

OG NO:	1227	RD.
ACTION:		
FILE NO:	19315	

FREEPORT-McMoRan GOLD COMPANY

TEXADA PROJECT

1989 PROGRAM

DIAMOND DRILL LOGS
HOLES T89-8 TO T89-26

Part 3 of 3

Hole No:	T89-8	Azimuth:	45.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-80.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	627.00	Started:	APRIL 11, 1989	226.0	40.0	-81.0
Claim:	Lot 522	Elevation:	85.00	Completed:	APRIL 24, 1989			
Co-ords: N:	9352.00	Casing: In	3.7m	Logged By:	CNF, RLC			
E:	10177.00	Left	3.7m					

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	White to grey, fine grained. First metre white then into grey..									
17.2	Graphitic slip. Minor shearing and cleavage developed into marble. To 24m mostly mottled white to grey. Minor fracturing with bleaching.	350251	34.0	34.5	.5	n/a	370	n/a	85.4	68
34.3	40cm of massive pyrite, sphalerite and galena. 60% pyrite replacing coarse sphalerite (20%) replacing galena (10%) and calcite. Top contact is irregular at plus or minus 60 degrees to core angle. Bottom is also irregular at plus or minus 15 degrees to core angle.									
38.4 45.5	Fairly white, bleached medium grained marble. Then grey to 47.0 then bleached to 45.5.									
49.5 50.2	HORNBLENDE PORPHYRY DYKE Hornblende greenstone dyke: dark green, fine grained with coarse hornblende phenocrysts in the dark green matrix. Minor silicification and bleaching along contacts. Upper contact plus or minus 60 degrees to core angle.									
50.2 80.4	MARBLE Mottled, white to grey medium to fine grained, minor fracturing.	350252	80.0	81.1	1.1	n/a	25	n/a	.8	1
80.4 87.6	FELDSPAR PORPHYRY DYKE Strongly silicified, bleached, moderate biotization - pyrite to 5%. Intensely fractured, with pyrite, calcite, epidote and silica along fractures - possible scapolite and pervasive silicification.									
80.4 81.6	Fault: gouged, sheared and brecciated. Calcite and pyrite filling with chlorite plus or minus 30 degrees to	350253	81.1	83.0	1.9	n/a	10	n/a	<.2	3
		350254	83.0	84.5	1.5	n/a	15	n/a	<.2	2
		350255	84.5	86.2	1.7	n/a	30	n/a	<.2	3

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	of megacrysts at approximately 30 degrees to core axis. Pinkish megacrysts at 500.0.									
504.2 505.3	Skarned marble/dyke contact - get garnet-pyrite patches in coarse marble at top, into sheared, calcite veined contact area with slip surfaces subparallel to core axis with garnet-pyrite at low angle to core axis paralleling shearing and finally garnet-pyrite plus or minus epidote as sheared veins, bleached halos around them, into biotitized dyke. Spots and patches pyrite throughout associated with garnet-pyrite.	350273	504.2	505.3	1.1	n/a	<5	n/a	<.2	16
504.8 520.5	FELDSPAR PORPHYRY DYKE Strongly biotitized, silicified, purple dyke with visible laths of feldspar -> may be gone to quartz. - Multiple fracturing, often filled with white calcite (?) as well as intermittent zones of sheared vein breccias consisting of calcite, epidote, garnet-pyrite, fine felted actinolite (?) - including dyke fragments - surrounded by zones of bleaching locally rusty stained - pink dolomite. - Sometimes get patches of massive pyrite/pyrrhotite in these zones of veining. Spots and patches of pyrite/pyrrhotite throughout section. - Fine grained actinolite veins and spots frequent outside brecciated zones as well. - Veins and vein breccia zones which make up approximately 50% of dyke are all 45 degrees to core axis or less. - Last 80cm of dyke strongly bleached and shows a foliation of 25 degrees - parallel to lower contact.	350274	505.3	506.9	1.6	n/a	<5	n/a	<.2	18
		350275	506.9	508.8	1.9	n/a	<5	n/a	<.2	20
		350276	508.8	510.4	1.6	n/a	<5	n/a	<.2	17
		350277	510.4	511.7	1.3	n/a	<5	n/a	<.2	6
		350278	511.7	513.3	1.6	n/a	<5	n/a	<.2	15
		350279	513.3	515.1	1.8	n/a	<5	n/a	<.2	4
		350280	515.1	516.9	1.8	n/a	<5	n/a	<.2	3
		350281	516.9	517.5	.6	n/a	<5	n/a	6.0	10
		350282	517.5	519.7	2.2	n/a	<5	n/a	<.2	5
		350283	519.7	520.5	.8	n/a	<5	n/a	<.2	7

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
520.5 522.9	MARBLE Grey to bleached white streaks parallel to foliation (looks tectonic) at 15 degrees to core axis -> fine grained where foliated as if sheared.	350284	520.5	521.5	1.0	n/a	<5	n/a	<.2	n/a
522.9 523.6	FELDSPAR PORPHYRY DYKE Silicified, sheared, brecciated, biotized, fine grained brownish-purple dyke with shearing at approximately 12 degrees (parallel to upper contact). - Calcite veined and marble matrix contains minor patches garnet adjacent dyke fragments. - Pyrrhotite veinlets and 3 mm spots. - Lower contact at approximately 30 degrees to core axis. - 10 to 20 cm fine or bleached marble envelopes dyke.	350285	522.9	523.6	.7	n/a	<5	n/a	<.2	28
523.6 531.1	MARBLE Grey to bleached or mottled white, stylolites frequently filled with pyrrhotite, a few greasy chloritic, calcite slips subparallel to core axis. Local blebs pyrrhotite to 7 mm in last 2m along with trace garnet spots at 530.50.	350286	529.4	531.4	2.0	n/a	<5	n/a	<.2	2
531.1 531.4	FELDSPAR PORPHYRY DYKE Highly altered and fractured dyke, multiple greasy chlorite plus or minus serpentine fractures, no pieces > 3 cm. - Lower contact at 70 degrees to core axis, upper?.									
531.4 533.0	MARBLE Coarse grained, white to mottled, sheared grey/white. - Last 30cm contains sheared, bleached	350287	532.5	533.4	.9	n/a	<5	n/a	<.2	3

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	garnet-pyrite in dyke fragments (?) plus pyrrhotite-filled fractures/stylolites.									
533.0 536.7	FELDSPAR PORPHYRY DYKE Solid dyke from approximately 533.0 to 534.8. Sheared with 1st fragments from 532.7 to 533.4 and 534.8 to 536.7. - Solid dyke portion is bleached, purple, biotitized, veined (creates bleaching) and intensely fractured to small pieces. Minor garnet pyrite associated with bleached veins, some epidote and chlorite-sercite fractures. - Sheared marble/dyke is more competent, contains wispy irregular dark brown bands of biotite (?) plus or minus pyrite throughout marble fragments and garnet-pyrite plus or minus epidote. - Disseminated and spotty pyrite throughout. - Intensely bleached (?) full of garnet spots in last 20 cm before contact at 40 degrees to core axis.	350288	533.4	534.8	1.4	n/a	10	n/a	<.2	8
		350289	534.8	536.7	1.9	n/a	5	n/a	<.2	6
536.7 538.9	MARBLE Mottled white/grey, fractured at 15 degrees to core axis. - 10 cm piece of biotized dyke with minor garnet-pyrite-epidote at 538.6.									
538.9 539.9	FELDSPAR PORPHYRY DYKE Biotized, bleached, minor garnet-epidote associated with microfractures, chlorite-sercite-pyrite slips. - Dyke at very low angle to core axis; 45 degrees at top, 8 degrees at bottom.	350290	538.9	540.0	1.1	n/a	<5	n/a	<.2	5
539.9 551.4	MARBLE Mostly white, some light grey, mottled patches of	350291	540.0	541.0	1.0	n/a	10	n/a	<.2	n/a

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	- Upper half silicified, lower half not silicified. - 3mm dark green spots with pyrite centers - altered phenocrysts. - Minor pyroxene along some dolomite veins.									
609.3 618.8	MARBLE Medium grained white, frequent green stylolites and microfractures +/- pyrite.									
618.8 620.0	BASALT - Fracture intensity increases toward lower contact, along with pyrite as well as garnet spots 2 Cm yellow brown garnet at upper 55 deg contact to 3 cm epidote then into 20cm garnet-pyroxene and dolomite-veined rock and finally into a more massive, dark green rock with about 20-30% pyrite>pyrrhotite in seams and pods sub parallel to core axis. (Minor dolomite sub parallel to core axis in this section.). - Lower contact at 60 deg to core axis.	350293	618.8	620.0	1.2	n/a	150	n/a	1.2	168
620.0 621.8	BIOTITE QUARTZ DIORITE Altered biotite quartz diorite dyke. White-grey, silicified, spotted with 1-2mm green secondary amphibole. - Pyrite cubes and seams along 45-55 deg fractures. - Evidence of slip perpendicular to core axis.	350294	620.0	621.8	1.8	n/a	10	n/a	<.2	10
621.8 627.0	BASALT Amygdaloidal basalt. Dark green, fine grained, locally silicified, very broken up (along fractures, 50deg to core axis) spots and patches of secondary green amphibole? often altering amygdules with pyrite in their centers (seen in surface exposures on Sandy Grid like this), other	350295 350296	621.8 623.3	623.3 624.8	1.5 1.5	.024 .001	n/a n/a	n/a n/a	.6 <.2	1055 427

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Hole No:	T89-9	Azimuth:	90.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-78.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA	Length (m):	351.60	Started:	APRIL 24, 1989	181.1		-79.5
Claim:	Lot 522	Elevation:	76.00	Completed:	APRIL 29, 1989	331.9	103.0	-79.0
Co-ords: N:	9825.00	Casing: In	3.8m	Logged By:	C.N. FORSTER			
E:	9870.00	Left	3.8m					

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
140.2 155.5	FELDSPAR PORPHYRY DYKE Upper contact broken at 20 degrees to core angle, dark green, unaltered as from 122.0 to 133.0 then lighter green and weakly bleached and weakly silicified. 153.5 10 degrees to core angle fractures with pink feldspar alteration pervasive into the ground mass. - Lower contact at 55 degrees to core angle with 3cm of pyroxene and garnet at contact replacing the dyke.									
155.5 156.5	MARBLE Grey, medium grained, with numerous wispy fractures.									
156.5 166.7	BIOTITE QUARTZ DIORITE Leucocratic, fine grained, sub-volcanic unit - quartz, feldspathic matrix is fine grained, with biotite/chlorite mafics at 10%. - In part porphyritic with ghosted plagioclase phenocrysts. Moderately fractured and broken. -Top contact 35 degrees to core angle and marble bleached, Bottom is fractured and sheared at 25 degrees to core angle.									
166.7 172.6	MARBLE Bleached, medium to coarse grained.	350325	172.4	173.9	1.5	n/a	445	n/a	<.2	9
172.6 178.0	FELDSPAR PORPHYRY DYKE Top contact 35 degrees to core angle. Intensely altered brecciated, fractured and bleached. - Top 20 cm mostly replaced by garnet/pyroxene and epidote. - Matrix of porphyry is purple and biotized. - Breccia matrix is light green pyroxene	350326 350327 350328	173.9 175.5 177.0	175.5 177.0 178.0	1.6 1.5 1.0	n/a n/a n/a	30 80 5	n/a n/a n/a	<.2 <.2 <.2	12 13 7

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	Fine to medium grained, dark grey. Contact sheared and chloritic at 45 degrees to core angle.									
235.6 264.6	BIOTITE QUARTZ DIORITE Contact broken. No chill margin. Direct change to coarse grained, fresh, biotite quartz diorite.	350295	264.5	265.5	1.0	.024	n/a	n/a	.6	1055
264.6 271.0	SKARN Coarse patchy brown and amber to green garnet - coarse calcite matrix. - Upper contact broken and partially sheared.	350296	265.5	266.5	1.0	.001	n/a	n/a	<.2	427
		350297	266.5	267.5	1.0	.002	n/a	n/a	.6	851
		350298	267.5	268.5	1.0	.002	n/a	n/a	<.2	514
		350299	268.5	269.5	1.0	.007	n/a	n/a	<.2	283
269.1	Shear at 20 degrees to core angle.	350300	269.5	270.5	1.0	.003	n/a	n/a	.4	308
		350301	270.5	271.2	.7	.007	n/a	n/a	.4	618
271.0 280.4	BIOTITE QUARTZ DIORITE Variable from fresh biotitic quartz diorite to intensely altered endoskarn. Fractured, with quartz, calcite veining - aplitic sections. - 274.6-276.5 -> garnet, calcite endoskarn, coarse garnet, relic granitic texture.	350302	271.2	272.6	1.4	<.001	n/a	n/a	<.2	114
272.6 274.6	QUARTZ DIORITE.	350303	272.6	274.6	2.0	.001	n/a	n/a	.4	192
274.6 275.6	ENDO SKARN.	350304	274.6	275.6	1.0	.015	n/a	n/a	1.8	1045
275.6 276.6	ENDO SKARN.	350305	275.6	276.6	1.0	.001	n/a	n/a	<.2	38
276.6 277.7	ENDO SKARN.	350306	276.6	277.7	1.1	<.001	n/a	n/a	<.2	62
277.7 279.3	QUARTZ DIORITE.	350307	277.7	279.3	1.6	.001	n/a	n/a	.4	215
279.3 280.3	SKARN.	350308	279.3	280.3	1.0	.001	n/a	n/a	<.2	38
280.3 281.3	SKARN.	350309	280.3	281.3	1.0	.001	n/a	n/a	<.2	101
280.4 285.0	SKARN Green garnet, light calcite pyroxene matrix, erratic 2% pyrite, pyrrhotite.									
281.3 282.3	SKARN.	350310	281.3	282.3	1.0	.002	n/a	n/a	<.2	241
282.3 283.3	SKARN.	350311	282.3	283.3	1.0	.002	n/a	n/a	.4	321
283.3 284.8	SKARN.	350312	283.3	284.8	1.5	.004	n/a	n/a	.8	676

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Hole No:	T89-10	Azimuth:	225.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-60.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	370.60	Started:	APRIL 27, 1989	162.4	228.0	-62.0
Claim:	Lot 201	Elevation:	72.00	Completed:	MAY 2, 1989	359.4	231.0	-62.0
Co-ords: N:	8487.00	Casing: In	6.7	Logged By:	RUSS CRANSWICK			
E:	10564.00	Left	6.7					

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	contacts at approximately 60 degrees to core axis.									
49.7 52.4	MARBLE Medium - coarse grained, white, fractures at approximately 60 degrees to core axis.									
52.4 58.9	FELDSPAR PORPHYRY DYKE Dark green to brown-green, highly altered and frequently sheared along muddy clay-altered slips, rare fresh feldspar phenocrysts and abundant sericite-altered feldspars. - Talc and serpentine on slips. - Locally very broken up along multidirectional greasy fractures. - Calcite microfractures, locally brecciated. - Minor garnet-epidote at upper contact of approximately 50 degrees, 10cm of clay/mud-filled breccia at lower contact of approximately 20 degrees to core axis with patches of epidote.									
53.3 54.2	Bleached and brecciated dyke to a cooked fine-grained section of marble.	350502	53.3	54.2	.9	n/a	190	n/a	1.0	383
	multi-fracturing (green and calcite-filled) local spots/patches pyrite upper contact at low angle to core axis, lower one offset by fracture but is approximately 60 degrees to core axis.	350503	58.4	58.9	.5	n/a	145	n/a	1.2	371
58.6	10cm piece of intensely calcite-fractured breccia with abundant pyrite and disseminated hematite.									
58.9 66.4	MARBLE Sheared marble/1st first meter fine grained white to irregular green chlorite-sericite fractures, then get into a more grey/white to locally black with black, green and white microfractures. - Local swirly patches of dark to light green									
		350504	59.9	61.2	1.3	n/a	930	n/a	<.2	11
		350505	65.8	66.4	.6	n/a	<5	n/a	<.2	3

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	serpentine parallel and also cutting a 30 - 45 degrees fabric. - Serpentine and sometimes graphite on fractures.									
66.4 72.3	FELDSPAR PORPHYRY DYKE Dark green, moderate biotitization, minor to moderate amphibole (?) alteration. - Abundant greasy white and blue-green-coated slips and fractures -> some tacl, some?. - Pyrite on fractures. - Quite broken up core. - Upper contact approximately 60 degrees to core axis, lower one approximately 50 degrees to core axis.									
72.3 72.5	FAULT Fault breccia - clay gouge and feldspar porphyry dyke fragments to 3cm.									
72.5 95.9	MARBLE Intermittently clay-altered and brecciated white marble to 77.3. - White-grey marble brecciated by greasy, soft, blue-green(?) fractures from 77.3 - 79.0. - Start to get yellowy-green, soft, serpentine(?) along fractures at 79.0 and marble is a blue-grey. Fractures and weak banding at 25 to 24 degrees to core axis.	350506	77.3	79.0	1.7	n/a	<5	n/a	<.2	n/a
82.6 83.8	Sheared black-grey marble (readily fizzes in HCL) with swirls of serpentine. black band occurs at low angle to core axis. serpentine at angles from approximately 50 degrees down to sub-parallel to core axis.	350507	82.6	83.8	1.2	n/a	<5	n/a	<.2	n/a
84.7 86.0	Grey to black, sheared marble with a core of sheared serpentine. dark veinlets of biotite or magnetite (?) as	350508	84.7	86.0	1.3	n/a	<5	n/a	<.2	n/a

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	well as calcite veins.									
86.0 88.8	Mottled grey/white, banded at 30 degrees to core axis.									
88.8 93.4	Sugary, white marble to tiny white microfractures. blue-green, soft mineral on rare slips.									
93.4 95.9	Mottled grey/white to black marble. microfractured, locally banded at 30 to 60 degrees to core axis. start getting serpentine on fractures from 94.4. last meter sheared with more intense serpentine swirls in black marble.	350509	95.1	95.9	.8	n/a	<5	n/a	<.2	2
95.9 97.3	SKARN Skarned dyke. top 20cm and bottom 10cm light green altered dyke full of diopside (?). rest garnet>>diopside with white calcite veins at 30 degrees to core axis and calcite between garnet-pyrite creating a spotted texture. - Trace 1% pyrite, trace chalcopyrite.	350510	95.9	97.3	1.4	.001	n/a	n/a	<.2	n/a
97.3 101.2	MARBLE Mottled and banded grey-white-black. bleached around fractures, patches of serpentine-filled fractures. - Banding/shearing ranges from 30 to 60 degrees to core axis. - Irregular biotite/manganese (?) fractures - in swirls. - Minor gouge on a few slips. minor garnet-pyroxene associated with a dyke fragment.	350511 350512	97.3 99.2	99.2 101.2	1.9 2.0	n/a n/a	50 <5	n/a n/a	<.2 <.2	35 6
101.2 108.1	SKARN Skarned dyke -> generally light green with brown intensity increasing with amount of garnet present. - Garnet>pyrite to 104.3, then mostly pyrite with	350513 350514 350515 350516	101.2 102.8 104.4 105.5	102.8 104.4 105.5 106.7	1.6 1.6 1.1 1.2	.002 .001 .001 .003	n/a n/a n/a n/a	n/a n/a n/a n/a	<.2 <.2 <.2 <.2	n/a n/a n/a n/a

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	chunks fingering into clean white marble.									
121.0 121.6	DYKE Silicified green dyke - altered, minor pyrite, greasy fractures, fine-grained.									
121.6 167.4	MARBLE Medium to coarse grained, white, odd grey band and fractures at 30 degrees to core axis. 123.2 1cm patch (band) of pyrite. 133.7 145.7 Powdery white veins of calcite with pyrite and rare garnet-pyroxene clusters to 5mm (rare). 136.9 137.6 60% garnet with rare green pyroxene spots bounded by veins described above.	350524	136.9	137.6	.7	n/a	5	n/a	<.2	n/a
167.4 169.9	HORNBLENDE DIORITE Altered, weakly porphyritic feldspar altered to epidote, medium-grained, green, epidote and calcite stringers at approximately 60 degrees and also calcite veins at approximately 20 degrees to core axis, magnetic. - Irregular upper contact with slip and epidote at high angle to core axis, lower contact at 25 degrees to core axis shows movement too.									
169.9 248.8	MARBLE Medium-coarse grained, mostly white with local areas of light mottled grey, minor fracturing at 20 to 50 degrees to core axis, minor stylolites with pyrite. 224.3 225.0 Banded white and grey at 35 degrees to core axis with disseminated and spots of sphalerite (1 - 2%), pyrite and pyrrhotite (trace -1%) all aligned	350525	224.3	225.0	.7	n/a	10	n/a	<.2	n/a

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
225.0 226.3	parallel and within bands. 2 - 5 cm irregular globules to vein of silica (40 - 50%) in marble. globule at beginning contains 5 - 10% spots of sphalerite, is cut by calcite and epidote-filled microfractures and is rimmed by light brown garnet>pyrite. thinner vein part contains pyrite spots in center with 3mm garnet selvages.	350526	225.0	226.3	1.3	n/a	<5	n/a	<.2	n/a
243.0.0 243.0	To end of interval - patchy pink dolomite -> starts immediately after a 25 degrees to core axis fracture which bounds mottled grey/white above and pinkish-white below.									
243.8	Pyrite plus or minus magnetite disseminated and along fractures.									
244.6	5cm of soft, light green, altered dyke with clay-altered mud.									
248.8 249.5	GREENSTONE DYKE Fine-grained, multiple fracturing at 40 degrees to core axis -> one set of epidote, opposite set calcite (cuts epidote). - Chlorite on fracture faces, magnetic. - Epidote and minor garnet-pyrite (trace pyrite, pyrrhotite) at upper 30 degrees and lower 55 degrees contacts -> does not look like the hornblende diorite or feldspar porphyry dykes.									
249.5 250.2	MARBLE Coarse, mottled white-grey.									
250.2 252.3	SKARN Probable dyke protolith. brown garnet>pyroxene dominates with green, altered relict phenocrysts throughout.	350527 350528	250.2 251.2	251.2 252.3	1.0 1.1	.001 .001	n/a n/a	n/a n/a	<.2 <.2	n/a n/a

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	- Multiple healed microfractures, epidote and lesser calcite veins (most abundant in last 20cm). - Unskarned spots felsic-looking and silicified, but rare. - One 10cm chunk of marble in middle at 251.0 at 35 degrees to core axis.									
252.3 264.5	HORNBLENDE DIORITE Medium grained, altered, feldspars locally altered to epidote. - Frequent calcite or pink dolomite (?) veins at approximately 30 degrees to core axis cut, also frequent, epidote veins oriented approximately 70 degrees to core axis. - 10cm calcite-brecciated dyke at 252.8 with pyrite. - Clay-altered, gougy fault (?) at 30 degrees to core axis at 256.3. - Chunk of white marble from 261.9 - 262.3 with upper contact sharp at approximately 30 degrees to core axis and lower contact at 50 degrees to core axis (lower contact gougy and calcite veined -. Faulted). - Upper contact with skarn at approximately 70 degrees to core axis with abundant epidote, lower contact at 25 degrees to core axis with minor epidote spots and trace pyrite.	350529	252.3	253.3	1.0	n/a	<5	n/a	<.2	3
264.5 312.0	MARBLE Medium to coarse grained, white to locally greyish-white, relatively unfractured, rare blebby concentrations pyrite at 30 degrees to core axis. From 269.4 - 275.3 - all highly altered (?). partially (parallel to core axis) cut by a felsic dyke rimmed by 5mm of fine grained light brown garnet plus or minus pyrite and containing 1 - 2% disseminated pyrite (in dyke).	350530	269.4	270.2	.8	n/a	<5	n/a	<.2	n/a

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
273.0	Tan garnet surrounding wisps of felsic dyke in marble just above 20cm of felsic dyke that is cut by garnet-epidote filled fractures at 60 degrees to core axis.									
273.6 298.0	Altered felsic dyke -> bleached, 10-20% pyrite along fracture, large patches epidote. Upper contact at 40 degrees, lower at 30 degrees -> both bounded by pyritic, chloritic slips.									
274.8 275.3	Silicified, bleached felsic dyke with garnet-pyroxene-epidote in spots, fractures and along contacts. Cuts marble at 60 degrees to core axis.	350531 350532	274.8 297.5	275.3 298.0	.5 .5	n/a n/a	30 <5	n/a n/a	<.2 <.2	4 2
298.0 312.0	Local patches pink dolomite associated with chlorite-pyrite fractures.									
301.0 304.0	Start to see shearing parallel to core axis and then at 15 degrees to core axis lower down.									
302.0 304.0	Sheared, segmeneted fragments of biotite altered dyke with multiple fracturing.									
312.0 345.2	FELDSPAR PORPHYRY DYKE Felsic dyke -> may be very altered feldspar porphyry, but cannot tell now. - Silicified, very light brown-green to purple, frequently fractured at approximately 20 to 60 degrees to core axis as well as parallel to core axis. - Calcite generally fills fractures as well as pyrite. chlorite-sericite on slip faces plus or minus clay-altered material. - Masses of sericite (?) with pyrite and clay at upper 40 degrees contact -> faulted (?). - Local purple cast from biotization plus often green actinolite (?) in fractures associated with purplish sections -> local white tremolite (fibrous, radiating) as well.	350533 350534 350535 350536	312.0 324.8 331.6 336.4	313.0 326.7 333.6 337.4	1.0 1.9 2.0 1.0	n/a n/a n/a n/a	75 10 20 30	n/a n/a n/a n/a	<.2 <.2 <.2 <.2	1 n/a n/a n/a

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Hole No:	T89-11	Azimuth:	90.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-70.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA	Length (m):	317.30	Started:	APRIL 29, 1989	188.1	94.0	-70.5
Claim:	Lot 522	Elevation:	76.00	Completed:	MAY 3, 1989			
Co-ords: N:	9825.00	Casing: In	3.0	Logged By:	CN FORSTER			
E:	9870.00	Left	3.0					

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Hole No:	T89-12	Azimuth:	254.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-65.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	193.20	Started:	MAY 2, 1989 (NOON)	Depth	Azimuth	Dip
Claim:	Lot 517	Elevation:	53.00	Completed:	MAY 4, 1989 (6:00 P.M.)			
Co-ords:	N: 8582.00 E: 10513.00	Casing:	In 9.1m Out - Left 9.1m	Logged By:	RUSS CRAMSWICK			

INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
.0	9.1 CASING									
9.1	34.9 MARBLE									
	Very blocky to locally ground up, frequent sections of greenstone dyke rubble with low recovery.									
	- White to light grey with local pinkish (dolomite?) patches, fine to medium grained.									
	- Banding and green sericitic fractures at 40 degrees to core axis in first few meters.									
	- Very fine grained, weakly silicified grey to white sections with abundant chlorite-sericite(?) on abundant fractures at approximately 40 degrees and parallel to core axis -> very irregular fractures.									
	- Lots of disseminated pyrite + or - magnetite associated with these fractures (weak reaction to HCl). 26.6 10cm of rounded dyke rubble with poor recovery -> half is dark green and coated with blue-green soft mineral, other half is an altered feldspar porphyry (abundant feldspars).									
	29.6 31.5 Frequent clumps of green mud/clay with dyke fragments.									
	32.3 34.9 White to grey, rarely fractured with									

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
59.7 61.4	MARBLE White, but mottled yellowy-pink; coarse grained.									
61.4 62.3	GREENSTONE DYKE Similar to above dykes, no visible feldspars, pyritic gouge at lower 70 degrees contact. - Upper contact at 45 degrees to core axis.									
62.3 120.4	MARBLE Medium to coarse grained. white to locally grey, locally mottled, infrequent pyrite-sericite (at 45 degrees to core axis) fractures, stylolitic in places. local areas of irregular chlorite-sericite-filled fractures.									
79.3	Graphitic slip at 20 degrees to core axis with broken up grey marble and abundant stylolites immediately below it to 81.9.									
81.9 84.6	Frequent graphitic slips parallel to and at angle to core axis and abundant chlorite-sericite in patches and on fractures in white to pink (dolomitic) marble.									
120.4 120.6	DYKE Silicified dyke. very altered -> part is strongly biotized, rest has been bleached to a light green. - Secondary green amphibole (act?) on fractures, minor garnet epidote. - Fractures, contacts are graphitic, chloritic and pyritic slips at approximately 60 degrees to core axis.									
120.6 126.1	MARBLE Medium to coarse grained, white to mottled grey	350541	125.6	126.1	.5	n/a	10	n/a	<.2	n/a

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INTERVAL	(m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
129.7	157.3	FAULT									
		Hornblende - diorite. upper contact at approximately 60 degrees to core axis. top 30cm is gougy (pyritic, chloritic and graphitic) and top meter is very altered -> do not see coarse hornblendes until approximately 1m below contact.	350545	129.7	130.7	1.0	n/a	35	n/a	<.2	23
		- Generally light green with coarse dark green hornblende phenocrysts, but locally all dark green or white with dark green phenocrysts -> varies with amount of alteration.	350546	130.7	132.7	2.0	n/a	100	n/a	<.2	21
		- Locally epidote-altered (plus or minus K-feldspar), frequently cut by calcite plus or minus pink dolomite veins at 30 to 50 degrees to core axis and irregular down to 137.2.	350547	143.8	145.3	1.5	n/a	65	n/a	<.2	26
		- Fairly broken up with chloritic fracture surfaces and sometimes quite crumbly and altered.	350548	148.8	150.6	1.8	n/a	250	n/a	<.2	8
		- Most fractures breaking core at from 50 to 60 degrees to core axis.	350549	150.6	152.4	1.8	n/a	10	n/a	<.2	10
		- Strongly magnetic, pyrite fairly abundant throughout.									
		- Local garnet-pyroxene skarn associated with fracturing.									
		- Garnet actinolite in veins and clusters -> secondary. Often pyrite plus or minus chalcopyrite associated.									
		- Major variations in igneous textures from fine-grained, (often silicified) feldspathic to coarse igneous breccias to large, dark clusters of mafic minerals.									
		- Frequent graphitic slips subparallel to core axis.									
157.3	161.4	DYKE									
		Silicified dyke. may be part (a phase) of hornblende diorite, but doubtful.	350550	157.4	159.4	2.0	n/a	10	n/a	<.2	1
		- Non-magnetic and very different texture from hornblende diorite. biotized, bleaded (outward from fractures) purple-green, relict phenocrysts of (?) barely visible.	350551	159.4	161.4	2.0	n/a	10	n/a	<.2	3

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Hole No:	T89-13	Azimuth:	90.0	Core Size:	NQ	BOREHOLE TESTS:					
Project:	TEXADA	Dip:	-81.0	Contractor:	BURWASH	Depth	Azimuth	Dip	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	428.50	Started:	MAY 3, 1989	193.0	87.0	-81.0			
Claim:	Lot 522	Elevation:	73.00	Completed:	MAY 8, 1989	354.0	93.0	-81.5			
Co-ords:	N: 9825.00 E: 9828.00	Casing:	In 3 Out 0 Left 3	Logged By:	CN FORSTER						

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	phenocrysts. Sheared and broken, NO metasomatism. - Top contact broken @ 40 degrees to C/A, bottom contact gouged and sheared @ 40 degrees to C/A. 131.0.0 40 Cm band of marble.									
132.2 165.0	MARBLE Medium to coarse, white marble with short megacrystic sections to 139. 139.0 Grey, fine to medium grained marble. 143.0 Change back to medium grained, white to light grey marble, minor fracturing, patchy grey and bleached zones.									
165.0 171.0	FELDSPAR PORPHYRY DYKE Green, basaltic matrix with minor fractures filled with epidote. Top contact @ 10 degrees to C/A and sheared, bottom is broken.									
171.0 177.8	MARBLE Medium to coarse grained, white. Banding at 15 degrees to C/A at top of section. 171.5 FAULT Broken, gouge plus a green, feldspar porphyry dyke.									
177.8 180.7	FELDSPAR PORPHYRY DYKE Dark grey, quartz, feldspathic matrix. Ghosted phenocrysts, plagioclase plus/minus hornblende(?). - Top contact @ 70 degrees to C/A with 2 cm of garnet/pyroxene plus 10% pyrite. 179.5 10 cm band of coarse, crystalline magnetite with dark red garnet + epidote and hedenbergitic pyroxene at 30 degrees to C/A. Followed by 30 cm of bleached, light green, diopsidic material. Bottom contact of dyke is	350337	179.4	179.9	.5	n/a	290	n/a	<.2	n/a

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	sheared at 50 degrees to C/A.									
180.7 205.1	MARBLE Medium to fine grained, mottled grey to bleached with minor fracturing. 197.0 198.0 Medium to thin bedding @ 45 degrees to C/A. 205.0 Intensely bleached marble at lower contact.									
205.1 214.3	BIOTITE QUARTZ DIORITE Fine grained, siliceous, feldspathic matrix with biotite flakes. - Minor fracturing with quartz, k-feldspar alteration pervasive into the wall rock. - Fracturing and minor foliation @ 50 degrees to C/A. - Upper contact has 5 cm of garnet/pyroxene rind at 90 degrees to C/A, bottom contact sheared at 40 degrees to C/A with minor garnet/pyroxene development.									
214.3 225.8	MARBLE White, medium to coarse in top two metres. 215.5 1.5 metre band of fine, pelitic laminations @ 50 degrees to C/A. 217.0 221.6 Massive white, uniform marble. 221.6 225.9 Mottled grey to white marble.									
225.8 242.4	FELDSPAR PORPHYRY DYKE Contact with 1 cm garnet-pyroxene @ 35 degrees to CA. Fine grained, grey, dark feldspathic matrix with ghosted plagioclase phenocrysts. Minor banding at 55 degrees to CA. 226.5 229.0 Bleached, with pyroxene flooding&replacing dyke. Minor	350338	226.5	227.0	.5	n/a	10	n/a	<.2	1

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	fracturing and broken core. Traces of pyrite and pyrrhotite.									
287.9 296.0	DYKE Feldspar, biotite porphyry sheared, serpentized top contact. Carbonatized, - plagioclase phenocrysts and coarse biotite in a green, chloritic, andesitic matrix. - Bottom contact sheared and broken.									
296.0 357.5	MARBLE White to grey, fine to medium grained, massive. 297.0 Compositional banding @ 40 degrees to CA. 299.0 1 cm gouge (clay) zone. 303.0 316.0 Massive, medium grained, grey. Minor fractures, no banding. 316.0 321.0 Changes to white, fractured marble. 321.0 Grey and white, mottled and fractured. 325.0 White, massive. 327.5 Chloritic slip at 10 degrees to CA. 328.0 Grey marbles with patchy bleaching and weak to moderate fracturing. 333.5 Graphitic, pyritic slip @ 60 degrees to CA. 336.0 343.0 Grades into mostly massive, grey marble. 343.0 Fracturing with calcite gouge at 20 degrees to CA.									
357.5 358.1	QUARTZ DIORITE Contact @ 10 degrees to CA. Sheared, light, felsic, siliceous, leucocratic.									
358.1 359.2	SKARN Garnet - light, tan colored, light green	350339	358.1	359.1	1.0	n/a	<5	n/a	<.2	1

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INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
408.3	428.5	BIOTITE QUARTZ DIORITE								
		Medium to coarse grained, biotitic granitic, with mafic xenoliths.								
		- Minor fracturing, weak to no alteration.								
428.5	END OF HOLE									

Hole No:	T89-14	Azimuth:	225.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-53.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	45.30	Started:	MAY 5, 1989 (11:00 A.M.)			
Claim:	Lot 517	Elevation:	55.00	Completed:	MAY 6, 1989 (NOON)			
Co-ords: N:	8710.00	Casing: In	3.1	Out				
E:	10404.00	Left	3.1	Logged By:	RUSS CRANSWICK			

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Hole No:	T89-15	Azimuth:	225.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-75.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	176.80	Started:	MAY 6, 1989 (3:00 P.M.)			
Claim:	Lot 517	Elevation:	55.00	Completed:	MAY 8, 1989 (3:00 P.M.)			
Co-ords:	N: 8710.00 E: 10404.00	Casing:	In Out 8.2M Left 8.2M	Logged By:	RUSS CRANSWICK			

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
22.9 30.4	FELDSPAR PORPHYRY DYKE Dark green, relict feldspars visible as altered to epidote and more often chlorite (?). - Whole dyke silicified, abundantly microfractured and frequently cut by calcite and chlorite-sericite veins from approximately 45 degrees to parallel to core axis. - A few fractures at higher angle to core axis. - Frequent muddy chlorite-sericite slips and locally clay-altered breccias such as at 24.7. - Fine disseminated pyrite to pyrite concentrated along fractures -> approximately 1% total. - Local weak biotization, silicified. - Upper contact broken up, lower one sharp and at 50 degrees to core axis.									
30.4 35.2	MARBLE Grey, locally bleached white, minor stylolites, good banding - bedding ? at 50 degrees to core axis.									
35.2 44.0	FELDSPAR PORPHYRY DYKE Light to dark green, locally bleached, feldspar phenocrysts altered a dark green. - Frequently calcite-filled microfractures as well as wider veins at 45 degrees or higher to core axis brecciating the dyke. - 10cm chunk of marble caught up in dyke just below upper contact. - 3mm band of garnet at upper 40 degrees contact and scattered, but rare, garnet throughout. - Chlorite-sericite on fractures and frequently with muddy slips (30 to 50 degrees to core axis). - Local pervasive brown alteration -> biotite (?), minor hematite on fractures. - Lower contact with sheared marble/dyke is sharp and at 45 degrees to core axis. - Some minor secondary amphibole present.	350556	35.2	37.0	1.8	n/a	5	n/a	<.2	9
		350557	37.0	38.6	1.6	n/a	<5	n/a	<.2	4
		350558	38.6	40.2	1.6	n/a	25	n/a	<.2	12
		350559	40.2	42.1	1.9	n/a	10	n/a	<.2	4
		350560	42.1	44.0	1.9	n/a	5	n/a	<.2	4

INTERVAL (m) From: To:		DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
44.0	46.6	MARBLE Sheared dyke/marble - sheared at 45 degrees to core axis. sheared chlorite-sericite altered feldspar porphyry cut by abundant (also sheared) calcite veining with up to 30cm patches of white marble. - White marble sections cut by chlorite-sericite plus or minus pyrite veins/fractures, some of which are hematitic -> also pervasive brown mineral in some of marble -> garnet (?).	350561 350562	44.0 45.1	45.1 46.5	1.1 1.4	n/a n/a	45 20	n/a n/a	<.2 <.2	5 5
46.6	68.3	MARBLE White to pinkish (dolomitic sections), fine to medium grained, stylolitic, a few chlorite-sericite fractures, local disseminated pyrite, weak 25 degrees to core axis fabric. 49.1 10cm graphitic mud with marble fragments at 40 degrees to core axis. 51.5 51.8 Graphitic mud to marble fragments at 40 degrees to core axis. 52.3 54.1 Soft, fibrous brown mineral filling fractures to 1 cm with clusters of green garnet in them at low angles to core axis take up approximately 5 to 10% of marble. Locally hematitic with pyrite. 57.3 5cm sheared dyke fragments with brown alteration at 45 degrees to core axis. Pyrite bands parallel it, minor hematite spots. 61.1 Hematite-pyrite-filled fractures plus or minus green garnet at 10 to 20 degrees to core axis.	350563	46.6	47.6	1.0	n/a	15	n/a	<.2	2
68.3	69.2	GREENSTONE DYKE Sheared greenstone dyke. dark green, fine-grained, very altered to chlorite-sericite	350564 350565	52.3 68.3	54.1 69.2	1.8 .9	n/a n/a	10 <5	n/a n/a	<.2 <.2	n/a n/a

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	disseminated. - Upper contact at 40 degrees to core axis, lower one broken up and gougy.									
125.6 140.6	MARBLE Greyish-white and coarse in top meter. - Fine-grained and pure white to 132.4. A few sericite-coated fractures from 35 to 45 degrees to core axis and patches of sericite at 130.0. - Fine to medium grained, mottled grey from 132.4 to 137.5. Frequent stylolites, often brecciated texture.									
136.4	Ptygmatic graphite in marble just before serpentine-coated fracturing that bounds 20cm of black graphite-impregnated marble with graphitic slips at 50 degrees.									
137.2	15cm of white fragments at 40 degrees to core axis before a chlorite-sericite plus or minus serpentine fracture slip gives way to a mass of highly fractured green, glassy mineral in marble.									
137.2 140.6	End of marble from 137.5 - 140.6 is coarse, mottled white with local white gougy, altered sections containing tiny green garnets and patches of a soft brown mineral.									
140.6 141.4	SKARN Skarned marble - 30 to 40% garnet. - Upper 55 degrees contact has a fine bank of pyrite above it and a 10cm concentration of green garnet, scattered clusters of green garnet with minor brown soft mineral and trace pyrite in white marble until last 10cm where brown garnet is abundant and green garnet rare. - Lower contact at 45 degrees to core axis and is	350568	140.6	141.4	.8	n/a	1000	n/a	2.0	114

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	a chloritic slip.									
141.4 148.8	HORNBLENDE DIORITE Upper contact gougy and sheared at 30 degrees to core axis with epidote, calcite veining and minor brown garnet present. - Next meter sheared at approximately 45 degrees to core axis. - Whole unit very altered with abundant patches, spots and veins of secondary green amphibole -> actinolite, light green patches and veins of epidote, frequent spots of brown garnet, bleached patches, local biotized sections and fairly abundant pyrite (2 - 3% overall). - Feldspar locally altered to K-feldspar as well and minor calcite veining.	350569	141.4	143.0	1.6	n/a	50	n/a	<.2	30
148.8 150.8	DYKE Silicified dyke -> felsic-looking now, but probably once more mafic as there is evidence of biotization. - Light brown to grey colored, intensely fractured, very hard, bleached, secondary amphibole (actinolite) along fractures, relict bleached out biotization, very broken up -> minor pyrite along fractures.	350570	148.8	150.8	2.0	n/a	25	n/a	.2	9
150.8 176.8	HORNBLENDE DIORITE Dark green, coarse to megacrystic hornblendes dominate in a lighter colored matrix, strongly magnetic. - Frequently matrix is epidote-altered and down to 167.6 brown garnet is often present in these epidote-altered areas; also epidote veinlets. - Narrow calcite veining at low angles to core as well as wider calcite veins at approximately 60 degrees to core axis -> also calcite-filled gashes.	350571 350572	150.8 155.5	152.1 156.7	1.3 1.2	n/a n/a	25 105	n/a n/a	.2 <.2	17 59

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Hole No:	T89-16	Azimuth:	45.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	Texada	Dip:	-80.0	Contractor:	Burwash	Depth	Azimuth	Dip
Property:	Vananda Gold	Length (m):	553.20	Started:	May 8, 1989	370.0	48.0	-80.0
Claim:	Copper Queen	Elevation:	70.00	Completed:	May 17, 1989	550.0	58.0	-80.5
Co-ords:	N: 9577.00	Casing:	In 3.7 Out	Logged By:	C.N. Forster			
	E: 9831.00		Left 3.7					

INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
.0	3.7 OVERBURDEN									
3.7	47.9 MARBLE									
	Fine grained, grey, crystalline, moderately fractured, with bleaching focused along fractures and in patches. Occasional stylolitic veins. From 30 to 40, distinct fracturing and jointing at 30 degrees to core axis.									
	39.0 39.2 Weak to moderate silicification, bleached and fine grained marble.									
47.9	52.5 FELDSPAR PORPHYRY DYKE									
	Upper contact at 50 degrees to core axis. Silicified, biotitized matrix. Minor feldspar phenocrysts with pyrite disseminated and replacing plagioclase phenocrysts. Strongly sheared and broken, with top 30 cm brecciated with coarse, angular marble clasts. Bottom metre is similar with angular marble clasts in a fine grained, biotitic quartz diorite matrix. Minor epidote alteration. Contacts are irregular showing stoping of the igneous material into the marble, hence the brecciated nature.									

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	sub-rounded clasts in medium grained marble.									
205.0 205.1	FELDSPAR PORPHYRY DYKE 15cm band of pinkish, silic feldspar porphyry with fine disseminated pyrite.									
207.3 207.6	FELDSPAR PORPHYRY DYKE 30 cm purple, biotitic feldspar porphyry dyke at 45 degrees to core axis.									
209.3 213.0	FELDSPAR PORPHYRY DYKE Ghosted plagioclase and hornblende phenocrysts in a green, dioritic matrix. Top contact is 75 degrees to core axis and bottom contact is 85 degrees to core axis. Minor fracturing with calcite veins and minor bleaching.									
213.0 263.6	MARBLE Grey, featureless, minor fracturing with patchy bleaching and occasional breccia clasts. 237.5.0 Bleached, succroidal ot vuggy with coarse calcite. 249.5.0 Compositional banding at 40 degrees ot core axis. 258.5.0 FELDSPAR PORPHYRY DYKE 10 cm band of silic dyke.									
263.6 264.9	FELDSPAR PORPHYRY DYKE Very altered with pervasive biotization; hornblende altered to biotite and feldspars altered to secondary green amphibole (actinolite). Bleached light green around sulphide veinlets. 1 to 2 mm band of pyrrhotite at 65 degrees to core axis on the upper contact. Pyrrhotite and garnet along the lower contact at 40 degrees ot core axis, with diopside replacing the marble. Up to 2% pyrrhotite and pyrite disseminated and veinlets throughout.	350346	263.6	264.9	1.3	n/a	<5	n/a	<.2	5

[illegible]

[illegible]

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	352.0.0 FELDSPAR PORPHYRY DYKE pyrrhotite rich dyke fragments and irregular bands.									
	355.0.0 Tiny black laths of biotite (?) in cracks.									
	364.0.0 Black graphitic fractures sheared parallel to core axis. Parting near lower contact at 25 degrees to core axis.									
378.4 384.1	FELDSPAR PORPHYRY DYKE Soft, light green (sericite altered) in top 30 to 40 cm below the 30 degree to core axis upper contact. Remainder is dark green with ghosted feldspar with intermittent skarned sections with up to 60 cm of garnet, pyroxene and patches of light green diopside replacing dyke matrix. Local bleached areas around microfractures at 30 degrees to core axis where feldspars are white in a darker matrix. Weak biotization and lower contact is at 65 degrees to core axis.	350351 350352	379.3 380.4	380.4 381.9	1.1 1.5	n/a n/a	<5 <5	n/a n/a	<.2 <.2	2 8
384.1 406.3	MARBLE Medium to coarse grained, white to greyish, local sericitic fractures, some fracturing parallel to core axis with a whitish blue, soft mineral coating it. Last 1.8 metres contains approximately 2% pyrite, pyrrhotite and magnetite (hematite) along fractures and disseminated.	350353	404.5	406.3	1.8	n/a	<5	n/a	<.2	1
406.3 407.7	FELDSPAR PORPHYRY DYKE Sheared dyke and marble with an irregular upper contact of 45 degrees to core axis. Sheared contact where altered to chlorite, sericite calcite and serpentine veins and slips at 25 degrees to core axis. Lower in section is cooked up marble cut by sheared hairline graphitic fractures, chlorite veins and veins of a soft brown mineral (?).	350354	406.3	407.7	1.4	n/a	<5	n/a	<.2	7

[illegible]

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	to core axis. Bleached light green in upper 20 cm where brown garnet occurs at and below a 30 degree to core axis contact. A 25 cm biotite quartz diorite dyke cuts sharply across at 30 degree to core axis at 434.3. K-feldspar alteration of the contacts.									
434.9 437.3	BIOTITE QUARTZ DIORITE Sharp contacts with upper one at 45 degrees to core axis, and lower one at 20 degrees to core axis. Calcite veins cut the contact perpendicular to contact.									
437.3 449.3	FELDSPAR PORPHYRY DYKE Generally dark purple with weakly visible ghosted feldspars, blotchy calcite veining and frequent bleached microfractures at 50 degrees to core axis. Frequent patches of light green bleaching and up to 40 cm of garnetite development in centre of the dyke. Last 50 cm contains abundant brown garnet and bleaching above it as a result of a very low angled contact between the dyke and the marble below.	350356 350357	440.6 448.7	441.7 449.5	1.1 .8	n/a n/a	80 <5	n/a n/a	<.2 <.2	28 6
449.3 450.0	MARBLE White, megacrystic, skarned at upper and lower low angled contacts with the dykes.									
450.0 508.1	FELDSPAR PORPHYRY DYKE Feldspar, biotite porphyry diorite, with minor garnet and epidote at upper 20 degree contact. Fairly uniform, moderately biotized, very visible white feldspars along with visible mafics; biotite, magnetite, minor calcite veining at low angles to core axis and intense silicification with up to 2% pyrite. Purplish grey, green in	350358	507.6	508.1	.5	n/a	5	n/a	<.2	9

[illegible]

Hole No:	T89-17	Azimuth:	.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	Texada	Dip:	-90.0	Contractor:	Burwash	Depth	Azimuth	Dip
Property:	Vananda Gold	Length (m):	152.10	Started:	May 10, 1989			
Claim:	Lime #1 Fr.	Elevation:	167.00	Completed:	May 12, 1989			
Co-ords:	N: 5163.00 E: 11180.00	Casing:	In 3.0 Out Left 3.0	Logged By:	Russ Cranswick			

[illegible]

[illegible]

Hole No:	T89-18	Azimuth:	90.0	Core Size:	NQ	BOREHOLE TESTS:					
Project:	Texada	Dip:	-87.0	Contractor:	Burwash	Depth	Azimuth	Dip	Depth	Azimuth	Dip
Property:	Vananda Gold	Length (m):	166.10	Started:	May 12, 1989						
Claim:	Lime #1 Fr.	Elevation:	174.00	Completed:	May 14, 1989						
Co-ords:	N: 5062.00 E: 11146.00	Casing:	In 3.0 Out Left 3.0	Logged By:	Russ Cranswick						

[illegible]

[illegible]

Hole No:	T89-19	Azimuth:	270.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-90.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	86.60	Started:	MAY 14,1989	3.0	270.0	-88.0
Claim:	SANDY GRID	Elevation:	207.00	Completed:	MAY 15,1989			
Co-ords:	N: 4757.00 E: 10632.00	Casing:	In 3.0 Out Left 3.0	Logged By:	RUSS CRANSWICK			

INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
.0	3.0 CASING									
3.0	67.8 MARBLE									
	- med grained, mottled light grey, local white bands, frequent 2-3 cm boudinaged fragments of dyke with pyrite, local spots and patches of recrystallized white calcite ---> often brecciating dark grey fragments, minor chlorite-sericite-filled fractures.									
	60.4.0 Pyrite pyrite bands @ 50-60 degrees to C/A ---> parallel to bedding?									
	61.0 64.5 Irregular, sheared calcite or dolomite (?) veinlets locally brecciating marble -last meter of marble is bleached white before the last 30cm which is exoskarn --> 60% garnet >> pyroxene - most is coarse green garnet, some brown garnet and light green diopside plus calcite veining.	350581	67.5	68.6	1.1	n/a	45	n/a	<.2	32
67.8	86.6 BASALT									
	-fine grained, dark green basalt with dark green, altered amygdules near top; white and unaltered	350582	68.6	69.9	1.3	n/a	15	n/a	<.2	20

[illegible]

Hole No:	T89-20	Azimuth:	.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	Texada	Dip:	-90.0	Contractor:	Burwash	Depth	Azimuth	Dip
Property:	Vananda Gold	Length (m):	98.80	Started:	May 15, 1989 (9:30 pm)	Depth	Azimuth	Dip
Claim:	B40894	Elevation:	202.00	Completed:	May 16, 1989 (10:30 pm)			
Co-ords: N:	4757.00	Casing: In	3.0	Logged By:	Russ Cranswick			
E:	10579.00	Left	3.0					

INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
.0	3.0 CASING									
3.0	76.2 MARBLE									
	Medium to coarse grained; grey, locally bleached white and banded at 55 degrees to CA; locally rusty-stained; a few pyritic dyke fragments near top; blotches of white calcite common lower down.	350583	75.9	76.7	.8	n/a	195	n/a	<.2	973
	- last 30 cm consists of a coarsely crystalline band of pyrite parallel to CA enveloped by magnetite in marble with disseminated euhedral garnets ---> pyrite - magnetite also occurs at the irregular contact between marble above and garnet-skarned volcanic below.									
76.2	78.5 SKARN									
	- top 40 cm contains abundant pervasive and disseminated euhedral brown garnet +/- diopside?;	350584	76.7	77.7	1.0	n/a	90	n/a	<.2	483
	rest is strongly silicified grey to brown to light green hornfelsed volcanic with intermittent pervasive garnet and frequent pervasive green diopside? containing abundant pyrite, pyrrhotite (clots and disseminations) + epidote-altered amygdules.	350585	77.7	78.5	.8	n/a	45	n/a	<.2	418

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Hole No:	T89-21	Azimuth:	.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	Texada	Dip:	-90.0	Contractor:	Burwash	Depth	Azimuth	Dip
Property:	Vananda Gold	Length (m):	59.70	Started:	May 17, 1989			
Claim:	B40894	Elevation:	202.00	Completed:	May 18, 1989			
Co-ords:	N: 4757.00 E: 10530.00	Casing:	In 3.0 Out Left 3.0	Logged By:	Russ Cranswick			

[illegible]

Hole No:	T89-22	Azimuth:	.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	Texada	Dip:	-90.0	Contractor:	Burwash	Depth	Azimuth	Dip
Property:	Vananda Gold	Length (m):	96.00	Started:	May 18, 1989	Depth	Azimuth	Dip
Claim:	Brownie #1 Fr.	Elevation:	192.00	Completed:	May 19, 1989			
Co-ords: N:	5156.00	Casing: In 3	Out 0	Logged By:	C.N.Forster			
E:	10525.00	Left 3						

INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
.0	3.0 OVERBURDEN									
3.0	32.0 MARBLE White, medium to coarse grained. - minor pyritic stylolites and wavy pelitic bands.									
32.0	77.6 MARBLE Grey, fine to medium grained to 50 metres. - contact with white is sharp @ 90 degrees to C/A. 50.0 63.0 Start of chert pebble concretions, white and black, in fine, pelitic, laminated limestone. - slump structures and wavy calcitic bands to 63 metres. 63.0 74.0 Medium grained with occasional smaller, rounded to sub-angular clasts. 74.0 77.6 Marble is more bleached but still light grey.									
77.6	96.0 BASALT 77.6 81.3 Basalt altered to silicified, garnet, epidote skarn with 5% py.	350588 350589	77.8 78.8	78.8 80.8	1.0 2.0	n/a n/a	20 35	n/a n/a	<.2 <.2	121 180

[illegible]

Hole No:	T89-23	Azimuth:	.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	Texada	Dip:	-90.0	Contractor:	BURWASH	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	70.70	Started:	MAY 19, 1989	Depth	Azimuth	Dip
Claim:	Brownie #1 Fr.	Elevation:	187.00	Completed:	MAY 20, 1989			
Co-ords:	N: 5156.00 E: 10594.00	Casing:	In 3.3 Out 0 Left 3.3	Logged By:	C.N.FORTSTER			

INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
.0	3.5 OVERBURDEN									
3.5	59.0 MARBLE Medium grey, medium grained, featureless. No bedding or laminations.									
19.5	22.0 MARBLE Coarse grained, white marble then back into the featureless, grey marble.									
35.0	Thin bedded marble with sub-angular, cherty clasts. Bedding @ 75 degrees to core axis. Minor brecciation and fracturing with calcite filling fractures.									
39.0	30 cm of silic, pyritic dyke; broken core, pyrite approximately 10 % disseminated and along fractures.									
42.0	Feldspar porphyry dyke, 30 cm, pyritic.									
43.5	20cm; feldspar porphyry dyke, pyritic, broken.									
47.0	49.0 Large patches of bleaching in the grey marble.									
49.0	Sub-angular, cherty (sharpstone) breccia--thin laminated marble at 60 degrees to core axis.									
53.0	59.0 Marble is light grey and moderately	350594	58.9	59.9	1.0	n/a	<5	n/a	<.2	37

[illegible]

Hole No:	T89-24	Azimuth:	.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	TEXADA	Dip:	-90.0	Contractor:	Burwash	Depth	Azimuth	Dip
Property:	VANANDA GOLD	Length (m):	150.00	Started:	May 20, 1989	Depth	Azimuth	Dip
Claim:	Brownie #1 Fr.	Elevation:	212.00	Completed:	May 22, 1989			
Co-ords:	N: 5156.00 E: 10420.00	Casing:	In 2.7 Out 0 Left 2.7	Logged By:	C.N. Forster			

INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
.0	2.7 OVERBURDEN									
2.7	126.0 MARBLE									
	Grey, fine grained, recrystallized, massive, no bedding or laminations.									
	10.0 11.5 Calcite stockwork breccia, no bleaching.									
	34.0 35.5 Bleached, medium grained marble.									
	35.8 37.0 Feldspar porphyry, quartz diorite dyke, weakly sericitic, contacts are fractured.									
	42.5 30cm silic, pyritic dyke.									
	58.5 First evidence of chert clasts.									
	71.0 Start of chert pebble conglomerate (breccia) and fine grained, dark grey, pelitic limestone.									
	95.0 Increase in fine calcite stockworks along laminations, in fractures and outlining the chert clasts.									
	105.0 Fine to medium grained marble, with occasional fine grained lamellae. at 112, bedding is 60 degrees to core axis.	350602	125.4	126.4	1.0	n/a	<5	n/a	<.2	201

INTERVAL (m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
126.0	135.0	BASALT								
		350603	126.4	127.4	1.0	n/a	35	n/a	<.2	316
		350604	127.4	128.4	1.0	n/a	10	n/a	<.2	249
		350605	128.4	129.4	1.0	n/a	15	n/a	<.2	218
		Karmutsen Basalt- Contact is 70 degrees to core axis. Top metre is metasomatized with 2 cm of garnet at contact then garnet filling vesicules. -epidote throughout plus diopside and pyrite to 15% in top metre of section.								
	129.0	350606	129.4	130.4	1.0	n/a	20	n/a	<.2	164
		350607	130.4	131.4	1.0	n/a	5	n/a	<.2	184
		350608	131.4	132.4	1.0	n/a	<5	n/a	<.2	237
		350609	132.4	133.4	1.0	n/a	<5	n/a	.4	145
		350610	133.4	134.4	1.0	n/a	<5	n/a	.2	124
	134.0	350611	134.4	135.4	1.0	n/a	<5	n/a	.2	84
		Broken, brecciated core, fault zone. Quartz, calcite, pyrite (hematite) stringers.								
135.0	150.0	FELDSPAR PORPHYRY DYKE								
		350612	135.4	136.4	1.0	n/a	<5	n/a	.2	208
		350613	136.4	137.4	1.0	n/a	<5	n/a	<.2	59
		350614	137.4	138.4	1.0	n/a	<5	n/a	.2	11
		350615	138.4	139.4	1.0	n/a	<5	n/a	.2	34
		350616	139.4	140.2	.8	n/a	<5	n/a	.2	30
		Contact is broken and brecciated to 138.7. Then into massive Feldspar porphyry with a quartz, feldspathic matrix. Leucocratic, fine grained with sericitic (clay) alteration. Feldspar phenocrysts are ghosted, some K-feldspar (pink) phenocrysts and moderate calcite-filled fractures.								
150.0		END OF HOLE								

Hole No:	T89-25	Azimuth:	270.0	Core Size:	NQ	BOREHOLE TESTS:		
Project:	Texada	Dip:	-50.0	Contractor:	Burwash	Depth	Azimuth	Dip
Property:	Vananda Gold	Length (m):	242.90	Started:	May 22, 1989			
Claim:	Brownie #1 Fr.	Elevation:	186.00	Completed:	May 26, 1989			
Co-ords: N:	5156.00	Casing: In	3.6	Out				
E:	10626.00	Left	3.6	Logged By:	Russ Cranswick			

[illegible]

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	(sometimes squat and angular)--fragments from about 1mm to 2-3cm in size and vary in abundance, local soft-sediment deformation, abundant calcite parallel to bedding and in irregular masses. 77.1 77.4 FELDSPAR PORPHYRY DYKE -Sericite altered.									
81.0 83.8	MARBLE -Fine grained, light grey to bleached grey in last 1.5m, stylolitic, chlorite-pyrite on fractures in bottom 30cm.	350617	82.8	83.8	1.0	n/a	<5	n/a	<.2	47
83.8 143.6	BASALT -Amygdaloidal Basalt. -Top 80cm is skarned with garnet +\- pyroxene replacing amygdules, patchy epidote alteration, and pervasive bleaching. -Below this is dark green, fine grained volcanic cut by abundant calcite and epidote microfractures (frequently parallel to core axis), often showing visible amygdules to 1cm. -Epidote +\- garnet in veins often parallel to core axis and locally replacing amygdules and larger calcite veins locally brecciating volcanics. -Abundant pyrite > pyrrhotite > chalcopyrite in veinlets, spots and disseminated (>10% locally). -Locally bleached, locally purplish from biotite (?) alteration and local actinolite alteration. -Local strong chloritization with multidirectional chlorite slips--broken up. -This alteration increases in frequency below 115.8 -Veins often fill gash fractures, rare quartz with calcite.	350618 350619 350620	83.8 84.5 86.0	84.5 86.0 87.7	.7 1.5 1.7	n/a n/a n/a	15 15 <5	n/a n/a n/a	.2 <.2 .2	195 203 162
87.7 88.0	Hornblende-feldspar porphyry dyke. Euhedral hornblende phenocrysts and tiny feldspar phenocrysts. Cut by epidote and calcite veinlets.	350621 350622 350623 350624	87.7 89.0 90.7 92.1	89.0 90.7 92.1 93.5	1.3 1.7 1.4 1.4	n/a n/a n/a n/a	5 <5 <5 <5	n/a n/a n/a n/a	.2 .2 .2 .4	209 185 310 1110
93.5 94.5	-Chalcopyrite-rich section.	350625 350626	93.5 94.5	94.5 96.0	1.0 1.5	n/a n/a	160 <5	n/a n/a	2.0 <.2	>10000 381

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INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	-Amygdaloidal Basalt.	350655	155.6	156.6	1.0	n/a	15	n/a	<.2	108
	-Similar to that of above dyke.	350656	160.9	162.4	1.5	n/a	15	n/a	<.2	227
	-10cm below dyke contains pervasive brown garnet with pyrite, epidote spots and rare spots magnetite (associated with pyrite).	350657	162.4	163.9	1.5	n/a	30	n/a	<.2	119
	-Epidote spots continue to about 1m below contact.	350658	163.9	165.4	1.5	n/a	<5	n/a	.6	52
	-Becomes strongly amphibolitic from 160.9 down to lower contact with a large dyke.	350659	165.4	166.9	1.5	n/a	10	n/a	.4	93
	-Medium to coarse grained, lots of secondary actinolite, chloritic, local patches epidote, minor garnet-epidote in amygdules, calcite gash veins throughout, patchy pyrite.	350660	166.9	167.9	1.0	n/a	<5	n/a	.2	93
	-Almost looks intrusive in places.									
167.9 182.4	FELDSPAR PORPHYRY DYKE									
	-Contacts at 60 degrees to core axis.									
	-Abundant feldspars, silicified, some quartz as well as tiny hornblendes--looks intrusive.									
	-Feldspars locally sericite-altered, rarely pink potassium feldspar.									
	-About 2% disseminated pyrite overall, abundant calcite gash fractures and veinlets, frequent parting at 50 degrees to core axis.									
	-Overall colour a light green/grey and coarse grained.									
182.4 185.3	BASALT									
	-Amygdaloidal Basalt.	350661	182.4	183.4	1.0	n/a	10	n/a	.6	147
	-Fine grained, green to purplish-green, very sheared up and altered with lots of calcite gash fractures; locally light green; calcite on slips, bleached with abundant pyrite veinlets at upper contact where 5cm of calcite bounds dyke from basalt; local epidote-calcite, one large calcite-quartz vein (about 1cm).	350662	183.4	184.4	1.0	n/a	60	n/a	.4	178
	-3% pyrite overall.	350663	184.4	185.3	.9	n/a	<5	n/a	.4	179

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Hole No:	T89-26	Azimuth:	270.0	Core Size:	NQ	BOREHOLE TESTS:					
Project:	Texada	Dip:	-50.0	Contractor:	Burwash	Depth	Azimuth	Dip	Depth	Azimuth	Dip
Property:	Vananda Gold	Length (m):	242.30	Started:	May 26, 1989	202.1	272.0	-50.5			
Claim:	SANDY	Elevation:	162.00	Completed:	May 29, 1989						
Co-ords:	N: 5387.00 E: 10656.00	Casing:	In 3.7 Out Left 3.7	Logged By:	Russ Cranswick						

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INTERVAL	(m)	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
67.7	102.8	FELDSPAR PORPHYRY DYKE -Contacts at 45-50 degrees to core axis. -Fine grained light green/grey matrix with coarse yellow/green, sericite-altered feldspar phenocrysts, abundant microfracturing, silicified, frequently intensely clay-altered and broken up as at upper and lower contacts, frequent fractures/sericite slips at 40-60 degrees to core axis, microfractures and gashes filled with calcite. -Mafics to 10% are very small (about 1mm) and probably hornblendes. -1-2% disseminated pyrite--local spots of pyrite as well -Chlorite-altered in bottom 50cm.	350723	77.7	78.7	1.0	n/a	<5	n/a	<.2	6
			350667	101.8	102.8	1.0	n/a	20	n/a	.2	45
102.8	103.9	FELDSPAR PORPHYRY DYKE -Mineralized -Silicified, chlorite-altered feldspar porphyry bounded top and bottom by 10-15cm of silicified marble/quartz (?) that is intensely microfractured and calcite-veined and contains 30-40% pyrite and 2-3% chalcopyrite -Rest of the dyke contains pyrite stringers and silicified calcite/quartz (?) veins at about 45 degrees to core axis -About 5-10% pyrite overall, trace to 1% chalcopyrite.	350668	102.8	103.9	1.1	.496	>10000	n/a	7.0	2240
103.9	105.0	MASSIVE SULPHIDE -Upper contact with dyke sharp and at about 50 degrees to core axis, lower contact irregular with alternating pyrite/limestone in last 10cm--looks like replacement. -80% pyrite (both very fine grained, and dull plus shinier, crystalline pyrite), 7% limestone, 3% quartz, 5% chlorite, 5% graphite, trace chalcopyrite.	350669	103.9	105.0	1.1	n/a	3380	n/a	2.8	2840

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
105.0 105.8	LIMESTONE -Medium grey, fine grained, stylolitic (with pyrite), abundant calcite microfractures. -Cut by a 30cm piece of feldspar porphyry dyke.									
105.8 123.0	FELDSPAR PORPHYRY DYKE -Strongly sericite and clay altered, very broken up (rarely > 10cm). -Very similar to 67.7-102.8. -Upper contact at 20 degrees to core axis, lower one at low angle and muddy.									
123.0 167.3	MARBLE -Upper few meters limestone. -Fine to medium grained, medium grey, well bedded, thinly laminated fragmental unit down to 140.7--bedding between 30 and 50 degrees to core axis. -Abundant irregular calcite-filled microfractures and white calcite pods and veins to 131.8. -Abundant stylolites. -Fragments are dark grey, silicified and pyritic and occur lenticularly (parallel to bedding) and as more squat, angular fragments. -Below 140.7 marble is light grey to white, medium grained and more massive--calcite veins, stylolites and bedding less evident--probably masked by recrystallization. -A few muddy or graphitic slips. -A few small pieces of greenstone dyke usually with 1-5mm pyrite at 30 degrees contact with marble--the largest and most altered one occurs from 154.9-156.2: it is calcite veined, silicified and skarned to a pale tan/green (diopside-garnet) intermittently with 2-3% pyrite. -Start to see evidence of marble being cooked up at about 165.0.	350724 350725 350670 350671	123.0 124.5 154.9 165.8	124.5 126.0 156.2 167.3	1.5 1.5 1.3 1.5	n/a n/a n/a n/a	<5 <5 40 30	n/a n/a n/a n/a	<.2 <.2 <.2 <.2	1 1 48 87

INTERVAL (m) From: To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter- val (m)	Au oz/t	Au ppb	Ag oz/t	Ag ppm	Cu ppm
	-At 165.8 a stylolite at 30 degrees to core axis bounds grey marble above from very cooked up white to grey marble below with abundant pyrite and opaque filled stylolites--locally megacrystic.									
167.3 169.0	FELDSPAR PORPHYRY DYKE -Fault! -Contacts at about 25 degrees to core axis -Intensely clay altered and muddy--falls apart; green/brown, abundant calcite veining, looks to be skarned but everything too altered to say for sure.	350672	167.3	169.0	1.7	n/a	<5	n/a	<.2	11
169.0 177.2	MARBLE -Fine-medium grained; mottled light grey/white; diffuse irregular calcite veining; abundant pyrite along stylolites, in bleached white bands (30 degrees to core axis) and disseminated--7% overall. -Bleached white 50cm above contact and fairly cooked up throughout.	350673 350674 350675 350676 350677 350678	169.0 170.5 172.0 173.9 175.4 177.0	170.5 172.0 173.9 175.4 177.0 178.5	1.5 1.5 1.9 1.5 1.6 1.5	n/a n/a n/a n/a n/a n/a	<5 <5 <5 <5 <5 5	n/a n/a n/a n/a n/a n/a	<.2 <.2 <.2 <.2 <.2 <.2	9 30 9 20 9 37
177.2 212.1	FELDSPAR PORPHYRY DYKE -Skarned -Low angled (5-10 degrees to core axis) upper contact is sheared and altered with marble fragments and abundant irregular calcite veins. -Dyke is dark green, quite altered and only about 30% skarned down to 181.0. -From 181.0 to volcanic contact (which is hazy and hard to distinguish) is about 70-100% skarn with an epithermal (?) overprint. -Skarn minerals include diopside, garnet and epidote--all three occur pervasively and in patchy crystalline form (garnet>diopside>>epidote). -Overall colour is light brown/green to whitish as the soft, altered skarn looks when dry. -Abundant calcite +/- quartz veining with microfracture-filling still visible as are a few	350679 350680 350681 350682 350683 350684 350685 350686 350687 350688 350689 350690 350691 350692 350693	178.5 179.8 181.0 182.0 183.0 184.0 185.0 186.0 187.0 188.0 189.0 190.0 191.0 192.0 193.0	179.8 181.0 182.0 183.0 184.0 185.0 186.0 187.0 188.0 189.0 190.0 191.0 192.0 193.0 194.0	1.3 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	<5 10 <5 10 25 5 <5 10 <5 <5 <5 30 10 <5 5	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	<.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2 <.2	104 313 90 139 294 159 76 291 193 77 84 307 186 190 206

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