

Yukon Placer Database Operations Report



Field Name: Prospecta Mining Ltd., 1989-1990, 1993-2002

Last Update: 09-Jan-2005

Status: Recent Producer 1978-present

Stream: Clear: a tributary of Stewart

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Operators

Name	From (Date)	To (Date)	Comment
Judi Board	1993/01/01	2002/12/31	
Dick Board	1993/01/01	2002/12/31	
Bruce Rittel	1989/01/01	1990/12/31	
Judi Board	1989/01/01	1990/12/31	
Dick Board	1989/01/01	1990/12/31	

Owners

Name	From (Date)	To (Date)	Comment
Prospecta Mining Ltd.	1995/01/01	2003/12/31	
Judi Board	1993/01/01	2002/12/31	
Dick Board	1993/01/01	2002/12/31	
Prospecta Contracting Ltd.	1993/01/01	1994/12/31	
Bruce Rittel	1989/01/01	1990/12/31	
Judi Board	1989/01/01	1990/12/31	
Dick Board	1989/01/01	1990/12/31	
Prospecta Contracting Ltd	1989/01/01	1990/12/31	

General Location

In 1989, the property was located on the right fork of Clear Creek about 1/2 mile upstream from Quartz Creek. In 1993, the property was located one mile upstream from the junction of the left and right forks of Clear Creek. The operation continued upstream into a left limit tributary in 1997. This diversion was discontinued in 1998 and the operation returned to the main creek. The Board's continued their operation on the right fork of Clear Creek, just below the Queenstake dredge.

Location Details

Date:	Latitude			Longitude			Elevation	Distance from Mouth
	Deg	Min	Sec	Deg	Min	Sec	(feet)	(feet)
2002/01/01	63	48	10	137	7	33		
1998/01/01	63	47	0	137	14	0		
1993/01/01	63	47	8	137	14	0	3,450	
1989/01/01	63	46	0	137	0	0		

Water Licence(s)

Number	Comments
LP00089	
PM99-092	Expires: 2005/04/30
PM96-086	
PM89-005	
PM93-019	

Work History

In 1989, Dick Board and Bruce Rittel worked a 12-hour shift. Dick's wife and daughters also worked in the camp. The operator mined 4 small areas left behind the dredge on both side of the creek. The valley is wide and the stream gradient low at this location. 32,000 cubic yards were sluiced and 60,000 cubic yards were stripped.

30,000 cubic yards were sluiced and 50,000 cubic yards were stripped in 1990

In 1991 and 1992, there was no reported mining or work done on the property.

In 1993, 70,000 cubic yards were sluiced and 70,000 cubic yards stripped from 5 cuts.

In 1994, 47,600 cubic yards were sluiced and 113,000 cubic yards stripped from 6 continuous cuts. Dick Board and one helper worked the property.

From 1995 to 1997, Dick Board mined the right fork of Clear Creek, with a four-person crew.

In 1995, about 50000 cubic yards were sluiced from six cuts, roughly 500 feet by 150 feet each.

During 1996, a total of fifteen cuts were taken out, with approximately 55000 cubic yards sluiced.

The 1997 season saw four cuts about 200 feet wide by 300 feet long, plus one cut about 500 feet long by 50 feet wide, mined. The operation continued upstream into a left limit tributary in 1997.

In 1998, there were 2 miners and 2 camp personnel running one 12 hour shift daily. The 1997 operation on the right limit tributary was discontinued and mining returned to the main creek. Prospecta Mining Ltd. Mined a total of 6 cuts, which averaged in size 150 feet by 250 feet in 1998 only. During the following years, they have been trying to sell this operation and spent their time organizing and fixing equipment, completing reclamation and restoration work and preparing ground for temporary closure. A few small areas were tested and sluiced.

In 2001 and 2002, the majority of fuel tanks and equipment had been hauled out of the valley and only the camp remained.

In 2003 no mining occurred. Reclamation was completed and operation shut down.

Production

Year	Stripped	Sluiced
1996	Unknown	55000 cubic yards
1995	Unknown	50000 cubic yards
1994	113000 cubic yards	47600 cubic yards
1993	70000 cubic yards	700000 cubic yards
1990	50000 cubic yards	30000 cubic yards
1989	60000 cubic yards	32000 cubic yards

Equipment

Equipment in 1989 and 1990 consisted of a Komatsu D115 bulldozer with U blade and ripper was used for stripping, pushing up pay and removing tailings. A Bantum 260 excavator with a 3/4-yard digging bucket and a 1 1/2 yard clean up bucket was used to dig drains and feed the trommel. A 6 by 5 feet wet hopper fed material to a 5 feet in diameter by 40 feet long trommel driven by a 30 HP electric motor. The trommel was lined with 28 feet of punch plate and equipped with a spray bar. The trommel fed material to a 24-foot long sluice run lined with expanded metal and Coco matting. The processing rate was between 80 and 100 cubic yards an hour. A long tom and pan were used for clean up. Overburden was pushed up the side hills. Tailings were pushed into old cuts in the valley bottom. Water was pumped out of a pump pond connected to the right fork of Clear Creek at a rate of 800 igpm by an 8 inch Allis Chalmers pump powered bay a 60 HP electric motor. Electricity was supplied by a 100 KW generator run b a Volvo engine. Effluent was treated in a series of 4 settling ponds. The 3 downstream ponds were built out of old cuts. Total creek flow was run through the ponds for part of the season.

In 1993 and 1994, a D55A Komatsu bulldozer was used for stripping, pushing up pay, and removing tailings. The wash plant was fed with a C260 Bantam excavator. A trommel 5 feet in diameter by 50 feet long fed material smaller than 3/4 inches onto a sluice run 4 feet wide by 40 feet long lined with 1 inch riffles and expanded metal. The processing rate was 100 cubic yards per hour. An 8 by 8 inch pump delivered 8-- igpm to the wash plant from

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Clear Creek. Effluent was treated in a series of out-of-stream ponds on the left limit, the same as in previous years. In 1995 to 1997, two Komatsu 155A bulldozers with ripper and U-blade were used for stripping frozen overburden and stockpiling gravel. A Bantam C260 backhoe was used to dig drains and ditches and to feed the wash plant and one front end loader, with a 4 1/2 cubic yard bucket, was used to remove tailings. A 5 foot diameter by 40 foot long trommel classified to 3/4 inch minus, followed by a single sluice run 4 feet wide by 42 feet long, lined with both angle iron riffles and expanded metal over Nomad mat. Up to 100 cubic yards per hour were sluiced, using approximately 1200 igpm of water, supplied by an 8-inch pump. Water was pumped from an instream pond in Clear Creek and was recycled from two out of stream settling ponds.

In 1998, the same equipment and washplant used in previous years was used. Effluent treatment was out-of-stream and the standard was 2.5 ml/L. Pond size was about 200 feet by 300 feet and there was approximately 10% recycle possible.

Environmental Work

Year	Reclamation Work
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2003	All items of final decommissioning were completed. Both water channels were stable and revegetating.
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2002	Tailings were contoured; settling pond area and other mine areas showed good revegetation.
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Landforms

Landform	Comments
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Alluvial Valley	
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Surficial Geology

The cuts averaged 16 feet deep by 15 feet of coarse gravel up to 1 foot in diameter and 1 foot of decomposed schist bedrock mixed with clay. The lower 2 feet gravel and 1 foot of bedrock was sluiced.

In 1993, the total depth to bedrock was 12 feet in the main valley with a 1:1 stripping ratio. This area had been previously stripped. The depth in the side hill was 19 feet with a 2:1 stripping ratio. Four to ten feet of black much covered 6 to 9 feet of river gravel.

In 1997, most of the ground in the main valley of the right fork had been previously stripped and was thawed. The unnamed left limit tributary had frozen overburden and gravel from 8 to 15 feet.

In 1998, an average of 4 feet of overburden and 3 feet of gravel were encountered. Overburden was frozen and uniform in composition.

Bedrock Geology

Bedrock was decomposed schist with harder quartz reefs; some was flat and unconsolidated.

Gold Comments

1989- The gold was flat and well travelled with 50% larger than 16 mesh. No large nuggets were found.

1993-Thirty percent of the gold was larger than 10 mesh with some small nuggets. Fineness was 820. The concentrate contained magnetite, hematite, galena, and large amounts of pyrite.

1995-97 Approximately 80% was flat and smooth and about 20% was rough. Some nuggets up to 3/4 ounce and some crystalline nuggets were found in 1997. Fineness was around 840.

1998- The gold was mostly flat, although some pieces were angular in shape. Recovery consisted of about 10% at +10, 70% at -10 to +60 and the remaining 10% at -60%. Fineness was consistently around 840.

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