

Yukon Placer Database Operations Report



Field Name: 20861 Yukon Inc., 1999-2003

Last Update: 14-Apr-2004

Status: Active Producer

Stream: Anderson: a tributary of Mayo Lake

Map Sheet(s): 105M/11

Page 1 of 3

Operators

Name	From (Date)	To (Date)	Comment
John Heasley	2002/01/01	2002/12/31	
Debra Whiting	2002/01/01	2002/12/31	
Raymond Brosseuk	1999/01/01	2003/12/31	

Owners

Name	From (Date)	To (Date)	Comment
John Heasley	2002/01/01	2002/12/31	
Debra Whiting	2002/01/01	2002/12/31	
20861 Yukon Inc.	1999/01/01	2003/12/31	
Raymond Brosseuk	1999/01/01	2003/12/31	

General Location

This property is located downstream of the apex of the alluvial fan delta on Anderson Creek, a tributary of Mayo Lake.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 42 59	135 3 50		
1999/01/01	63 43 0	135 3 0		

Water Licence(s)

Number	Comments
PM99-120	Expires: December 31, 2004, Class Number IV, Effluent Standard 500, Status A

Work History

In 2000, the Anderson Creek property was transferred to 20861 Yukon Inc. Activity has been focussed on the area downstream of Wozniak's previous workings, on the left limit of the stream. The alluvial fan has been systematically worked upstream through the previous workings to the steep-walled creek mouth to Mayo Lake. Two 12-hour shifts were worked with 13 staff in 2000. This was downsized in 2002 to seven employees. A single mining cut on the alluvial fan was mined in 2000 totalling 100 feet wide by 250 feet long and 40 feet deep. A series of mining cuts in 2001 progressively mined upstream on the alluvial fan totalling 100 feet wide by 125 feet long by 40 feet deep. In 2001, the operation attempted moving through the canyon to upstream pay values but the clay deposit on the left limit presented serious access problems. This year a seismic refraction survey was conducted which was successful in determining the bedrock profile for future mining plans. In 2002, two mining cuts were done below the stream mouth onto the alluvial fan. The left limit bedrock bench was mined first, totalling 300 feet by 150 feet and was 40 feet deep to bedrock. The deposit was followed across Anderson Creek onto the right limit and another mining cut was developed, totalling 100 feet by 200 feet, which was excavated to bedrock at 70 feet. The property was in the process of changing hands later in the season; with the operating plan being assigned to Debra Whiting and John Heasley. The operation remained active throughout the 2003 season.

Status: Active Producer**Stream: Anderson: a tributary of Mayo Lake****Map Sheet(s): 105M/11****Equipment**

A Caterpillar D-9R, a 950G Caterpillar loader and a Caterpillar 335DL excavator were used to process materials for a single wash plant in 2000. In 2001 and 2002, a second wash plant was used, which was supplied by two Caterpillar 988B loaders with 9-yard buckets and a Case 220B excavator with a 3-yard bucket. The Caterpillar loaders were replaced in 2002 by D-31 Fiat Allis loaders. A reverse spiral trommel wash plant concentrated pay gravels to minus 1 inch through a 3-foot by 20-foot tail sluice run and a feedback loop to a 18-inch by 16-foot side sluice run. An estimated 8 yards per hour of minus 1 inch concentrate were processed by the side run and 225 cubic yards per hour were processed in the main sluice run. Water supply was provided by Anderson Creek through a 471 Jimmy 6-inch Monarch water pump operating at 1300 igpm. Effluent was treated in two out-of-stream settling ponds measuring 50 feet by 80 feet in 2000, and a third cell was added in 2001. Additional armouring of the settling ponds in 2001 has stabilized the creek and channel.

Landforms

Landform	Comments
Alluvial Terrace	
Gulch	Upstream of the alluvial fan delta
Alluvial Fan Delta	Locality of some mining in 1999-2002
Alluvial Fan Delta Apex	Main historical mining was concentrated on the apex of the fan

Surficial Geology

This is an alluvial fan delta with some boulder gravel layers overlain by an interbedded assortment of sand and gravel. Remnant glaciolacustrine clay lies in a pocket upstream of the fan apex. The mining since 2000 has shown the top 10 feet to be loose materials overlaying large boulders in a layer 8 to 10 feet thick which proved to be pay gravels. The layer below the large boulders was defined by compacted coarse gravels in clay which extended down an additional 18 feet and also proved to have reasonable pay values. The final 6 feet to bedrock was described as having bright orange/yellow stains inside a black substrate which proved to have the coarsest pay values located on the property.

Bedrock Geology

Bedrock was described as being a decomposing blue schist which was extremely weathered and rotten. Bedrock depths increased each year as the mining progressed upstream. In 2002, mining was done in a sand profile which bottomed out on a scoured sandstone bedrock which deepened from 40 feet to 70 feet when the mining cut changed stream sides from the left limit to the right limit. This activity was located on the alluvial fan immediately below the stream mouth onto the alluvial fan.

Gold Comments

Gold was described as granular with 40% being #4 Tyler screen mesh or larger, and ranging to the 300 mesh size. Fineness of the gold values ranged from 890-910.

References

- Debicki R.L. Yukon Placer Mining Industry 1978-1982. Whitehorse: DIAND, 1983.: p. 73
- Debicki R.L. Yukon Placer Mining Industry 1983-1984. Whitehorse: DIAND, 1986.: p. 58
- LeBarge, W.P., Bond, J.D., and Hein, F.J. Placer gold deposits of the Mayo area, central Yukon. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 13, 2002.:
- Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1995, 1996, 1997. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 1998.: p. 151-152
- Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 178-179

Field Name: 20861 Yukon Inc., 1999-2003

Last Update: 14-Apr-2004

Status: Active Producer

Stream: Anderson: a tributary of Mayo Lake

Map Sheet(s): 105M/11

Page 3 of 3

References

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: Mayo, p. 3

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: Mayo, p. 4-6

Thomson, R.F. Yukon Placer Mining Industry 1991-1992. Whitehorse: DIAND, 1993.: p. 32

van Kalsbeek L.P. Yukon Placer Mining Industry 1989-1990. Whitehorse: DIAND, 1991.: p. 5-6

van Kalsbeek L.P. Yukon Placer Mining Industry 1993-1994. Whitehorse: DIAND, 1996.: p. 116

Pictures

Title: 20861 Yukon Inc., 2001

Notes:



Title: 20861 Yukon Inc. on Anderson Creek

Notes:

