REPORT ON DUMP SAMPLING At the RECEIVED MAY 3 0 2002 BLACK DOME MINE Gold Commissioner's Office INTON M.D., British Columbia VANCOUVER, B.C. **Prepared for:** J-Pacific Gold Inc. Suite 1440-1166 Alberni St. Vancouver, B.C. Canada. V6E 3Z3 Data fie Gold By: M. A. Mitchell, P.Eng. Mitchell Geologic Services Inc. Suite 1028-470 Granville St. Vancouver, B C. Canada. V6C 1V5 e-mail marvingeol@hotmail.com January 8, 2002 440 - 5 5 - 5 - 5 GEOLOGICAL SURVEY BRANCH 4. **.** ASSVESS



1.0 INTRODUCTION

From September 25 to September 27, 2001 a programme of mine dump sampling was performed on the Blackdome Mine, Clinton M.D., British Columbia.

The purpose of this programme was to assess as many of the mine dumps as possible to see if any of the dumps had economic grades or close to economic grades in gold. The company's philosophy is, that if enough economic grade mineralization is found above ground in these mine dumps, the tailings pond and in open pit potential around outcropping veins and breccia zones, the mill may be re-started using this material until additional underground reserves and resources can be found and developed and the mine can be re-opened and when the price of gold starts going up.

2.0 DESCRIPTION OF WORK

It was planned to rent a large enough back-hoe to trench across the dumps, and then manually sample the walls of the trenches vertically from to bottom along measured intervals, breaking the samples where there was a gross change in rock type. (mineralization to waste or waste to mineralization).

It was found that the back-hoe was too small to provide the digging power to effectively dig the trenches deep enough to assess most of the dump volume.

Then, it was decided to dig a number of small holes with the back-hoe on regular intervals on the surface of the dumps. These holes ranged from a metre to a metre and one half deep and about a meter in horizontal cross section. Samples were then taken by dragging the back-hoe bucket up each side of the hole and dumping the sampled material on a plastic tarpaulin. Samples were then taken by hand from each pile and sent to ALS-Chemex Labs in North Vancouver.

A total of 72 samples were taken from 36 pits dug on 7 mine dumps, roads or ramps.

3.0 RESULTS OF WORK

The assay returns are presented in table 1. Samples that returned values of 0.03 opt gold and above are shown in red in the table. These samples were sent in for re-assay for gold using a 1,000 g wet screen fire assay. The wet screening was done at 75 micron (μ). Duplicate assays were done on the undersize fraction and one assay was done on the entire oversize fraction. The total gold content was calculated, individual assays and weight fractions are reported in table 2. (Taken from the ALS-Chemex assay certificates which are included in appendix A).

This procedure was used to:

- Check the assays for accuracy and,
- The screening was used to ascertain there was whether any difference in the assays in the large vs. small fractions.

The data included in table 2 is re-presented in table 3 with a conversion from Au g/tonne to Au oz/tonne.



TABLE 1 BLACK DOME DUMP SAMPLES

Sample #	Weight (kg)	Grade Oz/T	Area	Line	PIT	Depth(m)	Description
323801	4.66	0.0255	REDBIRD DUMP	1 1	1-S	2 - S 2	Mainly Volc. Minor Qtz.
323802	5.52	0.0102	REDBIRD DUMP	antā t erešer	1-N	2	50/50 Qtz.Volc.
323803	4.18	0.0066	REDBIRD DUMP	1	2-S	2	Mainly Volc.
323804	4.36	0.0009	REDBIRD DUMP	1	2-N	2	Mainly Volc.
323805	3.66	0.0027	REDBIRD DUMP	1.1	3-S	1.5	Mainly Volc.
323807	4.04	0.0045	REDBIRD DUMP	i kas t in žešu	3-N	1.5	Mainly Volc.
323808	5.16	0.063	REDBIRD DUMP	2	1-S	2	Red Altrn + Qtz
323809	5.12	0.0333	REDBIRD DUMP	2	1-N	2	Red Altrn + Qtz
323810	4.66	0.0045	REDBIRD DUMP	2 2	2-5	2	25% Qtz. + Volc.
323811	2.92	0.0051	REDBIRD DUMP	2	2-N	2	Mainly Volcanics top 0.3m red
323813	3.04	0.0099	REDBIRD DUMP	2	3-S	1.5	Mainly Volcanics top 0.3m red
323814	3.76	0.0051	REDBIRD DUMP	2	3-N	1.5	Mainly Volcanics top 0.3m red
323815	3.82	0.0285	REDBIRD DUMP	- 3	1-S	2	Orange-red material
323816	5.86	0.0234	REDBIRD DUMP	3	1-N	2	Orange-red material
323818	5.08	0.0066	REDBIRD DUMP	3	2-S	2	Voic. 10% Qtz.
323819	4.94	0.0102	REDBIRD DUMP	3	2-N	2	Volc. 10% Qtz
323820	5.14	0.0042	REDBIRD DUMP	3	3-S	2	Voic. 10% Qtz.
323821	4.5	0.0069	REDBIRD DUMP	3	3-N	2	Volc. 10% Qtz
323822	5,54	0.0033	1960 South Dump		1-S	1.5	White Rhyminor Qtz.
323823	4.68	0.0063	1960 South Dump		1-N	1.5	White Rhyminor Qtz.
323825	5.56	0.2691	1960 South Dump		2-S	2	White Rhyminor Qtz.
323826	5.6	0.2217	1960 South Dump		2-N	2	White Rhyminor Qtz.
323827	5.76	0.0216	1960 South Dump		3-S	1	White Rhyminor Qtz.
323828	5.42	0.0273	1960 South Dump		3-N	1	White Rhyminor Qtz.
323829	6.16	0.0108	1960 South Dump		4-S	1.5	White Rhyminor Qtz.
323830	5.9	0.0066	1960 South Dump		4-N	1.5	White Rhyminor Qtz.
323831	6	0.0015	1960 South Dump		5-S	1.5	White Rhyminor Qtz.
323833	4.96	0.0075	1960 South Dump		5-N	1.5	White Rhyminor Qtz.
323834	5.82	0.1047	1960 South Dump		6-S	1.5	White Rhyminor Qtz.
323835	5.52	0.0393	1960 South Dump		6-N	1.5	White Rhyminor Qtz.
323836	5.88	0.027	1960 South Dump		7-S	1.5	White Rhyminor Qtz.
323837	5.9	0.0081	1960 South Dump		7-N	1.5	White Rhyminor Qtz.
323838	6.1	0.0024	1960 South Dump		8-S	1	White Rhyminor Qtz.
323839	5.10	0.0034	1960 South Dump		8-N	1	White Rhyminor Qtz.

TABLE 1 (Cont.) BLACK DOME DUMP SAMPLES P. 2

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Sample #	Weight (kg)	Grade Oz/T	Area	Line	PIT	Depth(m)	Description
323878	6.18	0.0042	1960 South Dump		9-S	1.5	Rhyolite
323879	5.24	0.0213	1960 South Dump	ana a ser a s	9-N	1.5	Rhyolite
323880	6.66	0.0066	1960 South Dump		10-S	1.5	Rhyolite
323881	4.3	0.0051	1960 South Dump		10-N	1.5	Rhyolite
323841	5.74	0.0015	Crusher Ramp	west	1-N	1.5	Andesite
323842	7.44	0.4122	Crusher Ramp	$ \begin{array}{c} & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ $	1-S	1.5	Andesite
323843	7.2	0.0099	Crusher Ramp		2-N	1.5	Andesite
323844	7.14	0.7011	Crusher Ramp		2-S	1.5	Andesite
323845	7.06	0.0066	Crusher Ramp		3-N	- 1.5	Andesite
323846	6.72	0.0027	Crusher Ramp		3-N	1.5	Andesite and and a second
323849	7.08	0.0342	1920 Dump		1-N	1.5	Andesite and the second
323850	5.8	0.0363	1920 Dump	ya Maran Ma	1-S	1.5	Andesite
323851	6.38	0.075	1920 Dump		2-N	1.5	Mixed Rhy & Qtz
323852	6.56	0.0657	1920 Dump		2-S	1.5	Mixed Rhy & Qtz
323853	7.66	0.0792	1920 Dump		3-N	1.5	Mixed Rhy & Qtz
323854	6.98	0.0354	1920 Dump		3-S	1.5	Mixed Rhy & Qtz
323855	7.22	0.0177	1920 Dump		4-N	1.5	Mainly Andesite
323857	7.86	0.0255	1920 Dump		4-S	1.5	Mainly Andesite
323858	6.68	0.0213	1920 Dump		5-N	1.5	Mainly Andesite
323859	6.22	0.0036	1920 Dump		5-S	1.5	Mainly Andesite
323860	6.14	0.0027	Generator Clearing		1-E	1.5	Mainly rusty And. & Qtz
323861	5.8	0.0015	Generator Clearing		1-W	1.5	Mainly rusty And. & Qtz
323862	6.26	0.0039	Generator Clearing		2-E	0.5	Mainly rusty And. & Qtz
323863	5.48	0.0057	Generator Clearing		2-W	0.5	Mainly rusty And. & Qtz
323864	5.3	0.0012	Generator Clearing		3-E	1.5	Mainly rusty And. & Qtz
323865	5.16	0.0006	Generator Clearing		3-W	1.5	Mainly rusty And. & Qtz
323867	5.9	0.0057	Generator Clearing		4-E	2	Mainly rusty And. & Qtz
323868	6.72	0.006	Generator Clearing		4-W	2	Mainly rusty And. & Qtz
323869	5.96	0.0114	Generator Clearing		5-E	2	Mainly rusty And. & Qtz
323870	6.14	0.0156	Generator Clearing		5-W	2	Mainly rusty And. & Qtz
323871	6.76	0.0147	Generator Clearing		6-E	2	Mainly rusty And. & Qtz
323872	6.36	0.0096	Generator Clearing		6-W	2	Mainly rusty And. & Qtz

TABLE 3 RERUN CONVERSIONS

Sample #	Au total g/tonne	Au total oz/tonne	Au avg. g/tonne	Au avg. 0z/tonne	Au mg	Wt - 75µm grams	Wt + 75µm grams	Au-(1) g/tonne	Au-(2) g/tonne	Au-(1) Oz/tonne
323825	4.93	0.153	4.29	0.133	0.698	1059	5.27	4.33	4.25	0.135
323826	3.82	0.119	2.18	0.068	1.731	1044	5.83	2.3	2.05	0.071
323834	10.02	0.311	7.43	0.231	2.653	10.02	5.66	7.27	7.58	0.226
323835	2.5	0.077	1.19	0.037	1.247	941	7.36	1.2	1.18	0.037
323841	0.33	0.010	0.27	0.008	0.056	888	5.34	0.3	0.24	0.009
323842	0.17	0.005	0.14	0.004	0.032	947	3	0.14	0.14	0.004
323843	1.05	0.032	0.8	0.002	0.225	870	7.49	0.79	0.82	0.025
323844	16.69	0.519	6.51	0.202	9.642	943	2.39	6.88	6.13	0.214
323849	0.39	0.012	0.37	0.011	0.024	927	4.84	0.3	0,44	0.009
323850	0.13	0.004	0.12	0.004	0.013	884	4.13	0.1	0.13	0.003
323853	5.26	0.163	3.67	0.114	1.652	1018	5.5	3.7	3.64	0.115
323854	0.61	0.019	0.49	0.015	0.111	951	3.6	0.49	0.49	0.015

TABLE 4 ASSAY COMPARISONS

Sample #	Grade	Grade	Au total	Au total	Au avg.	Au avg.	Au mg	Wt -	Wt +	Au-(1)	Au-(2)	Au-(1)
	Oz/T	Oz/tonne	g/tonne	oz/tonne	g/tonne	0z/tonne		75µm	75µm	g/tonne	g/tonne	Oz/tonne
	table 1	conv.		conv.				grams	grams		-	
323825	0.2691	0.2440	4.93	0.153	4.29	0.133	0.698	1059	5.27	4.33	4.25	0.135
323826	0.2217	0.2010	3.82	0.119	2.18	0.068	1.731	1044	5.83	2.3	2.05	0.071
323834	0.1047	0.0949	10.02	0.311	7.43	0.231	2.653	10.02	5.66	7.27	7.58	0.226
323835	0.0393	0.0356	2.5	0.077	1.19	0.037	1.247	941	7.36	1.2	1.18	0.037
323841	0.0015	0.0014	0.33	0.010	0.27	0.008	0.056	888	5.34	0.3	0.24	0.009
323842	0.4122	0.3739	0.17	0.005	0.14	0.004	0.032	947	3	0.14	0.14	0.004
323843	0.0099	0.0089	1.05	0.032	0.8	0.002	0.225	870	7.49	0.79	0.82	0.025
323844	0.7011	0.6359	16.69	0.519	6.51	0.202	9.642	943	2.39	6.88	6.13	0.214
323849	0.0342	0.0310	0.39	0.012	0.37	0.011	0.024	927	4.84	0.3	0.44	0.009
323850	0.0363	0.0329	0.13	0.004	0.12	0.004	0.013	884	4.13	0.1	0.13	0.003
323853	0.0792	0.0718	5.26	0.163	3.67	0.114	1.652	1018	5.5	3.7	3.64	0.115
323854	0.0354	0.0321	0.61	0.019	0.49	0.015	0.111	951	3.6	0.49	0.49	0.015

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Table 4 is a re-presentation of the data from table 1 compared with converted data from table 3. Both columns are outlined in red.

For reference, g/tonne/ 32.151g/Oz = Oz/tonneOz/T x 0.907 T/tonne = Oz/tonne

3.0 CONCLUSIONS

A review of the data as outlined in table 4 shows that there is a rough correlation between the original assay grades and the screened grades on samples above 0.03 Oz/ton. There were two exceptions to this rough correlation—sample 323834(1) and sample 323842(2) where (1) the first sample was about one third of the screened duplicate and (2) where the first sample was 30 times the value of the screened duplicate.

The exceptions are probably a consequence of the pronounced "nugget effect" in the Blackdome mineralization. It should be noted that the amount of re-assayed samples was only twelve, and not a truly representative population.

A comparison of arithmetic averages for the third column versus the fifth column gave the following values, 0.1469 Oz/tonne vs. 0.1186 Oz/tonne. One might expect that a mine grade for these dumps would be in the 0.05 to 0.06 Oz/tonne range.

The distribution of the more economic portions of the mineralization is mainly from the 1920 dump and the crusher ramp with other values coming from two out of eight pits on the 1960 south dump. All of the other dumps produced low and spotty assay results.

Three areas that were not sampled were the area near the number one pit above the 1960 south portal, the South West and Watson veins. These areas although reclaimed should hold promise for additional low grade mineralization.

The volume of the dumps was not measured due to time constraints but an estimate of the volume of the dumps should be in the order of 20,000 to 25,000 tonnes.

Rough sketches of the dump areas are included with this brief report in appendix B.

The results of this brief sample program indicate that there is probably enough low grade mineralization in the within the Black dome dumps to warrant further sampling and that an asset may be there that possibly could be used to "run in" the concentrator should the price of gold make re-opening the Black dome Mine feasible.

4.0 RECOMMENDATIONS

The following recommendations should be carried out this next summer as funds become available.

(1) Rent a bigger excavator to cut trenches through the dumps for samples as previously described..

(2) In addition to the main dumps of immediate interest, the South West and the Watson veins should be sampled to assess their potential.



(3) Try screening the material from the dumps and see if most of the gold is contained in one fraction or another.

(4) Start a resource calculation for the Giant Vein open pit and proceed with the drilling of the tailings pond.

(5) Prepare a budget for the above work.

Respectfully submitted,

January 8, 2002

mitchell Marvin A. Mitchell, P.Eng.

APPENDIX A



ALS Chemex Autors Laboratory Services Ltd. Analytical Chemists - Geochemists - Registered Assayers

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To: J-PACIFIC GOLD INC.

1440 - 1166 ALBERNI ST. VANCOUVER, BC V6E 323

Page Number 1 Total Pages 12 Certificate Calst 17-OCT-2001 Invoice No. 10126284 P.O. Number Account MYT

Project : BLACK DOME Comments: ATTN: NICK FERRIS

CC: MARVIN MITCHELL

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123801 123802 123803 123803 123805	54139402 34139402 34139402 34139402 34139402 94139402 94129402	4.66 5.52 6.10 4.36 3.66	0.0255 8.0102 8.0266 8.009 0.0027					
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23815 23814 23815 23816 23818	54139402 34139402 94139402 94139402 94139402 94139402	3.04 3.76 3.72 5.85 5.85 5.08	6.0099 0.0031 0.0285 0.0234 0.0066					
21819 23820 23821 23822 23822 23823	94139403 94139403 94139402 94139402 94139402 94139402	4.94 5.14 4.50 5.54 4.68	0.9102 0.0042 0.0069 0.0069 0.0033 0.0063					
123525 323526 323827 123825 523829	94139402 94139402 94139402 94139403 94139403 94139403 94139402	5.56 5.60 5.76 5.42 6.15	0.2691 6.2217 0.0226 0.0273 0.0108					
323830 323833 323833 323833 323834 323834	94139402 94139402 94139402 94139403 94129403 94129403	5.90 6.00 4.96 5.62 5.52	D.0066 6.0015 0.0075 0.1047 0.0293					
323836 323837 323838 323838 323839 323843	94139402 94139402 94139402 94139403 94139402 94139402	5.88 5.90 6.10 5.10 3.74	0.0270 0.0081 6.0024 0.0039 0.0015					
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323878 323879 323880 323881	94139402 94139402 94139402 94139402 94139402	6.18 5.24 6.66 4.30	0.0042 0.0713 0.0066 0.0051						
323875	94139402 94139402	4.76	0.0231	 	 		 	 	
323871 323872 323873 323873	94139402 94139407 94159402 94139402	6.76 6.36 5.54 6.54	0.0147 0.0096 0.0546 0.0219						
323868 323869 323870	94130402 94130402 94130402 94130402	6.72 5.96 6.14	0.0060 0.0114 0.0156						
323866 323865 323867	94139402 94139402 94139402	5.14 5.90	0.0004	 _				 	
323860 323861 323862 323863	94139402 94139402 94139402 94139402 94139402	6.14 5.80 6.26 5.48	0.0027 0.0015 0.0039 0.0039						
323855 323857 323838 323838 323859	94139402 94139402 94139402 94139402	7.22 7.86 6.68 6.22	0.0177 0.0255 0.0213 0.0036						
323853 323854	94139402 94139402	7.66	0.0792 0.0354	 				 	
323849 323850 323851 323857	94139402 94139402 94139402 94139402	7.08 5.80 6.38 6.55	6.0342 0.0363 0.0756 0.0657						
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To PAGIEIC SOLD INC

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CERTIFICATE OF ANALYSIS A0127973 12 PIEP 34 tot Au-arg Au + WE WL + SERVIS no -(1) MR -(2) CODE 9/t. 5/T ang: **SCORS** TTAKS 9/L g/t. 121825 BESELIX 3248 277 4.93 4.29 9.698 323826 RESELIT 3288 237 3288 277 3288 277 3288 277 3288 277 1059 5 27 4.33 4.23 3.42 2.14 1.731 J23834 EKSPLIT 1944 5,83 2.30 2.05 10.82 7.43 2.653 323835 RESELTT 1042 5.66 7 .27 7.58 2.5 1.19 323641 RESPLIT 1.247 \$41 1.20 1.10 0.33 8.056 0.27 1.68 5.34 0.39 9 24 3288 277 3288 277 3288 277 3288 277 3288 277 J23842 RESELLS 8.17 1.14 323843 RESPLIT 0.032 947 3:40 0.14 1.05 0.80 323844 BESTLIT 1.225 87# 7.49 \$.79 4.12 16.65 6.51 323845 RESPLIT 9.642 943 2.39 6.88 8.35 6.13 • 37 8.074 J23450 RESPLIT 927 4.84 *.30 3246 277 9.13 0.44 4.12 0.013 814 4.13 9.10 8.13 323053 RESPLIT 3288 277 3288 277 5.26 1.67 1.652 1..... 327#34 BESPI.IT 5.50 3.70 3.64 4.6L . 49 0 111 751 1 69 8.43 9.45

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APPENDIX B

TABLE 1 (Cont.) BLACKDOME DUMP SAMPLES P. 3

Sample #	Weight (kg)	Grade Oz/T	Area	Line	PIT	Depth(m)	Description
323873	5.54	0.0546	Mill Road-Ramp		1-E	1.5	Mainly Andesite
323874	6.54	0.0219	Mill Road-Ramp		1-W	1.5	Mainly Andesite
323875	4.76	0.0231	Mill Road-Ramp		2-E	1.5	Mainly Andesite
323876	5.84	0.0063	Mill Road-Ramp		2-W	1.5	Mainly Andesite
:							
323882	5.74	0.0066	1960 N. Portal		1-N	a tao 1.5 0 - 5	Mixed Andesite & Qtz
323883	5.28	0.0054	1960 N. Portal		1-S	1.5	Mixed Andesite & Qtz
323884	6.12	0.0036	1960 N. Portal		2-N	1.5	Mixed Andesite & Qtz
323885	5.18	0.0006	1960 N. Portal		2-S	1.5	Mixed Andesite & Qtz

TABLE 2 <u>RERUNS</u>

Sample #	Au total g/tonne	Au avg. g/tonne	Au mg	Wt - 75µm Grams	Wt + 75µm grams	Au-(1) g/tonne	Au-(1) g/tonne
323825	4.93	4.29	0.698	1059	5.27	4.33	4.25
323826	3.82	2.18	1.731	1044	5.83	2.3	2.05
323834	10.02	7.43	2.653	10.02	5.66	7.27	7.58
323835	2.5	1.19	1.247	941	7.36	1.2	1.18
323841	0.33	27.0	0.056	888	5.34	0.3	0.24
323842	0.17	14.0	0.032	947	3	0.14	0.14
323843	1.05	0.8	0.225	870	7.49	0.79	0.82
323844	16.69	6.51	9.642	943	2.39	6.88	6.13
323849	0.39	0.37	0.024	927	4.84	0.3	0.44
323850	0.13	0.12	0.013	884	4.13	0.1	0.13
323853	5.26	3.67	1.652	1018	5.5	3.7	3.64
323854	0.61	0.49	0.111	951	3.6	0.49	0.49

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APPENDIX C

PERSONNEL

Marvin Mitchell, P. Eng. September 24-27, 2001, Feb 26, 2002

5 days

W. Gruenwald, P. Geo. May 28, 2002

1⁄4 day

APPENDIX D

STATEMENT OF EXPENDITURES

Consulting Fees/Labour: Mitchell Geological Services Inc. Vancouver, B.C. 4 days @ \$350/day		\$1,400.00
Analytical Costs:		
ALS Chemex, North Vancouver, B.C.		2,214.04
Transportation Costs:		357.32
Report Compilation:		
Mitchell Geological Services Inc.		
1 day @ \$350/day	350.00	
Geoquest Consulting Ltd.		
¹ /4 day @ \$400.day	100.00	
4 hours @ \$25/hour	100.00	
Photocopying, binding, misc.	30.00	<u>580.00</u>

TOTAL: \$4,551.36