

Yukon Placer Database Operations Report



Field Name: Hartley, 1991-1992, 1998-2000

Last Update: 11-Jan-2005

Status: Recent Producer 1978-present

Stream: Swamp: a tributary of Scottie

Map Sheet(s): 115N/2

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Operators

Name	From (Date)	To (Date)	Comment
Glen Hartley	1998/01/01	2000/12/31	
Glen Hartley	1991/01/01	1992/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Glen Hartley	1998/01/01	2000/12/31	
Glen Hartley	1991/01/01	1992/12/31	

General Location

This operation was located on the right fork of Swamp Creek.

Location Details

Date:	Latitude			Longitude			Elevation	Distance from Mouth
	Deg	Min	Sec	Deg	Min	Sec	(feet)	(feet)
2003/01/01	63	1	39	140	55	58		
1998/01/01	63	2	0	140	56	0		
1991/01/01	63	1	0	140	56	0		

Water Licence(s)

Number	Comments
PM97-012	
PM90-062	

Work History

Little sluicing was done in 1991. Mr. Hartley did not mine full time. One cut measuring approximately 45 feet by 100 feet was sluiced in 1992. All the gravel and the surface of the bedrock were sluiced.

Production

Year	Stripped	Sluiced
1992	Unknown	4500 bedrock square feet

Equipment

Two 82-40 Terex bulldozers were used to strip the cuts, feed the sluice plant, clear tailings and maintain the settling facilities. An 8-foot dump box fed a grizzly, which passed 2 inch minus material to a 4 foot wide by 12-foot long sluice run. The upper 4 feet of the run was lined with unbacked Nomad matting, riffles, and 3/8 inch punch plate. The lower 8 feet used unbacked Nomad matting and expanded metal. In 1992, the grizzly was replaced with a TelSmith vibrating screen that classified the pay to 1/2 inch minus. A Gorman Rupp 6 inch pump supplied the 1200 igpm that was required to sluice approximately 35 cubic yards per hour. Water was pumped from an instream reservoir upstream of the mine cut to the sluice plant. The effluent was treated in settling ponds before returning to the creek. Due to the lack of water a recycle system would be required to ensure sufficient water for extensive sluicing.

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Landforms

Landform	Comments
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Alluvial Valley	
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Surficial Geology

The soil profile was made of 4 to 8 feet of frozen black muck, a 4 foot layer of muck and gravel, and 2 to 4 feet of pay gravel on bedrock.

Bedrock Geology

Bedrock was consolidated and large boulders were very common.

Gold Comments

Most of the gold was fine with 60% -30 mesh screen and the remainder -10 screen. No nuggets were recovered. The fineness was 840.

References

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

Thomson, R.F. Yukon Placer Mining Industry 1991-1992. Whitehorse: DIAND, 1993.: p. 50