

Yukon Placer Database Operations Report



Field Name: Matkovich, 1993, 1998, 2003

Last Update: 11-Feb-2004

Status: Recent Producer 1978-present

Stream: Montana: a tributary of Indian

Map Sheet(s): 1150/10, 1150/11

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Operators

Name	From (Date)	To (Date)	Comment
19651 Yukon Inc	2003/01/01	2003/12/31	
Vern Matkovich	2003/01/01	2003/12/31	
Vern Matkovich	1998/01/01	1998/12/31	
M. O'Connel	1993/01/01	1993/12/31	
Vern Matkovich	1993/01/01	1993/12/31	

Owners

Name	From (Date)	To (Date)	Comment
19651 Yukon Inc	2003/01/01	2003/12/31	
Vern Matkovich	2003/01/01	2003/12/31	
Vern Matkovich	1998/01/01	1998/12/31	
M. O'Connel	1993/01/01	1993/12/31	
Vern Matkovich	1993/01/01	1993/12/31	

General Location

In 1993, the operation was on a left limit bench of Montana Creek downstream from the confluence with Steele Creek. In 1998 and 2003, the operation was located near the mouth of Bismark Creek.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 37 2	139 1 11		
2003/01/01	63 37 0	139 1 0		
1998/01/01	63 40 0	138 57 0		
1993/01/01	63 37 1	139 1 12	2,000	

Water Licence(s)

Number	Comments
PM02-268	
PM96-081	

Claims

File Date	Number	Name	Status
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Work History

In 1993, two miners worked 10 hour days. An area 200 feet by 250 feet was mined, with a total of 1500 cubic yards sluiced. The sluice section was two feet of gravel and two feet of bedrock. Process water was obtained by utilizing 100% recirculation of seepage water. The effluent was treated in two recirculation ponds 200 feet long by 75 feet wide by 8 feet deep.

In 1998, Vern Matkovich and a single helper ran a small bulk test along the left limit of Montana Creek. The ground that was bulk tested had been previously stripped. The gold was found on bedrock and only the lower 1 to 2 feet of gravels and 1 foot of bedrock was sluiced.

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In 2003, Mr. Matkovich sluiced bench gravels along the left limit of Montana Creek upstream from Stowe Creek. This season was used to process a large bulk test to confirm mineable reserves for the future.

Production

Year	Stripped	Sluiced
1998	Unknown	100 cubic yards
1993	Unknown	1500 cubic yards

Equipment

1993 - A 125 Michigan loader with a three cubic yard bucket and a D7 Caterpillar bulldozer were used to mine the ground. The wash plant was a 3 foot by 10 foot duplex, screening to 5/8 inch minus. This fed a sluice run 8 feet long by 32 inches wide equipped with riffles, which in turn fed two runs 8 feet long by 24 inches wide equipped with expanded metal. A 6 inch Monarch pump powered by a GM engine provided 800 igpm to sluice from 30 to 50 loose yards per hour. There was no visible discharge to the creek channel.

1998 - A Caterpillar D8 bulldozer was used to push pay material up for sluicing and for tailings.

Water was pumped from a depression in the bench and the water was recycled. No discharge to Montana Creek occurred.

2003 - A full recycle sluicing system was used with no discharge.

Landforms

Landform	Comments
Alluvial Valley	
Alluvial Terrace	

Surficial Geology

1993 - The valley is approximately 3500 feet wide. Bedrock was 6 feet above the creek level in the area mined. The stratigraphic section consisted of 3 to 7 feet of black muck over 3 to 4 feet of reddish brown gravel on top of 2 to 3 feet of greenish brown gravel.

1998 - The ground that was being bulk tested was on a left limit bench of Montana Creek and the depth increased away from the front of the bench. The total depth varied from 3 feet at the front to 15 feet at the back of the cut. The back of the cut had approximately 3 feet of frozen black muck overlying 12 feet of gravel.

Bedrock Geology

Green chloritic or graphitic schist bedrock tended to be decayed or hard, and was solidified with a wavy texture.

Gold Comments

1993 - The gold varied from flat and flaky to rounded and coarse. The mesh sizes were 10% +10, 80% -10 to +60, and 10% -60. Fineness was 790.

1998 - The gold was reported to be almost entirely fine-grained, flat and very thin. The purity of the gold was 789 fine.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 45

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: p. 1

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