

JAN RESOURCES LTD.

JAN-MAR-REMY CLAIMS

Mount McQuillan Area, B.C.

DIAMOND DRILL LOGS

and

ASSAY SUMMARY SHEETS

BP 80-1

BP 81-1

BP 81-2

BP 81-3

BP 81-4

HG 80-1

HG 80-2

9639

Part 2  
of 2

To accompany report by  
SAWYER CONSULTANTS INC.

dated April 27th, 1981

# Diamond Drill Record

COLLAR: Black Panther Grid		HOLE SURVEY		
3+00E	FOOTAGE	AZIMUTH	DIP	
0+30N	Collar	285° t.	-80°	
ELEVATION <u>3012'</u> (918 m.) approx.				
LOGGED BY <u>J.B.P. Sawyer</u>				
DATE LOGGED <u>20/12/80 to 31/12/80</u>				
MAP REFERENCE NO. <u>92 F/2</u>		METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR Richmond Diamond Drilling Ltd.  
 ASSAYER Bondar-Clegg & Co. Ltd.  
 PURPOSE OF HOLE To test for depth extension of veins exposed and sampled in Black Panther A adit.

HOLE NO.	<u>BP 80-1</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Nov. 30th, 1980</u>
FINISHED	<u>Dec. 19th, 1980</u>
PROJECT NO.	

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS			
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton		
0	12		Overburden.								
12	45	96%	Diorite, medium to fine grained, speckled appearance, cut by numerous veinlets and fractures from 50° to 85° to core axis, filled with quartz and/or carbonate. Some brecciated zones, e.g. at 39'-40'; 42.5'-44'.								
45	52	98%	Mixed Diorite and Volcanics - the rock now is less granular and more altered with an increase in veining. From 45'-46' a quartz carbonate zone sub parallel to core axis carries very minor sulphides. There are several narrow (1/8" to 3/8") quartz veins.	45'	46.5'	1.5'	37851	<0.002	0.02		
52	55.8	99%	Diorite - essentially similar to section 12'-45' - cut by several quartz and/or carbonate veins, predominantly at about 35°-40° to core axis.								
55.8	62.5	99%	Volcanic - medium to dark green, andesitic volcanic, generally fine grained. Cut by numerous quartz veinlets at 45° to 75° to core axis, up to 3/4" wide. Some veins are themselves broken.								

*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 80-1  
 CLAIM NAME/No. MAR  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
55.8	62.5	(cont.)	At 60.5'-61' - brecciated zone with quartz/carbonate fillings. Volcanics carry minor disseminated sulphides, predominantly pyrite.										
62.5	78.1	99%	Diorite - lighter coloured and finer grained than previous diorite sections with only very minor fracturing and veining.										
78.1	85.1	99%	Volcanics - essentially similar to section 55.8'-62.5'. The section is characterized by numerous quartz and/or carbonate veinlets at 45° to 85° to core axis. Very finely disseminated pyrite in minor amount throughout the section.										
85.1	89.8	99.5%	Gabbro or very coarse grained diorite. From 85.9'-86.3' approximately is a band of volcanic material similar to section 78.1'-85.1'. Several minor quartz veinlets at 40° to 45° to core axis. Some minor iron staining but no visible sulphides.										
89.8	90.4	100%	A 6" band of dark green volcanics. The upper contact with the coarse grained gabbro is very sharp, and the lower contact										

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	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
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DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

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HOLE NO. <u>BP 80-1</u>
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
89.8	90.4	(cont.)	more gradual. There are two sets of fine quartz veinlets - one at about 30° to core axis, and the other at 55° to core axis in opposite direction. Very minor disseminated sulphides (pyrite).										
90.4	101	99%	Diorite. Very fine grained at contact (chilled margin) becoming only slightly coarser grained below the contact. Several fairly widely spaced quartz veinlets, generally at about 45° to core axis and up to ½" wide.										
			96.5'-97.2' approximately, a 7½" band of volcanic rock similar to 89.8'-90.4' above. Towards end of section rock again becomes very fine grained and grades back into volcanics.										
101	105.5	99%	Volcanics, faintly banded, and essentially similar to previous sections but now with an increase in quartz and/or carbonate veining, and some brecciation particularly at 102' over 3"-4" with epidote, and at 104'-105.5'. Other section (104'-105.5') includes a ½" wide brecciated band in which small angular fragments of dark coloured volcanics are embedded in a quartz/carbonate matrix along the length of the core.										

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CONSULTING GEOLOGIST

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_____			
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
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 PURPOSE OF HOLE \_\_\_\_\_

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CLAIM NAME/No. <u>MAR</u>
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS	
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton
105.5	113		Gabbro, or very coarse grained diorite - similar to section 85.1'-89.8'. The section is brecciated in part and shows a greater variation in textures, including some coarse chloritic sections.						
113	121.5	99%	Volcanics. Hybrid volcanics, dark green near upper contact with several irregular patches of white injected quartz. From about 114.4' the rock becomes much lighter coloured due to an increase in quartz/carbonate veining and brecciation. From 116'-116.7' there is a brown stained zone with limonitic alteration presumably reflecting a band of higher sulphide content.	114.9'	117.2'	2.4'	37852	0.005	0.06
				118.5'	121.5'	3'	37853	<0.002	<0.02
121.5	130.5		Diorite - medium to fine grained, brecciated in part and with inclusions (fragments) of epidote rich vein material. Some quartz epidote veining at about 45° to core axis with similar veins at 90° to these, i.e. two sets of veining, e.g. at 124', 125.2', 127.5'. Becomes extremely fine grained - possibly chilled margin - about 128' and at contact appears as a very fine grained volcanic. Minor quartz and/or carbonate veins throughout.						

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COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
_____	_____	_____	_____
ELEVATION _____	_____	_____	_____
LOGGED BY _____	_____	_____	_____
DATE LOGGED _____	_____	_____	_____
MAP REFERENCE NO. _____	METHOD: _____		

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
130.5	135	99%	Hybrid Zone. Sharp contact between fine grained, chilled margin of diorite and much coarser diorite, which carries a few inclusions of fine grained contact zone rock in first few inches. Further down section the rock is a hybrid, brecciated, medium to coarse grained.									
135	152		Volcanics - grey to green, medium to fine grained, with several narrow, widely spaced quartz veinlets, and stringers throughout section. In several places there are inclusions of diorite (generally of coarser grain and porphyritic) within the volcanics, e.g. at 141'-141.6'; 148' over 4" approximately. At 152' contact zone is altered, some epidote and minor sulphides developed.	151.3'	153.3'	2'	37854	< 0.002	< 0.02			
152	153.6		Coarse, dioritic Hybrid Zone.									
153.6	155.2		Volcanics, similar to section 135'-152', with numerous fine white quartz veinlets.									
155.2	172		Diorite - medium to coarse grained, in places brecciated, and cut by numerous white quartz veinlets, up to 3/8" wide,	170.5'	172'	1.5'	37855	< 0.002	< 0.02			

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CLAIM NAME/No.	<u>MAR</u>
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS	
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton
155.2	172	(cont.)	throughout the section. Brecciated zones show an increase in injected quartz. Towards end of section there are inclusions of grey-green fine grained volcanics, with sparsely disseminated pyrite, e.g. 171'-171.5'.						
172	208	98%	Volcanics - light grey to grey-green in colour, with sparse, finely disseminated pyrite.	195'	197'	2'	37856	<0.002	<0.02
			172.8'-173.5' approximately, brecciated zone with much injected quartz. Throughout the section there are widely spaced narrow veinlets and stringers of white quartz.	205'	207'	2'	37857	<0.002	<0.02
			Section from 187'-190' is vesicular - small, rudely aligned vesicles being filled with a white mineral, quartz or zeolites?.						
			Towards bottom of section there are included sections of diorite, e.g. 197'-198' approximately, and at 199.8'-201.5', and the rock generally assumed a more altered and hybrid appearance.						
			Immediately above the diorite inclusion at 197' there is a bleached, altered zone. A similar bleached zone occurs over about 3" at 206.5'.						
208	246	99%	Diorite - hybrid zone - brecciated with narrow veinlets of quartz.						

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
208	246	(cont.)	No visible sulphides - grades into a fairly fine grained equigranular diorite, similar to earlier sections.	225'	227'	2'	37858	< 0.002	< 0.02			
			At 213.8' is an inclusion of fine grained, grey-green volcanic material, approximately 6" wide which again appears to grade through a fine grained diorite phase to a coarser, hybrid phase of the diorite. Within the section from 208' to about 235' there are numerous veins and stringers of white quartz, and white to yellow/green quartz and carbonate. There is some bleaching along some of the fracture zones and development of small dark "knots" of chlorite?	230.5'	233.5'	3'	37859	< 0.002	< 0.02			
			At 232.5'-233.5' there is an increase in fracturing and veining accompanied by an increase in the sulphide content.									
			From 235'-246' the rock is fine grained diorite with only minor veinlets and hairline fractures.									
246	316	97%	Diorite - coarse grained to very coarse grained. Near the top of the section there are inclusions of altered, chloritic fine grained volcanic? and/or diorite. Numerous quartz veins, generally at about 45° to core axis, e.g. at 247' - ½"; 250.5' - silicified zone over 3"; 251' - altered, chloritic and	251'	252'	1'	37860	< 0.002	< 0.02			

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
246	316	(cont.)	quartz injected zone over 8"; 255.7' - silicified and quartz injected zone over 5½"; 257.5' - 2.5". At 265.5' - ¼" quartz vein; 265.8' - ¼" quartz vein; 266.3' - 3/8" quartz vein - all at about 70° to core axis. At 269' - ¼" quartz vein at 75° to core axis; at 270' - ½" quartz vein at 45° to core axis. At 271' - ½" quartz vein at 45° to core axis; at 272' and at 273' - 3/8" quartz veins at 55° to core axis. From 262'-263.5' approximately a bleached, altered zone in the coarse diorite, approximately 2" wide is at 30° to core axis. Generally only very minor and sparsely disseminated pyrite associated with these zones. At 300.9' - 3" inclusion of fine grained volcanic. At 306' - a 2" wide quartz-chlorite zone at 40° to core axis. Towards the end of the section the diorite is more highly altered, greenish coloured, and sheared.										
				316'	319'	3'	37861	0.022	0.08				
316	327	95%	Sericite Schist - a light buff to greenish very highly altered (sericitized) and sheared rock - probably represents altered Sicker Sediments but may be volcanic. Much of the green colouration is due locally to malachite. Sulphides are much	319'	322'	3'	37862	0.035	0.15				
				322'	325'	3'	37863	0.006	0.05				
				325'	328'	3'	37864	0.17	0.25				
				328'	331'	3'	37865	0.020	0.09				

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HOLE NO. <u>BP 80-1</u>
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO						
316	327	(cont.)	more common and include pyrite, frequently developed as large thin plates on fracture faces, chalcopyrite, and galena. Locally some sections are more siliceous and carry some injected quartz, e.g. 321'-324.8' approximately; 326'-327'.										
327	351	96%	At about 327' the rock is an altered, brecciated, and fairly heavily veined diorite, medium to coarse grained. The top 1½' are bleached and grade in lower sections into darker grey to green altered diorite with much injected quartz. 330'-331' quartz veining. At 332.5' approximately a 2" vein of white quartz is at 20° to core axis and the section 334'-336.2' approximately is 70% white injected quartz along the length of the core. 339'-340' and 344.5'-346' - more quartz veining. Sulphides are minor or absent in the white quartz vein material.										
351	375.5	98%	Volcanic - medium to fine grained grey to grey-green cut by numerous hairline fractures and veinlets filled with white quartz, and occasionally cream coloured carbonate. Lower in the section the rock becomes coarser grained and assumes a										

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au	Ag			
								oz/ton	oz/ton			
351	375.5	(cont.)	more granular texture, in places similar to section logged higher in the hole as diorite. There is no sharp contact. Some of the material logged as diorite may be coarse volcanic.									
375.5	412		<u>Sericite Schist.</u> At about 375'-376' the rock becomes more schistose, lighter coloured due to an increased development of sericite and grades into an altered <u>Sericite Schist</u> (of volcanic origin). Schistosity is at about 40° to core axis.									
			Within this altered section there are variations in texture, degree of alteration and amount of quartz, sulphide content, etc.	384'	386'	2'	37866	< 0.002	0.02			
			Sulphides are extremely fine grained - pyrite mainly, up to 1%-2%, but locally may increase in amount and coarseness and may include some galena.	386'	388'	2'	37867	0.017	0.60			
			388'-390' - Quartz/carbonate vein carrying fairly coarse pyrite, galena, and possible pyrrhotite.	388'	390'	2'	37868	0.010	0.07			
			390'-392' - coarsely brecciated zone within the schist with increased pyrite content but little or no galena.	390'	392'	2'	37869	0.015	0.06			
			392'-394' - coarsely brecciated zone within the schist with increased pyrite content but little or no galena.	392'	394'	2'	37870	0.032	0.14			
			386'-388' - Quartz/carbonate vein carrying fairly coarse pyrite, galena, and possible pyrrhotite.	394'	396'	2'	37871	0.002	0.02			
			396'-398' - coarsely brecciated zone within the schist with increased pyrite content but little or no galena.	396'	398'	2'	37872	0.003	0.07			
			403'-406' - coarsely brecciated zone within the schist with increased pyrite content but little or no galena.	398'	400'	2'	37873	0.007	0.05			
			Sections from 393'-395' and 406'-407.5' carry slightly more malachite.	400'	402'	2'	37874	0.036	0.15			
				402'	404'	2'	37875	0.045	0.28			
				404'	406'	2'	37876	0.021	0.15			
				406'	408'	2'	37877	0.007	0.06			

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DATE LOGGED _____			
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COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
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 ASSAYER \_\_\_\_\_  
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HOLE NO. <u>BP 80-1</u>
CLAIM NAME/No. <u>MAR</u>
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO	Au oz/ton	Ag oz/ton			
412	434	98%	Brecciated Siliceous Zone (Altered Volcanic).  At about 412' the rock becomes more siliceous and less sericitic due to an increase in injected quartz. Rock is light grey/green in colour, due to increased chlorite and/or epidote content associated with the silicification. Sulphide mineralization is very finely disseminated pyrite.									
434	442.5		Sericite-Quartz Schist - light buff to green coloured schist, with numerous very fine hairline fractures filled with white quartz and cream carbonate as well as brecciated sections with much injected quartz. Sulphides become coarser grained and include pyrite, sphalerite, galena, chalcopyrite. The green colouration is due to malachite.	435'	437'	2'	37878	0.009	0.95			
				437'	440'	3'	37879	0.022	0.08			
				440'	442.5'	2.5'	37880	0.024	0.11			
				442.5'	445'	2.5'	37884	0.010	0.02			
				445'	447'	2'	37885	<0.002	0.03			
				447'	450'	3'	37886	<0.002	<0.02			
442.5	491		Brecciated, siliceous altered volcanic - similar to section 412'-434'. Grey coloured, with much brecciation and injected quartz. This rock is harder, more competent than previous section. Sulphides are very finely disseminated pyrite, generally less than 1%, with some minor hematite? in some sections. Section 472'-478' approximately the schistosity is parallel to core axis.	459	461	2'	37883	0.002	0.05			
				461'	464'	3'	37887	0.003	0.07			
				464'	467'	3'	37888	0.002	0.26			
				467'	469'	2'	37889	0.011	0.04			

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HOLE NO.	<u>BP 80-1</u>
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COMMENCED	_____
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
491	501.3		Dacite - intermediate to acid, hard, light grey/green volcanic, medium to fine grained, cut by only minor fracturing and veining at about 496'-497'.									
501.3	527		Brecciated Quartz-Sericite Schist - this section varies from very soft highly sericitic pale green (malachite stained) material to dark grey to black graphitic schist.	511'	513'	2'	37881	0.003	0.03			
			Section 501.3'-512.5' approximately are pale green coloured.	513'	516'	3'	37882	0.014	0.08			
			Section 512.5'-514.5' are dark grey/green, graphitic in part.	516'	518'	2'	37890	0.015	0.06			
			The whole is brecciated in places with included siliceous fragments.	518'	520'	2'	37891	0.002	0.03			
			526.2'-526.8' - white quartz vein with included chloritic volcanic material.	520'	523'	3'	37892	0.004	0.02			
				523'	525'	2'	37893	0.002	0.02			
				525'	527'	2'	37894	0.002	0.02			
527	580	99%	Dacite - acid to intermediate volcanic, essentially similar to earlier section 491'-501.3' but now more brecciated and with more minor quartz veining.									
			Sections 538'-542'; 556'-565.5'; 569.8'-575'; 577'-580' are more strongly brecciated.									
			Section 551'-554.5' are rudely foliated at about 45° to core axis.									

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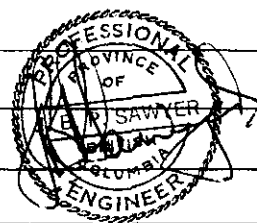
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COLLAR:		HOLE SURVEY	
_____		FOOTAGE	DIP
_____		AZIMUTH	_____
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____		METHOD: _____	

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 PURPOSE OF HOLE \_\_\_\_\_

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CLAIM NAME/No.	<u>MAR</u>
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
527	580	cont.)	Sulphides predominantly pyrite are very minor throughout this section.										
580			End of Hole.										



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# Diamond Drill Record

COLLAR: Black Panther Grid 3+00E 0+30N		HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP	
	Collar	320°	-65°	
ELEVATION	3012' (918 m.) approx.			
LOGGED BY	J.B.P. Sawyer	801'	-67.5°	
DATE LOGGED	Jan. 27-28/81			
MAP REFERENCE NO.	92 F/2	METHOD: Acid Etch		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR Richmond Diamond Drilling Ltd.  
 ASSAYER Bondar-Clegg & Company Ltd.  
 PURPOSE OF HOLE To investigate depth extensions of veins exposed in Adit A, and strike extensions of mineralized zones cut in DDH BP 80-1

HOLE NO.	<u>BP 81-1</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Jan. 13, 1981</u>
FINISHED	<u>Jan. 30, 1981</u>
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
0	40		Overburden, boulders and broken up bedrock predominantly of medium to coarse grained diorite. 40 ft. of NQ casing in hole.										
40	48.5		Diorite - medium to coarse grained with some brecciation and fracturing in which fractures are filled with quartz.  At 47.9' there is a 5" wide band of fine grained, dark grey volcanic.										
48.5	75		<u>Hybrid Zone - diorite/volcanics.</u>  First 8" is fine grained, grey-green volcanics with fine quartz stringers and fracture fillings. At about 49.3' rock grades into coarser diorite hybrid in which feldspars are highly altered.  At 55' is a 1½" vuggy quartz vein with minor included chloritic material.  At 56.5' is a 1" quartz and carbonate vein at 70° to core axis and the 8" immediately below this are brecciated, light grey-green, chloritic, and carry disseminated pyrite.	56'	58'	2'	37895	0.002	0.08				
			At 57.1' is a 4½" quartz/carbonate vein with included pale green chlorite. Very little sulphides in vein.										

*J. B. P. Sawyer, P. Eng.*

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COMPANY NAME IAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
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 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-1</u>
CLAIM NAME/No. <u>MAR</u>
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
48.5	75	(cont.)	Section from about 55'-62' approximately is predominantly fine grained volcanic, darker grey-green colour, with numerous hair-line fractures filled with quartz at random orientation and 4 quartz/carbonate veins from 1/2" to 1" wide. From 59'-60.4' is a coarser inclusion of diorite. Section 62'-75' approximately is finely granular, dark coloured diorite with numerous quartz stringers, etc. as before. At 65.8' - 1/2" quartz stringers.										
75	78.6	97%	<u>Volcanic</u> - medium to light grey, in places siliceous. Brecciated and cut by numerous hairline fractures at random orientation filled with quartz.										
78.6	88.5	98%	<u>Diorite</u> - medium to coarse grained, lighter coloured and altered - feldspars kaolinized as before. Carries very minor disseminated pyrite. Section 79.4'-80' approximately cut by two sets of fractures filled with white quartz - one set at 80° to core axis and a later set at 35° to core axis. Last foot of this section is much more highly altered and grades into hybrid zone. At 87.5' a 1/2" quartz vein at 25° to core axis.										

*J. B. P. Sanger, P. Eng.*

CONSULTING GEOLOGIST



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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
88.5	89.8	100%	Hybrid Zone - diorite volcanic, similar to earlier section 48.5'-75'.										
89.5	104.4	99%	Volcanic - dark grey-green, becomes lighter coloured from about 92'-95', and then reverts to darker colour, more chlorite. Lighter coloured sections are more cherty and cut by dark coloured quartz veinlets.										
104.4	134	99%	Diorite-Hybrid - altered, light coloured. Slightly finer grained than earlier section 78.6'-88.5'. Strongly veined with two sets of quartz filled fractures, as before. At 123.3' - 2" quartz vein at 15° to core axis so forms most of core over about 11". There is minor chloritic material included in the quartz.	123'	125'	2'	37896	0.011	0.02				
			132.5' approximately - more injected quartz at about 20° to core axis forming half the core.										
134	146	98%	Volcanics - grey to dark grey-green andesitic - shot throughout with numerous fine to hairline quartz stringers, and locally with quartz veins up to 3/8" wide, e.g. at 143.8' approximately and at 142.7' approximately.										

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO						
146	150.6	98%	Dacite - lighter coloured, more acid volcanic, carries very minor pyrite.										
150.6	186	98%	Volcanics - darker coloured, very fine grained, as section 134'-146'. Very minor disseminated pyrite. As before, this section is shot through with numerous fine hairline fractures generally at random orientation with some larger quartz veins up to 3/8" thick. Several of these larger veins are themselves fractured, e.g. at 153.3' and at 155.9'. From 159.5'-160' approximately the rock becomes more granular and very slightly coarser grained, assuming in places the appearance of a fine grained diorite, but changes are gradual and there are no sharp contacts. From 164'-175' approximately is a finer grained, more typically volcanic section with 1' of more granular rock from 166'-167' approximately. From 175'-178' approximately the rock again becomes more granular, but the section 174.5'-175' is brecciated and cut by injected quartz along shear planes at about 40° to core axis. 178'-186' - the volcanics become lighter coloured, less granular,										

*J. B. P. Sanyal, P. Eng.*  
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS										
				FROM	TO	WIDTH	NO.	Au	Ag									
150.6	186	(cont.)	perhaps more siliceous, and are very heavily brecciated and cut by numerous quartz stringers, at 30° to 45° to core axis.															
186	197.5	98%	Hybrid Zone - lighter coloured, coarser grained diorite hybrid with locally strong veining of quartz and/or carbonate, e.g. at 188.7' approximately over 7"; at 190' approximately over 4"; at 194' over 3"; and at 196' over 10".	187.5'	191'	3.5'	37898	<0.002	<0.02									
				195.5'	197.5'	2'	37897	0.002	0.02									
197.5	219.2		Volcanics - dark grey, fine grained, in places becoming finely granular. Cut throughout by numerous fine hairline fractures and small veinlets up to ½" wide, filled with quartz. There is a decrease in the intensity of hairline fracturing in the lower 2½' of this section.															
219.2	236.3	99%	Diorite - medium to fine grained. 224'-224.5' approximately there are two or three narrow (½") veins along length of core. Other minor quartz veinlets throughout the section at 35° to 45° to core axis.															

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
236.3	246		Volcanics - dark grey-green to black, fine grained. Some minor quartz veinlets but veining much less than earlier sections.										
246	294.5'	99%	<p><u>Diorite and altered Diorite Hybrid Zone.</u> This section is coarse grained, equigranular, light coloured. Includes some very fine grained, more massive, possibly volcanic? material from 264.8' - 267.8', and 275' - 276.2' approximately.</p> <p>Towards end of the section the rock becomes schistose, finer grained, and less granular, and there is an increase in quartz veinlets, e.g. at 292' approximately there is a 1/4" vein along length of core for 10" approximately, and an increased amount of veining at about 45° to core axis from 293' - 295' approximately.</p> <p>The more schistose material is also more chloritic.</p> <p>At 294.5' - quartz vein 2" wide, at contact with more schistose section.</p>										
294.5	310.5		<p><u>Chlorite-Quartz Schist - Sericite Chlorite Schist</u> - these are highly sheared volcanics, green coloured and strongly chloritic with quartz stringers along schistosity planes.</p> <p>First 4' or 5' are darker coloured and then the rock becomes</p>										

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
294.5	310.5	(cont.)	lighter with a decrease in chlorite and increase in sericite, and									
			locally more injected quartz, e.g. at 299.9' - ½"; at 301.4' -	300.5'	302.5'	2'	37899	0.043	0.21			
			several narrow (¼") veins in brecciated zone; at 302' - 4" quartz	302.5'	305'	2.5'	37900	0.006	0.08			
			vein.	305'	308'	3'	37901	0.003	0.02			
			Section 301.4'-303' is more brecciated.	308'	310'	2'	37904	0.035	0.02			
			At 304.5' - 3" of injected white quartz, with some disseminated	310'	312'	2'	37905	1.40	2.24			
			pyrite.	312'	315'	3'	43151	0.010	0.02			
			There is a gradual transition from Chlorite-Quartz Schist to	315'	318'	3'	43152	<0.002	<0.02			
			Sericite-Chlorite + Quartz Schist reflected by change in colour.	318'	321'	3'	43153	0.008	<0.02			
			There are numerous narrow quartz veinlets throughout the section.	321'	323'	2'	43154	<0.002	0.03			
			more or less parallel to schistosity at about 45°-50° to core axis.	323'	326'	3'	37902	0.041	0.28			
			Pyrite content varies. There is some minor disseminated pyrite	326'	328'	2'	37903	0.006	0.13			
			throughout but the amount generally increases with increased									
			quartz injection. Locally there is a pale green to apple green									
			staining and alteration - chlorite? or malachite?.									
310.5	316.5		Graphitic Chlorite-Quartz Schist. At 310.5' - rock becomes grey									
			to dark grey due to graphite content - amount of injected quartz									
			increases. Section 310.5'-312' approximately is very soft and									
			brecciated. There is an increase in sulphides locally from									

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 CLAIM NAME/No. MAR  
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
310.5	316.5	(cont.)	310'-311.5' approximately.										
				337'	339'	2'	43155	0.006	0.04				
316.5	367'	95%	Chlorite-Sericite-Quartz Schist - light green to grey-green;	339'	341'	2'	43156	0.002	0.09				
			schistosity at 45°-50° to core axis - numerous small knots and	341'	344'	3'	43157	<0.002	0.06				
			inclusions of quartz. Some yellowish carbonate veining, and										
			locally there is some graphite - e.g. 323.5'-326.5' - this section	350'	353'	3'	43158	<0.002	0.04				
			also has an increase in disseminated pyrite.	353'	356'	3'	43159	<0.002	<0.02				
			At 327' - brecciated carbonate filled zone over 3", and some	356'	359'	3'	37906	0.017	0.03				
			graphite.	359'	362'	3'	43160	<0.002	<0.02				
			Section 331'-335' is lighter coloured pale green - sericite schist	362'	365'	3'	43161	<0.002	0.05				
			with some quartz and carbonate stringers and segregations.										
			Other quartz/carbonate veins up to 3/8" wide at about 40° to core										
			axis.										
			Section from 341'-355' approximately is more highly brecciated										
			and has an increased amount of quartz, including some larger										
			(2"-3") inclusions of quartz. Below this, in section 355'-367'										
			the intensity of shearing and brecciation increases, and amount										
			of injected quartz along schistosity planes increases, especially										
			section 362'-367'. Some minor pink colouration of quartz at										
			359.5' - due to hematite.										

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au	Ag				
367	406.5	99%	Hematitic Quartz-Chlorite Schist.					oz/ton	oz/ton				
			There is a change in the attitude of the schistosity at about 367'										
			schistosity now being at low angle - 20° or less - to core axis.										
			The intensity of shearing is also markedly greater as also is										
			the amount of injected quartz.										
			There are distinct hematite rich bands developed parallel to										
			schistosity in this section - giving the rock a darker appearance.										
			Some minor sulphides (pyrite) throughout.										
			Sections 385'-388.5' approximately, 389.5'-392.5', and 394.5'-405.8'										
			are less hematitic - green chlorite quartz schist.										
			Section 405.8'-406.8' is very strongly hematitic, and carries more	414'	417'	3'	43162	0.005	0.04				
			injected quartz.	417'	420'	3'	43163	<0.002	0.02				
				420'	422'	2'	37907	0.027	0.08				
406.5	431	98%	Chlorite-Sericite-Quartz Schist - the first 5' of this section are	422'	424'	2'	43164	0.002	0.07				
			darker coloured due to more dark chlorite.	424'	426'	2'	43165	0.002	0.05				
			The section from 412' approximately on is lighter coloured due to	426.5'	429'	2.5'	37908	0.015	0.05				
			more sericite, lighter coloured chlorite and more quartz - often	429'	431'	2'	37909	0.11	0.20				
			forming grey cherty siliceous zones up to 3" or 4" wide.	431'	434'	3'	43166	0.011	0.03				
			422'-423', and 427'-428' approximately much more strongly	434'	437'	3'	43167	<0.002	<0.02				
			developed pale green chlorite. Locally there are small inclusions	437'	441'	4'	43168	0.009	0.02				

*J. B. P. Langer, P. Eng.*  
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
406.5	431	(cont.)	of hematitic material as small schlieren parallel to schistosity. Sulphides overall in this section are relatively minor.										
431	443.5	99%	Dacitic Volcanic - grey, fine grained volcanic or volcanic tuff. Very small crystals or fragments of dark material in fine grained matrix. Only very minor disseminated pyrite. Rock is cut by a few very fine quartz filled fractures at 40°-45° to core axis.	442'	444'	2'	37910	0.002	0.02				
				444'	447'	3'	37911	0.10	0.14				
				447'	449'	2'	37912	0.007	0.40				
				449'	451'	2'	37913	0.016	0.10				
				451'	453'	2'	37914	<0.002	<0.02				
443.5	457.5	98%	<u>Sericite-Chlorite-Quartz Schist</u> - light coloured with abundant very pale to apple green chlorite. Much injected quartz - essentially similar to earlier section 406.5'-431'. The whole section is highly brecciated.										
457.5	494.8	99%	<u>Hybrid Volcanic</u> - the rock is a grey-green volcanic, in part tuffaceous as section 431'-443.5', but highly brecciated and altered with much injected quartz. Sulphides are relatively minor. Some sections are locally more chloritic, e.g. 472'-481' which includes 1½' from 475.5'-477' which is very intensely brecciated carries abundant apple green chlorite, cream coloured carbonate	476'	478'	2'	37915	0.013	0.02				

*J. B. P. Langar, P. Eng.*



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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
457.5	494.8	(cont.)	vein, and some graphite developed on slip faces. There is a 1.5" quartz vein at 277'.  At 482' there is a 1" quartz vein at 45° to core axis - has sharp contacts.  At 483.3' there is a 3/8" quartz vein at 45° to core axis.  At 484' to 484.4' - brecciated zone with white quartz veining.  Section 485.5'-489' is also brecciated with numerous smaller quartz veins.  Lower part of this section is less chloritic.									
494.8	500.3	99%	<u>Chloritic Tuff</u> - grey to grey-green slightly chloritic tuffaceous volcanic with dark coloured irregular fragments in fine grained chloritic matrix. Section is cut by numerous small quartz veins which carry some pyrite. Minor disseminated pyrite in mass of rock also.									
500.3	505.5	99%	<u>Quartz Sericite Schist</u> - light coloured, grey to pale green, with apple green chlorite, brecciated with much injected quartz, and locally an increase in pyrite content associated with the quartz fragments.	502'	505'	3'	37916	0.002	0.04			

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS	
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton
505.5	521.8	98%	Foliated Quartz-Chlorite Breccia Zone - probably part of a hybridized volcanic section. The rock is composed predominantly of quartz with fine chlorite inclusions along a foliation/schistosity direction which is at about 45° to core axis. The amount of included chloritic material and the coarseness of the rock varies. Some sections are hematitic and these carry much more pyrite in aggregates of fine grains associated with the hematite, e.g. at 511'-512' approximately.						
			At 521.8' there is a soft gouge zone approximately 3" wide.	510'	512'	2'	37917	0.004	0.02
				512'	515'	3'	37918	<0.002	<0.02
				515'	518'	3'	37919	0.003	0.02
				518'	520'	2'	43169	<0.002	0.02
521.8	533.5		Volcanic - medium to fine grained, grey to dark grey-green colour much less intensely sheared than sections immediately above and below. Some fine quartz veinlets and stringers. Section carries minor disseminated sulphides. At the end of this section the rock becomes much more highly sheared and grades into the following schist section.	520'	522'	2'	43170	<0.002	0.02
				522.5'	525.5'	3'	37920	0.041	0.08
533.5	608	99.5%	Chlorite-Quartz-Hematite Schist - essentially similar to earlier section 367'-406.5'. The rock is essentially a continuation of the earlier volcanic						

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				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
533.5	608	(cont.)	sequence but is now much more highly schistose and carries more injected quartz along the schistosity planes. The first 12' carry little or no hematite but the hematite content increases below 544'. Hematite content - in distinct bands parallel to schistosity - is much higher in the sections 551.5'-558'; 566'-568'; 574'-580.5'; 582'-591.5'; and 593.1'-593.5'; 605'-608'.	557'	558'	1'	43171	<0.002	<0.02				
608	653	99.5%	<u>Brecciated, Hematitic, Sheared Volcanics</u> - these rocks are essentially part of the same volcanic sequence above but are characterized by greatly increased hematite content, and less well developed foliation. Quartz veinlets, and fracture fillings, and quartz in breccia zones occur throughout the section, which is chloritic and frequently highly altered with pale green epidote and darker chlorite. Sulphide content overall in this section is minor. Section 631'-638' is almost massive hematite breccia. Section 638'-642' approximately is more chloritic and schistose, with more white quartz stringers and veinlets. Section 642'-651' again less schistose, more brecciated, and with more hematite and epidote.	631.5'	634.5'	3'	37921	<0.002	0.03				

*J. B. P. Sanyal, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY	T.G. Hawkins 653'-801'		
DATE LOGGED	Feb. 12, 1981		
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-1</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS							
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton						
608	653	(cont.)	Section 651'-653' has more chlorite and less hematite. N.B. Hole at 653' as of Jan. 24/81. Drilling suspended due to drill breakdown. Core logged to 653' on Jan. 27-28/81. Drilling resumed on Jan. 29/81. 653'-801' - Logged by T.G. Hawkins Feb. 12, 1981.												
653	655.5		Dark grey silicified quartz-eye dacite.												
655.5	661		Highly sheared, chloritic, epidote, calcite breccia and gouge. 658' - graphitic shear 1", 20° to core axis.	657'	659'	2'	37922	0.003	0.04						
661	669		Grey massive volcanic andesite epidote. 663' - 6" epidote brecciated shear zone. 664'-665' - as above.	659'	661'	2'	37923	0.014	0.02						
669	669.6		Quartz-eye dacite.												
669.6	689		Quartz sericite chlorite epidote schist. Increased hematite down hole. 672'-673.5' - sheared and epidote veined.	672'	673.5'	1.5'	37924	<0.002	<0.02						
689	722		Dark grey andesite volcanic, massive with 1/4" quartz veining												

*J. B. P. Sawyer, P. Eng.*

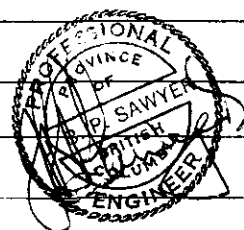
# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-1</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au	Ag			
689	722	(cont.)	at 45° to core axis.									
			704'-707' - epidote flooding to 50%.									
			710'-714' - epidote flooding to 50%.									
722	726		Quartz sericite chlorite schist with quartz epidote veining 20°.									
726	801		Massive andesite. 726'-728' - dark red hematized volcanics.									
			Epidote up to 50%.	738'	740'	2'	43172	<0.002	<0.02			
			786'-793' - increased multidirectional quartz veining and epidote									
			at 45° to core.	788'	791'	3'	43173	0.002	0.02			
			788.5'-789' - pyritic clay gouge with 1/2" vein.	788.5'	789'	0.5'	37925	0.073	0.05			
			797' - epidote hematitic shear zone 1/2".	797'	799.5'	2.5'	43174	<0.002	0.02			
801			End of Hole.									



*J. B. P. Sawyer, P. Eng.*  
 CONSULTING GEOLOGIST

# Diamond Drill Record

COLLAR: Black Panther Grid 3+00E		HOLE SURVEY		
		FOOTAGE	AZIMUTH	DIP
0+30N approx.	Collar			-90°
ELEVATION 3012' (918 m)	195'	-		-90°
LOGGED BY J.B.P. Sawyer	427'	-		-90°
DATE LOGGED Feb. 24-24/81	607'	-		-90°
MAP REFERENCE NO. 92F/2	802'	-		-90°
		METHOD: Acid		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR Richmond Diamond Drilling Ltd.  
 ASSAYER Bondar-Clegg & Co. Ltd.  
 PURPOSE OF HOLE To investigate depth extensions of veins exposed in Adit A, and strike extensions of mineralized zones cut in DDH BP 80-1 & 81-1

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. <u>MAR</u>
COMMENCED <u>Feb. 1/81</u>
FINISHED <u>Feb. 22/81</u>
Extension <u>Mar. 2/81 to Mar. 3/81</u>

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
0	24		Overburden, boulders of grey-green volcanics and fine grained diorite. 24 feet of NQ casing in hole.									
24	25		Bleached, pale green, slightly vesicular volcanic cut by numerous small hairline fractures filled with quartz.									
25	45.5	98%	Diorite fine grained, becoming slightly coarser grained in places. There are short sections, up to 1 foot, of volcanic material included in this section, e.g. 31.5'-32'; 33.5'-34.5'. Numerous veins up to 3/8" filled with quartz at 45° to 80° to core axis.									
45.5	73	99%	Diorite Volcanic Hybrid Zone.									
			First 2½' (45.5'-48') are predominantly volcanic, slightly vesicular and quite highly altered - chloritic, and injected with quartz. Sulphides absent, or very minor in some sections.	54.1'	55'	0.9'	43176	<0.002	0.04			
			54.1'-56.5' - is finer grained, more chloritic and more siliceous and carries disseminated sulphides associated with quartz	55'	55.5'	0.5'	34617	0.035	0.06			
			veining at 85° to core axis. Sulphides oxidized to limonite.	55.5'	56.5'	1'	43177	<0.002	0.02			

*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
73	83		Volcanic - medium to fine grained dark grey-green andesitic cut by several veinlets of carbonate and/or quartz generally at 45°-75° to core axis and by numerous hairline fractures filled with quartz at random orientation. Towards bottom of section the rock becomes more granular and grades into a fine grained diorite phase.										
83	94.5	98%	Diorite? fine to medium grained, equigranular - or may be coarser phase of volcanic. Contact with preceding and succeeding section is gradational. No visible sulphides.										
94.5	102	99%	Volcanics - essentially similar to previous section 73'-83', very minor limonite after sparsely disseminated sulphides.										
102	123	99%	Hybrid Diorite Zone - coarse to very coarse grained, and highly altered and brecciated. Numerous quartz veinlets and quartz filled fracture zones; lesser chlorite development.										
123	137.8	99%	Diorite - medium to fine grained, essentially similar to earlier section 83'-94.5'.										

*J. B. P. Sanyal, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
137.8	141	99%	Tuffaceous Volcanic - slightly schistose with small fragments of black material in green, chloritic and slightly vesicular matrix.										
141	165	99%	Diorite - medium to fine grained, essentially similar to earlier sections 83'-94.5' and 123'-137.8'. Minor quartz veinlets throughout section and only very minor disseminated pyrite. Towards bottom of section rock becomes slightly schistose and grades into the tuffaceous? volcanic section below.										
165	173	98%	Volcanic - slightly sheared along contact and injected with quartz stringers and veinlets at random orientation. Away from contact the rock is fresher and slightly more siliceous - dacite?										
173	177	99%	Diorite - medium to coarse grained, quite strongly altered - kaolinized with fractures healed by later quartz. At 177' there is a fairly sharp contact with a sequence of grey-green volcanic rocks which include tuffaceous members and exhibit numerous changes in texture, and degree of alteration.										

*J. B. P. Sanger, P. Eng.*



# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-2  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.							
177	237	99%	Andesitic Volcanics - to 183' approximately the rock is fairly fine grained, hard compact dark green andesite cut by numerous veins of quartz up to 1/2" wide at 35°-50° to core axis and by many fine quartz filled hairline fractures.											
			At about 183' the rock assumes a slightly more granular, tuffaceous texture and includes small black irregularly shaped fragments. Pyrite in euhedral grains and as irregular aggregates forms up to 2% of the rock in places.											
			At 185.5'-186' the rock is brecciated and injected with quartz.											
			At approximately 191'-198' approximately the rock assumed a more granular but still tuffaceous appearance. Pyrite forms randomly distributed small aggregates throughout the mass of the rock.											
			Small fractures are healed by greenish quartz. The rock also carries fairly coarsely crystalline calcite.											
			At 198' the rock is more finely granular and has a lighter more bleached appearance. The amount of hairline fracturing increases.											
			From 212'-214.5' is a finer grained darker section, similar to the section 177'-183' and at 214.5' is a contact zone marked by											

*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-2  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
177	237	(cont.)	quartz and/or carbonate veins at 45° to core axis over about 5 inches. The rock is bleached along the quartz/carbonate filled fractures. At 214.5' the rock is again more granular and gradually become more highly brecciated and cut by numerous fine hairline fractures filled with quartz some of which show a preferred orientation at 45° to core axis, and other, later fractures having a more random orientation. At about 221' there is a 14" section of vesicular paler green volcanics cut by 1/8" quartz stringers and 20° to core axis. From about 223' the rock is more coarsely granular, and more highly altered and down to 239' approximately is more strongly brecciated, particularly from 235'-239'. At 232' there is a fracture zone parallel to core axis over 10° and at 233.5' a quartz healed shear zone at 20° to core axis over one foot.									
				181'	184'	3'	43178	<0.002	0.03			
				184'	186'	2'	43179	<0.002	0.02			
				186'	189'	3'	43180	<0.002	0.02			
237	241	98%	Hybrid Volcanic Zone. At approximately 237' the brecciated and altered volcanic grades into a hybrid volcanic zone. Numerous quartz filled fracture zones at 90° and at 10°-15° to core axis.									

*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-2</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
241	252.5	99%	Diorite - fine grained diorite with relatively minor fracturing becomes slightly coarser grained with slightly increased quartz stringers. At 249.5' - a 1" quartz vein at 90° to core axis.	248'	250'	2'	43181	< 0.002	< 0.02			
252.5	255.5	100%	Volcanics - contact is marked by quartz veining and some silicification immediately below it. 254.4'-254.7' a vuggy quartz vein preceeded by a brecciated and slightly silicified zone over about 3"-4".	250'	252'	2'	43182	< 0.002	0.03			
				252'	254'	2'	43183	< 0.002	0.03			
				254'	255'	1'	43184	< 0.002	0.02			
				255'	257'	2'	43185	0.012	< 0.02			
				257'	260'	3'	43299	< 0.002	< 0.02			
255.5	260.5	100%	Diorite - essentially similar to section 241'-252.5' - medium to fine grained. This section is cut by four quartz healed fracture zones as follows: at 258.5' over 2"; at 259.8' over 3/4" at 45° to core axis; at 259.5' over 1/2" at 85° to core axis; at 260.5' over 2 1/2" at 60° to core axis. From 260.5'-263.8' approximately the rock is strongly fractured and fracture zones are healed with quartz.									
260.5	263.8		Volcanic/Diorite Hybrid Zone - less granular than previous section.									

*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO						
263.8	266.3	100%	Diorite - medium to coarse grained, altered diorite, slightly brecciated, and cut by numerous quartz filled fractures.										
266.3	275.5	99%	Volcanics - medium to fine grained, silicified volcanic. The rock is pale grey-green coloured with original phenocrysts and textures partially obliterated by silicification. There is little or no fracturing or quartz veining.										
275.5	283	99%	Diorite/Diorite Hybrid Zone - fine grained equigranular texture cut by two sets of quartz healed fractures, as earlier in this drill hole at 45° to core axis and a later set at 20° to core axis. Lower in this section quartz veinlets up to 1/2" wide are at 30°-60° to core axis. At 282' a multiple quartz vein at 50° to core axis with included chloritic material over 1 1/2".										
283	304.5		Coarse grained Diorite - Volcanic Hybrid Zone - much coarser texture than previous section with irregular blebs and patches of white quartz throughout giving a mottled appearance. Minor disseminated pyrite.										

*J. B. P. Sanyal, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-2  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
283	304.5	(cont.)	Within this section are narrow sections of finer grained volcanic material, e.g. at 288'-289.2'; and at 302'-303.4' - a zone of quartz injected and chloritic volcanics.	302'	304.5'	2.5'	43186	<0.002	<0.02			
				304.5'	307'	2.5'	43187	0.002	<0.02			
				307'	310'	3'	43188	<0.002	<0.02			
304.5	314.5		Altered Hybrid Volcanic - highly altered volcanic, chloritized, and in places slightly schistose, and in part sericitic. The whole mass of the rock is extensively veined with small fractures as well as larger veinlets up to 3/8" wide, filled with quartz predominantly at about 45° to core axis. In addition there are numerous other later fractures which have been filled with quartz so that the whole section has a light green brecciated and altered appearance.	310'	313'	3'	43189	<0.002	<0.02			
				313'	314.5'	1.5'	43190	<0.002	<0.02			
			At 307.5' - more strongly brecciated zone over about 3" at 20° to core axis.									
			At 310.2' over about 2' - a similar more strongly brecciated quartz injected zone with several other quartz and/or carbonate veins up to 3/8" wide, with some included chloritic material.									
			At 314' - a parallel brecciated, quartz injected, chloritic zone at 25° to core axis.									

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-2</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
314.5	317		Volcanic - dark green to black, in places slightly vesicular and partly altered. The section is cut by fine quartz stringers, hairline to 1/8" wide, generally at high angle to core axis, down to about 316.5'. Some epidote alteration and bleaching along fractures.										
317	318.7		At 317' - an inclusion of coarse altered diorite along 20° approximately of core.										
318.7	324.5		Volcanic - essentially similar to earlier section 314.5'-317' but now more obviously vesicular and cut by very many more quartz filled hairline fractures and some larger veinlets, generally at 30°-80° to core axis. Disseminated small blebs and subhedral grains of pyrite.										
324.5	328.5		Coarse Altered Diorite, sharp contact with overlying volcanics at 20° to core axis. Many quartz healed fractures. Minor disseminated sulphides.										
328.5	376.7		Volcanics.										

*J. B. P. Sanyal, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-2  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO	Au	Ag				
328.5	376.7	(cont.)	328.5'-336' - rock is quite highly brecciated and veined; the first 6" are vesicular and at 329' there is a light coloured, quartz healed shatter zone, 2" wide, at 50° to core axis. The first 18" of this section carries pyrite in fairly coarse segregations. Up to 332.4' approximately the rock is quite extensively veined with quartz and carbonate filled fractures.										
				328'	331'	3'	43191	<0.002	<0.02				
				331'	333'	2'	43192	0.030	0.06				
				333'	335'	2'	43193	<0.002	<0.02				
			331.2'-332.2' - brecciated section which includes a 3½" quartz vein carrying fairly coarse galena, possible sphalerite, and pyrite.										
			Throughout the rest of this section there are local variations in texture and colour, but overall the rock is a fairly light green coloured, slightly chloritic and altered, medium to finely granular volcanic. It is cut throughout by several fracture zones, most of which are healed by quartz. The stronger fracture zones, up to ½" wide are generally at high angle to core axis - 60°-80° - while the finer hairline fractures, mostly quartz filled but also with some carbonate and epidote in places, are at lower angle to core axis. As in previous sections several different ages of fracturing are evident.										
			At 354' - ½" white quartz vein at 30° to core axis, and the										

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-2</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
328.5	376.7	(cont.)	volcanic immediately below this is slightly more vesicular. Possibly the quartz vein is at a contact between different flows. There is disseminated pyrite throughout the section, frequently in fairly coarse aggregates. From 370.4'-374.8' is much more highly brecciated and broken up and contains large "clots" of lighter coloured carbonate, as well as carbonate and quartz filled veinlets. Sulphides are minor in this more brecciated section.									
				374.5'	376.5'	2'	43194	<0.002	0.02			
				376.5'	377.5'	1'	43195	0.050	0.14			
376.7	386.5		Hybrid Altered Diorite - an 8" quartz vein at contact with over-lying volcanics, contacts at 90° to core axis, carrying fairly coarse pyrite in subhedral grains and irregular aggregates, as well as coarse, though sparse, crystals of galena. Below the quartz vein is a coarse, brecciated, hybrid diorite. It includes quite a lot of light coloured carbonate as well as numerous quartz healed fractures, both at high angle to core axis and in some sections almost parallel to core axis. There are only minor disseminated sulphides in this altered section.	377.5'	379.5'	2'	43196	<0.002	<0.02			
386.5	399.5		Volcanics - similar to previous section 328.5'-376.7' - medium to									

*J. B. P. Sanger, P. Eng.*



# Diamond Drill Record

COLLAR: _____	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
386.5	399.5	(cont.)	finely granular, light grey-green altered volcanic. The first foot is quite strongly brecciated and carries numerous quartz veins. Throughout the section there is fairly strong fracturing, the fractures predominantly at about 45°-60° to core axis, are healed by quartz and/or carbonate. The last 6" of the section are of a darker, slighter vesicular volcanic, - so that as before we may be looking at different parts of separate flows. Sharp contact at 30° to core axis at 399.5' with next section.										
399.5	423.5		Hybrid Diorite - medium to coarse grained, similar to previous section 376.7'-386.5'. The rock has a fairly coarse, obviously altered texture throughout the section and is quite strongly fractured with fractures healed with quartz and/or carbonate. Some fractures at low angle to core axis (25°-35°) filled with carbonate, and some fractures at 10°-15° to core axis filled with quartz. Frequently some of the quartz filled fractures have a dark, chloritic selvedge on each side of the quartz. There are moderate amounts of disseminated sulphides throughout.										
423.5	432.7		Volcanic or Tuffaceous Volcanic, medium to finely granular,										

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-2  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO						
423.5	432.7	(cont.)	similar to earlier sections higher in the hole. The section is cut by numerous quartz veinlets up to 1/4" wide, generally at 45°-65° to core axis.										
432.7	446.8		Hybrid Volcanic-Diorite - much coarser grained, and made up predominantly of volcanic material although it does include some short sections of altered diorite. Numerous fractures throughout generally healed with white quartz, and some inclusions of the earlier light grey-green volcanic material, e.g. at 434.8' - over 9". The whole section is quite strongly chloritic in places and grades towards the end of the section into a lighter coloured, even more highly altered, slightly sericitic phase. The last 2' are more intensely fractured and quartz injected.										
446.8	465		Quartz-Chlorite Sericite Schist - this probably represents one of the main shear and vein zones seen in the Black Panther adit. Over the first 7" the rock is a fairly compact siliceous, chloritic and altered rock which then grades into a highly quartz-injected, brecciated zone over 7"-8", and then into a Quartz-Sericite-Chlorite Schist in which schistosity is at about 40° to core axis.										

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au	Ag				
446.8	465	cont.)	It carries a lot of late injected quartz and/or carbonated, some of it having a bright green colouration due either to chlorite or a green mica(?) such as seen in earlier drill holes in the major vein zones.	446'	449'	3'	43197	<0.002	0.04				
			449'-450.2' - a fairly massive 3" white quartz vein at 30° to core axis associated with coarse pyrite, and possibly some minor galena. The vein includes schistose material and some of the bright green alteration mineral.	449'	452'	3'	43198	0.009	0.04				
			Immediately below this the rock is even more intensely sheared. At 451' - another 3"-4" quartz vein at 30° to core axis with associated sulphide mineralization. This vein more highly broken up than the previous one and throughout the following section there are numerous coarse fragments of quartz resulting from brecciation after injection of quartz.	452'	455'	3'	43199	0.004	0.03				
			At 455' - another 3"-4" quartz vein at 30° to core axis with associated sulphide mineralization. This vein more highly broken up than the previous one and throughout the following section there are numerous coarse fragments of quartz resulting from brecciation after injection of quartz.	455'	458'	3'	43200	0.004	<0.02				
			At 458' - another 3"-4" quartz vein at 30° to core axis with associated sulphide mineralization. This vein more highly broken up than the previous one and throughout the following section there are numerous coarse fragments of quartz resulting from brecciation after injection of quartz.	458'	462'	4'	43201	<0.002	<0.02				
			At 462' - another 3"-4" quartz vein at 30° to core axis with associated sulphide mineralization. This vein more highly broken up than the previous one and throughout the following section there are numerous coarse fragments of quartz resulting from brecciation after injection of quartz.	462'	464'	2'	43202	0.002	<0.02				
			At 464' - another 3"-4" quartz vein at 30° to core axis with associated sulphide mineralization. This vein more highly broken up than the previous one and throughout the following section there are numerous coarse fragments of quartz resulting from brecciation after injection of quartz.	464'	466'	2'	43203	0.056	0.45				
			At 466' - another 3"-4" quartz vein at 30° to core axis with associated sulphide mineralization. This vein more highly broken up than the previous one and throughout the following section there are numerous coarse fragments of quartz resulting from brecciation after injection of quartz.	466'	469'	3'	43204	0.14	0.52				
			At 469' - another 3"-4" quartz vein at 30° to core axis with associated sulphide mineralization. This vein more highly broken up than the previous one and throughout the following section there are numerous coarse fragments of quartz resulting from brecciation after injection of quartz.	469'	472'	3'	43205	0.008	0.02				
			At 472' - another 3"-4" quartz vein at 30° to core axis with associated sulphide mineralization. This vein more highly broken up than the previous one and throughout the following section there are numerous coarse fragments of quartz resulting from brecciation after injection of quartz.										
465	468.3		Quartz Vein - a massive white quartz vein with inclusions of sulphides, and in places of yellowish alteration material, carbonates, etc. The sulphides include pyrite, galena, and possibly sphalerite.										

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-2</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
468.3	469		Quartz Sericite Graphite Schist - over about 9".									
469	472		Altered Hybrid Volcanic Zone - more chloritic, and therefore more green in appearance than the section of altered hybrid volcanics above the vein. The section is cut by several white to cream coloured ½"-1" quartz veins, and very numerous finer quartz veins. Towards the bottom of the section the rock grades into a more massive volcanic.									
472	491.7		Volcanic - dark, grey-green, massive andesitic volcanic with disseminated pyrite locally up to 2%, and cut throughout by numerous hairline fractures healed with white quartz.									
			481.5'-483' - a coarsely brecciated zone healed with white quartz. Fragments in the breccia are of the same volcanic as above. Sulphides are minor in the quartz.	481'	484'	3'	43206	< 0.002	0.03			
			486' - a 2" zone of multiple quartz veins at 45° to core axis. Immediately below this the rock become more massive and slightly vesicular.	484'	487'	3'	43207	0.005	0.02			
			At 489.5' - locally an increase in the amount of disseminated pyrite. As before the volcanic is cut by numerous fine quartz veinlets.									

*J. B. P. Langer, P. Eng.*

CONSULTING GEOLOGIST

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
491.7	494.7		Coarse Hybrid Diorite - essentially similar to earlier sections. Highly broken up and fractured. Fractures healed with quartz.										
494.7	497		Volcanics as previous section 472'-491.7'. At 497' - a 5" sheared chloritic, quartz healed zone at 45° to core axis.										
497	498.5		Coarse Hybrid Diorite - similar to earlier sections 491.7'-494.7, etc.										
498.5	501		Volcanics - slightly less massive and lighter coloured than previous volcanic section, become more granular. 499.6' - a quartz healed shear zone at 45° to core axis and numerous fine white to cream coloured, quartz and/or carbonate filled hairline fractures. This section grades over the next 12" to 18" into a finely equigranular diorite. This rock may be a phase of the volcanics but it is probably a fine grained phase, or chilled margin of diorite. There is no sharp contact between the material which is fairly obviously volcanic and this fine grained diorite so this change at 501' is arbitrary.										

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
501	543.5		Diorite - fine grained, equigranular (see above). The whole section is only moderately fractured. Quartz healed fractures are predominantly at 50°-60° to core axis. Some of the fracture faces are slightly hematitic and/or limonitic around 538' and below.										
543.5	547		Hybrid Diorite, coarse grained and quite badly broken up. From 544'-545' there is a ½" quartz vein at 15° to core axis.										
547	610.5		Volcanic - grey to light grey-green, altered, and cut by very numerous fine, hairline fractures healed with quartz and/or carbonate. There is some bleaching along these fractures, particular some of the larger fractures and veinlets which are up to ½" wide.										
			From approximately 552' is even more highly fractured, with fractures healed with quartz and/or carbonate, and some epidote.										
			At 553.5' - a 6" white quartz vein with little or no sulphides, but includes some green chloritic material.										
			Below this the volcanic is slightly darker coloured, still										

*J. B. P. Sanger, P. Eng.*  
 CONSULTING GEOLOGIST

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
547	610.5	(cont.)	highly fractured - fractures healed with epidote and white to cream quartz and/or CO <sub>3</sub> .										
			556' - strongly altered zone over about 6" with pale green sericite/epidote, and numerous hairline fractures filled with pale green quartz and/or epidote material.										
			559.5' - a 1" zone of multiple quartz veining, accompanied by an increase in pyrite developed on slip faces.										
			571' - 1"-1½" fracture zone with pale green quartz/epidote.										
			575.5'-576.5' - Quartz vein generally along core axis. Immediately above this the volcanic is coarser grained.										
			576.5'-579' - more highly altered and brecciated, and carries at lot of white quartz. Sulphides associated with the quartz.										
			At 579' - a ½" quartz vein at 20° to core axis.										
			585.5' - ¼" white quartz healed fracture along core axis.										
			589.5' - ½" quartz vein at 90° to core axis and a second, narrow quartz vein 2" below it.										
			594' - 1½" wide zone of multiple quartz veining and below this the rock is more granular, and chloritic.										
			603.5' - 2" quartz vein at 90° to core axis and an increase in amount of pyrite associated with it.										

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-2  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
547	610.5	(cont.)	608' - A lighter coloured, bleached, epidote rich zone over 3".										
610.5	647.5		Medium to fine grained Diorite Hybrid phase - coarser grained than previous volcanic section but includes a number of sections of finer, volcanic looking material.										
			Sections of finer grained, dark coloured volcanic material are as follows: 628'-629.5'; 634'-637'.										
			The section is cut by numerous hairline fractures filled with white quartz.										
647.5	671	approx.	Coarse grained Volcanic-Diorite Hybrid - similar to volcanic diorite hybrid section which is above the main vein inter-section higher in the hole.										
			The section as a whole is quite highly broken up and altered, and veined as before, and within it there are different zones of alteration, e.g. 656.1'-658' approximately - band of light coloured, silicified, altered volcanics.										
			At the end of the section the transition back to more normal volcanics is gradual.										

*J. B. P. Sayer, P. Eng.*



# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP81-2</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au	Ag				
671	690	approx.	Volcanics, - medium to fine grained, grey-green.										
			671.8' - 1/2" quartz vein at 35° to core axis.										
			673.5' - 1/2" quartz vein at 35° to core axis but in opposite direction.										
			Some hematitic staining begins to show on slip faces etc. and in some of the quartz veins.										
			The bottom 2.5'-3' of this section are lighter and more highly altered, and chloritic, and much more intensely fractured and cut with innumerable fine, hairline quartz filled stringers.										
				687'	690'	3'	43300	< 0.002	0.06				
690	745	approx.	Quartz Chlorite Sericite Schist - the transition from the previous volcanic section is gradual. Schistosity at 25°-30° to core axis; fairly broken up and the section passes quickly into a Quartz-Sericite-Chlorite Breccia Zone down to 694.4' approximately. Within the brecciated zone are fairly coarse fragments of white injected quartz and fine disseminated pyrite. At 694.4' the rock reverts back to the quartz chlorite sericite schist with variations in degree of brecciation, amount of injected quartz, and chlorite etc. e.g.	690'	693'	3'	43208	0.013	0.05				
				693'	695'	2'	43209	0.016	0.06				
				695'	698'	3'	43301	0.004	0.03				
			At 714.5'-716.5' - an increased amount of injected quartz and										

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
690	745	(cont.)	some segregations of pink, hematite with quartzose material.										
		approx.	Other similar sections are 718.5'-721.5' approximately;										
			723'-731' approximately; 737'-744.5' approximately.										
			The last 6" of the section is a more massive, grey, siliceous volcanic.										
745	756.5		Massive Quartz Breccia Zone - a light grey coloured rock										
			composed predominantly of quartz but carrying also inclusions	745'	747'	2'	43210	< 0.002	0.02				
			of chlorite, etc. There are some finely disseminated sulphides	747'	750'	3'	43211	< 0.002	< 0.02				
			and is itself cut by later white quartz veins.	750'	753'	3'	43212	< 0.002	< 0.02				
			Section 753.5'-755.5' approximately - carries more original	753'	755'	2'	43213	< 0.002	0.03				
			volcanic material, and is thus a siliceous brecciated darker	755'	757'	2'	43214	0.014	0.03				
			coloured phase of the volcanic.										
			The last 4" of the section carry an increased amount of										
			sulphides.										
756.5	764		Dacite? - a massive, grey to grey-green fairly siliceous										
			volcanic. This is similar to some of the material seen										
			towards the bottom of DDH BP 80-1.										

*J. B. P. Sanyal, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN REOSURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-2</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS										
				FROM	TO	WIDTH	NO.	Au	Ag									
764	778	approx.	Quartz-Chlorite- Sericite Breccia Zone - slightly schistose but more brecciated than sheared. Carries fairly large fragments of white injected quartz and irregular clots of epidote and chlorite. The section is very siliceous and carries quite a lot of pale green chlorite.															
			772'-774' - a yellow to white quartz healed 1/2" fracture zone along the length of the core.															
			Sulphides within the section are relatively minor, predominantly pyrite.															
778	789	approx.	Dacite - massive, grey volcanic, essentially similar to previous section 756.5'-764'. An increase in the amount of pyrite, along fracture planes. Becomes slightly less massive and more chloritic towards the end of the section.															
			At 782'-783.5' there is an increase in the amount of quartz veining with several 3/8" quartz veins at 20°-25° to core axis.															
789	796.5		Quartz Chlorite Sericite Breccia Zone - slightly schistose with schistosity at about 35° to core axis.															
			At 789.4' within a white quartz section there is some finely															

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY <u>G. Hawkins 801.5'-838'</u>			
DATE LOGGED <u>March 11, 1981</u>			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-2  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS		
				FROM	TO	WIDTH	NO	Au	Ag	Cu%
789	796.5	(cont.)	disseminated galena, and possible sphalerite, in addition to pyrite.	788.5'	790.5'	2'	43217	0.012	0.08	
			Becomes slightly more siliceous with more white injected quartz further down the section.	790.5'	793'	2.5'	43218	0.027	0.07	
			At 795.5' approximately - bright green chlorite? or mica?	793'	796'	3'	43219	0.026	0.05	
			on a fracture face in a quartz rich zone - similar to the green alteration seen earlier in this and previous drill holes.	796'	798'	2'	43220	0.029	0.12	
				798'	800'	2'	43302	0.005	0.06	
				800'	802'	2'	43303	0.003	<0.02	
				802'	804'	2'	43287	<0.002	<0.02	<0.01
796.5	801.5		Chlorite-Quartz Schist - darker coloured, possibly has some graphite towards end of the section. This section is now more schistose and broken up, softer, less siliceous, although there is still much quartz in veins parallel to core axis from 797.4' for about 10° and at random orientation below this.							
801.5	805		Extreme brecciation and shattering in serpentinized mafic volcanic.							
			Fault zone.							
805	838		Fine to medium grained massive mafic andesite volcanic with							

*J. B. P. Sanger, P. Eng.*

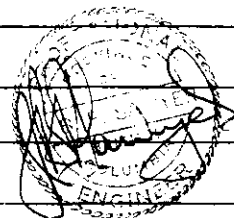
# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-2</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS		
				FROM	TO	WIDTH	NO	Au oz/ton	Ag oz/ton	Cu %
805	838	(cont.)	moderate shearing and veining.							
			Chloritic shears at 45° and 20° to 808.5'.							
			809' - ½" chlorite quartz carbonate vein at 10°.							
			821' - increased shearing with 1" quartz carbonate vein at 821'.							
			Carbonate is dissolved and hematite has been deposited along the slippage plane suggesting groundwater movement along the fault zone.							
			822.5' - shearing again increasing in highly broken and shattered zone to 831'.	824'	826'	2'	43288	< 0.002	< 0.02	< 0.01
			The shear is at 20° and in the most altered section contain serpentine, and quartz carbonate with fractured pyrite.							
			831'-833' - decreased brecciation with 1" spaced multidirectional chloritic shears.							
			833'-838' - massive andesitic volcanic with fine widely spaced quartz stringers at 80° and occasionally at 5°.							
838			End of hole.							



*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR: Black Panther Grid	HOLE SURVEY		
3+00E	FOOTAGE	AZIMUTH	DIP
0+30N approx.	0	240°	-65°
ELEVATION 3012 '(918 m)	176	240°	-69°
LOGGED BY G. Hawkins	330	240°	-69°
DATE LOGGED March 10, 1981	507	240°	-69°
MAP REFERENCE NO. 92 F/2	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR Richmond Diamond Drilling Ltd.  
 ASSAYER Bondar-Clegg & Co. Ltd.  
 PURPOSE OF HOLE To investigate depth extensions of veins exposed in Adit A, and strike extensions of mineralized zones cut in DDH BP 80-1,81-1,&81-2

HOLE NO. <u>BP 81-3</u>
CLAIM NAME/No. <u>MAR</u>
COMMENCED <u>Feb. 24/81</u>
FINISHED <u>Mar. 1/81</u>
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS	
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton
0	42	1%	Overburden - hybrid diorite pebbles.						
42	221		Hybrid volcanics intermixed diabasic and dioritic phases with multidirectional veining, chloritic shears.						
			(1) - white quartz chlorite veins at 50° to core axis, 1/2"-1/2".						
			(2) - Cream quartz epidote veins at 45° to core axis, and 90° to white veins 1/2"-1/2".						
			(3) - 1"-2" cream quartz epidote veins at 10°-15° to core axis.						
			42'-43' - fine grained black diabase with type (2) and (3) veining.						
			43'-48' - medium to coarse grained diorite.						
			43.5' - type (1) vein.						
			48'-49.5' - fine grained diabase phase with disseminated pyrite.	48'	50'	2'	43175	0.009	0.03
			49'-49.5' - rusty quartz zone at 90° with PbS and pyrite.						
			49.5'-50' - coarse grained diorite.						
			50'-57.5' - fine grained diabase with multidirectional (1) (2) & (3) veining at the upper contact.						
			57.5'-72' - medium grained dioritic phase with (1) and (2) veining.						
			64'-66' - 1" quartz chlorite veing along core axis.						

*J. B. P. Sayer, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-3  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS	
				FROM	TO	WIDTH	NO	Au oz/ton	Ag oz/ton
42	221(cont.)		67.2' - 2" (1) vein.						
			72'-76' - fine grained phase. Minor pyrite at 72.5'.						
			76'-82' - coarse grained diorite with multidirectional fracturing.						
			77' - 1/2" cream coloured quartz vein at 80° to core axis cut by bull quartz stringer.						
			79' - 1/2" quartz epidote vein at 45° in 2" fine grained remnant.						
			82'-86.5' - fine grained diabase phase with (1) and (2) veining.						
			84'-85.5' - increased (2) veining 1/2" with slight increase in grain size.						
			86.5'-101' - coarse grained phase with chlorite clots and chloritic shears along the core axis. Some shears carry limonite staining.	96'	97.5'	1.5'	43221	<0.002	0.04
			97'-98' - fine grained remnant.	100'	101'	1'	43222	Sample lost at lab.	
			101'-103.5' - fine grained diabase.						
			Minor (1) veining.						
			107.5'-110' - increased shearing and veining in coarse grained dioritic phase.						
			110'-114' - predominance of close spaced hairline fracturing and veining with brecciation at 35° to core axis.						
			116.5'-119' - as above.						

*J. B. P. Sanyal, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-3  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO	Au oz/ton	Ag oz/ton				
42	221(cont.)		133'-136' - predominance of 1/4" (2) veining with minor (1).										
			138'-141'- multidirectional (1) (2) and (3) veining.	135.5'	138.5'	3'	43223	<0.002	0.03				
			139' - 6" calcite vein with MoS <sub>2</sub> .										
			147'-156' - medium-coarse grained diorite with minor veining.										
			149'-150' - quartz flooding with 1/4" rusty shear vein at 50°.										
			154' - 6" quartz flood zone.										
			156'-160' - medium grained dioritic phase with minor veining at 45° (1) and (2).										
			Contacts are at 45° and vein controlled.										
			160'-166' - fine grained fault - hairline vein.										
			Breccia zone along core axis.										
			166'-172' - medium to coarse grained diorite with minor fine grained remnants.										
			177'-179' and 182'-183' - porphyroblastic tuffaceous dacite contacts of latter at 30° to core axis with hematitic veining.										
			189.5'-189.5' - increased fracturing and ground core including 8" calcite vein at 45°.										
			192'-205' - medium to fine grained porphyroblastic sections and multidirectional moderate veining. The lower contact has a 1" quartz carbonate chlorite vein at 15°.										

*J. B. P. Sawyer, P. Eng.*



# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-3</u>
CLAIM NAME / No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS	
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton
42	221(cont.)		205'-221' - medium to very minor coarse grained chlorite and minor fracturing and (1) and (2) veining.						
221	260	100%	Massive coarse grained diorite quartz carbonate, epidote veining at 80°, 1/8"-1/2" in width. 222'-223' - increased coarse veining.						
260	301	90%	Major fault contact zone with intermixed diorite and porphyroblastic dacite. The fracturing is multidirectional and slippage produces large gouge sections. All contacts and shears are low angle, i.e. 10°. Hairline quartz carbonate pyrite (trace Pbs). Fractures are at 10°. 1"-2" quartz carbonate limonite veins are at 80° and 45°. Pyrite is up to 1% in gouge, breccia zones.						
			265' - 1" quartz carbonate limonite vein at 45°.	264'	267'	3'	43224	Sample lost at lab.	
			268'-272.5' - highly broken core including low angle chlorite, pyrite micro shears, high angle quartz veins including a 2" quartz vein at 85° at 272' in bleached diorite host.	267'	270'	3'	43225	0.004	0.04
				270'	273'	3'	43251	0.007	0.03

*J. R. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN R SOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-3</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS	
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton
260	301(cont.)		272.5'-273'5' - 4" of bleached porphyroblastic dacite.						
			273.5'-275' - 6" of highly fractured diorite with low angle (10°) contacts, the low contact being a 1/2" quartz carbonate pyrite (trace PbS) vein.	273'	275'	2'	43252	<0.002	0.02
			275'-277' - 6" massive bleached and silicified porphyblastic dacite.	275'	277'	2'	43253	0.010	0.05
			277'-300' - low angle 10° chloritic shearing and brecciation in diorite.						
			283' - 1" quartz carbonate (pyrite) vein at 10°.						
			292.5' - 1.5" quartz carbonate pyrite vein at 80°.	291.5'	294.5'	3'	43254	0.016	0.02
			293'-297' - 0°-10° quartz veining and shearing.	294.5'	297'	2.5'	43255	0.006	0.03
			299'-301' - as above.						
301	313		Massive diorite with occasional veining at 35°.						
			311'-313' - increased veining and shearing at 10°-45° with 2" calcite vein at 85° at contact.	314.5'	317'	2.5'	43305	<0.002	<0.02
				317'	319.5'	2.5'	43306	<0.002	<0.02
313	361.5		Highly sheared and veined schistose dacite, abundant quartz carbonate epidote and variable pyrite content from 80° to 10°.	319.5'	322'	2.5'	43307	0.002	0.02
				322'	325'	3'	43308	<0.002	<0.02
			313'-329' - angle of schistosity 30°.	325'	327.5'	2.5'	43309	<0.002	<0.02

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

MOLE NO. <u>BP 81-3</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
313	361.5	(cont.)	316.5'-318' - highly siliceous light green zone.										
			328'-331' - rusty fault gouge at 30° with pyrite.	327.5'	330.5'	3'	43256	0.20	0.11				
			331'-338' - predominant schistosity at 80° with more variable mineralogy and quartz vein clots; 2" quartz carbonate epidote	330.5'	333'	3'	43310	<0.002	0.18				
			pyrite vein at 80° at 335' and 336' with increased pyrite veinlets.	333'	335'	2'	43311	0.002	0.08				
			338'-345' - intense silicification and bright green mineral and green epidote veining with schistosity at 10°.	335'	338'	3'	43257	0.007	0.05				
			339'-341' - trace pyrite, pbs. in irregular quartz veins.	338'	341'	3'	43258	0.007	0.07				
			345'-361.5' - schistosity steepens to mixed 45°-80° with occasional ½"-¾" quartz vein, epidote bright green mineral and chlorite are abundant.	341'	344'	3'	43259	0.010	0.02				
			357' - dark grey sulphide gouge. Shear ¼" at 20°.	344'	347'	3'	43260	<0.002	0.05				
361.5	371.5	100%	Massive grey porphyroblastic dacite with minor veining. Upper contact at 45°.										
			Lower contact at 5° including highly siliceous vein over 3".										
371.5	420.5		Variable schistosity brecciation and veining in sheared dacite into relatively consistent schistosity at 20°.										

*J. H. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME IAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-3</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au	Ag			
371.5	420.5	(cont.)	Mineralogy in 313'-361.5' but schistosity not as consistent.					oz/ton	oz/ton			
			402'-404' - quartz epidote bright green mineral.									
			Micro veining at 5° with pyrite including 2" quartz carbonate pyrite vein shear at 393'.									
			393'-395' - 2"x2" quartz carbonate multi stage veins at 5° with pyrite.	401'	403.5'	2.5'	43261	<0.002	<0.02			
			387'-388' - quartz carbonate pyrite shear vein 2" at 10°.									
			Increased quartz veining and pyrite at 409'-411' and 414.5'-418.5'.	409'	411'	2'	43262	<0.002	<0.02			
				414.5'	418.5'	3.5'	43263	0.005	0.02			
				418.5'	420.5'	2.5'	43312	<0.002	0.12			
420.5	437	90%	Major fault zone with 70% gouge and breccia fragments.	420.5	423.5	3'	43264	0.013	0.03			
			2"-4" black pyritic gouge and quartz veining at 45° at 423.5' and 425'-427'.	423.5	426.5	3'	43265	0.018	0.02			
				426.5	429.5	3'	43266	0.019	0.04			
				429.5	432.5	3'	43267	0.005	0.03			
437	444		Dacite schistose to more massive down section.	432.5	435.5	3'	43268	0.012	0.03			
			Broken and sheared core with quartz veining.	435.5	438.5	3'	43269	0.005	0.02			
			440.5'-442' - gneissic diorite with 1/2" quartz vein at 10°.									
444	450		Gneissic diorite with minor quartz veining.									

*J. R. P. Janyar, P. Eng.*

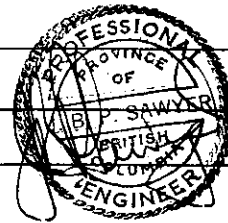
# Diamond Drill Record

COLLAR: _____	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO <u>BP 81-3</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton					
450	507		Massive to highly serpentized ultrabasic in diorite contact zone. 450'-467' - fine micro fracturing and moderate serpentization. 467'-483' - increased serpentine in shatter zone with 90% from 475'-483'.											
			469'-471' - fault breccia at 5°.	480'	483'	3'	43313	< 0.002	< 0.02					
			483'-488' - silica flooding and quartz veining at 5° and 75°.	483'	487'	4'	43270	0.016	0.04					
			Fault gouge at 45° from 488'-485', pyrite and pbs.	487'	490'	3'	43314	< 0.002	< 0.02					
			488'-497' - massive diabase with moderate hairline veins and ½" veins at 496' and 494.5'.											
			504'-506' - increased serpentization.											
507			End of hole.											



*J. B. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR: Black Panther Grid	HOLE SURVEY		
3+00E	FOOTAGE	AZIMUTH	DIP
0+30N	0	90°	-10°
ELEVATION 3012' (918 m) approx.			
LOGGED BY G. Hawkins			
DATE LOGGED March 11, 1981			
MAP REFERENCE NO. 92 F/2		METHOD:	

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR Richmond Diamond Drilling Ltd.  
 ASSAYER Bondar-Clegg & Co. Ltd.  
 PURPOSE OF HOLE To explore for possible new veins, to east of known veins.

HOLE NO. <u>BP 81-4</u>
CLAIM NAME/No. <u>MAR</u>
COMMENCED <u>Mar. 5/81</u>
FINISHED <u>Mar. 10/81</u>
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.						
0	18.5		Overburden, mixed fine to medium grained hybrid volcanics.										
18.5	206		Mixed hybrid volcanics diabasic to dioritic to ultramafic from aphanitic to coarse grained.										
			Bull quartz, quartz epidote veining is moderate to minor and is at 45° and 90° predominantly and rarely is along the core axis.										
			Zones of silicification are accompanied by epidote and can contain appreciable iron sulphides.										
			Very minor dioritic intrusives.										
			Siliceous, pyritic contacts.										
			18.5'-23' - fine grained grey-green diabasic volcanics.										
			21'-23' - quartz epidote veining at 45° with increased pyrite up to 2%.										
			23'-31' - medium grained grey-green dioritic phase with set of minor hairline veins at 45° and 90°.										
			31'-41' - coarse grained dioritic phase with one each 1/2" quartz vein at 45° and 90° and minor hairline veins at 45°.										
			39.5'-40' - porphyroblastic dacite with shatter veins and silicification.										

*J. R. P. Leaper, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. BP 81-4  
 CLAIM NAME/No. \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
18.5	206	(cont.)	41'-45' - fine grained silicified zone with increased bull quartz veining predominant at 45°.										
			45'-47.5' - gneissic fractured, coarse to medium grained dioritic phase.										
			Upper contact at 45°.										
			Minor pyrite and trace chalcopryrite.										
			47.5'-62' - fine grained diabasic phase. Increased chloritic shearing and multidirectional hairline fractures. Minor 1/4" quartz veins at 10° including a 3" vein at lower contact at 60°	61'	62'	1'	43271	<0.002	<0.02				
			61'-62'.										
			62'-66' - poikilitic textured coarse grained diorite phase with micro fracturing along 45° plane with cleavage at 45°-10°-45° along the core. 1" quartz carbonate vein at 68.5' at 20°.										
			71'-81' - mafic diorite phase with quartz veining at 45° and traces of chalcopryrite grading into predominantly fine grained phase. Hairline veining and minor schistosity is maintained at 10°.										
			81'-87' - dark grey-green diabasic phase with schistose micro fractures at 45° grading into multidirectional quartz and quartz epidote veining in contact with diorite intrusive.										

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-4</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
18.5	206	(cont.)	85' - 1" quartz carbonate vein at 55°.										
			87'-95' - mixed hybrid and intrusive diorite phases from coarse to medium grained representing contact zone.										
			95'-113' - predominantly medium grained mafic dioritic phase with minor coarse and fine grained remnants.										
			Quartz and quartz epidote veining is moderate.										
			110'-111' - vugs in multidirectional micro fractures caused by dissolution of carbonate.										
			113'-129.5' - coarse grained mafic dioritic phase, veining is moderate.										
			115'-116' - increased quartz - quartz epidote veins along core axis.										
			125'-126' - quartz epidote flooding at 85°.	125'	126'	1'	43272	0.005	0.02				
			129.5'-134' - dark massive diabase phase quartz, quartz epidote veining at 20° and 60°.										
			134'-153' - coarse grained dioritic phase with predominant moderate quartz - quartz epidote veing at 45° up to 1". Occasional slickenside shear face also coated with epidote.										
			153'-163.5' - grey massive aphanitic diabasic phase. Veining is moderate, predominantly 45°.										

*J. B. P. Sanger, P. Eng.*



# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-4</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
18.5	206	(cont.)	153'-154' - is quartz carbonate epidote vein with silicification into wall rocks. Pyrite increases and trace chalcopyrite is found in quartz veins.	153'	155'	2'	43273	<0.002	<0.02				
			163.5'-166' - massive intrusive diabase dyke with two minor quartz veins at 60°.										
			166'-190' - aphanitic (1') grading into coarse grained hybrid diorite of contact zone.										
			The core is relatively massive and minor quartz - quartz epidote veining is at 45°-50°.										
			Minor pyrite adjacent to the quartz veins.										
			184'-190' - finer grained with ultramafics from 185.5'-186.5'.										
			187'-188' - contact zone with increased silicification and veining.										
			190'-202' - intrusive massive medium grained mafic diorite.										
			202'-206' - fractured and multidirectional veined hybrid volcanic.										
206	265	95%	Predominantly intrusive massive intrusions, grained andesite with increased fractures and fine grained contacts; bleaching, silicification increased veining and pyrite accompany contact zones.										
			211'-212' - epidote/quartz veining is accompanied by increased										

*J. B. P. Sanger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. <u>BP 81-4</u>
CLAIM NAME/No. _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS		
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton	Cu %
206	265	(cont.)	pyrite. Contact at 50°:							
			218'-222' - coarse grained mafic hybrid diorite; fracture at 10°-45°.							
			225'-228' - coarse dioritic phase with pyrite contacts and fine grained remnants.							
			230'-231' - quartz epidote chlorite veining at 15° with pyrite and trace chalcopyrite.							
			234.5'-235.5' - 3" quartz epidote, chlorite pyrite vein at 45°.	234.5'	235.5'	1'	43274	<0.002	<0.02	
			236' - 1" quartz chlorite carbonate, epidote vein.							
			242.5'-244.5' - coarse grained hybrid remnant with lower 45° shear contact and 4" quartz vein contact.	243.5'	244.5'	1'	43275	<0.002	<0.02	
265	284		Coarse grained mafic to ultramafic hybrid zone.							
			266'-267' - epidote flooding bounded by two ½" quartz chlorite veins at 50°.	273'	275'	2'	43276	<0.002	<0.02	0.02
			270'-271.5' - massive andesite.	275'	277'	2'	43277	<0.002	<0.02	0.01
			271.5'-273' - fine grained remnant silicified epidotized and increased pyrite.	277'	279'	2'	43278	<0.002	<0.02	0.01
			273'-284' - coarse ultramafic with 1% to 2% pyrite and trace chalcopyrite(?).	279'	281'	2'	43279	<0.002	<0.02	0.02
				281'	283'	2'	43280	<0.002	<0.02	0.02

*J. B. P. Jaeger, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-4</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS		
				FROM	TO	WIDTH	NO	Au oz/ton	Ag oz/ton	Cu %
284	289		Intrusive coarse diorite. Minor quartz veining at 20°.							
289	330		Fine grained andesitic column with moderate hairline quartz epidote fractures with pyrite and trace chalcopyrite.	294'	296.5	2.5'	43281	0.002	0.04	0.29
				307'	309'	2'	43282	<0.002	<0.02	0.06
330	371		Mixed fine grained andesitic volcanic and coarse hybrid in contact zone. Epidote quartz stringers moderate with accompanying pyrite. Contacts are irregular as block of remnant hybrid metavolcanics. 351'-371' - increased percentage of andesite and medium grained intrusive. 370'-371' - quartz epidote vein at 50°.	309'	311'	2'	43283	<0.002	<0.02	0.14
				370'	371'	1'	43284	<0.002	<0.02	<0.01
371	391		Coarse hybrid diorite volcanic. Fracturing minor.							
391	404		Fine to medium grained andesitic intrusive. Widely spaced hairline quartz vein at 30° with pyrite.							

*J. B. P. Sanger, P. Eng.*

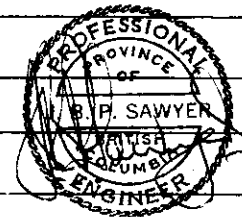
# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME BLACK PANTHER  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>BP 81-4</u>
CLAIM NAME/No.	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS		
				FROM	TO	WIDTH	NO	Au oz/ton	Ag oz/ton	Cu %
404	504		Intermixed fine and coarse grained mafic hybrid volcanics.							
			Sulphide veining, fracturing and as is minimal.							
			404'-415' - predominantly coarse dioritic phase.							
			415'-501' - evenly intermixed coarse and fine grained phase with relatively consistent 45°-60° contacts; veining is minimal with predominance of epidote.							
			425'-429.5' - silicified quartz epidote zone with pyrite at 20°.	426.5'	429.5'	3'	43285	<0.002	<0.02	0.19
			496' - 1" quartz chloride at 30°.							
			497'-498' - silicification and epidote.							
			500' - 3" quartz vein at 30° with carbonate core.	501'	502'	1'	43286	<0.002	0.03	0.02
504			End of hole.							



*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR: Section 10N 100 ft. (30.48 m) west of Vein outcrop		HOLE SURVEY		
		FOOTAGE	AZIMUTH	DIP
ELEVATION 1392 metres approx.		Collar	083°	-50°
LOGGED BY J.B.P. Sawyer				
DATE LOGGED Nov. 13/80				
MAP REFERENCE NO. 92 F/2		METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME HIGH GRADE VEIN  
 DRILLING CONTRACTOR Richmond Diamond Drilling Ltd.  
 ASSAYER Bondar-Clegg & Co. Ltd.  
 PURPOSE OF HOLE To test depth extension of surface vein

HOLE NO.	<u>HG 80-1</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Oct. 30th, 1980</u>
FINISHED	<u>Nov. 2nd, 1980</u>
PROJECT NO.	

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO	Au oz/ton	Ag oz/ton				
0	5		Overburden. feet casing in hole.										
5	11		Andesite - grey to grey-green volcanic rock, with limonite on fracture surfaces, fairly well broken up. Many fine yellow to white carbonate veinlets at random orientation. At 5.5' a stronger 1/2" carbonate vein is at 50° to core axis. Minor disseminated sulphides in mass of the rock.										
			At 8.5' a 2" brecciated quartz-carbonate vein is at approximately 50° to core axis.	8'	11'	3'	21076	< 0.002	0.02				
11	186	96%	Massive Intermediate Volcanic - lighter coloured, locally more acid than previous section but essentially similar.										
			At 11'-12.5' - brecciated zone with numerous fine, yellowish carbonate stringers. At 11.4' a rusty, and brown weathering 2" carbonate vein.	11'	13'	2'	21077	0.003	0.02				
			At 12.4' - 1/2" carbonate vein at 85° to core axis.										
			13'-16' - another broken up, oxidized brecciated zone with strong quartz vein at 15' over 4".	13'	16'	3'	21078	< 0.002	0.04				
			At about 16' the oxidized, broken up surface zone ends and the rock becomes more massive but is still cut by very many	16'	18'	2'	21079	0.002	0.03				

*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR: _____	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME HIGH GRADE VEIN  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO	<u>HG 80-1</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Oct. 30th, 1980</u>
FINISHED	<u>Nov. 2nd, 1980</u>
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
11	186	(cont.)	fine stringers and veinlets of quartz and yellow coloured carbonate. The carbonate filled veins and fractures are later than the quartz veinlets.	18'	20'	2'	21080	<0.002	0.02				
			Sulphides occur disseminated through the mass of the rock and locally in small aggregates associated with quartz veinlets - include pyrite, chalcopyrite and some minor pyrrhotite?	22'	24'	2'	21081	0.007	0.03				
			These intermediate grey-green, massive volcanics continue through to the end of the hole with local variations in colour and/or texture resulting from more or less chloritic alteration, frequency of veining, etc. Sulphide content also varies.										
			30.1'-30.8' - finer grained, more tuffaceous band, with fewer veinlets and stringers of quartz/carbonate. Other sections in which frequency of veinlets is lower are 52'-58'; 62'-66'; 179.5'-181'; 191'-194'; 220'-225'; 240'-244.5'.	32'	34'	2'	21082	<0.002	0.02				
			At 49' - a 3/4" carbonate vein at 40° to core axis but in opposite sense to most of the stringers and veinlets.										
			The section 21.5'-42' is very strongly veined by many quartz stringers and small scale quartz breccia zones and by later carbonate veinlets and hairline fracture fillings.	59'	62'	3'	21083	0.005	0.02				
			66'-69' - the volcanic is vesicular with numerous vesicles filled										

*J. B. P. Sayer, P. Eng.*  
CONSULTING GEOLOGIST

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME HIGH GRADE VEIN  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>HG 80-1</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Oct. 30th, 1980</u>
FINISHED	<u>Nov. 2nd, 1980</u>
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
11	186	cont.)	with white quartz and/or carbonates. This section is also cut by numerous later yellow carbonate veinlets. Within this vesicular section and continuing down to approximately 71' there is some hematite developed also.	70'	72'	2'	21084	0.004	0.02			
			In section 75'-76.5' - there are three quartz/carbonate veins, 1/2" to 3/8" thick, at from 30° to 65° to core axis. Other narrow quartz carbonate veins occur at 79', and at 80'.	74'	77'	3'	21085	<0.002	0.03			
			From 89'-91.2' is a brecciated zone with two 1/2" to 1/2" carbonate veins at 60° and at 35° to core axis, as well as numerous fine stringers and veinlets. At 91' the fracture faces are heavily coated with bright orange limonite. Other veins of quartz and/or carbonate are 99.6' - followed by a zone of broken rusty core; at 106' - 1/2" vein at 70° to core axis; at 128' - 1.5" rusty carbonate vein - followed by a 1' zone in which the fractures are strongly coated with limonite; and at 129.4' a vuggy quartz carbonate vein over 3" in a brecciated zone of numerous white quartz blebs, and veins which extends to 129.9'.	89'	92'	3'	21086	0.003	0.04			
				99'	101'	2'	21087	0.007	0.04			
				105.5'	106.5'	1'	21088	<0.002	0.02			
				121'	124'	3'	43289	<0.002	<0.02			
				124'	126'	2'	43290	<0.002	<0.02			
				126'	128.5'	2.5'	21089	0.43	0.27			
				128.5'	131'	2.5'	43291	<0.002	0.09			
				131'	133'	2'	43292	0.005	0.13			
				142'	143.5'	1.5'	21090	<0.002	0.03			
				143.5'	144.5'	1'	21091	<0.002	0.02			
			At 167.7' - two 1/2" quartz veins in a more intensely veined section.									

*J. B. P. Sanger, P. Eng.*

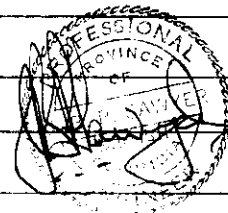
# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME HIGH GRADE VEIN  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. HG 80-1  
 CLAIM NAME/No. MAR  
 COMMENCED Oct. 30th, 1980  
 FINISHED Nov. 2nd, 1980  
 PROJECT NO. \_\_\_\_\_

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au	Ag				
186	194.5	98%	The section from 186'-194.5' is darker coloured and lightly vesicular basalt. Relatively little fracturing and veining.	144.5'	146'	1.5'	21092	0.002	0.02				
194.5	251	99%	Massive intermediate, andesitic volcanic as previous section 11'-186'.	166'	169'	3'	21093	0.002	0.03				
			From 194.5' over about 14" the volcanic is more brecciated and has epidote as well as quartz and carbonate.	194.5'	196'	1.5'	21094	0.002	0.02				
			Section from 210'-212.4', 216'-218' approximately is vesicular.										
			221.2'-221.8' - epidote quartz carbonate vein - 3/4" wide and fractured, is sub-parallel to core axis.										
			229'-232' - epidote-quartz carbonate brecciated vein at 20° to core axis.										
			At 236.5' - 1/2" quartz vein at 70° to core axis - also at 238'.										
			244'-246' - increase in number of fine white quartz stringers and veinlets.										
251			End of Hole.										



*J. B. P. Sanger, P. Eng.*



# Diamond Drill Record

COLLAR: Section 10N 100 ft. (30.48 m) west of Vein outcrop		HOLE SURVEY	
	FOOTAGE	AZIMUTH	DIP
	Collar	083°	-70°
ELEVATION <u>1392 metres approx.</u>			
LOGGED BY <u>J.B.P. Sawyer</u>			
DATE LOGGED <u>Nov. 13/80</u>			
MAP REFERENCE NO. <u>92 F/2</u>		METHOD:	

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME HIGH GRADE VEIN  
 DRILLING CONTRACTOR Richmond Diamond Drilling Ltd.  
 ASSAYER Bondar-Clegg & Co. Ltd.  
 PURPOSE OF HOLE To test depth extension of surface vein

HOLE NO.	<u>HG 80-2</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Nov. 3rd, 1980</u>
FINISHED	<u>Nov. 6th, 1980</u>
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton			
0	6		Overburden.									
6	307	97%	Light grey (brecciated) intermediate volcanic (similar to volcanics in HG 80-1).									
			6'-8.5', and 10'-13' - very strongly brecciated and shot through with many fine quartz stringers, and irregular blebs.	6'	9'	3'	21095	0.003	0.02			
			At 15' - similar strongly fractured zone with fractures filled with quartz and carbonate; at 15.8' - a 3" massive carbonate vein.	9'	12'	3'	21096	<0.002	0.02			
			12'-15' - similar strongly fractured zone with fractures filled with quartz and carbonate; at 15.8' - a 3" massive carbonate vein.	12'	15'	3'	21097	<0.002	0.02			
			19'-20.5' - very strongly, and more coarsely brecciated zone with white quartz fragments up to ½" across, in a quartz/carbonate matrix.	15'	17'	2'	21098	<0.002	0.02			
			At 23.5' - 3/8" carbonate vein at 70° to core axis.	17'	21'	4'	21099	<0.002	0.03			
			Whole section down to approximately 50' is much brecciated - section from 34'-36' approximately having a white quartz vein parallel to core axis.									
			At 57' - ½" white quartz/carbonate vein at 40° to core axis.									
			At 68'-69' there is some hematite staining associated with a 3" quartz filled breccia zone at 69' approximately.									
			Section 73'-75.5' approximately is vesicular and immediately									

*J. B. P. Sawyer, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME HIGH GRADE VEIN  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>HG 80-2</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Nov. 3rd, 1980</u>
FINISHED	<u>Nov. 6th, 1980</u>
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				
				FROM	TO	WIDTH	NO	Au oz/ton	Ag oz/ton			
6	307	cont.)	below this, i.e. from 75.5' to about 93', the volcanic is slightly darker in colour.									
			At 85.2'-86' approximately there are two quartz/carbonate veins - one at 70° and one at 35° to core axis.	85'	87'	2'	21100	<0.002	0.03			
			At 91.5' approximately - a ½" quartz/carbonate vein at 65° to core axis.	87'	89'	2'	37826	<0.002	0.05			
			95'-96.5' - 3 or 4 quartz/carbonate veins up to 1" wide in brecciated zone.	89'	91'	2'	37827	<0.002	0.02			
			At 109' approximately - start of a 5' zone of increased brecciation and veining as follows: 109.5' - a 1" quartz breccia zone followed from 110'-111' approximately by very strongly brecciated zone characterized by fragments of grey-green volcanics in a light grey carbonate/quartz matrix.	94'	96'	2'	37828	<0.002	0.02			
			At 111.2' - a 5" vuggy, brown stained, quartz vein.	109'	111'	2'	37829	<0.002	0.02			
			At 113' - a similar 5" vuggy, brown stained vein of quartz.	111'	112'	1'	37830	0.15	0.21			
			Above veins carry medium to coarse, irregular grains of pyrite.	112'	113'	1'	37831	0.003	0.23			
			At 137.5' - a 3" quartz breccia zone.	113'	114'	1'	37832	0.83	0.45			
			From 140'-144' approximately the core is fractured along its length, fracture surfaces are limonite stained.	114'	116'	2'	43293	<0.002	<0.02			
			At 154' approximately there is a slight increase in degree of	116'	118'	2'	43294	0.005	0.02			
				127'	130'	3'	43295	0.052	0.05			
				137'	139'	2'	37833	0.007	0.04			

*J. B. P. Sanyal, P. Eng.*

# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME HIGH GRADE VEIN  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>HG 80-2</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Nov. 3rd, 1980</u>
FINISHED	<u>Nov. 6th, 1980</u>
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Au oz/ton	Ag oz/ton				
6	307	(cont.)	fracturing and corresponding increase in amount of white quartz in irregular patches.	154'	156'	2'	37834	0.005	0.06				
			At 167.5' - there is an 8", vuggy, limonite stained quartz vein.	165'	167.5'	2.5'	43296	<0.002	<0.02				
			From 167' down to 250' there is an increase in the degree of brecciation and quartz veining including several major quartz veins, e.g. at 167.5' (see above).	167.5'	169'	1.5'	37835	0.68	0.32				
			At 174' - a 5" zone of massive (i.e. not vuggy) quartz.	169'	171'	2'	43297	0.002	<0.02				
			At 178.6'-179' approximately - 5" slightly vuggy vein, brown stained as before.	171'	173'	2'	43298	<0.002	<0.02				
			At 174' - a 5" zone of massive (i.e. not vuggy) quartz.	173'	174.5'	1.5'	37836	0.002	0.02				
			At 184.7' - a 3" massive quartz vein (similar to vein at 174').	179'	180'	1'	37837	0.002	0.02				
			At 188.2' - a 6" slightly vuggy quartz and carbonate zone made up of very many closely spaced fine quartz/carbonate stringers.	184'	186'	2'	37838	<0.002	0.02				
			At 202.5' - 1" quartz vein at 65° to core axis.	186'	188'	2'	37839	<0.002	0.02				
			There is an increase in the degree of brecciation and attendant fine white quartz veining at 216.2'-217'; 218.8'-219.3'; 227'-227.6'; 244'-246'; 255.5'-256.5'; 280'-281'; 283.5'-285'.	188'	190'	2'	37840	<0.002	0.03				
			At 248' - a 1½" quartz vein at 85° to core axis.	217'	220'	3'	37841	<0.002	0.02				
			At 270' - a 1½" quartz and carbonate vein.	245'	248.5'	3.5'	37842	<0.002	0.02				
			Section from 285'-296.5' is more massive and has much less										

*J. B. P. Janyar, P. Eng.*

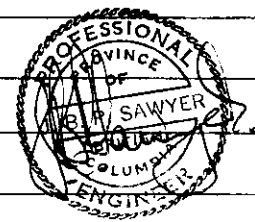
# Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME JAN RESOURCES LTD.  
 PROPERTY NAME HIGH GRADE VEIN  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>HG 80-2</u>
CLAIM NAME/No.	<u>MAR</u>
COMMENCED	<u>Nov. 3rd, 1980</u>
FINISHED	<u>Nov. 6th, 1980</u>
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.							
6	307	(cont.)	brecciation and veining.											
307			End of Hole.											



*J. B. P. Langer, P. Eng.*  
 CONSULTING GEOLOGIST

Project Name BLACK PANTHER ADIT A

Month

Year

Jan Resources Ltd.

and December  
January1980  
1981

Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
37851	BP 80-1	45'-46.5'	1.5'				<0.002	0.02
37852		114.9'-117.2'	2.4'				0.005	0.06
37853		118.5'-121.5'	3'				<0.002	<0.02
37854		151.3'-153.3'	2'				<0.002	<0.02
37855		170.5'-172'	1.5'				<0.002	<0.02
37856		195'-197'	2'				<0.002	<0.02
37857		205'-207'	2'				<0.002	<0.02
37858		225'-227'	2'				<0.002	<0.02
37859		230.5'-233.5'	3'				<0.002	<0.02
37860		251'-252'	1'				<0.002	<0.02
37861		316'-319'	3'				0.022	0.08
37862		319'-322'	3'				0.035	0.15
37863		322'-325'	3'				0.006	0.05
37864		325'-328'	3'				0.17	0.25
37865		328'-331'	3'				0.020	0.09
37866		384'-386'	2'				<0.002	0.02
37867		386'-388'	2'				0.017	0.60
37868		388'-390'	2'				0.010	0.07
37869		390'-392'	2'				0.015	0.06
37870		392'-394'	2'				0.032	0.14
37871		394'-396'	2'				0.002	0.02
37872		396'-398'	2'				0.003	0.07
37873		398'-400'	2'				0.007	0.05
39874		400'-402'	2'				0.036	0.15
37875		402'-404'	2'				0.045	0.28
37876		404'-406'	2'				0.021	0.15
37877		406'-408'	2'				0.007	0.06
37878		435'-437'	2'				0.009	0.95
37879		437'-440'	3'				0.022	0.08
37880		440'-442.5'	2.5'				0.024	0.11
37884		442.5'-445'	2.5'				0.010	0.02
37885		445'-447'	2'				<0.002	0.03
37886		447'-450'	3'				<0.002	<0.02
37883		459'-461'	2'				0.002	0.05
37887		461'-464'	3'				0.003	0.07
37888		464'-467'	3'				0.002	0.26
37889		467'-469'	2'				0.011	0.04
37881		511'-513'	2'				0.003	0.03
37882		513'-516'	3'				0.014	0.08
37890		516'-518'	2'				0.015	0.06
37891		518'-520'	2'				0.002	0.03
37892		520'-523'	3'				0.004	0.02
37893		523'-525'	2'				0.002	0.02
37894		525'-527'	2'				0.002	0.02
Total	44 Samples							

Project Name BLACK PANTHER ADIT A

Month

Year

Jan Resources Ltd.

December  
and January1980  
1981

Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
	BP 80-1							
37861 to 37865		316'-331'	15'	0.0506 Au; 0.12 Ag				
					15'			
37864 & 37865		325'-331'	6'	0.085 Au; 0.17 Ag				
					6'			
37867 to 37870 inc.		386'-394'	8'	0.0185 Au; 0.2175 Ag				
					8'			
37869 & 37870		390'-394'	4'	0.0235 Au; 0.10 Ag				
					4'			
39874 to 37876 inc.		400'-406'	6'	0.034 Au; 0.19 Ag				
					6'			
37880 & 37884		440'-445'	5'	0.017 Au; 0.065 Ag				
					5'			
37882 & 37890		513'-518'	5'	0.014 Au; 0.072 Ag				
					5'			

Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
37895	BP 81-1	56'-58'	2'				0.002	0.08
37896		123'-125'	2'				0.011	0.02
37898		187.5'-191'	3.5'				<0.002	<0.02
37897		195.5'-197.5'	2'				0.002	0.02
37899		300.5'-302.5'	2'				0.043	0.21
37900		302.5'-305'	2.5'				0.006	0.08
37901		305'-308'	3'				0.003	0.02
37904		308'-310'	2'				0.035	0.02
37905		310'-312'	2'				1.40	2.24
43151		312'-315'	3'				0.010	0.02
43152		315'-318'	3'				<0.002	<0.02
43153		318'-321'	3'				0.008	<0.02
43154		321'-323'	2'				<0.002	0.03
37902		323'-326'	3'				0.041	0.28
37903		326'-328'	2'				0.006	0.13
43155		337'-339'	2'				0.006	0.04
43156		339'-341'	2'				0.002	0.09
43157		341'-344'	3'				<0.002	0.06
43158		350'-353'	3'				<0.002	0.04
43159		353'-356'	3'				<0.002	<0.02
37906		356'-359'	3'				0.017	0.03
43160		359'-362'	3'				<0.002	<0.02
43161		362'-365'	3'				<0.002	0.05
43162		414'-417'	3'				0.005	0.04
43163		417'-420'	3'				<0.002	0.02
37907		420'-422'	2'				0.027	0.08
43164		422'-424'	2'				0.002	0.07
43165		424'-426'	2'				0.002	0.05
37908		426.5'-429'	2.5'				0.015	0.05
37909		429'-431'	2'				0.11	0.20
43166		431'-434'	3'				0.011	0.03
43167		434'-437'	3'				<0.002	<0.02
43168		437'-441'	4'				0.009	0.02
37910		442'-444'	2'				0.002	0.02
37911		444'-447'	3'				0.10	0.14
37912		447'-449'	2'				0.007	0.40
37913		449'-451'	2'				0.016	0.10
37914		451'-453'	2'				<0.002	<0.02
37915		476'-478'	2'				0.013	0.02
37916		501'-505'	3'				0.002	0.04

Project Name BLACK PANTHER  
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Month Year  
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Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
37917	BP 81-1	510'-512'	2'				0.004	0.02
37918		512'-515'	3'				<0.002	<0.02
37919		515'-518'	3'				0.003	0.02
43169		518'-520'	2'				<0.002	0.02
43170		520'-522'	2'				<0.002	0.02
37920		522.5'-525.5'	3'				0.041	0.08
43171		557'-558'	1'				<0.002	<0.02
37921		631.5'-634.5'	3'				<0.002	0.03
37922		657'-659'	2'				0.003	0.04
37923		659'-661'	2'				0.014	0.02
37924		672'-673.5'	1.5'				<0.002	<0.02
43172		738'-740'	2'				<0.002	<0.02
43173		788'-791'	3'				0.002	0.02
37925		788.5'-789'	0.5'				0.073	0.05
43174		797'-799.5'	2.5'				<0.002	0.02
Total 56 Samples								
37904 & 37905		308'-312'	4'	0.7175 Au; 1.13 Ag				
				4'				
37908 & 37909		426.5'-431'	4.5'	0.057 Au; 0.117 Ag				
				4.5'				
37910 to 37913		442'-451'	9'	0.039 Au; 0.162 Ag				
				9'				



Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
43176	BP 81-2	54.1'-55'	0.9'				<0.002	0.04
34617		55'-55.5'	0.5'				0.035	0.06
43177		55.5'-56.5'	1'				<0.002	0.02
43178		181'-184'	3'				<0.002	0.03
43179		184'-186'	2'				<0.002	0.02
43180		186'-189'	3'				<0.002	0.02
43181		248'-250'	2'				<0.002	<0.02
43182		250'-252'	2'				<0.002	0.03
43183		252'-254'	2'				<0.002	0.03
43184		254'-255'	1'				<0.002	0.02
43185		255'-257'	2'				0.012	<0.02
43299		257'-260'	3'				<0.002	<0.02
43186		302'-304.5'	2.5'				<0.002	<0.02
43187		304.5'-307'	2.5'				0.002	<0.02
43188		307'-310'	3'				<0.002	<0.02
43189		310'-313'	3'				<0.002	<0.02
43190		313'-314.5'	1.5'				<0.002	<0.02
43191		328'-331'	3'				<0.002	<0.02
43192		331'-333'	2'				0.030	0.06
43193		333'-335'	2'				<0.002	<0.02
43194		374.5'-376.5'	2'				<0.002	0.02
43195		376.5'-377.5'	1'				0.050	0.14
43196		377.5'-379.5'	2'				<0.002	<0.02
43197		446'-449'	3'				<0.002	0.04
43198		449'-452'	3'				0.009	0.04
43199		452'-455'	3'				0.004	0.03
43200		455'-458'	3'				0.004	<0.02
43201		458'-462'	4'				<0.002	<0.02
43202		462'-464'	2'				0.002	<0.02
43203		464'-466'	2'				0.056	0.45
43204		466'-469'	3'				0.14	0.52
43205		469'-472'	3'				0.008	0.02

Project Name BLACK PANTHER ADIT A

Month

Year

JAN RESOURCES LTD.

February  
and March

1981

Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
43206	BP 81-2	481'-484'	3'				<0.002	0.03
43207		484'-487'	3'				0.005	0.02
43300		687'-690'	3'				<0.002	0.06
43208		690'-693'	3'				0.013	0.05
43209		693'-695'	2'				0.016	0.06
43301		695'-698'	3'				0.004	0.03
43210		745'-747'	2'				<0.002	0.02
43211		747'-750'	3'				<0.002	<0.02
43212		750'-753'	3'				<0.002	<0.02
43213		753'-755'	2'				<0.002	0.03
43214		755'-757'	2'				0.014	0.03
43215		767'-770'	3'				0.004	0.03
43216		770'-773'	3'				0.002	0.02
43304		777'-779'	2'				0.007	0.08
43217		788.5'-790.5'	2'				0.012	0.08
43218		790.5'-793'	2.5'				0.027	0.07
43219		793'-796'	3'				0.026	0.05
43220		796'-798'	2'				0.029	0.12
43302		798'-800'	2'				0.005	0.06
43303		800'-802'	2'				0.003	<0.02
43287		802'-804'	2'	<0.01			<0.002	<0.02
43288		824'-826'	2'	<0.01			<0.002	<0.02
54 Samples								
43202- 43205 inc.		462'-472'	10'				$\frac{0.056}{10'}$	
43203&4		464'-469'	5'				$\frac{0.1064}{5'}$	
43208&9		690'-695'	5'				$\frac{0.0142}{5'}$	
43218- 43220		790.5'-798"	7.5'				$\frac{0.0271}{7.5'}$	

Project Name BLACK PANTHER  
 JAN RESOURCES LTD.

Month Year  
 March 1981

Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
43175	BP 81-3	48'-50'	2'				0.009	0.03
43221		96'-97.5'	1.5'				<0.002	0.04
43222		100'-101'	1'				*	*
43223		135.5'-138.5'	3'				<0.002	0.03
43224		264'-267'	3'				*	*
43225		267'-270'	3'				0.004	0.04
43251		270'-273'	3'				0.007	0.03
43252		273'-275'	2'				<0.002	0.02
43253		275'-277'	2'				0.010	0.05
43254		291.5'-294.5'	3'				0.016	0.02
43255		294.5'-297'	2.5'				0.006	0.03
43305		314.5'-317'	2.5'				<0.002	<0.02
43306		317'-319.5'	2.5'				<0.002	<0.02
43307		319.5'-322'	2.5'				0.002	0.02
43308		322'-325'	3'				<0.002	<0.02
43309		325'-327.5'	2.5'				<0.002	<0.02
43256		327.5'-330.5'	3'				0.2	0.11
43310		330.5'-333'	2.5'				<0.002	0.18
43311		333'-335'	2'				0.002	0.08
43257		335'-338'	3'				0.007	0.05
43258		338'-341'	3'				0.007	0.07
43259		341'-344'	3'				0.010	0.02
43260		344'-347'	3'				<0.002	0.05
43261		401'-403.5'	2.5'				<0.002	<0.02
43262		409'-411'	2'				<0.002	<0.02
43263		414.5'-418.5'	3.5'				0.005	0.02
43312		418.5'-420.5'	2'				<0.002	0.12
43264		420.5'-423.5'	3'				0.013	0.03
43265		423.5'-426.5'	3'				0.018	0.02
43266		426.5'-429.5'	3'				0.019	0.04
43267		429.5'-432.5'	3'				0.005	0.03
43268		432.5'-435.5'	3'				0.012	0.03
43269		435.5'-438.5'	3'				<0.005	0.02
43313		480'-483'	3'				<0.002	<0.02
43270		483'-487'	4'				0.016	0.04
43314		487'-490'	3'				<0.002	<0.02
Total 36 Samples								
*Two samples lost at Bondar-Clegg & Company Ltd. assay lab.								
43264- 43268 inc.		420.5'-435.5'	15'				$\frac{0.0134}{15'}$	
43264- 43266		420.5'-429.5'	9'				$\frac{0.016}{9'}$	

Project Name

BLACK PANTHER

Month

Year

JAN RESOURCES LTD.

March

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Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
43271	BP 81-4	61'-62'	1'				<0.002	<0.02
43272		125'-126'	1'				0.005	0.02
43273		153'-155'	2'				<0.002	<0.02
43274		234.5'-235.5'	1'				<0.002	<0.02
43275		243.5'-244.5'	1'				<0.002	<0.02
43276		273'-275'	2'	0.02			<0.002	<0.02
43277		275'-277'	2'	0.01			<0.002	<0.02
43278		277'-279'	2'	0.01			<0.002	<0.02
43279		279'-281'	2'	0.02			<0.002	<0.02
43280		281'-283'	2'	0.02			<0.002	<0.02
43281		294'-296.5'	2.5'	0.29			0.002	0.04
43282		307'-309'	2'	0.06			<0.002	<0.02
43283		309'-311'	2'	0.14			<0.002	<0.02
43284		370'-371'	1'	0.01			<0.002	<0.02
43285		426.5'-429.5'	3'	<0.19			<0.002	<0.02
43286		501'-502'	1'	0.02			<0.002	0.03

16 Samples

Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
21076	HG 80-1	8'-11'	3'				<0.002	0.02
21077		11'-13'	2'				0.003	0.02
21078		13'-16'	3'				<0.002	0.04
21079		16'-18'	2'				0.002	0.03
21080		18'-20'	2'				<0.002	0.02
21081		22'-24'	2'				0.007	0.03
21082		32'-34'	2'				<0.002	0.02
21083		59'-62'	3'				0.005	0.02
21084		70'-72'	2'				0.004	0.02
21085		74'-77'	3'				<0.002	0.03
21086		89'-92'	3'				0.003	0.04
21087		99'-101'	2'				0.007	0.04
21088		105.5'-106.5'	1'				<0.002	0.02
43289		121'-124'	3'				<0.002	<0.02
43290		124'-126'	2'				<0.002	<0.02
21089		126'-128.5'	2.5'				0.43	0.27
43291		128.5'-131'	2.5'				<0.002	0.09
43292		131'-133'	2'				0.005	0.13
21090		142'-143.5'	1.5'				<0.002	0.03
21091		143.5'-144.5'	1'				<0.002	0.02
21092		144.5'-146'	1.5'				<0.002	0.02
21093		166'-169'	3'				<0.002	0.03
21094		194.5'-196'	1.5'				<0.002	0.02
Total 23 Samples								
21089		126.0'-128.5'	2.5'	0.43 Au; 0.27 Ag				
		Expand to 4' mining width	4'	0.2688 Au; 0.1688 Ag				

Project Name		HIGH GRADE VEIN				Month		Year	
		Jan Resources Ltd.				November & March		1980 1981	
Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton	
21095	HG 80-2	6'-9'	3'				0.003	0.02	
21096		9'-12'	3'				<0.002	0.02	
21097		12'-15'	3'				<0.002	0.02	
21098		15'-17'	2'				<0.002	0.02	
21099		17'-21'	4'				<0.002	0.03	
21100		85'-87'	2'				<0.002	0.03	
37826		87'-89'	2'				<0.002	0.05	
37827		89'-91'	2'				<0.002	0.02	
37828		94'-96'	2'				<0.002	0.02	
37829		109'-111'	2'				<0.002	0.02	
37830		111'-112'	1'				0.15	0.21	
37831		112'-113'	1'				0.003	0.23	
37832		113'-114'	1'				0.83	0.45	
43293		114'-116'	2'				<0.002	<0.02	
43294		116'-118'	2'				0.005	0.02	
43295		127'-130'	3'				0.052	0.05	
37833		137'-139'	2'				0.007	0.04	
37834		154'-156'	2'				0.005	0.06	
43296		165'-167.5'	2.5'				<0.002	<0.02	
37835		167.5'-169'	1.5'				0.68	0.32	
43297		169'-171'	2'				0.002	<0.02	
43298		171'-173'	2'				<0.002	<0.02	
37836		173'-174.5'	1.5'				0.002	0.02	
37837		179'-180'	1'				0.002	0.02	
37838		184'-186'	2'				<0.002	0.02	
37839		186'-188'	2'				<0.002	0.02	
37840		188'-190'	2'				<0.002	0.03	
37841		217'-220'	3'				<0.002	0.02	
37842		245'-248.5'	3.5'				<0.002	0.02	
Total 29	Samples								

Project Name HIGH GRADE VEIN  
 Jan Resources Ltd.

Month November  
 & March Year 1980  
 1981

Assay Tag No.	D.D.H.	Footage	Width	Cu %	Pb %	Zn %	Au oz/ton	Ag oz/ton
37830) 37831) - 37832)		111'-114'	3'	0.32 Au; 0.296 Ag				
		Expand to 4' mining width	4'	0.246 Au; 0.223 Ag				
37835		167.5'-169'	1.5'	0.68 Au; 0.32 Ag				
		Expand to 4' mining width	4'	0.255 Au; 0.12 Ag				