

Yukon Placer Database Operations Report



Field Name: Daunt, 1983-94, 1998-2003

Last Update: 23-Feb-2005

Status: Active Producer

Stream: Skookum Gulch: a tributary of Bonanza

Map Sheet(s): 1150/14

Page 1 of 3

Operators

Name	From (Date)	To (Date)	Comment
Fischer	2003/01/01	2003/12/31	
Rothwell	2003/01/01	2003/12/31	
Ivan Daunt	1998/01/01	2003/12/31	
Ivan Daunt	1993/01/01	1994/12/31	
Keiran Daunt	1983/01/01	1994/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Fischer	2003/01/01	2003/12/31	
Rothwell	2003/01/01	2003/12/31	
Ivan Daunt	1998/01/01	2003/12/31	
Ivan Daunt	1993/01/01	1994/12/31	
Keiran Daunt	1983/01/01	1994/12/31	

General Location

This operation was located along the left limit of Bonanza Creek, at the mouth of Skookum Gulch immediately below Grand Forks.

Location Details

Date:	Latitude			Longitude			Elevation (feet)	Distance from Mouth (feet)
	Deg	Min	Sec	Deg	Min	Sec		
2003/01/01	63	55	45	139	19	59		
1998/01/01	63	55	0	139	20	0		
1991/01/01	63	50	0	139	20	0		
1989/01/01	63	50	0	139	20	0		
1983/01/01	63	50	0	139	20	0		

Water Licence(s)

Number	Comments
PM93-123	
PM99-130	Expires: 2005/04/01
PM90-099	
PM88-094	

Work History

1983 - This was a 2 man operation. K Daunt worked on the bench at the mouth.

1984 - K. Daunt mined a cut from the middle of Skookum Gulch.

1986 - K. Daunt mined an area on the left limit terrace immediately downstream of Skookum Gulch.

1989-90 - The operation progressed upstream. All gravel plus 3 feet of ripped bedrock were processed. The cuts for both years were 300 by 20 feet.

1991 - Nearly 6000 cubic yards of materials were excavated from an area roughly 350 feet long by 25 feet wide.

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Page 2 of 3

1993-94 - Mining progressed upstream along the centre of the valley bottom in Skookum Gulch. Each year the 25 foot wide cut was extended 250 feet. Approximately 4000 cubic yards were processed each year.

1998-2002 - One main cut in the valley bottom centre averaged about 30 feet wide by 15 feet deep and was progressively worked upstream by 75 to 100 feet per season. Up to 4000 cubic yards per season were processed.

2003 - Operation continued, however early snow and frozen ground prevented regular seasonal closure.

Production

Year	Stripped	Sluiced
1994	Unknown	4000 cubic yards
1993	Unknown	4000 cubic yards
1991	6000 cubic yards	Unknown
1990	Unknown	4000 cubic yards
1989	Unknown	4000 cubic yards
1984	Unknown	4000 cubic yards
1983	Unknown	4000 cubic yards

Equipment

In 1983 a Caterpillar D2 bulldozer, and an International TD015 bulldozer were used. Water for sluicing was pumped from Bonanza Creek by way of a 6-inch diameter pipeline approximately 500 feet long. A 6-inch Gorman-Rupp trash pump driven by a 3-cylinder Detroit diesel engine pumped the water.

In 1984, an 8 by 10 inch pump run by a v-6 motor was used to supply approximately 2000 igpm of water for sluicing.

In 1986, an Allis Chalmers HD16 bulldozer was used to strip overburden, dig pay gravel, and push tailings. A Caterpillar 966B loader fed the wash plant and a JCB track loader removed and stacked tailings. The sluice plant consisted of a single ruin sluice and dump. The dump, 7.5 by 12 feet in length, was lined with slick plate except for the throat area where punch plate with 1/4 inch slotted punch plate over alternate section of 1.5-inch riffles over the sections of expanded metal over matting. The remaining length of the box was lined with 1.5 inch angle iron riffles directly over matting. Sluicing rate was estimated at 50 cubic yards per hour with a water used rate of 1500 igpm, supplied by a 6 by 6 inch Morris pump, powered by a Perkins 6 cylinder diesel.

In 1989 and 1990 - A screen deck 5 feet wide by 12 feet long fed a single sluice run 3 feet wide by 20 feet long lined with angle iron riffles. About 15 cubic yards per hour were processed using 1200 igpm of water supplied by a 6 by 6 inch pump, powered by a Perkins diesel.

In 1991-92 - An Allis Chalmers HD16 dozer was used to strip overburden and dig pay gravel. A Cat 966B front-end loader fed the sluice, and a JCB track loader removed tailings. A 5 by 12 foot screen deck and single sluice run 3 feet wide by 20 feet long with angle iron riffles, was used to process 15 cubic yards per hour. A 6 by 6 inch pumped powered by a Perkins diesel supplied about 1200 igpm. Water was pumped from an instream reservoir on Bonanza Creek. Waste water was settled in out of stream ponds in Skookum Gulch, with seepage discharge only. In 1993-94 - The same equipment and wash plant were used. Water was recycled in three instream settling ponds on Skookum Gulch, which usually dried up after spring run off and make up water was pumped from an instream reservoir on Bonanza Creek.

1998-2002 - One Komatsu bulldozer (D6 equivalent) was used for excavating pay gravel. One Caterpillar 951 crawler loader was used for removal of tailings. One Caterpillar 966B loader was used to feed the wash plant. A small hopper over a 5 feet by 12 feet shaking screen deck classified pay gravels to 3/4 inch. A single sluice run was 3 feet wide by 20 feet long with angle iron riffles over a plastic mat. A 6-inch by 6-inch Monarch pump, powered by a Perkins V8 diesel engine, delivered about 1200 igpm of water which was used to process up to 40 yards per hour.

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Page 3 of 3

Landforms

Landform	Comments
Gulch	

Surficial Geology

Frozen black muck overburden, with evidence of old mining shafts, was 25 to 30 feet deep. Pay gravels varied from 3 to 6 feet deep and were up to 20 feet wide in the gulch bottom. All gravels plus 2 to 3 feet of broken bedrock were sluiced. One main cut in the valley bottom centre averaged about 30 feet wide by 15 feet deep and was progressively worked upstream by 75 to 100 feet per season. Up to 4000 cubic yards per season were processed.

Bedrock Geology

The bedrock was composed of green, decomposed muscovite schist.

Gold Comments

Gold was rough and angular with quartz attached and fineness around 660.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 52-53

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: p. 29-31

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 23

Pictures

Title: Daunt's Operation on Skookum Gulch; 2000

Notes:

