

Yukon Placer Database Operations Report



Field Name: Mary Ange Resources/Klein, 1999-2003

Last Update: 21-Feb-2005

Status: Active Producer

Stream: Gold Run: a tributary of Dominion

Map Sheet(s): 1150/10, 1150/15

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Operators

Name	From (Date)	To (Date)	Comment
Gerald W. Klein	1999/01/01	2002/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Gerald W. Klein	1999/01/01	2002/12/31	
Mary Ange Resources	1999/01/01	2002/12/31	
Gerald W. Klein	1999/01/01	2003/12/31	

General Location

This operation was located on Gold Run Creek, approximately three miles from the confluence of Dominion Creek. Mining also took place at the mouth of Laskey Pup.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 42 34	138 38 13		
2003/01/01	63 42 0	138 38 0		
2000/01/01	63 42 26	138 37 41		
1999/01/02	63 48 0	138 38 0		
1999/01/01	63 42 0	138 37 0		

Water Licence(s)

Number	Comments
PM98-020	Expires: 2008/12/31

Work History

In 1999, three miners were employed, working one 10 hour shift per day. It was estimated that 2/3 of the pay section was removed by monitoring, washing out muck from old workings, decomposed bedrock and silt. A total of 32,600 square feet and an estimated 1448 in-place yards were sluiced. Also, 2604 cubic yards were sluiced from a stockpile left by Teck in 1993. The miners produced one cut. In 2001, seven miners were employed in one camp to work one of two ten hour shifts per day. Five cuts were mined ranging from 200 by 150 feet to 500 by 150 feet. The total volume sluiced in 2001 was 28,600 cubic yards over 240 hours. Of the total 170,000 cubic yards of waste material removed, 120,000 cubic yards were removed by hydraulic stripping. In 2002, one cut mined in the previously dredged area was 150 feet by 1300 feet with a total of 50,064 cubic yards of pay gravel sluiced. A second cut in virgin ground was 40 feet by 250 feet. In 2003, the mining crew worked night shifts stripping and sluicing.

Production

Year	Stripped	Sluiced
2002	Unknown	50064 cubic yards
2001	120000 cubic yards	28600 cubic yards
1999	30600 cubic yards	4052 cubic yards

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Equipment

In 1999, a D9H with ripper was used for stripping black muck, and a D8k with ripper was used to strip black muck and to push pay gravel to the backhoe. A 235 Backhoe was used to feed the wash plant, and a 980 Loader with and 8 cubic yard bucket removed tailings. The wash plant was a 16 by 18 foot hopper with a belt feeder, dumping into a 4-foot diameter trommel, feeding into hydraulic riffles at 1 inch to 1-foot slope. A 10 by 12 inch Morris Slurry pump driven by a 3408 Cat engine produced up to 4000 igpm. Material was processed at 32 loose cubic yards per hour. Water was acquired from a settling pond (Ladkey Lake), which was 100% recirculation with no overflow into Gold Run Creek. Three cleanups were conducted using a 2-cell jig.

In 2001, a D10N Cat, a D9N Cat, U-blades and rippers, a 966 Cat loader with a 3 cubic yard bucket and a 330 Cat backhoe were used at this operation. The wash plant was a hopper with a belt feeder feeding onto a screen deck with 3/4 inch punch plate feeding a sluice box with 3 sections of runs. Two of the runs were 4-foot long runs, one 18-foot long run, and three runs with expanded metal. A 3406 Cat engine producing 3500 igpm powered an 8 by 10 inch Cornell pump. Material was processed at 188 loose yards per hour. Water was acquired from Gold Run Creek. Effluent was treated in two 100% efficient out-of-stream ponds. One was 600 by 400 feet, and the other was 800 by 900 feet. A total of six cleanups were performed.

In 2003 a large recirculation pond was in place with overflow to another large pond.

Environmental Work

Year	Reclamation Work
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2003	Reclamation/contouring was ongoing and showed good revegetation.
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Landforms

Landform	Comments
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Alluvial Valley	
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Tailings	
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Surficial Geology

The average width of the creek valley is 1200 feet. In 1999, the depth of the black muck was found to be 25 feet deep, frozen and uniform. Elevation from Laskey was four feet, and the elevation above Gold Run Creek was 12 feet. Waste muck was hydrauliced into a settling pond. Tailings were used to build roads and a centre dike in the settling pond.

In 2001, it was found that there was 30 feet of black muck; eight of which was pay gravel. Ten feet of it was sluiced, and the waste was either stockpiled mechanically or moved hydraulically into the settling pond. In 2002, overburden consisted of 25 feet of frozen black muck. There were many old workings encountered. The average depth of pay dirt was 5 feet. The operation sluiced the pay gravel and 3 feet of rock. The pay gravel was mixed with black mud. The black mud had approximately 10 to 20% pay gravel that had either been left by the dredge or was spillage from the dredge buckets.

Bedrock Geology

In 1999, bedrock was sloped and wavy sericite and chlorite schist.

Gold Comments

In 1999, coarse gold was recovered, and 60% of it was +20 mesh. Fineness was found to be 850. In 2001, 90% of the gold recovered was found to be fine, while the other 10% was small nuggets. The gold was bright, round and chunky, with some crystalline. Fineness was 850.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 111

Nowosad, M. Placer Mining Year End Summary, 2003. Client Services and Inspections Division, Yukon Energy Mines and Resources, 2004.: p. 65-66

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References

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 56

Pictures

Title:

Notes:

Mary Ange Resources using an hydraulic monitor in the Gold Run Creek valley during the 2001 mining season.

