Yukon Placer Database
Operations Report

Field Name: Leckie, 1998-1999 **Last Update: 06-Jan-2005**

Status: Recent Producer 1978-present

Stream: Burwash: a tributary of Kluane River

Map Sheet(s): 115G/6, 115H/6

Operators

Name	From (Date)	To (Date)	Comment
Oliver Leckie	1998/01/01	1999/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Oliver Leckie	1998/01/01	1999/12/31	

General Location

The property was located above Tatamagouche Creek on upper Burwash Creek in 1998. Leckie also mined at lower Burwash Creek in the 1998-1999 mining seasons.

Location Details

Date:	Latitude Deg	Latitude Min	Latitude Sec	Longitude Deg	Longitude Min	Longitude Sec	Elevation (feet)	Distance from Mouth (feet)
1999/01/01	61	24	16	139	14	7		
1998/01/01	61	22	1	139	24	52		

Water Licence(s)

Number	Comments
PM95-031	
PM95-020	

Work History

The 1998 mining season on upper Burwash consisted of three personnel who ran a daily shift of five hours for approximately one month. Material process was from four test holes. Reclamation occurred as mining progressed. 1998-1999 mining seasons on lower Burwash Creek consisted of three people mining this site for approximately eight hours a day. Both the right and left limits were worked. One cut that was 200 feet by 125 feet in dimension was made. Approximately 500 cuibc yards were removed over a two year period.

Production

Year	Stripped	Sluiced
1999	Unknown	500 cubic yards

Equipment

1998 - On lower Burwash a D8 Caterpillar bulldozer was used to strip, and a 690B John Deere excavator was used to feed the wash plant. A 920 Caterpillar loader was also used to perform various tasks. A 44-inch diameter trommel with a 3-foot by 10-foot sluice run with 1.5-inch riffles and Nomad matting was used to recover the gold. This setup was placed on a slope of 1.5 inches per foot. The processing rate was 20 cubic yards per hour. Water was supplied by a Thompson 6-inch pump powered by a 635 Perkins diesel which produced 450 gallons of water per minute. Water was obtained from Burwash Creek. There was no discharge.
1998-99 - On upper Burwash the same equipment and wash plant was used. A 6-inch Thompson pump powered by a 635 Perkins diesel was used to supply 500 igpm from an in-stream reservoir. The effluent discharged into two out-of-stream settling ponds that were 50 feet long by 20 feet wide and 10 feet deep and 100 feet long by 40 feet wide by 10 feet deep respectively.

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

1998 on upper Burwash - The average valley width in this area was approximately 200 feet. The area worked was to a depth of 12 feet which consisted of frozen and thawed ground made up of average-sized material, decomposed bedrock and some clay.
1998-99 on lower Burwash - The ground was worked to a depth of 20 feet. The material encountered in this zone was half frozen and half thawed, with some clay content.

Bedrock Geology

Bedrock was wavy in nature.

Gold Comments

1998 on upper Burwash - The gold recovered consisted of small nuggets with a fineness of 860.
1998-99 on lower Burwash - The gold was 60% fine with very few nuggets. It was flat and angular in shape.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 188-189