

# Yukon Placer Database Operations Report



Field Name: Brewster & Strand, 2002-2004

Last Update: 14-Feb-2005

Status: Active Producer

Stream: Ruby: a tributary of Jarvis

Map Sheet(s): 115H/4

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## Operators

Name	From (Date)	To (Date)	Comment
Diane Strand	2002/01/01	2003/12/31	
Dale Brewster	2002/01/01	2003/12/31	

## Owners

Name	From (Date)	To (Date)	Comment
Diane Strand	2002/01/01	2003/12/31	
Dale Brewster	2002/01/01	2003/12/31	

## General Location

This operation was located on the right lower limit of Ruby Creek in the Gladstone Placer Area.

## Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2005/01/01	61 7 45	137 53 37		
2003/01/01	61 8 0	137 52 0		
2002/01/01	61 8 0	137 52 0		

## Water Licence(s)

Number	Comments
PM95-101	
PM00-208	Expires: 2005/10/31

## Work History

Mr. Brewster was mining on the right limit of lower Ruby Creek in the 2002 season. The number of personnel were one miner and one camp attendant and a four to eight-hour daily shift was run. One cut was made during the 2002 operating season. Work in 2002 was primarily concentrated on removing overburden with a limited amount of restoration work. Water Licence PM95-101 was issued to Mr. Brewster and Ms. Strand to cover the mining activity that occurred in 1998 and 1999. Mining continued throughout the 2003 season on the right hand limit of Ruby Creek.

## Equipment

A P&H excavator with a  $\frac{3}{4}$ -yard bucket was used for stripping and stockpiling. A JCB wheeled backhoe with a  $\frac{1}{4}$ -yard bucket was used for feeding the sluice plant. Fuel was stored in 45-gallon drums.

The wash plant consisted of a 5-foot by 4-foot by 6-foot dump hopper with a 6-foot by 4-foot by  $\frac{3}{4}$ -inch screen deck, a 10-foot run of punched metal and a 16-inch by 3-foot riffle run. Water was obtained from Ruby Creek through the use of either a five horsepower 2-inch Honda pump or a 16 horsepower 4-inch pump which produced 400 imperial gallons of water per minute. The treatment of the water was accomplished through the use of one settling pond. There was no visible discharge into Ruby Creek.

In 2003 settling facilities consisted of 3 ponds over a distance of 400 metres. Mining continued in 2004.

## Environmental Work

Year	Reclamation Work
2003	Recontoured previous years workings

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### **Landforms**

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

Average overall depth of overburden was 16 to 18 feet, comprised mostly of fine gravels. Clay seams were encountered below the stream channel. The valley was relatively narrow with moderate slopes in the area being mined.

### **Bedrock Geology**

The bedrock was wavy. Bedrock mapped as undivided metamorphics, dark purplish brown biotite hornfels with relict schistose texture; quartz-sericite-chlorite schist; minor quartzite.

### **Gold Comments**

A mixture of either flat, smooth or chunky gold was obtained, mostly at the 60 mesh size and bright in appearance. Some 2-gram nuggets were found.

### **References**

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 192

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 4-5  
Yukon Placer Atlas Website. 2005. <http://maps Yukon.gov.yk.ca/webmaps/mining/placer/viewer.htm>. Bedrock Geology- Regional Unit Layer.: