the mouth of

## General Location

The property was located along the left limit of Glacier Creek, approximately 2 miles upstream from its confluence with Sixtymile River.

## Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	64 1 32	140 46 9		
1998/01/01	64 1 41	140 46 58		
1985/01/01	64 2 0	140 47 0		

## Water Licence(s)

Number	Comments
PM94-047	

## Work History

In 1985, a terrace cut, under the old left limit Glacier Creek ditch and between the upper end of the airstrip and the Glacier ditch, was mined. The cut was 120 feet long in the direction of the valley by 45 feet wide, 20 feet deep along the creek side and 35 feet deep along the hillside. Bedrock level on this bench was estimated to be 40 feet above the valley height and rose only slightly to the hillside. Mining on the property was discontinued in August rather than to proceed further into the hillside where the gravel section thickened. The operation was then moved to the mouth of 49 Pup on Bonanza Creek. Tim Coles finished up operations at this location early in the 1998 mining season. Some work was conducted under this water use license on a left limit bench of Glacier Creek early in the year in an area which had been previously mined.

## Equipment

In 1985, a Terex 8240 bulldozer was used to strip off the top 3 feet of overburden. The upper gravels were monitored through the box until the material became too heavy to move efficiently. Production monitoring was estimated to be 40 cubic yards per hour. The remaining material was fed to the box with the Caterpillar 977 Traxcavator at a rate of 80 cubic yards per hour. A Caterpillar 988 loader was used to stack the tailings. Prior to mining the cut, a monitor equipped with a 3 inch tip was used to cut trenches into the deposit to outline the pay limits. The monitor was supplied by Glacier Creek water with an 8 by 10 inch Worthington pump, powered by a 6 cylinder 190 Cummings diesel. The same pumping arrangement was used while sluicing. Water consumption was rated at 2,000 to 2,500 igpm. The sluice plant consisted of a dump and single run box. The dump, measuring 10

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feet wide by 22 feet long, was lined with slick plate only. The sluice run, 36 inches by 20 feet, was lined with 2 inch Hungarian riffles over expanded metal and Coco matting, and had a slope of 2 inches to the foot. Coles used a John Deere 890 excavator, and water was obtained using a small intake ditch from Glacier Creek. It was pumped up onto the bench and then settled in an old working area with no discharge.

### **Landforms**

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

Two miles upstream from the confluence with Sixtymile River, the gravels were described as well washed with well rounded small boulders and no sliderock. The total gravel section plus bedrock was sluiced.

### **Bedrock Geology**

The rocks in the Sixtymile district are similar to those occurring on the Yukon River Valley above Dawson. The beds have a general east and west strike, and a section from Fortymile south to the Sixtymile shows two broad bands of dark quartz-mica schists, quartzites and crystalline limestones similar to the Indian River series.

### **Gold Comments**

In 1985, the gold was described as smooth with approximately 70% of the fraction being larger than 16 mesh in size, with a fineness of 810. The gold recovered in 1998 had a purity from 830 to 860 fine.

### **References**

LeBarge, W.P. and Morison, S.R. Yukon Placer Mining and Exploration 1985-1988; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, 1990.: p. 139-140

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 127

### **Pictures**

**Title:** Left limit bench of Glacier Creek

#### **Notes:**

Tim Coles sluicing on the left limit bench of Glacier Creek in 1998 under Rauguth's water license.

