

Yukon Placer Database Operations Report



Field Name: Wozniak, 1978-1999

Last Update: 16-Apr-2004

Status: Recent Producer 1978-present

Stream: Anderson: a tributary of Mayo Lake

Map Sheet(s): 105M/11

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Operators

Name	From (Date)	To (Date)	Comment
Margrit Wozniak	1983/01/01	1999/12/31	
Manfred Wozniak	1983/01/01	1999/12/31	
L. Wozniak	1978/01/01	1982/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Margrit Wozniak	1983/01/01	1999/12/31	
Manfred Wozniak	1983/01/01	1999/12/31	
L. Wozniak	1978/01/01	1982/12/31	

General Location

In 1978, the property was located on Anderson Creek approximately 400 metres (1,300 feet) above its mouth at Mayo Lake. In 1995, the operation was located on Anderson Creek, just downstream from the gravel apex fan. The creek channel above the alluvial fan was mined in 1998 to 1999.

Location Details

Date:	Latitude			Longitude			Elevation (feet)	Distance from Mouth (feet)
	Deg	Min	Sec	Deg	Min	Sec		
1998/01/01	63	43	50	135	1	54		
1995/01/01	63	43	0	135	3	0	2,400	1,300
1993/01/01	63	43	48	135	1	12	2,500	1,300
1978/01/01	63	43	0	135	2	0	2,400	1,300

Water Licence(s)

Number	Comments
PM97-006	
PM91-006	
PM93-092	
PM88-071	

Work History

Between 1978-1984, Mr. L. Wozniak and his family ran a small scale mining operation. In 1989, one cut totaling 6,000 cubic yards stripped and 1,660 yards sluiced. Overburden and tailings were stacked in the valley and the tops flattened. The following year, the processing rate was 8 cubic yards per hour, and in 1991, one cut was mined for a total of 19,000 cubic yards stripped, and 1,000 cubic yards sluiced. Approximately 8,000 cubic yards were stripped in 1992, with 400 cubic yards sluiced. During 1993-1994, Margarit Wozniak and her family began running the operation. Approximately 5,000 cubic yards were sluiced from ground that had previously been stripped. In 1997, Anderson Creek became unstable in an area that was undisturbed by mining activity. The creek was washing out a clay layer and causing the banks to slump. This caused high levels of clay to be deposited in the creek above the mining activity. Mining consisted of a series of alternating cuts in 1998, mining upstream for a total of 100 feet. 1999 was the last operating season for the Wozniak family, with the transfer of the property to Ray Brosseuk of 20861 Yukon Inc. under a separate water licence (PM99-120).

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Production

Year	Stripped	Sluiced
1994	Unknown	2500 cubic yards
1993	Unknown	2500 cubic yards
1992	400 cubic yards	8000 cubic yards
1991	19000 cubic yards	1000 cubic yards
1989	6000 cubic yards	1600 cubic yards

Equipment

A D4 Caterpillar bulldozer was used in 1978. Water for sluicing was directed through a control gate, and gravity-fed to the sluice box, with total creek flow used. Between 1989-1999, a Cat D7 bulldozer with a straight blade was used to strip, push up pay and rip bedrock. A Trojan rubber tired loader with a 1.5 yard bucket was used to feed the plant and stack the tailings. A 10 feet long by 4 feet wide was fitted with a dry grizzly with horizontal bars spaced 8 inches apart. Material smaller than 3/4 inch passed through a punch plate in the hopper and travelled over a single run sluice, 20 feet long by 3 feet wide. The sluice run was lined with Hungarian riffles and Nomad matting. The processing rate was 8 cubic yards per hour. A small diversion ditch supplied water at a rate of 500 to 1000 igpm to the wash plant, even though water was very low this season.

Landforms

Landform	Comments
Alluvial Valley	
Alluvial Fan	

Surficial Geology

In 1978, deposits consisted of approximately 12 feet of bouldery gravel. In 1989, the ground was frozen and averaged 50 feet deep including 4 feet of glacial till including fines and organic material, 20 feet of oxidized red gravel and 2 feet of bedrock. Both the 20 feet sections of gravels and the 2 feet of bedrock were sluiced. During 1993, the cut depth varied between 30 and 40 feet in the very narrow creek channel at the apex of Anderson Creek's alluvial fan. The overburden was a mixture of glacial gravels and angular broken rock with layers of blue-gray clay, orange gravel, and a layer of very old, rotten vegetation. The lower 6 to 8 feet of white-gray alluvium, up to eight inches in diameter, were sluiced. Bedrock was not reached and was thought to drop off into the hillside. Three old-timer's shafts stopped at a thick layer of blue clay. The best gold values were found in gravel below the clay layer.

Bedrock Geology

Bedrock is quartz-sericite and graphite schist.

Gold Comments

Gold from this creek was reported to have a fineness of 840. In 1989, gold recovered was coarse grained, red in colour and occurred within a great deal of black sand. The following years, gold was coarse and angular, some with quartz attached and a fineness around 870.

References

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