

Yukon Placer Database Operations Report



Field Name: Henry Gulch Placers, 1997-2000

Last Update: 17-Feb-2005

Status: Recent Producer 1978-present

Stream: Hunker: a tributary of Klondike

Map Sheet(s): 116B/3

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Operators

Name	From (Date)	To (Date)	Comment
Marty Knutson	1997/01/01	2000/12/31	
John Alton	1997/01/01	2000/12/31	
Henry Gulch Placers	1997/01/01	2000/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Henry Gulch Placers	1997/01/01	2003/12/31	
Marty Knutson	1997/01/01	2000/12/31	
John Alton	1997/01/01	2000/12/31	
Henry Gulch Placers	1997/01/01	2000/12/31	

General Location

This operation was located 2000 feet downstream from the mouth of Henry Gulch.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	64 1 11	139 8 48		
2000/01/01	64 2 0	139 10 0		
1999/01/01	64 2 0	139 10 0		
1998/01/01	64 2 0	139 10 0		
1997/01/01	64 2 0	139 8 0		

Water Licence(s)

Number	Comments
PM96-094	Expires: 2005/04/30

Work History

In 1997, Henry Gulch Placers operated for part of the season with a crew of 3 miners. Approximately 22,500 cubic yards of old tailings were processed. This operation was set up as a test to re-sluiice the tailings left from previous mining operations. It was determined that the recovery did not justify the cost of operating with this method and the existing price of gold.

In 1998, some testing was done, and in 1999 four miners on a single 12 hour shift mined a single cut measuring 180 feet by 140 feet by 30 feet. In 2000, hydraulic monitoring was conducted immediately downstream of Henry Gulch. All mining since has occurred on Last Chance Creek under this same water license.

Production

Year	Stripped	Sluiced
1997	Unknown	22500 cubic yards

Equipment

In 1997, a Caterpillar 980B loader and a Caterpillar 245 excavator were used to stockpile gravels for sluicing and a Caterpillar 225 excavator fed the sluice plant. A Caterpillar D9G bulldozer was on site and was used where/when

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needed. A single deck shaker plant with 3/4 inch punch plate was used. The 2/4 inch minus material was washed through a 4 foot wide by 12 foot long sluice run lined with 1 inch angle iron riffles and Nomad matting. The washed material was then split into 3 oscillating runs (4 feet by 10 feet) lined with expanded metal and Nomad matting. A 10 by 8 inch Fairbanks Morse pump powered by a General Motors engine supplied the 1500 igpm needed to sluice between 60 and 75 cubic yards per hour. Water was pumped from an old instream reservoir on Hunker Creek to the sluice plant. The effluent flowed downstream of the bottom of the property where it was treated in an out-of-stream settling pond before discharging into Hunker Creek.

In the years 1998 to 2000, a Caterpillar D9H bulldozer and a Caterpillar 235 excavator were used to strip the cut in frozen ground. The pay was removed from the cut and stockpiled by a Caterpillar D350 truck, the Caterpillar 235 excavator and a Caterpillar 980B loader. The pay was sluiced back into the mine pit using the excavator and loader. The same wash plant was used. The pay gravels were removed from the pit and then the pit was used to sluice back into. Water from Hunker Creek was used for sluicing and the effluent was treated in the out of stream mine pit.

Landforms

Landform	Comments
Tailings	

Surficial Geology

In 1997 old tailings were processed, and in 1999 the mining section was situated near the left limit of Hunker Creek. Between 12 and 18 feet of black muck was found above a layer of gravel 8 to 10 feet deep. The lower 4 feet of gravel and from 2 to 4 feet of the bedrock was sluiced.

Bedrock Geology

The bedrock was described as mostly black, solid and slabby. The rocks along the upper part of Hunker Creek consist of the light coloured sericite schists, and the greenish chloritic schists of the Klondike series, cut by a few small bosses of rhyolite. From Colorado Creek to the mouth the same rocks also occur, but are associated with wide bands of the lead coloured and dark graphitic schists of the Hunker series, some green schists and occasional bands of limestone.

Gold Comments

The gold was screened and was found to be approximately 10% +10, 85% -10 to +60, and 5% -60 mesh. The gold was described as dull coloured with some quartz attached. A few small nuggets were recovered. The purity was 710 fine. The gold was reported to be mainly fine with a purity of 760 fine.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1995, 1996, 1997. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 1998.: p. 54

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 63

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