

Yukon Placer Database Operations Report



Field Name: Gatenby Mining, 1998-2003

Last Update: 29-Dec-2004

Status: Active Producer

Stream: Dominion: a tributary of Indian

Map Sheet(s): 1150/10

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Operators

Name	From (Date)	To (Date)	Comment
Lisle Gatenby	1998/01/01	2002/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Lisle Gatenby	1998/01/01	2002/12/31	
Gatenby Mining	1998/01/01	2003/12/31	

General Location

This operation mined an area of Dominion Creek upstream from its confluence with Sulphur Creek. This area of the Dominion Creek Valley was approximately 2500 feet wide with a relatively low slope.

Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 39 29	138 40 12		
1998/01/01	63 39 23	138 39 29		

Water Licence(s)

Number	Comments
PM99-086	Expires: 2005/05/01

Work History

From 1998 to 2002, three miners worked the property covering a total of 18 hours per day in 1½ shifts. In 1998 development work was conducted at the site. This work included drain and diversion channel construction and stripping of blocks to be mined in the 2000 to 2002 seasons. During 1999, work from the 1998 season was continued. Construction of the sluice plant was also done. In 2000, plant construction was completed and two mine cuts were processed. One was 450 feet by 200 feet and the other was 100 feet by 100 feet for a total of 27,000 cubic yards. Three cuts were processed in 2001. The first had an area of 450 feet by 150 feet, the second 200 feet by 150 feet and the third 250 feet by 200 feet. The total cubic yardage processed was 30,000. In 2002, another 3 cuts were processed. The area of these cuts was 200 feet by 100 feet, 300 feet by 150 feet and 100 feet by 100 feet. A total of 27,000 cubic yards were processed. Mechanical stripping continued in 2003.

Production

Year	Stripped	Sluiced
2002	Unknown	27000 cubic yards
2001	Unknown	30000 cubic yards
2000	Unknown	27000 cubic yards

Equipment

From 1998 to 2002, two Caterpillar bulldozers, models D9L and D8H, a John Deere model 844 loader and two Hitachi excavators, models EX200 and EX400, were used to mine the site. The loader had a 5½ cubic yard bucket, the EX200 had a ¾ cubic yard bucket and the EX400 had a 1½ cubic yard bucket. The wash plant consisted of a feeder which included a conveyor that fed material to the double deck screen. The screen decks were made of

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rubber-coated steel. The top deck had 1-inch holes and the bottom deck had ½ -inch holes. Coarse tailings left the plant and were stacked via another conveyor. Recovery was in vibrating trays. The processing rate was 150 loose yards per hour. Process water was supplied at a rate of 2500 igpm by an 8 by 10-inch Berkley pump powered by a Cummins engine. The operation was able to utilize ground water for sluicing. A recycle rate of up to 100% was accomplished with settling occurring in old mining blocks.

Environmental Work

Year	Reclamation Work
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2002	Reclamation was being addressed using mined-out cuts as settling ponds and then back-filling into them.
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Surficial Geology

The operation encountered 10 feet of silt or peat over 10 feet of Dominion Creek gravel, over 10 feet of White Channel gravel on decomposed schist bedrock. The total depth to bedrock was 30 feet. The whole section was frozen. Both the White Channel and the Dominion gravel were unsorted with a lot of ight framework. There were some big quartz boulders. The White Channel gravel contained kaolinite clay. The sluice section consisted of 4 to 7 feet of White Channel gravel and 2 feet of decomposed schist bedrock.

Bedrock Geology

The bedrock was decomposed schist that had shattered quartz veins.

Gold Comments

The purity of gold at this site was 860 fine. The majority of the gold was between 10 and 100 mesh with less than 1% greater than 10 mesh.

References

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 106-107

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 37-40

Pictures

Title: Aerial View of Gatenby Mining's Operation

Notes:



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Title: Gatenby Mining Services, 1998-2002

Notes:

Gatenby Mining Services sluice plant on Dominion Creek.

