

Yukon Placer Database Operations Report



Field Name: Alexander, 2001-2002

Last Update: 11-Feb-2005

Status: Active Producer

Stream: Little Gold: a tributary of Big Gold

Map Sheet(s): 116C/2

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Operators

Name	From (Date)	To (Date)	Comment
Maurice Alexander	2001/01/01	2001/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Maurice Alexander	2001/01/01	2001/12/31	

General Location

The claims for this operation are located on the upper reaches of the Little Gold Creek which is a tributary of Big Gold Creek.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	64 4 8	140 52 57		
2001/01/01	64 4 0	140 52 0		

Water Licence(s)

Number	Comments
PM98-019	The licence was owned by Stanley Stempien.

Work History

This site was mined during the latter part of the 2001 mining season. The claims and water use licence for the site were owned by Stanley Stempien. During the period that Mr. Alexander worked the site, there were two miners working one ten hour shift per day. Two cuts were processed in 2002. One was 250 feet by 21 feet and the other was 300 feet by 21 feet. Work continued up Little Gold Creek along the left limit of the valley past the confluence with the un-named left limit tributary.

Equipment

A D7E Caterpillar with a ripper was used for all earth moving. The wash plant consisted of an 8 by 25 foot dump box with a nugget trap and a 32 inch by 25 foot sluice run equipped with 2 1/2 inch Hungarian riffles and 1/2 inch astro turf matting. The sluice run was set up at a slope of 1 3/4 inches per foot. Thirty-three loose cubic yards per hour were processed. A long tom, screens and pans were used for clean-ups. An 8-inch Berkley pump powered by a 4-71 General Motors diesel engine provided approximately 1200 igpm to the wash plant. Water was obtained from a small pond at the side of Little Gold Creek. Settling took place in a series of small ponds along the left limit side of the creek. Pond overflows were lined with plastic to minimize erosion and leakage.

Landforms

Landform	Comments
Alluvial Valley	

Surficial Geology

The area that was being mined is side pay. The operator stripped 15 to 16 feet of mixed gravel, clay and decayed vegetation leaving a sluice section of 6 to 7 feet of red and black stained gravel and some bedrock.

Bedrock Geology

The rocks exposed belong chiefly to the Yukon group of metamorphic rocks. Gneissoid quartzites, quartz-mica

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schists, sericitic schists, and granite gneisses are most abundant. Near its junction with Big Gold Creek, these rocks are invaded by an extensive area of andesite rocks, and some Tertiary sediments containing lignite occur.

Gold Comments

Gold recovered from the site had a fineness approaching 850. Some nuggets up to 2-3 pennyweight were found. They were described as smooth, quartzly and spongy.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 130

Pictures

Title: Little Gold Creek valley, 2002

Notes:

Maurice Alexander's sluice plant set up on the left limit of the Little Gold Creek valley.

