TITLE PAGE

Hole ID	**SR-13-03**	***Project***	**Watershed**

Section	L13	***Easting***	428475	***Source***	GPS
Site	Surface	***Northing***	5266550	***Azimuth***	170
Twp	Chester	***Elevation***	392	***Dip***	-60
Claim	3011820	***Grid***	UTM NAD83	***Length***	303.00 *m*

Logged by	Eden Hynes	***DDH Started***	18-Jan-13
Geotechnician	Don Lashbrook	***DDH Finished***	20-Jan-13
Geotech Type	Basic	***Log Completed***	21-Jan-13
Drill Contractor	Surface Contract Drilling	***Last Updated***	23-Feb-13
Core Size	NQ2		

DIP TESTS (other than Maxibor)

Depth	*Azimuth*	*Dip*	*Type*
15.00	170.60	-60.40	EZ
51.00	172.50	-60.90	EZ
102.00	172.50	-60.90	EZ
150.00	174.40	-60.70	EZ
201.00	176.30	-60.70	EZ
252.00	177.90	-60.60	EZ
300.00	179.50	-60.70	EZ

Available Analyses:	***FA***	Yes	***GRAV***	No	***MET***	No	***ICP***	Yes	***WR***	No

Summary

Core is stored at the Sanatana core shack behind the Watershed Car and Truck Stop, corner of Hwy 144 and 560.

Sanatana Resources Inc. Drill Log
Watershed

Signature: _____

Initials: _____

SR-13-03

From	To	Litho
0.00	2.30	OVB

Casing, overburden.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					2.30	3.00	P364632	0.028	CORE
					2.30	21.40	W			W					VW													2.30	21.40	0.1	DISS	-							
																																					3.00	4.00	P364633	0.008	CORE
																																					4.00	5.00	P364634	0.009	CORE
																																					5.00	6.00	P364635	0.025	CORE
																																					6.00	7.00	P364636	0.036	CORE
																																					7.00	8.00	P364637	0.007	CORE
																																					8.00	9.00	P364638	0.010	CORE
																																					9.00	10.00	P364639	0.028	CORE
																																					10.00	10.00	P364640	0.335	52C
																																					10.00	11.00	P364641	0.113	CORE
																																					11.00	12.00	P364642	0.032	CORE
																																					12.00	13.00	P364643	0.034	CORE
																																					13.00	14.00	P364644	0.032	CORE
																																					14.00	15.00	P364645	0.079	CORE
																																					15.00	16.00	P364646	0.015	CORE
																																					16.00	17.00	P364647	0.046	CORE
																																					17.00	18.00	P364648	0.011	CORE
																																					18.00	19.00	P364649	0.057	CORE
																																					19.00	19.00	P364650	0.002	BLK
																																					19.00	20.00	P364651	0.005	CORE
																																					20.00	20.90	P364652	0.007	CORE
																																					20.90	21.40	P364653	0.003	CORE
21.39	21.40	CNT	35																																						

From	To	Litho
2.30	21.40	9a

Medium green mottled with pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Feldspars are medium grained while the pyroxene and amphiboles are very fine-grained. Very weak patchy calcite alteration throughout. The chlorite in the unit is a pervasive alteration product and is strong. Zones of recrystallization that appear pink throughout as a weak daisy texture where there are quartz eyes with the feldspars nucleated upon the quartz and forming interlocking flowers around them. Trace pyrite. Lower contact is oriented at 35 degrees to the core axis.

From	To	Litho
21.40	22.20	6em

Mafic feldspar porphyry. Feldspars form phenocrysts (milky green to slightly creamy coloured and are tiny, but porphyritic in comparison with the matrix) in a very fine grained matrix of pyroxenes and amphiboles +chlorite. Phenocrysts make up 30% of the constituent mineralogy while the other minerals are difficult to distinguish. Mottled dark green appearance. Quartz-calcite ribbon vein through the entire unit - 30% quartz-calcite veining. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
22.19	22.20	CNT	50	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
21.40	22.20	30	RBV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	V/G	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
21.40	22.20	P364654	<0.001	CORE

From	To	Litho
22.20	47.70	9a

Medium green mottled with pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Feldspars are medium grained while the pyroxene and amphiboles are very fine-grained. Very weak patchy calcite alteration throughout. The chlorite in the unit is a pervasive alteration product and is strong. Zones of recrystallization that appear pink throughout as a weak daisy texture where there are quartz eyes with the feldspars nucleated upon the quartz and forming interlocking flowers around them. Trace pyrite through most of the interval. Between 40m and 41.6m there is a zone of moderate epidote alteration, 5% quartz-calcite veining and 3% chalcopyrite with trace pyrite. Lower contact is oriented at 80 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
22.20	40.00	W			W					VW				

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	V/G	Min	Min%	Min2	M2%
22.20	40.00	0.1	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
22.20	23.00	P364655	0.091	CORE
23.00	24.00	P364656	0.007	CORE
24.00	25.00	P364657	0.005	CORE
25.00	26.00	P364658	0.003	CORE
26.00	27.00	P364659	0.126	CORE
27.00	27.00	P364660	0.088	DUP
27.00	28.00	P364661	0.019	CORE
28.00	29.00	P364662	0.160	CORE
29.00	30.00	P364663	0.043	CORE
30.00	31.00	P364664	0.056	CORE
31.00	32.00	P364665	0.120	CORE
32.00	33.00	P364666	0.053	CORE
33.00	34.00	P364667	0.238	CORE
34.00	35.00	P364668	0.061	CORE
35.00	36.00	P364669	0.011	CORE
36.00	36.00	P364670	9.140	62C
36.00	37.00	P364671	0.025	CORE
37.00	38.00	P364672	0.093	CORE
38.00	39.00	P364673	0.017	CORE
39.00	40.00	P364674	0.005	CORE
40.00	41.00	P364675	0.351	CORE

From	To	Litho
22.20	47.70	9a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
47.69	47.70	CNT	80	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
40.00	41.60	M			W					VW				M
41.60	47.70	W			W					VW				

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
40.00	41.60	5	EGQV		QZ-AK			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
40.00	41.60	0.5	DISS	-	CP	3		
41.60	47.70	0.1	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
41.00	41.60	P364676	0.214	CORE
41.60	42.10	P364677	0.002	CORE
42.10	43.00	P364678	0.011	CORE
43.00	44.00	P364679	0.008	CORE
44.00	44.00	P364680	<0.001	BLK
44.00	45.00	P364681	0.013	CORE
45.00	46.00	P364682	0.016	CORE
46.00	47.00	P364683	0.009	CORE
47.00	47.70	P364684	0.001	CORE

From	To	Litho
47.70	50.00	1f

Chlorite-calcite schist. Moderately to strongly sheared at 60 degrees to the core axis. 35% shear-style calcite veining. Some residual granitic-type texture identifiable (quartz eyes) in centre of the unit. 1% disseminated pyrite. Lower contact is obscured by veining.

STRUCTURES

From	To	Struct	CA	Strain
47.70	49.99	SH	60	S
49.99	50.00	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
47.70	50.00	S			S					S				

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
47.70	50.00	35	SHV		CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
47.70	50.00	1	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
47.70	49.00	P364685	0.089	CORE
49.00	50.00	P364686	0.018	CORE

From	To	Litho
50.00	57.20	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 35% feldspars, 35% quartz (white quartz and blue quartz eyes), 10% plagioclase and, 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Moderate crackle fractured throughout (healed with chlorite). Trace pyrite - concentrated predominantly in crackle fracture. Lower contact is sharp, irregular and oriented at a very low angle to the core axis.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
50.00	51.00	P364687	0.048	CORE

From	To	Litho
50.00	57.20	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 35% feldspars, 35% quartz (white quartz and blue quartz eyes), 10% plagioclase and, 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Moderate crackle fractured throughout (healed with chlorite). Trace pyrite - concentrated predominantly in crackle fracture. Lower contact is sharp, irregular and oriented at a very low angle to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
50.00	57.19	BXB		M
		Crackle fractures - chloritic		
57.19	57.20	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
50.00	57.20	S			M	M			S					
		Hematite staining.												

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
50.00	57.20	0.5	VLT	-				

SAMPLES

From	To	Sample	Au g/t	Type
51.00	52.00	P364688	0.025	CORE
52.00	53.00	P364689	0.033	CORE
53.00	53.00	P364690	0.026	DUP
53.00	54.00	P364691	0.023	CORE
54.00	55.00	P364692	0.003	CORE
55.00	56.00	P364693	0.008	CORE
56.00	57.20	P364694	0.410	CORE

From	To	Litho
57.20	58.80	5h

Strongly chloritic, blocky and weakly foliated mafic dyke. Dark green. Foliation is oriented at 20 degrees to the core axis. 5% late white calcite veins. 1% subhedral pyrite. Lower contact is oriented at 70 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
57.20	58.79	FOL	20	
58.79	58.80	CNT	70	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
57.20	58.80	S				S								

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
57.20	58.80	5	LWV		CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
57.20	58.80	1	SEUH	-				

SAMPLES

From	To	Sample	Au g/t	Type
57.20	58.00	P364695	0.008	CORE
58.00	58.80	P364696	0.003	CORE

From	To	Litho
58.80	92.00	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 35% feldspars, 35% quartz (white quartz and blue quartz eyes), 10% plagioclase and, 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Moderate crackle fractured throughout (healed with chlorite). The beginning of the unit (from 58.8m to 60.8m) is very strongly sheared at 55 degrees to the core axis. 0.5% - concentrated predominantly in crackle fracture. Lower contact is oriented at 70 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
58.80	60.80	SH	55	VS
60.80	91.99	BXB		W

Weak chloritic crackle fracturing

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
58.80	92.00	S			W	M			S					

Weak to moderate hematite staining.

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
58.80	92.00	0.5	VLT	-				

SAMPLES

From	To	Sample	Au g/t	Type
58.80	59.80	P364697	<0.001	CORE
59.80	60.80	P364698	<0.001	CORE
60.80	62.00	P364699	0.014	CORE
62.00	62.00	P364700	1.570	15D
62.00	63.00	P364701	0.048	CORE
63.00	64.00	P364702	0.005	CORE
64.00	65.00	P364703	<0.001	CORE
65.00	66.00	P364704	0.002	CORE
66.00	67.00	P364705	0.011	CORE
67.00	68.00	P364706	0.023	CORE
68.00	69.00	P364707	0.008	CORE
69.00	70.00	P364708	0.015	CORE
70.00	71.00	P364709	0.007	CORE
71.00	71.00	P364710	<0.001	BLK
71.00	72.00	P364711	0.003	CORE
72.00	73.00	P364712	0.001	CORE
73.00	74.00	P364713	0.129	CORE
74.00	75.00	P364714	7.800	CORE
75.00	76.00	P364715	0.562	CORE
76.00	77.00	P364716	0.010	CORE
77.00	78.00	P364717	0.015	CORE
78.00	79.00	P364718	0.018	CORE
79.00	80.00	P364719	0.026	CORE
80.00	80.00	P364720	0.015	DUP
80.00	81.00	P364721	0.004	CORE
81.00	82.00	P364722	0.180	CORE
82.00	83.00	P364723	0.021	CORE
83.00	84.00	P364724	0.044	CORE
84.00	85.00	P364725	<0.001	CORE
85.00	86.00	P364726	<0.001	CORE
86.00	87.00	P364727	0.001	CORE
87.00	88.00	P364728	<0.001	CORE
88.00	89.00	P364729	0.028	CORE

From	To	Litho
58.80	92.00	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					89.00	89.00	P364730	1.530	15D
																																				89.00	90.00	P364731	0.009	CORE
																																				90.00	91.00	P364732	0.100	CORE
																																				91.00	92.00	P364733	0.009	CORE
91.99	92.00	CNT	70																																					

From	To	Litho
92.00	93.40	5h

Strongly chloritic mafic. Dark blue-green. 1% calcite veining. 0.5% pyrite. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					92.00	92.90	P364734	0.121	CORE
					92.00	93.40	S			S										92.00	93.40	1	LWV		CA			92.00	93.40	0.5	MG		-							
																																					92.90	93.40	P364735	0.042	CORE
93.39	93.40	CNT	60																																					

From	To	Litho
93.40	96.10	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 35% feldspars, 35% quartz (white quartz and blue quartz eyes), 10% plagioclase and, 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Moderate crackle fractured throughout (healed with chlorite). 0.5% - concentrated predominantly in crackle fracture. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					93.40	94.00	P364736	0.100	CORE
93.40	96.09	BXB		W																																				
Chloritic crackle fractures.																																								
					93.40	96.10	S			M	M			S															93.40	96.10	0.5	DISS		-							
					Weak to moderate hematite staininig.																																					
																																					94.00	95.00	P364737	0.019	CORE
																																				95.00	96.10	P364738	0.039	CORE
96.09	96.10	CNT	60																																					

From	To	Litho
96.10	97.20	10a

Porphyritic lamprophyre. Biotite phenocrysts throughout. Deep green-purple due to hematite staining. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
97.19	97.20	CNT	50	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
97.20	108.20	S			M	M			VS					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
108.20	110.40	1	EGQV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
97.20	108.20	0.5	VLT	-				
108.20	110.40	0.5	-	-				

SAMPLES

From	To	Sample	Au g/t	Type
96.10	97.20	P364739	0.001	CORE
97.20	97.20	P364740	<0.001	BLK
97.20	98.00	P364741	0.001	CORE
98.00	99.00	P364742	0.017	CORE
99.00	100.00	P364743	0.005	CORE
100.00	101.00	P364744	0.004	CORE
101.00	102.00	P364745	0.117	CORE
102.00	103.00	P364746	0.123	CORE
103.00	104.00	P364747	0.042	CORE
104.00	105.00	P364748	0.203	CORE
105.00	106.00	P364749	0.057	CORE
106.00	106.00	P364750	0.109	DUP
106.00	107.00	P364751	0.003	CORE
107.00	108.20	P364752	0.013	CORE
108.20	109.00	P364753	0.017	CORE
109.00	109.90	P364754	<0.001	CORE

From	To	Litho
97.20	108.20	6a

Medium-grained, quartz diorite. Quartz content is vibrant blue quartz. 55% feldspars, 20% quartz, 25% biotite+amphiboles. Minor chloritic crackle fractures throughout. Strong silicification, as well as sericite and chlorite alteration. 0.5% pyrite. Lower contact is oriented at 45 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
108.19	108.20	CNT	45	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
97.20	108.20	S			M	M			VS					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
108.20	110.40	1	EGQV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
97.20	108.20	0.5	VLT	-				
108.20	110.40	0.5	-	-				

SAMPLES

From	To	Sample	Au g/t	Type
96.10	97.20	P364739	0.001	CORE
97.20	97.20	P364740	<0.001	BLK
97.20	98.00	P364741	0.001	CORE
98.00	99.00	P364742	0.017	CORE
99.00	100.00	P364743	0.005	CORE
100.00	101.00	P364744	0.004	CORE
101.00	102.00	P364745	0.117	CORE
102.00	103.00	P364746	0.123	CORE
103.00	104.00	P364747	0.042	CORE
104.00	105.00	P364748	0.203	CORE
105.00	106.00	P364749	0.057	CORE
106.00	106.00	P364750	0.109	DUP
106.00	107.00	P364751	0.003	CORE
107.00	108.20	P364752	0.013	CORE
108.20	109.00	P364753	0.017	CORE
109.00	109.90	P364754	<0.001	CORE

From	To	Litho
108.20	110.40	1f

Chlorite-sericite schist. Sheared at 40 degrees to the core axis.1% early grey quartz-calcite veins. 0.5% pyrite. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
108.20	110.39	SH	40	S

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
108.20	110.40	S			S	S								

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
108.20	110.40	1	EGQV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
108.20	110.40	0.5	-	-				

SAMPLES

From	To	Sample	Au g/t	Type
96.10	97.20	P364739	0.001	CORE
97.20	97.20	P364740	<0.001	BLK
97.20	98.00	P364741	0.001	CORE
98.00	99.00	P364742	0.017	CORE
99.00	100.00	P364743	0.005	CORE
100.00	101.00	P364744	0.004	CORE
101.00	102.00	P364745	0.117	CORE
102.00	103.00	P364746	0.123	CORE
103.00	104.00	P364747	0.042	CORE
104.00	105.00	P364748	0.203	CORE
105.00	106.00	P364749	0.057	CORE
106.00	106.00	P364750	0.109	DUP
106.00	107.00	P364751	0.003	CORE
107.00	108.20	P364752	0.013	CORE
108.20	109.00	P364753	0.017	CORE
109.00	109.90	P364754	<0.001	CORE

From	To	Litho
108.20	110.40	1f

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					109.90	110.40	P364755	0.213	CORE
110.39	110.40	CNT	50																																					

From	To	Litho
110.40	114.60	6a

Medium-grained, quartz diorite. Quartz content is vibrant blue quartz. 55% feldspars, 20% quartz, 25% biotite+amphiboles. Minor chloritic crackle fractures throughout. Strong silicification, as well as sericite and chlorite alteration. 0.5% pyrite. Lower contact is diffuse.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					110.40	111.00	P364756	0.005	CORE
110.40	114.59	BXB		M																																			
					110.40	114.60	S			S	S			S															110.40	114.60	0.5	DISS	-								
																																					111.00	112.00	P364757	0.022	CORE
																																					112.00	113.00	P364758	0.077	CORE
																																					113.00	114.00	P364759	0.056	CORE
																																					114.00	114.00	P364760	0.341	52C
																																					114.00	114.60	P364761	0.027	CORE
114.59	114.60	CNT																																						

From	To	Litho
114.60	122.30	9a

Medium green mottled with pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Feldspars are medium grained while the pyroxene and amphiboles are very fine-grained. Very weak patchy calcite alteration throughout. The chlorite in the unit is a pervasive alteration product and is strong. Zones of recrystallization that appear pink throughout as a weak daisy texture where there are quartz eyes with the feldspars nucleated upon the quartz and forming interlocking flowers around them. Trace pyrite through most of the interval. Lower contact is sharp but wavy.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					114.60	115.10	P364762	0.002	CORE
					114.60	122.30	M			M					W													114.60	122.30	0.1	DISS	-								
																																					115.10	116.00	P364763	<0.001	CORE
																																					116.00	117.00	P364764	0.006	CORE
																																					117.00	118.00	P364765	<0.001	CORE
																																					118.00	119.00	P364766	<0.001	CORE
																																					119.00	120.00	P364767	<0.001	CORE
																																					120.00	121.00	P364768	0.036	CORE

From	To	Litho
114.60	122.30	9a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
122.29	122.30	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
121.00	122.30	P364769	0.002	CORE

From	To	Litho
122.30	123.80	5h

Strongly chloritic, weakly foliated mafic dyke. Dark green. Foliation is oriented at 30 degrees to the core axis. Lower contact is sharp but wavy.

STRUCTURES

From	To	Struct	CA	Strain
122.30	123.79	FOL	30	M
123.79	123.80	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
122.30	123.80	S			S	VW								

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
122.30	122.30	P364770	<0.001	BLK
122.30	123.00	P364771	<0.001	CORE
123.00	123.80	P364772	0.002	CORE

From	To	Litho
123.80	132.10	6a

Medium-grained, quartz diorite. Quartz content is vibrant blue quartz where the unit is silicified. 55% feldspars, 20% quartz, 25% biotite+amphiboles. Minor chloritic crackle fractures throughout. Strong silicification, as well as sericite and chlorite alteration through most of the interval, but between 126.5m and 127.3m as well as 128.8m and 130.4m the core is totally unsilicified and pitted. 0.5% pyrite. Lower contact is sharp but irregular.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
123.80	126.50	S			S	S			S					
126.50	127.30	W			W									
127.30	128.80	S			S	M			S					
128.80	130.40	W			W									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
123.80	132.10	0.5	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
123.80	125.00	P364773	0.003	CORE
125.00	126.00	P364774	0.023	CORE
126.00	126.50	P364775	0.049	CORE
126.50	127.30	P364776	0.005	CORE
127.30	128.00	P364777	0.044	CORE
128.00	128.80	P364778	0.142	CORE
128.80	129.90	P364779	0.020	CORE
129.90	129.90	P364780	0.024	DUP
129.90	130.40	P364781	0.011	CORE

From	To	Litho
123.80	132.10	6a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
132.09	132.10	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
130.40	132.10	S			S				S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
130.40	131.00	P364782	0.004	CORE
131.00	132.10	P364783	0.005	CORE

From	To	Litho
132.10	139.30	5h

Strongly chloritic mafic dyke. Dark green. Two vein zones: 132.1m - 132.4m has 90% stylolitic quartz-calcite; 135.1m - 135.7m has 80% stylolitic quartz-calcite and 1% pyrite within the vein. Lower contact is sharp but wavy and marked by a contact with another quarts vein (described in the next unit).

STRUCTURES

From	To	Struct	CA	Strain
139.29	139.30	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
132.10	139.30	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
132.10	132.40	90	STYV		QZ-CA			
135.10	135.70	80	STYV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
135.10	135.70	1	SM	-				

SAMPLES

From	To	Sample	Au g/t	Type
132.10	133.00	P364784	<0.001	CORE
133.00	134.00	P364785	<0.001	CORE
134.00	135.10	P364786	2.450	CORE
135.10	135.70	P364787	0.009	CORE
135.70	137.00	P364788	<0.001	CORE
137.00	138.00	P364789	0.001	CORE
138.00	138.00	P364790	0.334	52C
138.00	139.30	P364791	<0.001	CORE

From	To	Litho
139.30	148.20	9a

Medium green mottled with pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Feldspars are medium grained while the pyroxene and amphiboles are very fine-grained. Very weak patchy calcite alteration throughout. The chlorite in the unit is a pervasive alteration product and is strong. Zones of recrystallization that appear pink throughout as a weak daisy texture where there are quartz eyes with the feldspars nucleated upon the quartz and forming interlocking flowers around them. From 139.3m to 139.8m there is a stylolitic quartz-calcite vein with some inclusions of the country rock. From 139.8m to 141m the core is very strongly silicified and is bleached. Trace pyrite through most of the interval. Lower contact is oriented at 20 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
139.30	139.80	90	STYV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
139.30	139.80	P364792	0.004	CORE

From	To	Litho
139.30	148.20	9a

Medium green mottled with pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Feldspars are medium grained while the pyroxene and amphiboles are very fine-grained. Very weak patchy calcite alteration throughout. The chlorite in the unit is a pervasive alteration product and is strong. Zones of recrystallization that appear pink throughout as a weak daisy texture where there are quartz eyes with the feldspars nucleated upon the quartz and forming interlocking flowers around them. From 139.3m to 139.8m there is a stylolitic quartz-calcite vein with some inclusions of the country rock. From 139.8m to 141m the core is very strongly silicified and is bleached. Trace pyrite through most of the interval. Lower contact is oriented at 20 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
148.19	148.20	CNT	20	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
139.30	141.00	S							S					
141.00	148.20	M			M					VW				

Bleached

Chloritic crackle fractures.

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
139.30	148.20	0.1	DISS	-				
148.20	160.00	0.5	VLT	-				

SAMPLES

From	To	Sample	Au g/t	Type
139.80	141.00	P364793	0.047	CORE
141.00	142.00	P364794	0.234	CORE
142.00	143.00	P364795	0.059	CORE
143.00	144.00	P364796	0.006	CORE
144.00	145.00	P364797	0.011	CORE
145.00	146.00	P364798	0.022	CORE
146.00	147.00	P364799	0.013	CORE
147.00	147.00	P364800	<0.001	BLK
147.00	148.20	P364801	0.049	CORE
148.20	149.00	P364802	0.060	CORE
149.00	150.00	P364803	0.120	CORE
150.00	151.00	P364804	0.012	CORE
151.00	152.00	P364805	0.013	CORE
152.00	153.00	P364806	0.009	CORE

From	To	Litho
148.20	161.10	6a

Medium-grained, quartz diorite. Quartz content is vibrant blue quartz where the unit is silicified. 55% feldspars, 20% quartz, 25% biotite+amphiboles. Minor chloritic crackle fractures throughout. Strong silicification, as well as sericite and chlorite alteration through most of the interval. From 157m to 161.1m the core is intensely sericite and chlorite altered and the quartz appears as vibrant blue quartz eyes. 0.5% pyrite through most of the interval, but between 160m and 161.1m there is 3% buck-shot aggregate pyrite and 5% quartz-calcite veins. Lower contact is oriented at 20 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
148.20	161.09	BXB		M

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
148.20	157.00	S			M	M			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
148.20	161.10	6a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
161.09	161.10	CNT	20	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
157.00	161.10	VS			VS	VS			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
160.00	161.10	5	LWV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
160.00	161.10	3	SM	-				

SAMPLES

From	To	Sample	Au g/t	Type
153.00	154.00	P364807	0.045	CORE
154.00	155.00	P364808	0.002	CORE
155.00	156.00	P364809	<0.001	CORE
156.00	156.00	P364810	<0.001	DUP
156.00	157.00	P364811	0.036	CORE
157.00	158.00	P364812	0.056	CORE
158.00	159.00	P364813	0.009	CORE
159.00	160.00	P364814	0.052	CORE
160.00	161.10	P364815	9.630	CORE

From	To	Litho
161.10	166.80	5h

Strongly chloritic mafic dyke. Dark green. From 161.1m to 161.5m there is 10% buck-shot aggregate style pyrite - only a trace of pyrite in the rest of the interval.
5% late white quartz-calcite veins. Lower contact is oriented at 20 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
166.79	166.80	CNT	20	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
161.10	166.80	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
161.10	166.80	5	LWV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
161.10	161.50	10	SM	-				
161.50	166.80	0.5	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
161.10	162.00	P364816	3.170	CORE
162.00	163.00	P364817	0.435	CORE
163.00	164.00	P364818	0.039	CORE
164.00	165.00	P364819	0.005	CORE
165.00	165.00	P364820	1.560	15D
165.00	166.00	P364821	0.005	CORE
166.00	166.80	P364822	<0.001	CORE

From	To	Litho
166.80	168.40	6a

Medium-grained, quartz diorite. 55% feldspars, 20% quartz, 25% biotite+amphiboles. Minor chloritic crackle fractures throughout. Strong silicification, as well as sericite and chlorite alteration through most of the interval. 1% disseminated pyrite. Lower contact is obscured by broken and blocky core.

STRUCTURES

From	To	Struct	CA	Strain
168.39	168.40	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
166.80	168.40	S			M	M			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
166.80	168.40	1	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
166.80	168.00	P364823	0.069	CORE
168.00	168.40	P364824	0.026	CORE

From	To	Litho
168.40	170.10	5h

Strongly chloritic, near aphanitic mafic dyke. Blocky for the last 60cm of the unit. Lower contact is obscured by broken and blocky core.

STRUCTURES

From	To	Struct	CA	Strain
169.50	170.09	BKY		
170.09	170.10	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
168.40	170.10	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
168.40	169.00	P364825	<0.001	CORE
169.00	170.10	P364826	0.001	CORE

From	To	Litho
170.10	180.30	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 35% feldspars, 35% quartz (white quartz and blue quartz eyes), 10% plagioclase and, 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Moderate crackle fractured throughout (healed with chlorite). 0.5% - concentrated predominantly in crackle fracture. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
170.10	180.29	BXB		M

Chloritic crackle fractures.

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
170.10	180.30	S			M	M			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
170.10	180.30	0.5	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
170.10	171.00	P364827	0.167	CORE
171.00	172.00	P364828	1.190	CORE
172.00	173.00	P364829	0.148	CORE
173.00	173.00	P364830	<0.001	BLK
173.00	174.00	P364831	0.090	CORE
174.00	175.00	P364832	0.013	CORE
175.00	176.00	P364833	0.013	CORE

From	To	Litho
170.10	180.30	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					176.00	177.00	P364834	0.009	CORE
																																					177.00	178.00	P364835	0.018	CORE
																																					178.00	179.00	P364836	0.023	CORE
																																					179.00	180.30	P364837	0.029	CORE
180.29	180.30	CNT	50																																						

From	To	Litho
180.30	181.60	5h

Strongly chloritic, near aphanitic mafic dyke. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
					180.30	181.60	S			S																												180.30	181.60	P364838	0.219	CORE
181.59	181.60	CNT	60																																						

From	To	Litho
181.60	193.20	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 35% feldspars, 35% quartz (white quartz and blue quartz eyes), 10% plagioclase and, 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Moderate crackle fractured throughout (healed with chlorite). 0.5% - concentrated predominantly in crackle fracture. Lower contact is gradational.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					181.60	182.10	P364839	0.064	CORE
					181.60	193.20	S			M	M			S															181.60	193.20	0.5	-	-								
																																					182.10	182.10	P364840	0.008	DUP
																																					182.10	183.00	P364841	0.008	CORE
																																					183.00	184.00	P364842	0.007	CORE
																																					184.00	185.00	P364843	<0.001	CORE
																																					185.00	186.00	P364844	0.002	CORE
																																					186.00	187.00	P364845	0.104	CORE
																																					187.00	188.00	P364846	0.071	CORE
																																					188.00	189.00	P364847	0.041	CORE
																																					189.00	190.00	P364848	0.131	CORE
																																					190.00	191.00	P364849	0.027	CORE
																																					191.00	191.00	P364850	1.560	15D
																																					191.00	192.00	P364851	0.007	CORE
																																					192.00	193.20	P364852	0.005	CORE

From	To	Litho
181.60	193.20	7c

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
193.19	193.20	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
193.20	196.40	8k

Variably altered, magnetite bearing granodiorite. Very patchy weak to moderate magnetism. Light pink to strong salmon pink. 80% light coloured minerals, 20% speckled mafics throughout. Hematite staining is consistently strong throughout. Intermittent but strong sericite+chlorite alteration and calcite alteration. Silicification is also intermittent. No pitting as is typically seen in this lithology on this property.1% pyrite disseminated throughout. Lower contact is oriented at 70 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
196.39	196.40	CNT	70	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
193.20	195.60	VS			VW	VW	S							
195.60	196.40	VS			M	M	VW		S					

Very strong hematite staining.

Very strong hematite staining.

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
193.20	196.40	1	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
193.20	194.00	P364853	0.014	CORE
194.00	195.00	P364854	0.021	CORE
195.00	195.60	P364855	0.007	CORE
195.60	196.40	P364856	<0.001	CORE

From	To	Litho
196.40	197.50	5h

Strongly chloritic, near aphanitic mafic dyke. Lower contact is sharp but irregular.

STRUCTURES

From	To	Struct	CA	Strain
197.49	197.50	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
196.40	197.50	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
196.40	197.50	P364857	0.005	CORE

From	To	Litho
197.50	199.20	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 35% feldspars, 35% quartz (white quartz and blue quartz eyes), 10% plagioclase and, 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Moderate crackle fractured throughout (healed with chlorite). 0.5% - concentrated predominantly in crackle fracture. Lower contact is sharp but irregular.

STRUCTURES

From	To	Struct	CA	Strain
197.50	199.19	BXB		M
199.19	199.20	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
197.50	199.20	S			M	M			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Mn	Mn%	Mn2	M2%
197.50	199.20	0.5	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
197.50	198.50	P364858	0.047	CORE
198.50	199.20	P364859	0.094	CORE

From	To	Litho
199.20	201.20	5h

Strongly chloritic, near aphanitic mafic dyke. 5% extensional quartz-calcite veining with minor jasperite. Lower contact is sharp but irregular.

STRUCTURES

From	To	Struct	CA	Strain
201.19	201.20	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
199.20	201.20	S				S								

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
199.20	201.20	5	LWV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Mn	Mn%	Mn2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
199.20	199.20	P364860	<0.001	BLK
199.20	200.00	P364861	0.136	CORE
200.00	201.20	P364862	0.054	CORE

From	To	Litho
201.20	205.00	8k

Magnetite bearing granodiorite. Very patchy weak to moderate magnetism. Light pink to strong salmon pink. 80% light coloured minerals, 20% speckled mafics throughout. Hematite staining is consistently strong throughout. Moderate sericite+chlorite alteration and calcite alteration. Silicification is also strong. No pitting as is typically seen in this lithology on this property.1% specular hematite seams throughout. Lower contact is oriented at 40 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
201.20	204.99	BXB		M
204.99	205.00	CNT	40	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
201.20	205.00	VS			M	M			S	M				

Very strong hematite staining.

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Mn	Mn%	Mn2	M2%
201.20	205.00	0.5	DISS	-	HM	1		

SAMPLES

From	To	Sample	Au g/t	Type
201.20	202.00	P364863	0.102	CORE
202.00	203.00	P364864	0.064	CORE
203.00	204.00	P364865	0.227	CORE
204.00	205.00	P364866	0.083	CORE

From	To	Litho
201.20	205.00	8k

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type

From	To	Litho
205.00	205.90	5h

Strongly chloritic, near aphanitic mafic dyke. Lower contact is sharp but irregular.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
					205.00	205.90	S			S																												205.00	205.90	P364867	<0.001	CORE
205.89	205.90	CNT																																						

From	To	Litho
205.90	226.60	8k

Magnetite bearing granodiorite. Very patchy weak to moderate magnetism. Light pink to strong salmon pink. 80% light coloured minerals, 20% speckled mafics throughout. Hematite staining is consistently strong throughout. Moderate sericite+chlorite alteration and calcite alteration. Silicification is also strong. No pitting as is typically seen in this lithology on this property.1% specular hematite seams throughout. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					205.90	207.00	P364868	0.020	CORE
205.90	226.59	BXB		M																																			
					205.90	226.60	VS			M	M			S	M															205.90	226.60	0.5	DISS	-	HM	1					
					Very strong hematite staining.																																		207.00	208.00	P364869	0.297	CORE
																																					208.00	208.00	P364870	0.069	DUP
																																					208.00	209.00	P364871	0.004	CORE
																																					209.00	210.00	P364872	0.003	CORE
																																					210.00	211.00	P364873	0.015	CORE
																																					211.00	212.00	P364874	0.005	CORE
																																					212.00	213.00	P364875	0.034	CORE
																																					213.00	214.00	P364876	0.006	CORE
																																					214.00	215.00	P364877	<0.001	CORE
																																					215.00	216.00	P364878	<0.001	CORE
																																					216.00	217.00	P364879	0.012	CORE
																																					217.00	217.00	P364880	1.470	15D
																																					217.00	218.00	P364881	0.021	CORE
																																					218.00	219.00	P364882	0.029	CORE
																																					219.00	220.00	P364883	0.024	CORE
																																					220.00	221.00	P364884	0.028	CORE

From	To	Litho
205.90	226.60	8k

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
226.59	226.60	CNT	50	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
227.80	230.30	S			VW				W	M				
230.30	231.80	VS			VS				W	W				

Very strong hematite staining.

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
227.80	245.00	0.5	DISS	-	HM	1		

SAMPLES

From	To	Sample	Au g/t	Type
221.00	222.00	P364885	0.006	CORE
222.00	223.00	P364886	0.008	CORE
223.00	224.00	P364887	0.004	CORE
224.00	225.00	P364888	0.010	CORE
225.00	226.00	P364889	<0.001	CORE
226.00	226.00	P364890	<0.001	BLK
226.00	226.60	P364891	0.010	CORE
226.60	227.80	P364892	<0.001	CORE
227.80	228.70	P364893	0.143	CORE
228.70	229.30	P364894	0.124	CORE
229.30	230.30	P364895	0.089	CORE
230.30	231.00	P364896	0.461	CORE

From	To	Litho
226.60	227.80	10a

Porphyritic lamprophyre (?) with both feldspar and biotite phenocrysts in a very fine-grained, black to very dark green. Lower contact is oriented at 45 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
227.79	227.80	CNT	45	

From	To	Litho
227.80	245.00	8k

Magnetite bearing granodiorite. Very patchy weak to moderate magnetism. Light pink to strong salmon pink. 80% light coloured minerals, 20% speckled mafics throughout. Hematite staining is consistently strong throughout. Moderate sericite+chlorite alteration and calcite alteration. Silicification is also strong. No pitting as is typically seen in this lithology on this property. Trace pyrite and 1% specular hematite seams throughout. There are some very strongly chloritic alteration zones within this unit, some with evidence of faulting (including strongly brecciated material with gouge component). Lower contact is brecciated.

From	To	Litho
227.80	245.00	8k

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
230.40	230.60	FLT		S
Brecciated fault with gouge component.				
238.30	239.00	FLT		VS
244.30	244.99	BXB		S
matrix supported breccia				
244.99	245.00	CNT		
brecciated				

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
231.80	238.30	S			VW				W	M				
Very strong hematite staining.														
238.30	239.00	VS			VS									
239.00	245.00	S			VW	VW			W	M				
Very strong hematite staining.														

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
245.00	257.90	5	LWV					CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
231.00	231.80	P364897	0.024	CORE
231.80	233.00	P364898	2.170	CORE
233.00	234.00	P364899	0.065	CORE
234.00	234.00	P364900	0.052	DUP
234.00	235.00	P364901	0.006	CORE
235.00	236.00	P364902	0.014	CORE
236.00	237.00	P364903	0.123	CORE
237.00	238.00	P364904	0.270	CORE
238.00	239.00	P364905	1.800	CORE
239.00	240.00	P364906	0.340	CORE
240.00	241.00	P364907	0.268	CORE
241.00	242.00	P364908	0.117	CORE
242.00	243.00	P364909	0.061	CORE
243.00	243.00	P364910	1.570	15D
243.00	244.30	P364911	0.785	CORE
244.30	245.00	P364912	0.340	CORE
245.00	246.00	P364913	0.160	CORE
246.00	247.00	P364914	0.217	CORE

From	To	Litho
245.00	257.90	9

Strongly magnetic, baked and brittle diabase. Brecciated between 251m and 252m and there is 1% chalcopyrite in this limited interval. Lower contact is obscured by broken core.

From	To	Litho
245.00	257.90	9

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					247.00	248.00	P364915	0.233	CORE
																																					248.00	249.00	P364916	0.022	CORE
																																					249.00	250.00	P364917	0.006	CORE
																																					250.00	251.00	P364918	0.030	CORE
251.00	252.00	BXB		S																									251.00	252.00	0.1	-	-	CP	1		251.00	252.00	P364919	0.544	CORE
																																					252.00	252.00	P364920	<0.001	BLK
																																					252.00	253.00	P364921	0.059	CORE
																																					253.00	254.00	P364922	0.006	CORE
																																					254.00	255.00	P364923	0.107	CORE
																																					255.00	256.00	P364924	0.002	CORE
																																					256.00	257.00	P364925	0.183	CORE
																																					257.00	257.90	P364926	0.024	CORE

From	To	Litho
257.90	303.00	9a

Medium green mottled with pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Feldspars are medium grained while the pyroxene and amphiboles are very fine-grained. Very weak patchy calcite alteration throughout. The chlorite in the unit is a pervasive alteration product and is strong. Zones of recrystallization that appear pink throughout as a weak daisy texture where there are quartz eyes with the feldspars nucleated upon the quartz and forming interlocking flowers around them - this texture is most pronounced. Between 301m and 303m. There are also zones of fine-grained texture. There is a fairly consistent 5% narrow calcite veining throughout. Between 260.2m and 262.4m there is a zone of very strong silicification and quartz eye concentration that has 5% very smokey grey quartz, 10% massive aggregates of pyrite and 5% chalcopyrite. Between 296m and 301m there is 1% pyrite and 0.5% chalcopyrite. Trace pyrite through most of the interval.
END OF HOLE.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					257.90	259.00	P364927	8.960	CORE
					257.90	260.20	S			S										257.90	260.20	5	LWV					CA	257.90	260.20	0.1	-	-							
																																					259.00	260.20	P364928	9.310	CORE
																																					260.20	261.00	P364929	4.020	CORE
					260.20	262.40	S			S				S						260.20	262.40	5	EGQV					QZ	260.20	262.40	10	SM	-	CP	5							
																																					261.00	261.00	P364930	5.030	DUP
																																					261.00	261.90	P364931	0.737	CORE
																																					261.90	262.40	P364932	45.100	CORE
																																					262.40	263.00	P364933	2.180	CORE
																													262.40	296.00	0.1	-	-							
					262.40	303.00	S			S										262.40	303.00	5	LWV					CA													
																																					263.00	264.00	P364934	0.156	CORE
																																					264.00	265.00	P364935	0.077	CORE
																																					265.00	266.00	P364936	0.062	CORE

From	To	Litho
257.90	303.00	9a

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					266.00	267.00	P364937	0.023	CORE
																																					267.00	268.00	P364938	0.069	CORE
																																					268.00	269.00	P364939	0.008	CORE
																																					269.00	269.00	P364940	8.710	62C
																																					269.00	270.00	P364941	0.010	CORE
																																					270.00	271.00	P364942	0.652	CORE
																																					271.00	272.00	P364943	0.015	CORE
																																					272.00	273.00	P364944	0.024	CORE
																																					273.00	274.00	P364945	0.052	CORE
																																					274.00	275.00	P364946	0.362	CORE
																																					275.00	276.00	P364947	0.004	CORE
																																					276.00	277.00	P364948	0.024	CORE
																																					277.00	278.00	P364949	0.005	CORE
																																					278.00	278.00	P364950	<0.001	BLK
																																					278.00	279.00	P364951	0.006	CORE
																																					279.00	280.00	P364952	0.008	CORE
																																					280.00	281.00	P364953	0.017	CORE
																																					281.00	282.00	P364954	0.004	CORE
																																					282.00	283.00	P364955	0.093	CORE
																																					283.00	284.00	P364956	0.069	CORE
																																					284.00	285.00	P364957	0.013	CORE
																																					285.00	286.00	P364958	0.015	CORE
																																					286.00	287.00	P364959	0.003	CORE
																																					287.00	287.00	P364960	0.003	DUP
																																					287.00	288.00	P364961	<0.001	CORE
																																					288.00	289.00	P364962	0.014	CORE
																																					289.00	290.00	P364963	0.008	CORE
																																					290.00	291.00	P364964	0.003	CORE
																																					291.00	292.00	P364965	0.004	CORE
																																					292.00	293.00	P364966	<0.001	CORE
																																					293.00	294.00	P364967	0.007	CORE
																																					294.00	295.00	P364968	<0.001	CORE
																																					295.00	296.00	P364969	<0.001	CORE
																																					296.00	296.00	P364970	1.560	15D
																																					296.00	297.00	P364971	<0.001	CORE
																													296.00	301.00	1	-	-	CP	0.5						
																																					297.00	298.00	P364972	0.003	CORE
																																					298.00	299.00	P364973	0.137	CORE
																																					299.00	300.00	P364974	0.026	CORE
																																					300.00	301.00	P364975	0.269	CORE
																																					301.00	302.00	P364976	0.032	CORE
																													301.00	303.00	0.1	-	-						
																																					302.00	303.00	P364977	0.032	CORE

Sanatana Resources Inc.

GEOLOGICAL LOG FIELDS AND CODES DESCRIPTION

LITHOLOGY

Litho	Description
1	Mafic Metavolcanic (Unsubdivided)
1a	Massive basalt
1b	Pillow basalt
1c	Mafic Tuff
1d	Amygdaloidal Basalt
1f	Mafic Schist
1g	Amphibolite
1h	Mafic Gneiss
2	Intermediate Metavolcanic (Unsubdivided)
2a	Intermediate Flow
2b	Intermediate Lapilli tuff
2c	Intermediate Tuff breccia
2d	Volcanogenic sandstone to siltstone
2e	Intermediate Crystal tuff
2g	Intermediate Schist
2j	Intermediate Flow breccia
3	Felsic Metavolcanic (Unsubdivided)
3a	Felsic Flow
3b	Felsic Lapilli tuff
3c	Tuff breccia
3d	Quartz porphyritic volcanic
3e	Autoclastic flow breccia
3f	Hydrothermal breccia, with chlorite veining
3g	Felsic Schist

Litho	Description
4	Metasediment (Unsubdivided)
4a	Conglomerate, boulders and cobbles
4b	Pebbly sandstone, matrix supported
4c	Sandstone, arkosic sandstone, arenite
4d	Siltstone and mudstone
4e	Schist
4f	Chert
4g	Iron Formation
5	Mafic Intrusive (Unsubdivided)
5a	Gabbro
5b	Diorite
5c	Mafic Pegmatite
5g	Mafic Intrusive breccia
5h	Mafic Dike
6	Intermediate Intrusive (Unsubdivided)
6a	Quartz diorite
6b	Monzonite
6c	Monzodiorite with hematite-stained feldspar
6d	Syenite
6e	Feldspar porphyry
6em	Feldspar porphyry - small phenos, mafic
6eq	Quartz-Feldspar Porphyry
6f	Intermediate Intrusive breccia
6g	Intermediate Dike

Litho	Description
7	Felsic Synvolcanic Intrusive (Unsubdivided)
7a	Tonalite
7b	Trondjhemite
7c	Granodiorite
7d	Chlorite bearing breccia
7e	Pegmatite dike
7f	Quartz porphyry
7g	Intrusion breccia
7h	Aplite dike
7i	Felsic Schist
8	Felsic post volcanic Intrusive (Unsubdivided)
8a	Biotite tonalite
8b	Biotite + amphibole tonalite
8c	Biotite granodiorite
8d	Biotite + amphibole granodiorite
8e	Amphibole quartz monzonite to granodiorite
8f	Quartz–potassium feldspar megacrystic granite
8g	Foliated / sheared granite
8h	Granite gneiss
8i	Xenolithic granite
8j	Granite: aplite and/or pegmatite
8k	Magnetite bearing granite

Litho	Description
9	Diabase (unsubdivided)
9a	Gabbro to quartz gabbro
9b	Plagioclase phyric quartz gabbro
9c	Fine grained diabase
9d	Medium grained diabase
9e	Coarse grained diabase
9f	Xenolithic diabase
10	Lamprophyre (unsubdivided)
10a	Porphyritic Lamprophyre (ferromagnesian)
10b	Porphyritic Lamporphyre (feldspathic)
10c	Ultramafic intrusive
OVB	overburden
QSW	quartz stockwork
QVO	quartz vein
SHZ	Shear zone
ZFZ	fault zone/gouge

ALTERATION

Min	Description
AB	Albite
AK	Ankerite
AM	Amphibole
BT	Biotite
CC	Calcite
CL	Chlorite
DL	Dolomite
EP	Epidote
FD	Feldspar
FU	Fuchsite
GP	Graphite
GT	Garnet
HB	Hornblende
LX	Leucoxene
MT	Magnetite
MU	Muscovite
PL	Plagioclase
PX	Pyroxene
SR	Sericite
TC	Talc
TR	Tourmaline

Int	Description
VW	Very Weak
W	Weak
M	Moderate
S	Strong
VS	Very Strong
-	Not Recorded

MINERALIZATION

Style	Description
AN	Anhedral
CG	Coarse grained
DISS	Disseminated
EUH	Euhedral
FG	Fine grained
MS	Massive
MG	Medium grained
SM	Semi massive
SEUH	Sub-Euhedral
VLT	Veinlets

Min	Description
AS	Arsenopyrite
CP	Chalcopyrite
GN	Galena
MO	Molybdenite
PO	Pyrrhotite
SP	Sphalerite
HM	Hematite

VG	Description
VG	visible gold noted (historical)
VG1	weak (1 or 2 specks)
VG2	moderate (3-10 specks)
VG3	strong (>10 specks)
-	not recorded

STRUCTURE

Type	Description
-	Overburden
BDG	Bedding
BKY	Blocky
BXB	Breccia (brittle)
BXD	Breccia (ductile)
CNT	Contact
CRN	Crenulated
FLT	Fault
FOL	Foliation
FRC	Fracture
G	Gouge
LIN	Lineation
MS	Massive
SH	Shear
SSF	Small Scale Folds

Strain	Description
VW	Very Weak
W	Weak
M	Moderate
S	Strong
VS	Very Strong
-	Not Recorded

VEINING

Style	Description
EGQV	Early Grey Quartz Vein(s)
LWV	Late White Vein(s)
RBV	Ribboned Vein
SEV	Sheeted Extension Vein(s)
SEVA	Sigmoidal Extension Vein Array
SHV	Shear Vein(s)
STYV	Stylolitic Vein

Type	Description
AK	Ankerite
CA	Calcite
CB	Carbonate
HE	Hematite
QZ	Quartz
QZ-AB	Quartz-Albite
QZ-AK	Quartz-Ankerite
QZ-CA	Quartz-Calcite
QZ-CB	Quartz-Carbonate
QZ-FU	Quartz-Fuchsite
QZ-TO	Quartz-Tourmaline
TO	Tourmaline

TITLE PAGE

Hole ID	**SR-13-04**	***Project***	**Watershed**

Section	L13	***Easting***	428496	***Source***	GPS
Site	Surface	***Northing***	5266515	***Azimuth***	170
Twp	Chester	***Elevation***	390	***Dip***	-60
Claim	3011820	***Grid***	UTM NAD83	***Length***	201.00 *m*

Logged by	Eden Hynes	***DDH Started***	21-Jan-13
Geotechnician	Don Lashbrook	***DDH Finished***	25-Jan-13
Geotech Type	Basic	***Log Completed***	26-Jan-13
Drill Contractor	Surface Contract Drilling	***Last Updated***	14-Jun-13
Core Size	NQ2		

DIP TESTS (other than Maxibor)

Depth	*Azimuth*	*Dip*	*Type*
15.00	177.60	-59.40	EZ
24.00	178.50	-59.50	EZ
51.00	176.80	-59.60	EZ
102.00	179.80	-59.30	EZ
150.00	181.10	-59.20	EZ
201.00	182.30	-59.20	EZ

Available Analyses:	***FA***	Yes	***GRAV***	No	***MET***	No	***ICP***	Yes	***WR*** No

Summary

Core is stored at the Sanatana core shack behind the Watershed Car and Truck Stop, corner of Hwy 144 and 560.

Sanatana Resources Inc. Drill Log
Watershed

Signature: _____

Initials: _____

SR-13-04

From	To	Litho
0.00	2.50	OVB

Casing, overburden.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type

From	To	Litho
2.50	66.20	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 45% feldspars, 35% quartz (white quartz and blue quartz eyes), 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Weakly crackle fractured throughout (healed with chlorite). Between 37.4m and the end of the interval there is moderate hematite staining. There are two chloritic shears in this unit between: 36.5m - 36.9m (oriented at 70 degrees to the core axis and containing 50% shear-style quartz-calcite veining); 47.5m to 48m (oriented at 70 degrees to the core axis and containing 50% shear-style calcite veins). Trace pyrite - concentrated predominantly in crackle fracture but a few veins with higher concentrations of pyrite +/- chalcopyrite. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					2.50	3.00	P364978	1.760	CORE
2.50	36.50	BXB		W	2.50	36.50	S			M	W			S																							3.00	4.00	P364979	0.077	CORE
																													2.50	49.10	0.5	VLT	-	CP	0.1	4.00	4.00	P364980	0.001	BLK
																																				4.00	5.00	P364981	0.046	CORE
																																				5.00	6.00	P364982	0.009	CORE
																																				6.00	7.00	P364983	0.068	CORE
																																				7.00	8.00	P364984	0.058	CORE
																																				8.00	9.00	P364985	0.162	CORE
																																				9.00	10.00	P364986	0.070	CORE
																																				10.00	11.00	P364987	0.112	CORE
																																				11.00	12.00	P364988	1.090	CORE
																																				12.00	13.00	P364989	0.014	CORE
																																				13.00	13.00	P364990	0.020	DUP
																																				13.00	14.00	P364991	0.004	CORE
																																				14.00	15.00	P364992	0.004	CORE
																																				15.00	16.00	P364993	0.020	CORE
																																				16.00	17.00	P364994	2.650	CORE
																																				17.00	18.00	P364995	0.040	CORE
																																				18.00	19.00	P364996	0.009	CORE

Weakly crackle fractured (chlorite healed).

Weak hematite staining.

From	To	Litho
2.50	66.20	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					19.00	20.00	P364997	0.008	CORE
																																					20.00	21.00	P364998	0.026	CORE
																																					21.00	22.00	P364999	0.122	CORE
																																					22.00	22.00	P365000	0.353	52C
																																					22.00	23.00	P365001	0.075	CORE
																																					23.00	24.00	P365002	0.013	CORE
																																					24.00	25.00	P365003	0.003	CORE
																																					25.00	26.00	P365004	0.024	CORE
																																					26.00	27.00	P365005	0.056	CORE
																																					27.00	28.00	P365006	0.068	CORE
																																					28.00	29.00	P365007	0.012	CORE
																																					29.00	30.00	P365008	0.354	CORE
																																					30.00	31.00	P365009	0.064	CORE
																																					31.00	31.00	P365010	0.001	BLK
																																					31.00	32.00	P365011	0.004	CORE
																																					32.00	33.00	P365012	0.068	CORE
																																					33.00	34.00	P365013	0.004	CORE
																																					34.00	35.00	P365014	0.001	CORE
																																					35.00	36.00	P365015	0.033	CORE
																																					36.00	36.50	P365016	0.009	CORE
36.50	36.90	SH	70	S	36.50	36.90	S			S					S					36.50	36.90	50	SHV		QZ-CA														
																																					36.50	37.40	P365017	0.002	CORE
36.90	47.50	BXB		W	36.90	47.50	S			W	W			S																										
Weakly crackle fractured (chlorite healed).					*Moderate hematite staining.,*																																				
																																					37.40	38.00	P365018	0.014	CORE
																																					38.00	39.00	P365019	0.104	CORE
																																					39.00	39.00	P365020	0.139	DUP
																																					39.00	40.00	P365021	0.021	CORE
																																					40.00	41.00	P365022	0.024	CORE
																																					41.00	42.00	P365023	0.003	CORE
																																					42.00	43.00	P365024	0.010	CORE
																																					43.00	44.00	P365025	0.005	CORE
																																					44.00	45.00	P365026	0.006	CORE
																																					45.00	46.00	P365027	0.013	CORE
																																					46.00	47.00	P365028	0.003	CORE
																																					47.00	47.50	P365029	0.009	CORE
																																					47.50	47.50	P365030	1.470	15D
47.50	48.00	SH	70	S	47.50	48.00	S			S					S					47.50	48.00	50	SHV		CA														
																																					47.50	48.00	P365031	0.015	CORE
																																					48.00	49.10	P365032	0.020	CORE
					48.00	62.90	S			W	W			S																										
					Moderate hematite staining.																																					

From	To	Litho
2.50	66.20	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS									MINERALIZATION									SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
48.00	66.19	BXB		W																																				
Weakly cracle fractured.																																								
																																					49.10	50.00	P365033	0.016	CORE
																												49.10	50.60	1	VLT	-	CP	1					
																																					50.00	50.60	P365034	0.335	CORE
																																					50.60	52.00	P365035	0.047	CORE
																																					52.00	53.00	P365036	0.021	CORE
																																					53.00	54.00	P365037	0.060	CORE
																																					54.00	55.00	P365038	0.005	CORE
																				54.00	66.20	5	EGQV		QZ-CA																
																																					55.00	56.00	P365039	0.023	CORE
																																					56.00	56.00	P365040	<0.001	BLK
																																					56.00	57.00	P365041	0.004	CORE
																																					57.00	58.00	P365042	0.002	CORE
																																					58.00	59.00	P365043	0.018	CORE
																																					59.00	60.00	P365044	0.050	CORE
																																					60.00	61.00	P365045	0.038	CORE
																																					61.00	62.00	P365046	0.009	CORE
																																					62.00	62.90	P365047	0.016	CORE
																																					62.90	64.00	P365048	0.223	CORE
					62.90	66.20	S			S		S		S						62.90	66.20	3	VLT		CP																
					Weak hematite staining,																																						
																																						64.00	65.00	P365049	0.032	CORE
																																					65.00	65.00	P365050	0.088	DUP
																																					65.00	66.20	P365051	0.026	CORE
66.19	66.20	CNT	50																																					

From	To	Litho
66.20	67.60	5h

Aphanitic, black and silicified mafic dyke. Chloritic. 1% pyrite. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS									MINERALIZATION									SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					66.20	67.00	P365052	0.222	CORE
					66.20	67.60	S			S				S						66.20	67.60	1	DISS		-																
																																					67.00	67.60	P365053	0.574	CORE
67.59	67.60	CNT	50																																					

From	To	Litho
67.60	72.90	7c

Borderline composition between quartz diorite and granodiorite. Medium-grained. Medium pinky-purple-grey. 45% feldspars, 35% quartz (white quartz and blue quartz eyes), 15% biotite+amphiboles. Strongly silicified throughout with moderate sericite and hematite staining. Weakly crackle fractured throughout (healed with chlorite). 0.5% pyrite - concentrated predominantly in crackle fracture but a few veins with higher concentrations of pyrite +/- chalcopyrite. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
67.60	72.89	BXB		W
72.89	72.90	CNT	60	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
67.60	72.90	S			M	M			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
67.60	72.90	0.5	VLT	-	CP	0.1		

SAMPLES

From	To	Sample	Au g/t	Type
67.60	68.00	P365054	0.032	CORE
68.00	69.00	P365055	0.034	CORE
69.00	70.00	P365056	0.010	CORE
70.00	71.00	P365057	0.014	CORE
71.00	72.00	P365058	0.013	CORE
72.00	72.90	P365059	0.010	CORE

From	To	Litho
72.90	73.80	10a

Porphyritic lamprophyre. Small biotite phenocrysts throughout. Silicified and chloritic. 0.5% subhedral pyrite. Lower contact is oriented at 65 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
73.79	73.80	CNT	65	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
72.90	73.80	M			M				M					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
72.90	73.80	0.5	SEUH	-				

SAMPLES

From	To	Sample	Au g/t	Type
72.90	72.90	P365060	8.910	62C
72.90	73.80	P365061	0.013	CORE

From	To	Litho
73.80	76.90	6a

Strongly altered, medium-grained, quartz diorite. 50% feldspars, 30% quartz (all blue quartz), 20% biotite+amphiboles. Minor chloritic crackle fractures throughout. Strong silicification, as well as very strong sericite and chlorite alteration. 1% disseminated pyrite from 73.8m to 76.1m; from 76.1m to 76.9m there is 3% pyrite in veinlets. Lower contact is obscured by a small section of broken core.

STRUCTURES

From	To	Struct	CA	Strain
73.80	76.89	BXB		M

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
73.80	76.90	VS			VS	VS			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
73.80	76.10	1	VLT	-				

SAMPLES

From	To	Sample	Au g/t	Type
73.80	75.00	P365062	0.009	CORE

From	To	Litho
73.80	76.90	6a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
76.89	76.90	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
76.90	81.00	VS			VS	VS								

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
76.10	76.90	3	VLT	-				
81.00	112.80	0.5	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
75.00	76.10	P365063	0.009	CORE
76.10	76.90	P365064	0.055	CORE
76.90	78.00	P365065	0.009	CORE
78.00	79.00	P365066	0.016	CORE
79.00	80.00	P365067	0.018	CORE
80.00	81.00	P365068	0.002	CORE
81.00	82.00	P365069	0.081	CORE
82.00	82.00	P365070	<0.001	BLK
82.00	83.00	P365071	0.026	CORE
83.00	84.00	P365072	0.013	CORE
84.00	85.00	P365073	0.009	CORE
85.00	86.00	P365074	0.022	CORE
86.00	87.00	P365075	0.013	CORE

From	To	Litho
76.90	81.00	1f

Chlorite-sericite schist. Strongly sheared at 60 degrees to the core axis. Abundant leucoxene throughout. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
76.90	80.99	SH	60	S
80.99	81.00	CNT	60	

From	To	Litho
81.00	112.80	6f

Pseudo brecciated granodiorite. 60% granodiorite with 40% feldspar and chlorite rich gabbroic matrix. Very blebby, wavy and rounded clast and matrix geometry. Only trace pyrite throughout. Granodiorite is pink and has 40% feldspars, 50% quartz, 10% biotite+amphiboles. Gabbroic material is mottled green, has interlocking milky green feldspars (40%) and 60% mafic minerals. Lower contact reflects a change to all gabbro from the pseudo breccia.

STRUCTURES

From	To	Struct	CA	Strain
81.00	112.79	BXD		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
81.00	112.80	S			M				S					

Intermittent hematite staining.

From	To	Litho
81.00	112.80	6f

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					87.00	88.00	P365076	0.169	CORE
																																				88.00	89.00	P365077	0.052	CORE
																																				89.00	90.00	P365078	0.053	CORE
																																				90.00	91.00	P365079	0.005	CORE
																																				91.00	91.00	P365080	0.005	DUP
																																				91.00	92.00	P365081	0.009	CORE
																																				92.00	93.00	P365082	0.005	CORE
																																				93.00	94.00	P365083	0.003	CORE
																																				94.00	95.00	P365084	0.114	CORE
																																				95.00	96.00	P365085	0.066	CORE
																																				96.00	97.00	P365086	0.007	CORE
																																				97.00	98.00	P365087	0.045	CORE
																																				98.00	99.00	P365088	0.011	CORE
																																				99.00	100.00	P365089	0.007	CORE
																																				100.00	100.00	P365090	1.550	15D
																																				100.00	101.00	P365091	0.007	CORE
																																				101.00	102.00	P365092	0.011	CORE
																																				102.00	103.00	P365093	0.027	CORE
																																				103.00	104.00	P365094	0.032	CORE
																																				104.00	105.00	P365095	0.009	CORE
																																				105.00	106.00	P365096	0.031	CORE
																																				106.00	107.00	P365097	0.007	CORE
																																				107.00	108.00	P365098	0.081	CORE
																																				108.00	109.00	P365099	0.750	CORE
																																				109.00	109.00	P365100	0.003	BLK
																																				109.00	110.00	P365101	0.465	CORE
																																				110.00	111.00	P365102	0.027	CORE
																																				111.00	112.00	P365103	0.175	CORE
112.79	112.80	CNT																																			112.00	112.80	P365104	0.094	CORE

From	To	Litho
112.80	122.20	9a

Medium green mottled with pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Feldspars are medium grained while the pyroxene and amphiboles are very fine-grained. Very weak patchy calcite alteration throughout. The chlorite in the unit is a pervasive alteration product and is strong. Zones of recrystallization that appear pink throughout as a weak daisy texture where there are quartz eyes with the feldspars nucleated upon the quartz and forming interlocking flowers around them. Trace pyrite through most of the interval. Lower contact is oriented at 80 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					112.80	114.00	P365105	0.081	CORE

From	To	Litho
112.80	122.20	9a

Medium green mottled with pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Feldspars are medium grained while the pyroxene and amphiboles are very fine-grained. Very weak patchy calcite alteration throughout. The chlorite in the unit is a pervasive alteration product and is strong. Zones of recrystallization that appear pink throughout as a weak daisy texture where there are quartz eyes with the feldspars nucleated upon the quartz and forming interlocking flowers around them. Trace pyrite through most of the interval. Lower contact is oriented at 80 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
122.19	122.20	CNT	80	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
112.80	122.20	M			M				M					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Mm	Mm%	Mm2	M2%
112.80	122.20	0.1	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
114.00	115.00	P365106	0.018	CORE
115.00	116.00	P365107	0.058	CORE
116.00	117.00	P365108	0.015	CORE
117.00	118.00	P365109	0.004	CORE
118.00	118.00	P365110	0.003	DUP
118.00	119.00	P365111	0.003	CORE
119.00	120.00	P365112	<0.001	CORE
120.00	121.00	P365113	0.002	CORE
121.00	122.20	P365114	0.012	CORE

From	To	Litho
122.20	131.30	7c

Granodiorite to quartz diorite - borderline composition. Fine- to medium-grained. Light pinky-purple-grey-cream. 45% feldspars, 35% quartz (white quartz and blue quartz eyes), 15% mafic minerals. Strongly silicified throughout and weakly hematite stained and moderately bleached. Between 124m and 127.6m there is moderate sericite and chlorite alteration. 0.5% pyrite. Lower contact is oriented at 85 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
122.20	124.00	S							S				M	
124.00	127.60	S			M	M			S					
127.60	131.30	S							S				M	

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Mm	Mm%	Mm2	M2%
122.20	130.30	0.5	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
122.20	123.00	P365115	0.049	CORE
123.00	124.00	P365116	0.040	CORE
124.00	125.00	P365117	0.003	CORE
125.00	126.00	P365118	0.005	CORE
126.00	127.00	P365119	0.015	CORE
127.00	127.00	P365120	1.560	15D
127.00	127.60	P365121	0.028	CORE
127.60	129.00	P365122	0.191	CORE
129.00	130.00	P365123	1.130	CORE
130.00	131.00	P365124	0.303	CORE

From	To	Litho
122.20	131.30	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS									MINERALIZATION									SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
130.29	131.30	CNT	85																																					
																																					131.00	131.50	P365125	0.277	CORE

From	To	Litho
131.30	132.00	10a

Porphyritic lamprophyre. Small biotite phenocrysts throughout. Silicified and chloritic. 0.5% subhedral pyrite. Lower contact is oriented at 65 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS									MINERALIZATION									SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																													131.30	132.00	0.5	-	-								
																																					131.50	132.00	P365126	0.237	CORE
131.99	132.00	CNT	65																																					

From	To	Litho
132.00	154.30	7c

Granodiorite to quartz diorite - borderline composition. Fine- to medium-grained. Light pinky-purple-grey-cream. 45% feldspars, 35% quartz (white quartz and blue quartz eyes), 15% mafic minerals. Strongly silicified throughout and weakly hematite stained and moderately bleached. 20cm wide chloritic zone between 137m and 137.2m. Strong hematite and moderate calcite alteration between 137.2m and 138m. From 151.6m to the end of the interval there is strong sericite and chlorite alteration. 0.5% pyrite. Lower contact is oriented at 55 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS									MINERALIZATION									SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																						132.00	133.00	P365127	1.750	CORE
					132.00	137.00	S							S				M										132.00	154.30	0.5	DISS	-								
																																						133.00	134.00	P365128	0.097	CORE
																																						134.00	135.00	P365129	0.218	CORE
																																						135.00	135.00	P365130	<0.001	BLK
																																						135.00	136.00	P365131	0.111	CORE
																																						136.00	137.20	P365132	0.168	CORE
					137.00	137.20	VS			VS																															
					137.20	138.00	VS			VW				S	M																									137.20	138.00	P365133	0.331	CORE
					Strong to very strong hematite staining,																																					
																																						138.00	139.00	P365134	0.196	CORE
					138.00	151.60	S			W				S				M																							
																																						139.00	140.00	P365135	0.413	CORE

From	To	Litho
132.00	154.30	7c

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
154.29	154.30	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
151.60	154.30	S			S	S			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
140.00	141.00	P365136	0.399	CORE
141.00	142.00	P365137	0.106	CORE
142.00	143.00	P365138	0.158	CORE
143.00	144.00	P365139	0.316	CORE
144.00	144.00	P365140	0.699	DUP
144.00	145.00	P365141	0.092	CORE
145.00	146.00	P365142	0.384	CORE
146.00	147.00	P365143	0.243	CORE
147.00	148.00	P365144	0.205	CORE
148.00	149.00	P365145	0.138	CORE
149.00	150.00	P365146	0.388	CORE
150.00	151.00	P365147	0.159	CORE
151.00	151.60	P365148	1.070	CORE
151.60	152.00	P365149	0.189	CORE
152.00	152.00	P365150	0.340	15D
152.00	153.00	P365151	0.248	CORE
153.00	154.30	P365152	0.216	CORE

From	To	Litho
154.30	156.70	6a

Strongly altered, medium-grained, quartz diorite. 50% feldspars, 30% quartz (all vibrant blue quartz), 20% biotite+amphiboles. Strong silicification, as well as very strong sericite and chlorite alteration. 1% disseminated pyrite. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
156.69	156.70	CNT	60	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
154.30	156.70	VS			VS	VS			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
154.30	156.70	1	VLT	-				

SAMPLES

From	To	Sample	Au g/t	Type
154.30	155.00	P365153	0.203	CORE
155.00	156.00	P365154	0.853	CORE
156.00	156.70	P365155	1.980	CORE

From	To	Litho
156.70	162.00	5h

Near aphanitic mafic dyke. Slightly mottled. Dark green-blue, almost black. Very minor veining and mineralization (1% quartz-calcite veining and 0.5% pyrite). Lower contact is obscured by a small section of broken and blocky core.

STRUCTURES

From	To	Struct	CA	Strain
161.99	162.00	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
156.70	162.00	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
156.70	162.00	1	LWV		QZ-CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
156.70	162.00	0.5	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
156.70	158.00	P365156	0.145	CORE
158.00	159.00	P365157	0.032	CORE
159.00	160.00	P365158	0.001	CORE
160.00	161.00	P365159	<0.001	CORE
161.00	161.00	P365160	<0.001	BLK
161.00	162.00	P365161	0.049	CORE

From	To	Litho
162.00	164.50	9a

Medium green mottled with minor pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. The chlorite in the unit is a pervasive alteration product and is strong. Lower contact is obscured by broken and blocky core.

STRUCTURES

From	To	Struct	CA	Strain
164.49	164.50	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
162.00	164.50	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
162.00	163.00	P365162	0.065	CORE
163.00	164.00	P365163	0.066	CORE
164.00	164.50	P365164	0.038	CORE

From	To	Litho
164.50	171.40	7c

Granodiorite, fine- to medium-grained. Pink-red-cream. 40% feldspars, 50% quartz, 10% biotite+amphiboles. Strong silicification, moderate hematite staining and weak chlorite alteration. Strongly crackle fractured throughout - healed with both chlorite and specular hematite. 1% pyrite throughout in fractures and disseminated. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
164.50	171.39	BXB		S

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
164.50	171.40	S			W				S					

Moderate hematite staining.

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
164.50	171.40	1	DISS	-	HM	1		

SAMPLES

From	To	Sample	Au g/t	Type
164.50	165.00	P365165	0.027	CORE

From	To	Litho
164.50	171.40	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					165.00	166.00	P365166	0.448	CORE
																																					166.00	167.00	P365167	0.161	CORE
																																					167.00	168.00	P365168	0.855	CORE
																																					168.00	169.00	P365169	0.052	CORE
																																					169.00	169.00	P365170	0.036	DUP
																																					169.00	170.00	P365171	0.053	CORE
																																					170.00	171.00	P365172	0.050	CORE
																																					171.00	171.40	P365173	0.114	CORE
171.39	171.40	CNT	60																																							

From	To	Litho
171.40	173.20	9a

Medium green mottled gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Well defined texture of interlocking green feldspars. The chlorite in the unit is a pervasive alteration product and is strong. Lower contact is oriented at 70 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					171.40	172.20	P365174	0.018	CORE
					171.40	173.20	M			M																																
																																					172.20	173.20	P365175	0.008	CORE
173.19	173.20	CNT	70																																							

From	To	Litho
173.20	174.20	7c

Granodiorite, fine- to medium-grained. Pink-red-cream. 40% feldspars, 50% quartz, 10% biotite+amphiboles. Strong silicification, moderate hematite staining and weak chlorite alteration. Strongly crackle fractured throughout - healed with both chlorite and specular hematite. 1% pyrite throughout in fractures and disseminated. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
173.20	174.19	BXB		S																																						
																																					173.20	174.20	P365176	0.596	CORE
					173.20	174.20	S			W				S															173.20	174.20	1	DISS	-	HM	1					
					Moderate hematite staining.																																						
174.19	174.20	CNT	50																																							

From	To	Litho
174.20	175.10	9a

Medium green mottled with minor pink daisies of recrystallized pink feldspars around quartz eyes. Gabbro to quartz gabbro. Hard to distinguish specific mineralogy due to very strong chlorite alteration. Intermittent quartz eyes that can be in concentrations up to 10%. The chlorite in the unit is a pervasive alteration product and is strong. Lower contact is sharp but irregular.

STRUCTURES

From	To	Struct	CA	Strain
175.09	175.10	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
174.20	175.10	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
174.20	175.10	P365177	0.006	CORE

From	To	Litho
175.10	176.20	7c

Granodiorite, fine- to medium-grained. Pink-red-cream. 40% feldspars, 50% quartz, 10% biotite+amphiboles. Strong silicification, moderate hematite staining and weak chlorite alteration and matrix calcite. Strongly crackle fractured throughout - healed with both chlorite and specular hematite. 0.5% pyrite throughout in fractures and disseminated. Lower contact is sharp but irregular.

STRUCTURES

From	To	Struct	CA	Strain
175.10	176.19	BXB		S
176.19	176.20	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
175.10	176.20	S			W				S	W				

Moderate hematite staining,

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
175.10	176.20	0.5	VLT	-	HM	1		

SAMPLES

From	To	Sample	Au g/t	Type
175.10	176.20	P365178	0.022	CORE

From	To	Litho
176.20	179.70	9a

Medium green mottled gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Well defined texture of interlocking green feldspars. The chlorite in the unit is a pervasive alteration product and is strong. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
179.69	179.70	CNT	60	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
176.20	179.70	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
176.20	177.00	P365179	0.024	CORE
177.00	177.00	P365180	0.333	52C
177.00	178.00	P365181	0.011	CORE
178.00	179.00	P365182	0.004	CORE
179.00	179.70	P365183	<0.001	CORE

From	To	Litho
179.70	180.30	7c

Granodiorite, fine- to medium-grained. Pink-red-cream. 40% feldspars, 50% quartz, 10% biotite+amphiboles. Strong silicification, moderate hematite staining and weak chlorite alteration and matrix calcite. Strongly crackle fractured throughout - healed with chlorite. 0.5% pyrite throughout in fractures and disseminated as well as abundant leucoxene. Lower contact is sharp but irregular.

STRUCTURES

From	To	Struct	CA	Strain
179.70	180.29	BXB		S
180.29	180.30	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
179.70	180.30	S			W				S	W				

Moderate hematite staining.

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
179.70	180.30	0.5	VLT	-				

SAMPLES

From	To	Sample	Au g/t	Type
179.70	180.30	P365184	<0.001	CORE

From	To	Litho
180.30	184.80	9a

Medium green mottled gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Well defined texture of interlocking green feldspars. The chlorite in the unit is a pervasive alteration product and is strong. Lower contact is oriented at 40 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
184.79	184.80	CNT	40	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
180.30	184.00	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
180.30	184.80	3	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
180.30	181.00	P365185	0.026	CORE
181.00	182.00	P365186	0.042	CORE
182.00	183.00	P365187	0.009	CORE
183.00	184.00	P365188	0.149	CORE
184.00	184.80	P365189	0.159	CORE

From	To	Litho
184.80	201.00	7c

Granodiorite, fine- to medium-grained. Pink-red-cream. 40% feldspars, 50% quartz, 10% biotite+amphiboles. Strong silicification, moderate hematite staining and weak chlorite alteration and matrix calcite. Strongly crackle fractured throughout - healed with chlorite. 0.5% pyrite throughout in fractures and disseminated. The unit is slightly bleached from the start to 193.3m. From 193.3m to 197.6m the core is strongly hematite stained, brick-red and has specular hematite seams. From 197.6m to 199.2m the core is strongly sericite and chlorite altered. END OF HOLE

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
184.80	184.80	P365190	<0.001	BLK
184.80	186.00	P365191	0.032	CORE

From	To	Litho
184.80	201.00	7c

Granodiorite, fine- to medium-grained. Pink-red-cream. 40% feldspars, 50% quartz, 10% biotite+amphiboles. Strong silicification, moderate hematite staining and weak chlorite alteration and matrix calcite. Strongly crackle fractured throughout - healed with chlorite. 0.5% pyrite throughout in fractures and disseminated. The unit is slightly bleached from the start to 193.3m. From 193.3m to 197.6m the core is strongly hematite stained, brick-red and has specular hematite seams. From 197.6m to 199.2m the core is strongly sericite and chlorite altered. END OF HOLE

STRUCTURES

From	To	Struct	CA	Strain
184.80	201.00	BXB		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
184.80	193.30	S			W				S				VW	
193.30	197.60	VS			W				S					
197.60	199.20	S			S	M			S					
199.20	201.00	S			W				S					

Weak hematite staining.

Very strong hematite staining,

Moderate hematite staining,

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
184.80	193.30	0.5	VLT	-				
193.30	197.60	0.5	VLT	-	HM	3		
197.60	201.00	0.5	VLT	-				

SAMPLES

From	To	Sample	Au g/t	Type
186.00	187.00	P365192	0.372	CORE
187.00	188.00	P365193	0.142	CORE
188.00	189.00	P365194	0.140	CORE
189.00	190.00	P365195	1.820	CORE
190.00	191.00	P365196	2.280	CORE
191.00	192.00	P365197	0.384	CORE
192.00	193.30	P365198	0.677	CORE
193.30	194.00	P365199	0.123	CORE
194.00	194.00	P365200	0.184	DUP
194.00	195.00	P365201	0.681	CORE
195.00	196.00	P365202	0.122	CORE
196.00	197.00	P365203	0.143	CORE
197.00	197.60	P365204	0.243	CORE
197.60	198.50	P365205	0.027	CORE
198.50	199.20	P365206	0.022	CORE
199.20	200.00	P365207	0.200	CORE
200.00	201.00	P365208	0.751	CORE

Sanatana Resources Inc.

GEOLOGICAL LOG FIELDS AND CODES DESCRIPTION

LITHOLOGY

Litho	Description
1	Mafic Metavolcanic (Unsubdivided)
1a	Massive basalt
1b	Pillow basalt
1c	Mafic Tuff
1d	Amygdaloidal Basalt
1f	Mafic Schist
1g	Amphibolite
1h	Mafic Gneiss
2	Intermediate Metavolcanic (Unsubdivided)
2a	Intermediate Flow
2b	Intermediate Lapilli tuff
2c	Intermediate Tuff breccia
2d	Volcanogenic sandstone to siltstone
2e	Intermediate Crystal tuff
2g	Intermediate Schist
2j	Intermediate Flow breccia
3	Felsic Metavolcanic (Unsubdivided)
3a	Felsic Flow
3b	Felsic Lapilli tuff
3c	Tuff breccia
3d	Quartz porphyritic volcanic
3e	Autoclastic flow breccia
3f	Hydrothermal breccia, with chlorite veining
3g	Felsic Schist

Litho	Description
4	Metasediment (Unsubdivided)
4a	Conglomerate, boulders and cobbles
4b	Pebbly sandstone, matrix supported
4c	Sandstone, arkosic sandstone, arenite
4d	Siltstone and mudstone
4e	Schist
4f	Chert
4g	Iron Formation
5	Mafic Intrusive (Unsubdivided)
5a	Gabbro
5b	Diorite
5c	Mafic Pegmatite
5g	Mafic Intrusive breccia
5h	Mafic Dike
6	Intermediate Intrusive (Unsubdivided)
6a	Quartz diorite
6b	Monzonite
6c	Monzodiorite with hematite-stained feldspar
6d	Syenite
6e	Feldspar porphyry
6em	Feldspar porphyry - small phenos, mafic
6eq	Quartz-Feldspar Porphyry
6f	Intermediate Intrusive breccia
6g	Intermediate Dike

Litho	Description
7	Felsic Synvolcanic Intrusive (Unsubdivided)
7a	Tonalite
7b	Trondjhemite
7c	Granodiorite
7d	Chlorite bearing breccia
7e	Pegmatite dike
7f	Quartz porphyry
7g	Intrusion breccia
7h	Aplite dike
7i	Felsic Schist
8	Felsic post volcanic Intrusive (Unsubdivided)
8a	Biotite tonalite
8b	Biotite + amphibole tonalite
8c	Biotite granodiorite
8d	Biotite + amphibole granodiorite
8e	Amphibole quartz monzonite to granodiorite
8f	Quartz–potassium feldspar megacrystic granite
8g	Foliated / sheared granite
8h	Granite gneiss
8i	Xenolithic granite
8j	Granite: aplite and/or pegmatite
8k	Magnetite bearing granite

Litho	Description
9	Diabase (unsubdivided)
9a	Gabbro to quartz gabbro
9b	Plagioclase phyric quartz gabbro
9c	Fine grained diabase
9d	Medium grained diabase
9e	Coarse grained diabase
9f	Xenolithic diabase
10	Lamprophyre (unsubdivided)
10a	Porphyritic Lamprophyre (ferromagnesian)
10b	Porphyritic Lamporphyre (feldspathic)
10c	Ultramafic intrusive
OVB	overburden
QSW	quartz stockwork
QVO	quartz vein
SHZ	Shear zone
ZFZ	fault zone/gouge

ALTERATION

Min	Description
AB	Albite
AK	Ankerite
AM	Amphibole
BT	Biotite
CC	Calcite
CL	Chlorite
DL	Dolomite
EP	Epidote
FD	Feldspar
FU	Fuchsite
GP	Graphite
GT	Garnet
HB	Hornblende
LX	Leucoxene
MT	Magnetite
MU	Muscovite
PL	Plagioclase
PX	Pyroxene
SR	Sericite
TC	Talc
TR	Tourmaline

Int	Description
VW	Very Weak
W	Weak
M	Moderate
S	Strong
VS	Very Strong
-	Not Recorded

MINERALIZATION

Style	Description
AN	Anhedral
CG	Coarse grained
DISS	Disseminated
EUH	Euhedral
FG	Fine grained
MS	Massive
MG	Medium grained
SM	Semi massive
SEUH	Sub-Euhedral
VLT	Veinlets

Min	Description
AS	Arsenopyrite
CP	Chalcopyrite
GN	Galena
MO	Molybdenite
PO	Pyrrhotite
SP	Sphalerite
HM	Hematite

VG	Description
VG	visible gold noted (historical)
VG1	weak (1 or 2 specks)
VG2	moderate (3-10 specks)
VG3	strong (>10 specks)
-	not recorded

STRUCTURE

Type	Description
-	Overburden
BDG	Bedding
BKY	Blocky
BXB	Breccia (brittle)
BXD	Breccia (ductile)
CNT	Contact
CRN	Crenulated
FLT	Fault
FOL	Foliation
FRC	Fracture
G	Gouge
LIN	Lineation
MS	Massive
SH	Shear
SSF	Small Scale Folds

Strain	Description
VW	Very Weak
W	Weak
M	Moderate
S	Strong
VS	Very Strong
-	Not Recorded

VEINING

Style	Description
EGQV	Early Grey Quartz Vein(s)
LWV	Late White Vein(s)
RBV	Ribboned Vein
SEV	Sheeted Extension Vein(s)
SEVA	Sigmoidal Extension Vein Array
SHV	Shear Vein(s)
STYV	Stylolitic Vein

Type	Description
AK	Ankerite
CA	Calcite
CB	Carbonate
HE	Hematite
QZ	Quartz
QZ-AB	Quartz-Albite
QZ-AK	Quartz-Ankerite
QZ-CA	Quartz-Calcite
QZ-CB	Quartz-Carbonate
QZ-FU	Quartz-Fuchsite
QZ-TO	Quartz-Tourmaline
TO	Tourmaline

TITLE PAGE

Hole ID	**SR-13-05**	***Project***	**Watershed**

Section	L13	***Easting***	428480	***Source***	GPS
Site	Surface	***Northing***	5266465	***Azimuth***	170
Twp	Chester	***Elevation***	381	***Dip***	-60
Claim	3011820	***Grid***	UTM NAD83	***Length***	102.00 *m*

Logged by	Eden Hynes	***DDH Started***	26-Jan-13
Geotechnician	Don Lashbrook	***DDH Finished***	27-Jan-13
Geotech Type	Basic	***Log Completed***	28-Jan-13
Drill Contractor	Surface Contract Drilling	***Last Updated***	14-Jun-13
Core Size	NQ2		

DIP TESTS (other than Maxibor)

Depth	*Azimuth*	*Dip*	*Type*
15.00	174.50	-59.70	EZ
51.00	175.90	-59.90	EZ
102.00	174.80	-59.80	EZ

Available Analyses:	***FA*** Yes	***GRAV*** No	***MET*** No	***ICP*** Yes	***WR*** No

Summary

Core is stored at the Sanatana core shack behind the Watershed Car and Truck Stop, corner of Hwy 144 and 560.

Sanatana Resources Inc. Drill Log
Watershed

Signature: _____

Initials: _____

SR-13-05

From	To	Litho
0.00	2.40	OVB

Casing, overburden.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type

From	To	Litho
2.40	21.30	6f

Pseudo brecciated granodiorite. 60% granodiorite with 40% feldspar and chlorite rich gabbroic matrix. Very blebby, wavy and rounded clast and matrix geometry. Only trace pyrite throughout. Granodiorite is pink and has 40% feldspars, 50% quartz, 10% biotite+amphiboles. Gabbroic material is mottle green, has interlocking milky green feldspars (40%) and 60% mafic minerals. Lower contact is oriented at 45 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					2.40	3.00	P365209	0.006	CORE
2.40	21.29	BXD																																							
					2.40	21.30	S			M				S						2.40	21.30	0.5	EGQV		QZ-CA				2.40	21.30	0.5	VLT		-								
																																					3.00	3.00	P365210	8.890	62C
																																					3.00	4.00	P365211	0.006	CORE
																																					4.00	5.00	P365212	0.019	CORE
																																					5.00	6.00	P365213	0.082	CORE
																																					6.00	7.00	P365214	0.016	CORE
																																					7.00	8.00	P365215	0.020	CORE
																																					8.00	9.00	P365216	0.019	CORE
																																					9.00	10.00	P365217	0.194	CORE
																																					10.00	11.00	P365218	0.146	CORE
																																					11.00	12.00	P365219	0.028	CORE
																																					12.00	12.00	P365220	0.004	BLK
																																					12.00	13.00	P365221	0.058	CORE
																																					13.00	14.00	P365222	0.060	CORE
																																					14.00	15.00	P365223	0.002	CORE
																																					15.00	16.00	P365224	0.027	CORE
																																					16.00	17.00	P365225	<0.001	CORE
																																					17.00	18.00	P365226	<0.001	CORE
																																					18.00	19.00	P365227	0.012	CORE
																																					19.00	20.00	P365228	0.262	CORE
																																					20.00	21.30	P365229	0.005	CORE
21.29	21.30	CNT	45																																						

From	To	Litho
21.30	23.30	1f

Chlorite-sericite schist. Strongly foliated at 50 degrees to the core axis. 5% late white calcite veins that crosscut the fabric orientation. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
21.30	23.29	SH	50	S
23.29	23.30	CNT	50	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
21.30	23.30	S			S	S								

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
21.30	23.30	5	LWV		CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
21.30	21.30	P365230	0.023	DUP
21.30	22.30	P365231	0.005	CORE
22.30	23.30	P365232	<0.001	CORE

From	To	Litho
23.30	25.30	6a

Strongly altered, medium-grained, quartz diorite. 30% quartz (all light blue quartz eyes). Strong alteration makes specific mineralogy difficult to distinguish. Strong silicification, as well as very strong sericite and chlorite alteration. 0.5% disseminated pyrite. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
25.29	25.30	CNT	50	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
23.30	25.30	VS			VS	VS			S					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
23.30	25.30	0.5	-	-				

SAMPLES

From	To	Sample	Au g/t	Type
23.30	24.00	P365233	0.040	CORE
24.00	25.00	P365234	0.002	CORE
25.00	26.00	P365235	0.016	CORE

From	To	Litho
25.30	30.10	1f

Chlorite-sericite schist. Strongly foliated to crenulated at 50 degrees to the core axis. Strongly silicified from 28.7m to 30.1m. 5% late white calcite veins that crosscut the fabric orientation. Lower contact is oriented at 50 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
25.30	30.09	SH	50	S

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
25.30	28.70	VS			VS	VS			M					
28.70	30.10	VS			VS	VS			VS					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
25.30	30.10	5	LWV		CA			

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
26.00	26.40	P365236	0.152	CORE
26.40	27.00	P365237	0.003	CORE
27.00	28.00	P365238	0.008	CORE
28.00	29.00	P365239	0.074	CORE

From	To	Litho
25.30	30.10	1f

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Mm	Mm%	Mm2	M2%	From	To	Sample	Au g/t	Type
																																					29.00	29.00	P365240	8.390	62C
																																				29.00	30.10	P365241	0.005	CORE
30.09	30.10	CNT	50																																					

From	To	Litho
30.10	53.00	9a

Medium green mottled with minor pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. The chlorite in the unit is a pervasive alteration product and is strong. Pink calcite vein between 40.3m and 40.6m with a minor amount of pyrite at its lower contact with the country rock. Minor specular hematite seams throughout. Trace pyrite. Lower contact is obscured by broken and blocky core.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Mm	Mm%	Mm2	M2%	From	To	Sample	Au g/t	Type
																																					30.10	31.00	P365242	0.002	CORE
					30.10	52.00	M			M																															
																													30.10	53.00	0.1	DISS	-	HM	1					
																																				31.00	32.00	P365243	0.004	CORE
																																				32.00	33.00	P365244	<0.001	CORE
																																				33.00	34.00	P365245	0.003	CORE
																																				34.00	35.00	P365246	<0.001	CORE
																																				35.00	36.00	P365247	0.002	CORE
																																				36.00	37.00	P365248	0.072	CORE
																																				37.00	38.00	P365249	0.001	CORE
																																				38.00	38.00	P365250	<0.001	BLK
																																				38.00	39.00	P365251	0.054	CORE
																																				39.00	40.00	P365252	0.009	CORE
																																				40.00	41.00	P365253	2.770	CORE
																				40.30	40.60	100	LWV				CA													
																																				41.00	42.00	P365254	0.041	CORE
																																				42.00	43.00	P365255	0.021	CORE
																																				43.00	44.00	P365256	0.003	CORE
																																				44.00	45.00	P365257	0.005	CORE
																																				45.00	46.00	P365258	0.039	CORE
																																				46.00	47.00	P365259	0.068	CORE
																																				47.00	47.00	P365260	0.057	DUP
																																				47.00	48.00	P365261	0.010	CORE
																																				48.00	49.00	P365262	0.013	CORE
																																				49.00	50.00	P365263	0.001	CORE
																																				50.00	51.00	P365264	<0.001	CORE
																																				51.00	52.00	P365265	0.029	CORE
																																				52.00	53.00	P365266	0.063	CORE

From	To	Litho
30.10	53.00	9a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
52.99	53.00	CNT		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
53.00	54.30	10a

Porphyritic, hematite stained lamprophyre. Biotite phenocrysts throughout. 3% pyrite. Lower contact is oriented at 60 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain
54.29	54.30	CNT	60	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
53.00	54.30	3	MG	-				

SAMPLES

From	To	Sample	Au g/t	Type
53.00	54.30	P365267	0.101	CORE

From	To	Litho
54.30	69.20	9a

Variably textured, gabbro to quartz gabbro: medium green mottled with minor pink, gabbro to quartz gabbro. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Some sections of this unit are weakly porphyritic. The chlorite in the unit is a pervasive alteration product and is strong. Minor specular hematite seams throughout. Trace pyrite. Lower contact is oriented at 75 degrees to the core axis.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
54.30	69.20	M			M									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
54.30	69.20	0.1	DISS	-	HM	1		

SAMPLES

From	To	Sample	Au g/t	Type
54.30	55.00	P365268	0.011	CORE
55.00	56.00	P365269	0.095	CORE
56.00	56.00	P365270	8.590	62C
56.00	57.00	P365271	0.005	CORE
57.00	58.00	P365272	0.019	CORE
58.00	59.00	P365273	0.028	CORE
59.00	60.00	P365274	0.021	CORE
60.00	61.00	P365275	0.010	CORE
61.00	62.00	P365276	0.081	CORE
62.00	63.00	P365277	0.026	CORE
63.00	64.00	P365278	0.043	CORE
64.00	65.00	P365279	0.006	CORE
65.00	65.00	P365280	<0.001	BLK
65.00	66.00	P365281	0.014	CORE
66.00	67.00	P365282	0.001	CORE
67.00	68.00	P365283	0.001	CORE
68.00	69.20	P365284	0.114	CORE

From	To	Litho
54.30	69.20	9a

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
69.19	69.20	CNT	75																																				

From	To	Litho
69.20	81.70	6a

Medium-grained, salt and pepper, quartz diorite. 50% feldspars, 30% quartz, 20% mafic minerals. Strong silicification. Moderate sericite and chlorite alteration. 0.5% disseminated pyrite through most of the interval. Between 80.5m and 80.6m there is a quarts vein that has 5% aggregate-style pyrite. Lower contact is oriented at 40 degrees to the core axis.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					69.20	70.00	P365285	0.181	CORE
																													69.20	80.50	0.5	DISS	-							
					69.20	81.70	S			M	M			S																										
																																					70.00	71.00	P365286	0.063	CORE
																																					71.00	72.00	P365287	0.035	CORE
																																					72.00	73.00	P365288	0.003	CORE
																																					73.00	74.00	P365289	0.016	CORE
																																					74.00	74.00	P365290	0.013	DUP
																																					74.00	75.00	P365291	0.017	CORE
																																					75.00	76.00	P365292	0.105	CORE
																																					76.00	77.00	P365293	0.006	CORE
																																					77.00	78.00	P365294	0.041	CORE
																																					78.00	79.00	P365295	0.004	CORE
																																					79.00	80.00	P365296	0.025	CORE
																																					80.00	81.00	P365297	0.021	CORE
																				80.50	80.60	90	LWV		QZ				80.50	80.60	5	SM	-							
																													80.60	81.70	0.5	DISS	-							
																																					81.00	81.70	P365298	0.019	CORE
81.69	81.70	CNT	40																																				

From	To	Litho
81.70	102.00	9a

Variably textured, medium green mottled with minor pink, gabbro to quartz gabbro. Few leucocratic sections throughout. 40% feldspar, 60% pyroxene + amphiboles + chlorite through most of the unit - but there are intermittent quartz eyes that can be in concentrations up to 10%. Some sections of this unit are weakly porphyritic. The chlorite in the unit is a pervasive alteration product and is strong. Minor specular hematite seams throughout. Trace pyrite. END OF HOLE

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
81.70	102.00	S			S									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	I/G	Min	Min%	Min2	M2%
81.70	102.00	0.5	DISS	-	HM	1		

SAMPLES

From	To	Sample	Au g/t	Type
81.70	83.00	P365299	0.001	CORE
83.00	83.00	P365300	0.359	52C
83.00	84.00	P365301	0.001	CORE
84.00	85.00	P365302	0.007	CORE
85.00	86.00	P365303	0.023	CORE
86.00	87.00	P365304	0.007	CORE
87.00	88.00	P365305	0.004	CORE
88.00	89.00	P365306	0.007	CORE
89.00	90.00	P365307	0.025	CORE
90.00	91.00	P365308	0.014	CORE
91.00	92.00	P365309	0.002	CORE
92.00	92.00	P365310	<0.001	BLK
92.00	93.00	P365311	0.042	CORE
93.00	94.00	P365312	0.018	CORE
94.00	95.00	P365313	0.012	CORE
95.00	96.00	P365314	0.102	CORE
96.00	97.00	P365315	0.053	CORE
97.00	98.00	P365316	0.300	CORE
98.00	99.00	P365317	0.192	CORE
99.00	100.00	P365318	0.052	CORE
100.00	101.00	P365319	0.082	CORE
101.00	101.00	P365320	0.126	DUP
101.00	102.00	P365321	0.127	CORE

Sanatana Resources Inc.

GEOLOGICAL LOG FIELDS AND CODES DESCRIPTION

LITHOLOGY

Litho	Description
1	Mafic Metavolcanic (Unsubdivided)
1a	Massive basalt
1b	Pillow basalt
1c	Mafic Tuff
1d	Amygdaloidal Basalt
1f	Mafic Schist
1g	Amphibolite
1h	Mafic Gneiss
2	Intermediate Metavolcanic (Unsubdivided)
2a	Intermediate Flow
2b	Intermediate Lapilli tuff
2c	Intermediate Tuff breccia
2d	Volcanogenic sandstone to siltstone
2e	Intermediate Crystal tuff
2g	Intermediate Schist
2j	Intermediate Flow breccia
3	Felsic Metavolcanic (Unsubdivided)
3a	Felsic Flow
3b	Felsic Lapilli tuff
3c	Tuff breccia
3d	Quartz porphyritic volcanic
3e	Autoclastic flow breccia
3f	Hydrothermal breccia, with chlorite veining
3g	Felsic Schist

Litho	Description
4	Metasediment (Unsubdivided)
4a	Conglomerate, boulders and cobbles
4b	Pebbly sandstone, matrix supported
4c	Sandstone, arkosic sandstone, arenite
4d	Siltstone and mudstone
4e	Schist
4f	Chert
4g	Iron Formation
5	Mafic Intrusive (Unsubdivided)
5a	Gabbro
5b	Diorite
5c	Mafic Pegmatite
5g	Mafic Intrusive breccia
5h	Mafic Dike
6	Intermediate Intrusive (Unsubdivided)
6a	Quartz diorite
6b	Monzonite
6c	Monzodiorite with hematite-stained feldspar
6d	Syenite
6e	Feldspar porphyry
6em	Feldspar porphyry - small phenos, mafic
6eq	Quartz-Feldspar Porphyry
6f	Intermediate Intrusive breccia
6g	Intermediate Dike

Litho	Description
7	Felsic Synvolcanic Intrusive (Unsubdivided)
7a	Tonalite
7b	Trondjhemite
7c	Granodiorite
7d	Chlorite bearing breccia
7e	Pegmatite dike
7f	Quartz porphyry
7g	Intrusion breccia
7h	Aplite dike
7i	Felsic Schist
8	Felsic post volcanic Intrusive (Unsubdivided)
8a	Biotite tonalite
8b	Biotite + amphibole tonalite
8c	Biotite granodiorite
8d	Biotite + amphibole granodiorite
8e	Amphibole quartz monzonite to granodiorite
8f	Quartz–potassium feldspar megacrystic granite
8g	Foliated / sheared granite
8h	Granite gneiss
8i	Xenolithic granite
8j	Granite: aplite and/or pegmatite
8k	Magnetite bearing granite

Litho	Description
9	Diabase (unsubdivided)
9a	Gabbro to quartz gabbro
9b	Plagioclase phyric quartz gabbro
9c	Fine grained diabase
9d	Medium grained diabase
9e	Coarse grained diabase
9f	Xenolithic diabase
10	Lamprophyre (unsubdivided)
10a	Porphyritic Lamprophyre (ferromagnesian)
10b	Porphyritic Lamporphyre (feldspathic)
10c	Ultramafic intrusive
OVB	overburden
QSW	quartz stockwork
QVO	quartz vein
SHZ	Shear zone
ZFZ	fault zone/gouge

ALTERATION

Min	Description
AB	Albite
AK	Ankerite
AM	Amphibole
BT	Biotite
CC	Calcite
CL	Chlorite
DL	Dolomite
EP	Epidote
FD	Feldspar
FU	Fuchsite
GP	Graphite
GT	Garnet
HB	Hornblende
LX	Leucoxene
MT	Magnetite
MU	Muscovite
PL	Plagioclase
PX	Pyroxene
SR	Sericite
TC	Talc
TR	Tourmaline

Int	Description
VW	Very Weak
W	Weak
M	Moderate
S	Strong
VS	Very Strong
-	Not Recorded

MINERALIZATION

Style	Description
AN	Anhedral
CG	Coarse grained
DISS	Disseminated
EUH	Euhedral
FG	Fine grained
MS	Massive
MG	Medium grained
SM	Semi massive
SEUH	Sub-Euhedral
VLT	Veinlets

Min	Description
AS	Arsenopyrite
CP	Chalcopyrite
GN	Galena
MO	Molybdenite
PO	Pyrrhotite
SP	Sphalerite
HM	Hematite

VG	Description
VG	visible gold noted (historical)
VG1	weak (1 or 2 specks)
VG2	moderate (3-10 specks)
VG3	strong (>10 specks)
-	not recorded

STRUCTURE

Type	Description
-	Overburden
BDG	Bedding
BKY	Blocky
BXB	Breccia (brittle)
BXD	Breccia (ductile)
CNT	Contact
CRN	Crenulated
FLT	Fault
FOL	Foliation
FRC	Fracture
G	Gouge
LIN	Lineation
MS	Massive
SH	Shear
SSF	Small Scale Folds

Strain	Description
VW	Very Weak
W	Weak
M	Moderate
S	Strong
VS	Very Strong
-	Not Recorded

VEINING

Style	Description
EGQV	Early Grey Quartz Vein(s)
LWV	Late White Vein(s)
RBV	Ribboned Vein
SEV	Sheeted Extension Vein(s)
SEVA	Sigmoidal Extension Vein Array
SHV	Shear Vein(s)
STYV	Stylolitic Vein

Type	Description
AK	Ankerite
CA	Calcite
CB	Carbonate
HE	Hematite
QZ	Quartz
QZ-AB	Quartz-Albite
QZ-AK	Quartz-Ankerite
QZ-CA	Quartz-Calcite
QZ-CB	Quartz-Carbonate
QZ-FU	Quartz-Fuchsite
QZ-TO	Quartz-Tourmaline
TO	Tourmaline

TITLE PAGE

Hole ID	**SR-13-06**	***Project***	**Watershed**

Section	L15	***Easting***	428603	***Source***	GPS
Site	Surface	***Northing***	5266660	***Azimuth***	170
Twp	Chester	***Elevation***	408	***Dip***	-60
Claim	3011820	***Grid***	UTM NAD83	***Length***	462.90 ***m***

Logged by	Frank Racicot	***DDH Started***	29-Jan-13
Geotechnician	Don Lashbrook	***DDH Finished***	08-Feb-13
Geotech Type	Basic	***Log Completed***	11-Feb-13
Drill Contractor	Surface Contract Drilling	***Last Updated***	14-Jun-13
Core Size	NQ2		

DIP TESTS (other than Maxibor)

Depth	*Azimuth*	*Dip*	*Type*
15.00	167.00	-58.20	EZ
51.00	169.80	-57.50	EZ
102.00	170.70	-56.90	EZ
150.00	174.50	-56.00	EZ
201.00	175.70	-55.80	EZ
252.00	177.70	-54.80	EZ
300.00	175.70	-54.30	EZ
351.00	180.80	-53.50	EZ
399.00	183.60	-52.20	EZ
450.00	184.60	-51.70	EZ
462.00	185.40	-51.50	EZ

Available Analyses:	***FA***	Yes	***GRAV***	No	***MET***	No	***ICP***	Yes	***WR*** No

Summary

Core is stored at the Sanatana core shack behind the Watershed Car and Truck Stop, corner of Hwy 144 and 560.

Sanatana Resources Inc. Drill Log
Watershed

Signature: _____

Initials: _____

SR-13-06

From	To	Litho
0.00	4.20	OVB

A few ground up gabbro and granodiorite cobbles

STRUCTURES					ALTERATION														VEINS								MINERALIZATION									SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type

From	To	Litho
4.20	10.03	5a

Gabbro with some quartz gabbro: Fine to medium grained, medium grey with light greenish tinge in places. 20-30% mafic minerals (hornblende, amphibole, chlorite). 40-70% plagioclase: 5-15% (blue) quartz- especially in last meter.

STRUCTURES					ALTERATION														VEINS								MINERALIZATION									SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
					4.20	10.03									VW					4.20	10.03	0.5																				
																				a few minor epidote and calcite veins																						
																																						4.23	5.00	P365322	0.041	CORE
																																					5.00	6.00	P365323	0.045	CORE
																																					6.00	7.00	P365324	0.015	CORE
																													6.00	9.00	0.5	VLT	-								
																																					7.00	8.00	P365325	0.018	CORE
					7.00	10.00													M																						
					in places the matrix and feldspar grains are very greenish and altered																																						
																																					8.00	9.00	P365326	0.008	CORE
																																				9.00	10.03	P365327	0.008	CORE
10.02	10.03	CNT	45																																						

From	To	Litho
10.03	20.50	6e

Feldspar Porphyry: fine grained, light to medium grey matrix with 20-60%+, usually anhedral to sub-hedral, greenish feldspar phenocrysts: up to 2-4% quartz in places; phenocrysts are variable in size and range from 1-2 mm to up to 5-8 mm. Mild foliation in places; a few reddish feldspars in places in proximity to hematite veinlets. 12 cm gabbro xenolith at 10.5m and 20 cm gabbro xenolith at 15.5m. Minor disseminated pyrite in places

STRUCTURES					ALTERATION														VEINS								MINERALIZATION									SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					10.03	11.00	P365328	<0.001	CORE

From	To	Litho
10.03	20.50	6e

Feldspar Porphyry: fine grained, light to medium grey matrix with 20-60%+, usually anhedral to sub-hedral, greenish feldspar phenocrysts: up to 2-4% quartz in places; phenocrysts are variable in size and range from 1-2 mm to up to 5-8 mm. Mild foliation in places; a few reddish feldspars in places in proximity to hematite veinlets. 12 cm gabbro xenolith at 10.5m and 20 cm gabbro xenolith at 15.5m. Minor disseminated pyrite in places

STRUCTURES

From	To	Struct	CA	Strain
11.00	11.01	FOL	75	W
		foliation varies to 55 degrees locally		
17.00	17.01	FOL	70	W
20.49	20.50	CNT	75	
		sharp contact		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
10.60	20.50	M												M

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
10.03	20.48	0.5	LWV					
		<1% usually thin calcite +/- hematite veinlets scattered throughout at variable degrees to CA19						
10.03	20.50	0.5						
		minor hematite veinlets						
19.00	20.00	5						60
		mainly 1 4 cm quartz vein with some chlorite; also few quartz or quartz epidote veins						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
11.00	12.00	0.5	VLT	-				
		plus minor dissem py						

SAMPLES

From	To	Sample	Au g/t	Type
11.00	12.00	P365329	<0.001	CORE
12.00	12.00	P365330	0.340	52C
12.00	13.00	P365331	0.011	CORE
13.00	14.00	P365332	<0.001	CORE
14.00	15.00	P365333	<0.001	CORE
15.00	16.00	P365334	<0.001	CORE
16.00	17.00	P365335	<0.001	CORE
17.00	18.00	P365336	<0.001	BLK
18.00	19.00	P365337	<0.001	CORE
19.00	20.50	P365338	<0.001	CORE

From	To	Litho
20.50	26.60	9a

Quartz gabbro and gabbro: Medium grained. Light green, moderately (blue) quartz gabbro and some gabbro. 10-30% fine grained mafic minerals, 5-20% blue quartz (ave 15%), 40-70% light greenish feldspars.

STRUCTURES

From	To	Struct	CA	Strain
26.59	26.60	CNT	40	

sharp contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
20.50	26.60	VS		VS										S

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
20.50	21.00	5	EGQV					
23.96	23.99	100	LWV					60
24.50	26.60	3	LWV					30

2 irregular quartz calcite veins

1% py and minor calcite

quartz calcite veins; approx 1% chlorite veinlets also

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
20.50	25.00	0.2	VLT	-				
25.00	26.00	0	-	-				
25.00	26.00	0.5	DISS	-		0.5	CP	0.5

minor cp; also dissem sulphides

cp occurs in a 1/2 cm veinlet @ 35 degres to CA

SAMPLES

From	To	Sample	Au g/t	Type
20.50	20.50	P365339	0.063	BLK
20.50	21.50	P365340	<0.001	CORE
21.50	22.50	P365341	0.083	CORE
22.50	23.50	P365342	0.207	CORE
23.50	24.50	P365343	0.018	CORE
24.50	25.00	P365344	0.024	CORE
25.00	26.00	P365345	0.057	CORE
26.00	26.60	P365346	0.028	CORE

From	To	Litho
26.60	31.00	5h

Mafic Dike: fine grained, dark green with many thin calcite veinlets from 29m-30.2m (Mafic schist) 50 cm altered, hematitic gabbro xenolith at 27.1m: 55 cm feldspar porphyry xenolith at 30.45m. Generally minor disseminated pyrite throughout

STRUCTURES

From	To	Struct	CA	Strain
27.10	27.60	BKY		

hematitic pink and green gabbro

SAMPLES

From	To	Sample	Au g/t	Type
26.60	27.62	P365347	0.006	CORE

From	To	Litho
26.60	31.00	5h

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
29.00	30.20	FOL	80	VW
		many thin calcite veinlets		
30.99	31.00	CNT	80	
		sharp contact		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
30.00	30.50					S								
		dark green chlorite mixed with irregular quartz veining (50%)												

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
29.00	30.20	5	SHV					80
		thin (< 1 mm) calcite veinlets; minor hematite veinlets						
30.25	30.45	75	EGQV					
		80% irregular quartz and dark green, soft chlorite						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
28.00	29.00	1	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
27.62	29.00	P365348	<0.001	CORE
29.00	30.00	P365349	<0.001	CORE
30.00	30.00	P365350	<0.001	DUP
30.00	30.50	P954001	<0.001	CORE
30.50	31.00	P954002	0.007	CORE

From	To	Litho
31.00	48.27	9a

Gabbro to quartz gabbro: similar to above unit but much less quartz:5-10% blue or grey quartz clots; 20-40% mafic minerals; 30-50% light green feldspars; 65 cm mafic dike with sharp contacts at 35.3m. 39.48m to 40 m fine grained, silicified strong shear zone with weak foliation extending above and below shear contacts for a few cm. Generally rare sulphides up to 45.7m- after which there is 3-4% disseminated pyrite over next 80 cm in quartz diorite and fine grained, dark soft, 13 cm chloritic section at 46.45m. 80 cm medium light beige to light green medium grained, moderately fractured quartz diorite. Fractures are filled with chlorite, calcite, quartz, hematite, epidote or minor sulphides. Small 20 cm dirty pinkish lamprophyre at 46.35m

STRUCTURES

From	To	Struct	CA	Strain
35.29	35.30	CNT	50	VW
		Upper contact of mafic dike		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
31.00	45.00	M				W								
31.00	46.60	M												M

SAMPLES

From	To	Sample	Au g/t	Type
31.00	32.50	P954003	0.012	CORE
32.50	34.00	P954004	0.021	CORE
34.00	35.30	P954005	0.041	CORE
35.30	36.00	P954006	0.005	CORE
36.00	37.00	P954007	0.002	CORE
37.00	38.00	P954008	0.003	CORE
38.00	39.48	P954009	<0.001	CORE
39.48	39.48	P954010	1.550	15D

From	To	Litho
31.00	48.27	9a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
39.48	40.00	SH	80	S
48.26	48.27	CNT	70	
48.50	48.51	FOL	60	VW

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
39.48	40.00	S				S				VW				
46.60	47.40	S			M					M				M

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
43.60	44.00	2	SHV					40
46.60	47.40	3						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
43.60	44.00	2	DISS	-				
45.70	46.60	4	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
39.48	40.00	P954011	0.004	CORE
40.00	41.00	P954012	0.002	CORE
41.00	42.00	P954013	<0.001	CORE
42.00	43.00	P954014	<0.001	CORE
43.00	44.00	P954015	<0.001	CORE
44.00	45.00	P954016	<0.001	CORE
45.00	45.80	P954017	<0.001	CORE
45.80	46.60	P954018	0.005	CORE
46.60	47.40	P954019	0.008	CORE
47.40	47.40	P954020	<0.001	BLK
47.40	48.27	P954021	<0.001	CORE
48.27	48.90	P954022	0.001	CORE

Fine grained, light, medium and dark grey, silicified shear zone; foliation 70-80 degrees to CA

altered shear zone; rare fine pyrite

dark green chlorite veinlets; some veins at 50 degrees; also small set of chlorite veinlets at 90 degrees to main chlorite veinlets;

sulphides associated with small fractures and chlorite zone

Sulphides are disseminated in 1st half of core and then as disseminated garins along foliation planes in last 20 cm

represents greenish quartz diorite or alterd gabbro

2% irregular dark chloritic veinlets and 1% calcite/quartz veinlets; minor hematite

sharp contact associated with a 1 cm chlorite vein

From	To	Litho
48.27	48.90	10a

Lamprophyre: fine to medium grained, dirty pink with 5% micas; irregular lower contact

From	To	Litho
48.27	48.90	10a

(Continued from previous page)

STRUCTURES					ALTERATION														VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
48.89	48.90	CNT																																						

irregular contact with quartz- calcite veinlet @ 90 degrees to contact

From	To	Litho
48.90	52.40	9a

Quartz gabbro to gabbro: medium grained, dark green matrix but variably light green from 20-80% throughout due to epidote. 20-40% mafic minerals, <5% to 20% blue quartz, 20-60% feldspars- usually light green in colour

STRUCTURES					ALTERATION														VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					48.90	50.00	P954023	0.004	CORE
					48.90	52.40	S											S	48.90	52.40	0.5							48.90	52.40	0.1	DISS	-								
					strong and slaightly variable														*late calcite/quartz or quartz veins scattered throughout*																						
																																					50.00	51.00	P954024	0.001	CORE
																																					51.00	52.40	P954025	0.001	CORE
52.30	52.30	FOL	60	VW																																				
weakly foliated near contact																																								
52.39	52.40	CNT																																						
slightly arbitrary contact																																								

From	To	Litho
52.40	57.53	5

Mafic Pseudo breccia. Generally fine grained to medium grained in places. Light grey, light to dark green, light pink altered 'fragments' or medium grained 'quartz diorite fragments' . 'Breccia texture' appears to be caused by a mixture of isolated, discoloured 'clots or the displacement of various altered sections of gabbro or undifferentiated mafic unit. < 1/2 % scattered disseminated sulphides.

STRUCTURES					ALTERATION														VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					52.40	53.80	P954026	0.005	CORE
																													52.40	57.52	0.5	DISS	-								
																													relatively minor scattered sulphides throughout												

From	To	Litho
52.40	57.53	5

Mafic Pseudo breccia. Generally fine grained to medium grained in places. Light grey, light to dark green, light pink altered 'fragments' or medium grained 'quartz diorite fragments' . 'Breccia texture' appears to be caused by a mixture of isolated, discoloured 'clots or the displacement of various altered sections of gabbro or undifferentiated mafic unit. < 1/2 % scattered disseminated sulphides.

STRUCTURES

From	To	Struct	CA	Strain
57.52	57.53	CNT	45	M

sharp lower marked by slightly broken core near contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
52.40	57.53	M								S				W

irregular patches of epidote rich rock, discoloured rock ot small chloritic clots; moderate to strong pervasive calcite throughout

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
58.77	58.97	80	EGQV					

Mainly dirty white, irregular quartz vein that is slightly breciated at upper contact

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
53.80	55.00	1	CG	-				
55.00	56.00	0.5	-	-				
56.00	57.53	0.1	-	-				
57.53	59.20	0.1	DISS	-				

several large pyrite blebs

several isolated clusters of disseminated pyrite

minor pyrite

SAMPLES

From	To	Sample	Au g/t	Type
53.80	55.00	P954027	0.027	CORE
55.00	56.00	P954028	0.001	CORE
56.00	57.00	P954029	0.004	CORE
57.00	57.00	P954030	<0.001	DUP
57.00	58.50	P954031	<0.001	CORE
58.50	59.20	P954032	<0.001	CORE

From	To	Litho
57.53	59.20	2g

Intermediate schist; fine to medium grained, greenish brown, light and darker green bands; slightly to partially moderately foliated at 50-60 degrees to CA.. 60-80% biotite+ amphibole+ chlorite; with some individual amphiboles aligned along the CA; 80 cm irregular quartz zone near lower contact; rare pyrite

STRUCTURES

From	To	Struct	CA	Strain
59.19	59.20	CNT	40	VW

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
57.53	59.20	M			W					M				

From	To	Litho
59.20	69.70	5a

Gabbro: gabbro that is extremely variably altered; medium grained: consists of a melange of quartz gabbro, gabbro, granodiorite looking patches; interlocking texture in many places; upper half is very greenish due to patchy but pervasive epidote alteration; lower half is generally dirty pinkish or grey. Much of the core is cut by thin chlorite filled fractures or irregular chlorite 'seams'; also some thin quartz, or quartz/calcite veinlets, a few epidote veinlets and a few thin 'altered' veinlets. Minor scattered pyrite in the veinlets of core and in places; 10% pyrite in a 5 cm mafic section at 59.9m: 80 cm mafic dike with 1% disseminated pyrite at 66.2m

STRUCTURES

From	To	Struct	CA	Strain
69.69	69.70	CNT	40	

Lower contact with diabase marked by broken core

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
59.20	63.00	M												M

variably epidotized

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Mn	Mn%	Mn2	M2%
59.20	60.00	1	DISS	-				
60.00	69.70	0.1	DISS	-				

10% large disseminated pryite grains- often aligned.

minor pyrite in chlorite or quartz veins, or in the core

SAMPLES

From	To	Sample	Au g/t	Type
59.20	60.00	P954033	0.021	CORE
60.00	61.00	P954034	<0.001	CORE
61.00	62.00	P954035	0.010	CORE
62.00	63.00	P954036	0.014	CORE
63.00	64.00	P954037	0.007	CORE
64.00	65.00	P954038	0.003	CORE
65.00	66.20	P954039	0.004	CORE
66.20	66.20	P954040	8.700	62C
66.20	67.00	P954041	0.007	CORE
67.00	68.33	P954042	0.003	CORE
68.33	69.70	P954043	0.008	CORE

From	To	Litho
69.70	110.30	9

Diabase: moderately to strongly magnetic: medium grained, medium grey with a greenish tinge due to 30-40% light greenish, irregular 2-4 mm plagioclase 'clusters'. From 1-5% pale green roundish plagioclase blobs scattered throughout. Both contacts are sharp and fine grained. A few 1/2 to 1 cm chlorite/calcite fractures after 82m; very rare pyrite

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
69.70	110.30													VW

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Mn	Mn%	Mn2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
69.70	71.00	P954044	<0.001	CORE
71.00	72.00	P954045	<0.001	CORE
72.00	73.00	P954046	<0.001	CORE

From	To	Litho
69.70	110.30	9

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					73.00	74.00	P954047	0.005	CORE
																																					74.00	75.00	P954048	<0.001	CORE
																																					75.00	76.00	P954049	<0.001	CORE
																																					76.00	76.00	P954050	<0.001	BLK
																																					76.00	77.00	P954051	0.003	CORE
																																					77.00	78.00	P954052	<0.001	CORE
																																					78.00	79.00	P954053	<0.001	CORE
																																					79.00	80.00	P954054	<0.001	CORE
																																					80.00	81.00	P954055	<0.001	CORE
																																					81.00	82.00	P954056	<0.001	CORE
																																					82.00	83.00	P954057	0.005	CORE
																																					83.00	84.00	P954058	<0.001	CORE
																																					84.00	85.00	P954059	<0.001	CORE
																																					85.00	85.00	P954060	<0.001	DUP
																																					85.00	86.00	P954061	0.001	CORE
																																					86.00	87.00	P954062	<0.001	CORE
																																					87.00	88.00	P954063	<0.001	CORE
																																					88.00	89.00	P954064	<0.001	CORE
																																					89.00	90.00	P954065	<0.001	CORE
																																					90.00	91.00	P954066	<0.001	CORE
																																					91.00	92.00	P954067	<0.001	CORE
																																					92.00	93.00	P954068	<0.001	CORE
																																					93.00	94.00	P954069	<0.001	CORE
																																					94.00	94.00	P954070	1.510	15D
																																					94.00	95.00	P954071	<0.001	CORE
																																					95.00	96.00	P954072	<0.001	CORE
																																					96.00	97.00	P954073	0.001	CORE
																																					97.00	98.00	P954074	<0.001	CORE
																																					98.00	99.00	P954075	<0.001	CORE
																																					99.00	100.00	P954076	<0.001	CORE
																																					100.00	101.00	P954077	<0.001	CORE
																																					101.00	102.00	P954078	<0.001	CORE
																																					102.00	103.00	P954079	<0.001	CORE
																																					103.00	103.00	P954080	<0.001	BLK
																																					103.00	104.00	P954081	<0.001	CORE
																																					104.00	105.00	P954082	<0.001	CORE
105.00	105.30	FRC	25	VW																																						
weakly fractured core with thin parallel quartz-calcite veins																																											
																																					105.00	106.00	P954083	<0.001	CORE
																																					106.00	107.00	P954084	<0.001	CORE
																																					107.00	108.00	P954085	<0.001	CORE
																																					108.00	109.00	P954086	<0.001	CORE

From	To	Litho
69.70	110.30	9

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
110.29	110.30	CNT	15	VW

sharp, fine grained contact but with some 'leakage' of diabase for 5-25 cm past contact into rock below

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
110.30	113.90	VW			VW									

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
113.90	114.50	5						70

thin quartz calcite veinlets related to minor shear

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
109.00	110.30	P954087	<0.001	CORE
110.30	111.70	P954088	0.014	CORE
111.70	113.00	P954089	0.004	CORE
113.00	113.00	P954090	0.024	DUP
113.00	113.90	P954091	<0.001	CORE
113.90	115.00	P954092	0.004	CORE

From	To	Litho
110.30	113.90	9c

Fine to Medium grained Diabase: Initially called a gabbro in the quick log. Light green, homogenous, slightly magnetic; slight poikilictic texture. Slightly pink altered granodiorite for 1st 40 cm containing 2% chalcopyrite over a one cm.

STRUCTURES

From	To	Struct	CA	Strain
113.89	113.90	CNT	30	

contact is semi- sharp- yet somewhat arbitrary

From	To	Litho
113.90	115.80	5a

Gabbro with some patches of quartz gabbro +/- blue quartz forming a few poor daisy textures; generally medium grained and medium to dark green. Moderate amount of quartz-calcite and 1-2 cm irregular grey quartz zones at 30 degrees to CA; 5-7% pyrite in last 15 cm.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
113.90	115.80													

some hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
113.90	115.80	5a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
114.00	114.40	FOL	70	W
		weakly to moderately strained with moderate amount of quartz-calcite veinlets		
115.79	115.80	CNT	25	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
115.00	115.80	2						
		thin quartz calcite veins						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
115.65	115.80	7	DISS	-				
		sulphides associated with contact						

SAMPLES

From	To	Sample	Au g/t	Type
115.00	115.80	P954093	0.023	CORE

From	To	Litho
115.80	126.20	9d

Medium Grained Diabase: Sharp, fine grained contacts- especially at lower contact. Generally medium grained, medium green grey with blotchy/mottled texture. Weakly magnetic; a few small (< 1/2 cm) light pink or light green plagioclase blebs. Overall very rare pyrite except for 7 cm quartz-calcite vein at 116.3m with 2-3% pyrite and minor cp. At 120.3m there is a very magnetic, fine grained diabase dike with 1-2 cm pale green plagioclase blobs. 1 large 4 cm blob at 123.3m.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
115.80	126.19	VW												VW
		very weak epidote alteration												
124.90	125.20	S												S

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
115.80	126.20	0.5						
		<1% fine, quartz.calcite +/- epidote veinlets throughout- along with a few 1 cm veinlets						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
115.80	117.00	P954094	0.002	CORE
117.00	118.00	P954095	0.003	CORE
118.00	119.00	P954096	0.003	CORE
119.00	120.00	P954097	<0.001	CORE
120.00	121.00	P954098	<0.001	CORE
121.00	122.00	P954099	<0.001	CORE
122.00	122.00	P954100	0.360	52C
122.00	123.00	P954101	0.003	CORE
123.00	124.00	P954102	0.003	CORE
124.00	125.00	P954103	<0.001	CORE
125.00	126.20	P954104	0.010	CORE

From	To	Litho
115.80	126.20	9d

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS									MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
126.19	126.20	CNT	30																																					

sharp contact with 1 cm calcite vein

From	To	Litho
126.20	162.20	5a

Medium Grained Gabbro Initially almost resembles a diabase. Initially medium grained and dark green with some lighter green sections. Network of 40-60% light green plagioclase crystals (sometimes sub-hedral) and 40-50% pyroxene and amphiboles throughout most of unit. Rare pyrite in places along with 1 cm pink granodiorite veins. Some leucoxene in places- especially after 153m; very dark green and much less plagioclase minerals after 153.7m (20-40% feldspars); very rare pyrite.

STRUCTURES					ALTERATION													VEINS									MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					126.20	127.70	P954105	0.002	CORE
					126.20	145.00	VW											VW																							

darker green up to 145 meters- due to epidote alteration

																				127.70	129.00	P954106	0.010	CORE
																				129.00	130.50	P954107	0.007	CORE
																				129.70	131.70	2																				

3-4 < 1 cm calcite veins at variable degrees to CA that cut earlier pink 'grdr' veining; plus 3 sections of micro calcite veining between between 130.5m-131.2m:

																																				130.50	132.00	P954108	0.006	CORE
130.60	131.10	FRC	30	M																																						

moderate amount of veining related to fracturing. Many micro calcite veinlets in two fine grained, light green xenoliths

																																			132.00	133.00	P954109	0.042	CORE
																																			133.00	133.00	P954110	<0.001	BLK
																																			133.00	134.00	P954111	0.077	CORE
																																			134.00	135.00	P954112	0.009	CORE
																																			135.00	136.00	P954113	0.034	CORE
																																			136.00	137.00	P954114	0.036	CORE
																																			137.00	138.00	P954115	0.003	CORE
																																			138.00	139.00	P954116	0.002	CORE

From	To	Litho
126.20	162.20	5a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
146.20	146.30	SH	40	VW
		narrow 1-2 cm shear at end of pink, discoloured zone; minor pyrite in shear		
158.00	159.00	BKY	20	M
		Blocky core with some mylonite at 20 degrees to CA; probable fault		
162.19	162.20	CNT	60	M
		upper contact not as sharp as lower contact		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
146.00	147.10	VW												
		several 4-5 cm pink veins												

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
149.05	149.10	100	LWV					40
		minor hematite fractures on side.						
156.00	157.00	2						
		thin (<1 cms) quartz calcite veinlet						
160.00	162.20	1						
		thin random qtz calcite veinlets- probably related to nearby faults.						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
139.00	140.00	P954117	<0.001	CORE
140.00	141.50	P954118	<0.001	CORE
141.50	143.00	P954119	0.009	CORE
143.00	143.00	P954120	0.013	DUP
143.00	144.50	P954121	<0.001	CORE
144.50	146.00	P954122	0.003	CORE
146.00	147.00	P954123	0.044	CORE
147.00	148.00	P954124	0.011	CORE
148.00	149.50	P954125	0.003	CORE
149.50	151.00	P954126	0.007	CORE
151.00	152.00	P954127	<0.001	CORE
152.00	153.00	P954128	0.024	CORE
153.00	154.00	P954129	0.003	CORE
154.00	154.00	P954130	1.510	15D
154.00	155.00	P954131	0.016	CORE
155.00	156.00	P954132	0.004	CORE
156.00	157.00	P954133	<0.001	CORE
157.00	158.00	P954134	0.002	CORE
158.00	159.50	P954135	0.001	CORE
159.50	161.00	P954136	0.007	CORE
161.00	162.20	P954137	<0.001	CORE

From	To	Litho
126.20	162.20	5a

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type

From	To	Litho
162.20	162.80	2g

Intermediate Schist: Fine grained, moderately hard, dirty beige grey with fine laminations at 60 degrees to CA: a few pyrite grains

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
162.20	162.79	FOL	60	VS																																				
					162.20	162.80	M				M			M																								162.20	162.80	P954138	<0.001	CORE
					assumed brownish color d?ue to serecite																																				
162.79	162.80	CNT	80	VS																																				

From	To	Litho
162.80	169.00	5

Mafic Intrusive (Unsubdivided); Mainly fine to medium grained, medium green gabbro but initially contains sections of crackle fracture veining with randomly orientated thin, quartz-calcite veinlets up to 165.3m. Contains mafic schist from 165.8m to 168m with many sub parallel 1-10 mm quartz-calcite veins; also contains three 10-40 cm sections of light pink/dirty pink, hard quartz diorite and some quartz diorite within the crackle fracture zone- both of which are moderately to very hard (silicified). Fine grained, sharp lower contact.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					162.80	164.00	P954139	0.001	CORE
162.80	165.30	BXB		M	162.80	165.30	M							M						162.80	165.30	2																	
contains crackle fracture zone described above					*variably silicified*															*mainly thin, quartz-calcite crackle-fracture filled quartz calcite veinlets and some regular quartz calcite veinlets as well*																				
																																					164.00	164.00	P954140	<0.001	BLK
																																					164.00	165.30	P954141	0.012	CORE
																																					165.30	166.00	P954142	0.010	CORE
165.30	168.00	FOL	65	W																165.30	168.00	4																	
many sub parallel thin calcite veinlets- usually @ 60-70 degrees to CA																				*many sub- parallel quartz calcite veins*																				
																																					166.00	167.00	P954143	0.003	CORE
																																					167.00	168.00	P954144	0.003	CORE
																																					168.00	169.00	P954145	0.002	CORE

From	To	Litho
162.80	169.00	5

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
168.99	169.00	CNT	40	M

fine grained, sharp contact with moderate strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
169.00	182.80	5a

Variably altered gabbro: mainly medium grained and light or medium pink with small patches of daisy stone-type alteration with blue quartz centers and pink rims- especially after 180m. Also some short sections of fine or medium grained, green altered gabbro or unaltered gabbro. A few short quartz diorite or granodiorite sections between 185m-192m. Well preserved inter-locking texture throughout. A few epidote veins. Many hematite stained fractures. Notable increase in chlorite and/or quartz-calcite veining in short quartz diorite or granodiorite sections.

STRUCTURES

From	To	Struct	CA	Strain
182.79	182.80	CNT	40	

Variable contact as part of contact is at 90 degrees to CA

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
171.60	182.80	M												W

weak and variable epidote alteration as veining or within unit. Moderate hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
182.20	182.80		1					30

discontinuous, irregular chlorite veins

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
169.00	170.00	P954146	<0.001	CORE
170.00	171.00	P954147	<0.001	CORE
171.00	172.00	P954148	0.001	CORE
172.00	173.00	P954149	0.018	CORE
173.00	173.00	P954150	0.003	DUP
173.00	174.00	P954151	0.005	CORE
174.00	175.00	P954152	0.013	CORE
175.00	176.00	P954153	0.005	CORE
176.00	177.00	P954154	0.029	CORE
177.00	178.50	P954155	0.010	CORE
178.50	180.00	P954156	0.024	CORE
180.00	181.00	P954157	0.004	CORE
181.00	182.00	P954158	0.014	CORE
182.00	182.80	P954159	0.008	CORE

From	To	Litho
182.80	184.20	5h

Mafic Dike: Fine grained, medium greenish grey with 5-10% very small feldspar phenocrysts; rare disseminated sulphides.

STRUCTURES

From	To	Struct	CA	Strain
184.19	184.20	CNT	50	M

2 cm of shearing with a 1/2 cm quartz calcite vein at contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
182.80	182.80	P954160	0.335	52C
182.80	184.30	P954161	0.076	CORE

From	To	Litho
184.20	189.60	5a

Similar to previous gabbro section. 30 cm medium grained, medium green gabbro at 189.27m; a few small (< 40 cm) quartz diorite or granodiorite sections with thin chlorite factures- i.e. 185.3m and at approx. 188.4 m with chlorite vein up to 3-4 cm wide.

STRUCTURES

From	To	Struct	CA	Strain
189.59	189.60	CNT	70	

contact at end of 30 cm gabbro section

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
184.20	189.60	W												

weak hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
185.20	185.60	3						

approx 2-3% random chlorite veinlets in short quartz diorite section

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
184.30	185.60	P954162	0.024	CORE
185.60	187.00	P954163	0.014	CORE
187.00	188.00	P954164	0.051	CORE
188.00	189.20	P954165	0.008	CORE
189.20	190.50	P954166	0.355	CORE

From	To	Litho
189.60	191.70	7c

Granodiorite with 2 meters of 5% irregular quartz/calcite-hematite veining in granodiorite at 189.5m. Veining in two different ages. No sulphides.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
189.60	191.70	7c

Granodiorite with 2 meters of 5% irregular quartz/calcite-hematite veining in granodiorite at 189.5m. Veining in two different ages. No sulphides.

STRUCTURES

From	To	Struct	CA	Strain
189.60	191.65	BXB		
Crackle breccia with thin 1 mm and 1-3 cm quartz-calcite veins				
191.69	191.70	CNT	90	
somewhat sudden contact caused by abrupt change in colour and texture.				

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
190.50	191.70	P954167	0.008	CORE

From	To	Litho
191.70	205.12	9b

Gabbro to Quartz Gabbro: Medium grained and light pink; similar to previous section but with more blue quartz gabbro and some minor daisy texture.

STRUCTURES

From	To	Struct	CA	Strain
205.11	205.12	CNT	75	
Lower contact marked by 26 cm dirty white and grey quartz vein				

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
198.70	199.70	0.1	-	-				
minor pyrite in 1 cm chlorite vein at 198.7 and 1 3-10mm chalcopyrite 'bleb' at 199.7m in a quartz-calcite vein.								

SAMPLES

From	To	Sample	Au g/t	Type
191.70	193.00	P954168	0.008	CORE
193.00	194.00	P954169	0.005	CORE
194.00	194.00	P954170	<0.001	BLK
194.00	195.00	P954171	0.013	CORE
195.00	196.00	P954172	0.001	CORE
196.00	197.00	P954173	0.012	CORE
197.00	198.00	P954174	0.088	CORE
198.00	199.00	P954175	0.016	CORE
199.00	200.00	P954176	0.009	CORE
200.00	201.00	P954177	0.009	CORE
201.00	202.00	P954178	0.004	CORE
202.00	203.00	P954179	0.032	CORE
203.00	203.00	P954180	0.027	DUP
203.00	204.00	P954181	0.004	CORE
204.00	205.11	P954182	0.075	CORE

From	To	Litho
191.70	205.12	9b

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					205.11	205.61	P954183	0.005	CORE

From	To	Litho
205.12	206.12	1f

Mafic Schist: Dark green mafic schist with dark fine grained upper and lower contacts; moderate amount of sub parallel, thin calcite veinlets- generally at 70 degrees to CA. A 26 cm dirty white and grey quartz vein with thin, discontinuous chlorite and calcite veinlets at the upper and lower contacts. This is UK's "E" unit.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																				205.12	205.38	100																		
																				appears as an early grey quartz vein was cut by a late white quartz vein'																					
																																				205.61	206.12	P954184	0.012	CORE
206.11	206.12	CNT	80																																					

From	To	Litho
206.12	213.70	7c

Granodiorite: medium grained, medium pink granodiorite with some medium grey or pink gabbro sections (< 20% remnant gabbro texture). No sulphides

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																				206.12	207.00	P954185	0.009	CORE
																																			207.00	208.00	P954186	0.012	CORE
																				207.00	213.50	0.5																		
																				1/2% thin chlorite veinlets at variable angles																					
																																			208.00	209.00	P954187	0.033	CORE
																				209.00	210.00	2																		
																				crackle breccia filled with thin chlorite veinlets																					
																																			209.00	210.00	P954188	0.010	CORE
																																			210.00	211.00	P954189	0.003	CORE
																																			211.00	211.00	P954190	8.320	15D
																																			211.00	212.50	P954191	0.015	CORE
																																			212.50	213.70	P954192	0.006	CORE

From	To	Litho
206.12	213.70	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
213.69	213.70	CNT	30	W																																			

lower contact marked by 1 cm of grey quartz and parallel calcite veinlets.

From	To	Litho
213.70	224.60	5h

Mafic Dike: Fine grained, chilled upper and lower contacts and medium grained in center. Light to medium grey in colour with a 'mottled' texture due to 50-70% small, light green, feldspars. 20-40% mafic minerals. No sulphides. 28 cm medium gabbro at 212.65m

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					213.70	215.00	P954193	0.013	CORE
																																				215.00	216.00	P954194	0.005	CORE
																																				216.00	217.00	P954195	0.003	CORE
																																				217.00	218.00	P954196	0.003	CORE
																																				218.00	219.00	P954197	0.003	CORE
																																				219.00	220.00	P954198	0.003	CORE
																																				220.00	221.00	P954199	0.003	CORE
																																				221.00	221.00	P954200	0.001	BLK
																																				221.00	222.00	P954201	0.003	CORE
																																				222.00	223.10	P954202	0.003	CORE
																				222.90	223.70	4																		
																				Three quartz-calcite-hematite veins at 20 to 50 degrees to CA																						
																																				223.10	224.60	P954203	0.007	CORE
224.59	224.60	CNT	30	M																																			

lower contact marked by 1 cm quartz-calcite-hematite vein

From	To	Litho
224.60	227.05	5a

Gabbro: Medium grained, dirty pinkish grey: 40-60% mafic minerals, 30-50% subhedral to anhedral feldspars- about half of which are hematite stained. 5% quartz (minor blue quartz). A few minor (<1 cm) quartz and/or calcite veins. Small 2-34cm calcite/hematite breccia at 226.3m

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type

From	To	Litho
224.60	227.05	5a

Gabbro: Medium grained, dirty pinkish grey: 40-60% mafic minerals, 30-50% subhedral to anhedral feldspars- about half of which are hematite stained. 5% quartz (minor blue quartz). A few minor (<1 cm) quartz and/or calcite veins. Small 2-34cm calcite/hematite breccia at 226.3m

STRUCTURES

From	To	Struct	CA	Strain
226.30	226.33	BXB		
227.05	227.05	CNT	45	

small quartz-hematite breccia

sharp contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
224.60	227.05	VW								VW				

weak hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
224.60	227.05	0.5						

several narrow quartz/calcite or chlorite veins

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
224.60	226.00	P954204	0.007	CORE
226.00	227.05	P954205	0.002	CORE

From	To	Litho
227.05	229.25	10

Lamprophyre: Fine grained and medium green-grey for 1st 60 cm then progressively becomes medium grained and dark greenish black for rest of unit. Fine grained, black chill margin with 7 cm of calcite veining near lower contact

STRUCTURES

From	To	Struct	CA	Strain
229.24	229.25	CNT	60	VS

Contact is very disrupted and irregular with part of chilled margin injected into unit below

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
227.12	227.19	100						65

strained calcite vein

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
227.05	228.00	P954206	0.023	CORE
228.00	229.25	P954207	0.009	CORE

From	To	Litho
229.25	235.20	5h

Mafic Dike: Fine grained contact and slightly coarser down hole; dark green; Upper contact is marked by a 20 cm granodiorite xenolith; xenolith is fractured and internally off-set by calcite and chlorite veins; xenolith also contains small 2x10 mm chalcopyrite gash. Rare pyrite specks

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
229.25	235.20	5h

Mafic Dike: Fine grained contact and slightly coarser down hole; dark green; Upper contact is marked by a 20 cm granodiorite xenolith; xenolith is fractured and internally off-set by calcite and chlorite veins; xenolith also contains small 2x10 mm chalcopyrite gash. Rare pyrite specks

STRUCTURES

From	To	Struct	CA	Strain
235.19	235.20	CNT	50	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
229.25	235.20	VW												

sporadic epidote alteration

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
VW 229.25	235.20	0.5						

minor calcite veinlets

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
229.25	230.00	P954208	0.004	CORE
230.00	231.00	P954209	0.004	CORE
231.00	231.00	P954210	0.004	DUP
231.00	232.00	P954211	0.004	CORE
232.00	233.00	P954212	0.004	CORE
233.00	234.00	P954213	0.003	CORE
234.00	235.20	P954214	0.003	CORE

From	To	Litho
235.20	236.20	6g

Intermediate dike: Fine grained, light brown and dirty brown. Very weekly foliated. A few small pyroxene crystals parallel to foliation

STRUCTURES

From	To	Struct	CA	Strain
235.50	236.00	FOL	50	VW
236.19	236.20	CNT	60	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
235.20	236.20	1						

random calcite veins

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
235.20	236.20	P954215	<0.001	CORE

From	To	Litho
236.20	238.30	5h

Mafic Dike: continuation of mafic dike from 229.25; Fine to medium grained, dark green. Rare specks of pyrite

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
236.20	237.00	5						

variety of calcite/hematite veining

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
236.20	237.00	P954216	0.002	CORE
237.00	238.30	P954217	0.005	CORE

From	To	Litho
236.20	238.30	5h

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
238.29	238.30	CNT	30	VW

some calcite and hematite and hematite veinlets at contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
238.30	243.00	5a

Gabbro: medium grained, greenish pink and grey; similar to above gabbro unit but slightly more blue quartz and slightly more epidote alteration.

STRUCTURES

From	To	Struct	CA	Strain
242.99	243.00	CNT	25	S

sheared lower contact with broken core

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
238.30	243.00	M											M	

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
238.30	243.00	0.5						

scattered minor calcite/epidote and chlorite veinlets at various angles

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
238.30	239.80	P954218	<0.001	CORE
239.80	241.00	P954219	<0.001	CORE
241.00	241.00	P954220	8.640	62C
241.00	242.00	P954221	0.008	CORE
242.00	243.00	P954222	0.007	CORE

From	To	Litho
243.00	251.40	6em

Small Feldspar Mafic Porphyry: Fine to medium grained with fine grained contacts. Generally light grey or dirty pink matrix with 30-50% small, subhedral feldspars-usually 1-2 mm long. Dark grey and reddish and harder from 243.6m- 244.35m (hematized and silicified). Minor pyrite grains in the lower shear

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
243.60	244.35	M							M					

also weak to moderate hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
243.00	244.50	P954223	0.006	CORE
244.50	246.00	P954224	0.014	CORE
246.00	247.00	P954225	0.004	CORE
247.00	248.00	P954226	0.003	CORE
248.00	249.00	P954227	0.003	CORE

From	To	Litho
243.00	251.40	6em

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
250.96	251.39	SH	30	M
251.39	251.40	CNT	30	M

weakly sheared and broken core

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
248.00	251.40	0.5						

thin to hairline veinlets of calcite and/or hematite

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
249.00	250.00	P954228	0.054	CORE
250.00	251.40	P954229	0.026	CORE

From	To	Litho
251.40	256.40	7c

Granodiorite- with some remnant sections of gabbro; generally medium to fine grained, and pinkish or grey in colour. Some pseudo-breccia in places due to discoloration and off-set along fracture planes: rare pyrite in fractures

STRUCTURES

From	To	Struct	CA	Strain
256.39	256.40	CNT	60	

contact arbitray and coincidental where core broke

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
251.40	256.40	W								VW				

moderate hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
251.40	251.40	P954230	<0.001	BLK
251.40	252.40	P954231	0.005	CORE
252.40	253.40	P954232	0.005	CORE
253.40	254.40	P954233	0.052	CORE
254.40	255.40	P954234	0.103	CORE
255.40	256.40	P954235	0.022	CORE

From	To	Litho
256.40	261.60	5

Mafic Intrusive (Unsubdivided): Melange of quartz gabbro, quartz diorite, sheared, fine grained, mafic unit, mafic schist and medium grained gabbro. Probably due to shearing and faulting. Generally rare scattered pyrite grains- in sheared areas.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
256.40	261.60	5

Mafic Intrusive (Unsubdivided): Melange of quartz gabbro, quartz diorite, sheared, fine grained, mafic unit, mafic schist and medium grained gabbro. Probably due to shearing and faulting. Generally rare scattered pyrite grains- in sheared areas.

STRUCTURES

From	To	Struct	CA	Strain
256.40	256.80	BXB		W
		crackle breccia with thin calcite veins		
257.50	257.80	FLT	50	S
		fine grained and moderately foliated		
261.00	261.59	FLT	40	
		Fault as indicated by broken core and fine grained, foliated core		
261.59	261.60	CNT	60	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
256.40	261.60	M							M	M				
		patchy and moderately silicified;												

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
256.40	257.10	4						
		many calcite veins and veinlets at variable angles						
258.45	258.55	80						
		mainly quartz with much chlorite						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
257.50	258.15	0.1	DISS	-		1	CP	

SAMPLES

From	To	Sample	Au g/t	Type
256.40	257.50	P954236	0.025	CORE
257.50	258.15	P954237	0.036	CORE
258.15	259.30	P954238	0.007	CORE
259.30	260.30	P954239	0.022	CORE
260.30	260.30	P954240	0.024	DUP
260.30	261.60	P954241	0.048	CORE

From	To	Litho
261.60	266.30	8k

Granite: medium grained, medium pink to light pink- slightly pitted in places. Has a 'gritty texture'; Non magnetic. 30-50% quartz, 40-60% hematite stained feldspars, up to 5% mafic minerals.; minor chlorite fracture. No sulphides. 262.9 m- a 50 cm light brown intermediate dike/xenolith with 1/2% pyrite; this unit is fine grained, slightly foliated and sheared. 265 m - a 10 cm quartz/chlorite vein with 4% pyrite: Last 20-30 cm is silicified and resembles quartz diorite below

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
261.60	262.90	P954242	0.010	CORE

From	To	Litho
261.60	266.30	8k

Granite: medium grained, medium pink to light pink- slightly pitted in places. Has a 'gritty texture'; Non magnetic. 30-50% quartz, 40-60% hematite stained feldspars, up to 5% mafic minerals.; minor chlorite fracture. No sulphides. 262.9 m- a 50 cm light brown intermediate dike/xenolith with 1/2% pyrite; this unit is fine grained, slightly foliated and sheared. 265 m - a 10 cm quartz/chlorite vein with 4% pyrite: Last 20-30 cm is silicified and resembles quartz diorite below

STRUCTURES

From	To	Struct	CA	Strain
262.90	263.40	SH	70	M

foliation from 60-70 degrees; core is slightly foliated and mylonitic and broken. 1/2% pyrite overall

From	To	Struct	CA	Strain
264.80	265.10	BKY		

possible fault

From	To	Struct	CA	Strain
266.00	266.29	BKY		
266.29	266.30	CNT	30	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
261.60	266.30	W												

weak to moderate hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
264.95	265.05	100						

50% quartz-calcite, 50% chlorite; 2% py

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
262.90	264.00	P954243	0.690	CORE
264.00	265.10	P954244	0.202	CORE
265.10	266.30	P954245	0.160	CORE

From	To	Litho
266.30	266.90	5h

Mafic Dike; Fine grained, drab greenish grey;

STRUCTURES

From	To	Struct	CA	Strain
266.89	266.90	CNT	30	

core is also slightly blocky

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
266.30	266.90	P954246	0.016	CORE

From	To	Litho
266.90	271.40	6a

Quartz Diorite: Mainly pale washed out pink and dirty pink; medium to fine grained, hard- with glassy look; 40-60% quartz, 20-40% hematite stained feldspars; 5-20% mafic minerals; very fractured crackle zone with a high density of thin hairline crack size chlorite veinlets filling in the fractures-- along with some hematite fractures; some leucoxene; extremely rare pyrite.

STRUCTURES

From	To	Struct	CA	Strain
271.39	271.40	CNT	30	

texture and colour abruptly change

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
266.90	271.40	M			M				S					

unit is very altered compared to above and below units

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
266.90	271.40	1						

1% total veins- mainly chlorite but including some thin calcite and epidote veins

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
266.90	268.00	P954247	0.111	CORE
268.00	269.00	P954248	0.046	CORE
269.00	270.00	P954249	0.028	CORE
270.00	270.00	P954250	0.322	52C
270.00	271.40	P954251	0.015	CORE

From	To	Litho
271.40	274.00	8k

Granite: Medium grained, light pink or greenish pink in places; 'gritty texture'; similar to above but less mafic minerals; 35-40 cm of siliceous quartz diorite at 272.05m

STRUCTURES

From	To	Struct	CA	Strain
273.99	274.00	CNT	40	

sharp contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
271.40	274.00	VW								VW			VW	

very weak hematite and epidote alteration

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
271.40	271.50	1						

narrow, irregular tectonic breccia

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
271.40	272.80	P954252	0.876	CORE
272.80	274.00	P954253	0.003	CORE

From	To	Litho
274.00	275.10	5

Mafic Intrusive (Undifferentiated)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
274.00	275.00	P954254	4.230	CORE
275.00	276.00	P954255	0.480	CORE

From	To	Litho
275.10	280.35	7c

Granodiorite; initially 'granitic' for 1st 30 cm. Mainly medium grained, light pink up to 279.2m and then very pink/red for 1 meter with a dirty pink transition section for the last 30 cm; contains a moderate amount of hair line crackle breccia fractures filled with dark chlorite or chlorite/calcite/quartz. Small, irregular, whitish-grey clots scattered throughout (leucoxene?). 277.3m 4% chalcopyrite/pyrite in fractures

STRUCTURES

From	To	Struct	CA	Strain
275.10	280.30	BXB		

crackle breccia

From	To	Struct	CA	Strain
280.34	280.35	CNT	90	

vague and somewhat arbitrary contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
275.10	280.34	S							S					
279.20	280.25	VS												

verong hematite alteration

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
275.70	279.20	2						

moderate amount of crackle breccia veinlets

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
277.30	277.50	2	VLT	-			CP	2

with the pyrite

SAMPLES

From	To	Sample	Au g/t	Type
276.00	277.00	P954256	0.193	CORE
277.00	278.00	P954257	0.591	CORE
278.00	279.00	P954258	0.033	CORE
279.00	280.35	P954259	0.833	CORE

From	To	Litho
280.35	282.60	5

Gabbro: medium grained, medium green with some pinkish sections with pink feldspars. 281.85m small, 15 cm light green dike. First 15 cm core is silicified, fine grained and porphyritic.

STRUCTURES

From	To	Struct	CA	Strain
282.59	282.60	CNT	30	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
282.60	293.30	M												

moderate to strong hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
280.35	280.50	1						

crackle breccia thin calcite veinlets

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
282.60	291.00	0.5						

variety of hematite veining

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
282.60	291.30	0.1	DISS	-				

minor pyrite

From	To	
290.95	291.00	BXB

breccia filled in with hematite veining

SAMPLES

From	To	Sample	Au g/t	Type
280.35	280.35	P954260	0.002	BLK
280.35	281.00	P954261	0.342	CORE
281.00	282.00	P954262	0.003	CORE
282.00	282.60	P954263	0.009	CORE
282.60	284.00	P954264	0.003	CORE
284.00	285.00	P954265	0.004	CORE
285.00	286.00	P954266	0.004	CORE
286.00	287.00	P954267	0.007	CORE
287.00	288.00	P954268	0.005	CORE
288.00	289.00	P954269	0.007	CORE
289.00	289.00	P954270	0.012	DUP
289.00	290.00	P954271	0.004	CORE
290.00	291.30	P954272	0.004	CORE
291.30	292.30	P954273	0.177	CORE

From	To	Litho
282.60	293.30	6em

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STRUCTURES

From	To	Struct	CA	Strain
293.29	293.30	CNT	45	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
291.30	293.30	1	DISS	-				

minor cp;

SAMPLES

From	To	Sample	Au g/t	Type
292.30	293.30	P954274	0.024	CORE

From	To	Litho
293.30	301.07	7c

Granodiorite: Hematized and partially brecciated. Medium to fine grained, dirty pink or greyish or greenish pink; highly fractured or with crackle breccia filled in with hematite and/or calcite veins. 50 cm breccia zone at 296.7m and 40 cm breccia zone at 299m- both of which are filled in with hematite veining. Moderate amount of broken core.

STRUCTURES

From	To	Struct	CA	Strain
296.70	297.20	BXB		

breccia zone with hematite veining

From	To	Struct	CA	Strain
299.00	299.40	BXB		

breccia zone with hematite veining

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
293.30	301.07	VS												

strong hemate staining and veining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
296.80	297.30	15						

15% hematite veining; 2% calcite veins

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
298.00	301.00	4						

4% hematite veining; 1/2% calcite veins

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
293.30	301.00	0.1	DISS	-				

rare pyrite

SAMPLES

From	To	Sample	Au g/t	Type
293.30	294.00	P954275	0.030	CORE
294.00	295.00	P954276	0.013	CORE
295.00	296.00	P954277	0.007	CORE
296.00	297.00	P954278	0.087	CORE
297.00	298.00	P954279	0.702	CORE
298.00	298.00	P954280	1.380	15D
298.00	299.00	P954281	0.009	CORE
299.00	300.00	P954282	0.033	CORE

From	To	Litho
293.30	301.07	7c

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
299.40	301.00	BXB		
		many crackle breccia sections		
301.06	301.07	CNT	85	
		abrupt and sharp contact		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
301.07	301.25	VS							VS					
		silicified core												
301.07	301.87	FLT	80	VS										
		Main mylonite at 80 degrees												
301.25	305.30	M							M					
		moderate chlorite alteration												
302.00	302.80	BKY												
		Moderate broken core=												

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
300.50	300.70	80						
		80 % calcite veining						
301.07	304.00	1						
		moderate amount of crackle breccia calcite						
304.00	305.30	2						
		2% calcite veining in crackle breccia; 2-4 cm qtz vein at 304.28m						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
300.00	301.07	P954283	0.044	CORE
301.07	302.00	P954284	2.460	CORE
302.00	303.00	P954285	0.061	CORE
303.00	304.00	P954286	0.043	CORE
304.00	305.30	P954287	0.616	CORE

From	To	Litho
301.07	305.30	5a

Gabbro: Sheared and fractured gabbro; light grey and silicified for 1st 20 cm then mainly medium to fine grained, dark grey with a dirty pink hue in many places. Many thin hairline calcite veinlets in crackle breccia; Moderately soft and mylonitic in 1st meter and in last meter. Some mylonite zones up to 7 cm wide; smaller mylonitic zones elsewhere. Rare pyrite

From	To	Litho
301.07	305.30	5a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
304.04	304.30	BKY	70	M
		blocky core and thin mylonite= fault		
304.30	305.30	FOL	70	M
		some thin mylonites= a fault zone		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
305.30	312.30	7c

Granodiorite: Medium grained, light pink granodiorite: > 50 % quartz- often blueish, 20-40% feldspars, 5-20% mafic minerals scattered calcite, hematite, epidote or chlorite veinlets. Small 30 cm lamprophyre dike at 311.8m

STRUCTURES

From	To	Struct	CA	Strain
312.29	312.30	CNT	70	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
305.30	312.30	VW												
		weak hematite alteration and veining												

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
305.30	312.30	0.2						
		variety of veins						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
305.30	312.30	0.1	-	-				
		minor cp near 310.8						

SAMPLES

From	To	Sample	Au g/t	Type
305.30	306.00	P954288	0.026	CORE
306.00	307.00	P954289	0.294	CORE
307.00	307.00	P954290	<0.001	BLK
307.00	308.00	P954291	0.141	CORE
308.00	309.00	P954292	0.073	CORE
309.00	310.00	P954293	0.136	CORE
310.00	311.00	P954294	0.049	CORE
311.00	312.30	P954295	0.043	CORE

From	To	Litho
312.30	313.18	5h

Mafic Dike: Fine to medium grained, light to medium grey; moderate amount of calcite veinlets and minor pyrite.

STRUCTURES

From	To	Struct	CA	Strain
313.17	313.18	CNT	60	W
		weak strain at contact		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
312.30	313.18	VW								VW				

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
312.30	313.18	0.5						
		scattered calcite veinlets						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
312.30	313.18	0.1	-	-				

SAMPLES

From	To	Sample	Au g/t	Type
312.30	313.20	P954296	0.003	CORE

From	To	Litho
312.30	313.18	5h

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type

From	To	Litho
313.18	339.75	7c

Granodiorite: medium grained, light to medium pink with a blue tinge; 40-50% pink and light green feldspars, 40-50% blue quartz, 5-20% mafic minerals; moderate chlorite veining from 323m-326m. Twelve areas with pyrite or chalcopyrite grains- usually associated with chlorite and/or quartz fractures. Slightly foliated, 40 cm intermediate dike at 329.05m; dike has 1-2% pyrite- usually as aligned disseminated grains along foliation plane or fracture (80 degrees)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
					313.18	339.75	VW																																		

weak hematite staining

313.20	314.00	P954297	0.016	CORE
314.00	315.00	P954298	0.046	CORE
315.00	316.00	P954299	0.279	CORE
316.00	316.00	P954300	0.193	DUP
316.00	317.00	P954301	0.721	CORE
317.00	318.00	P954302	0.209	CORE

317.50 317.90 30

17 cm dirty white quartz vein followed by 20 cm of 50% qtz rubble and 50% chlorite rubble

318.00	319.00	P954303	0.175	CORE
319.00	320.00	P954304	0.016	CORE
320.00	321.00	P954305	0.144	CORE
321.00	322.00	P954306	0.059	CORE
322.00	323.00	P954307	0.145	CORE

322.80 323.00 0.1 DISS - CP 4

cp in a chlorite fracture

323.00	324.00	P954308	0.158	CORE

323.00 326.00 1

moderate amount of thin chlorite veinlets

324.00	325.00	P954309	0.351	CORE

324.20 324.40 0.5 DISS -

minor cp also

325.00	325.00	P954310	0.328	52C
325.00	326.00	P954311	0.117	CORE
326.00	327.00	P954312	0.037	CORE
327.00	328.00	P954313	0.063	CORE

From	To	Litho
313.18	339.75	7c

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
327.00	329.00	BKY		
		broken core		
339.74	339.75	CNT	40	
342.00	343.00	BKY		

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
329.00	336.00	0.1						
		minor but noticeable amount of thin, red, hematite veinlets						
334.00	335.50	1	EGQV					
		thin 2-4 mm dirty white/grey quartz veins						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
334.00	339.75	0.1	VLT	-				
		minor cp and/or py in chlorite and/or quartz fractures						

SAMPLES

From	To	Sample	Au g/t	Type
328.00	329.00	P954314	0.035	CORE
329.00	330.00	P954315	0.347	CORE
330.00	331.00	P954316	0.086	CORE
331.00	332.00	P954317	0.151	CORE
332.00	333.00	P954318	0.282	CORE
333.00	334.00	P954319	0.261	CORE
334.00	334.00	P954320	<0.001	BLK
334.00	335.00	P954321	0.263	CORE
335.00	336.00	P954322	0.145	CORE
336.00	337.00	P954323	0.063	CORE
337.00	338.00	P954324	0.332	CORE
338.00	339.00	P954325	0.178	CORE
339.00	339.75	P954326	0.162	CORE

From	To	Litho
339.75	340.80	6g

Intermediate dike: Fine grained, light greenish grey with minor pyrite grains. 5 cm quartz vein/zone with chlorite fractures at beginning of dike

STRUCTURES

From	To	Struct	CA	Strain
339.75	339.80	FLT	40	W
		quartz vein is broken and appears faulted		
340.79	340.80	CNT	55	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
339.75	340.80	0.1	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
339.75	340.80	P954327	0.018	CORE

From	To	Litho
339.75	340.80	6g

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					340.80	342.00	P954328	0.011	CORE
					340.80	361.55	M							M						340.80	361.55	1						340.80	361.55	0.1	DISS	-								
					hard, silicified core; weak hematite staining															*chaotic, scattered chlorite veinlets*								*scattered pyrite grains +/-*												
																																					342.00	343.00	P954329	0.029	CORE
																																				343.00	343.00	P954330	0.057	DUP
																																				343.00	344.00	P954331	0.026	CORE
																																				344.00	345.00	P954332	0.023	CORE
																																				345.00	346.00	P954333	0.058	CORE
																																				346.00	347.00	P954334	0.193	CORE
																																				347.00	348.00	P954335	0.242	CORE
																																				348.00	349.00	P954336	0.326	CORE
																																				349.00	350.00	P954337	0.196	CORE
																																				350.00	351.00	P954338	0.208	CORE
																																				351.00	352.00	P954339	0.080	CORE
																																				352.00	352.00	P954340	1.500	15D
																																				352.00	353.00	P954341	0.065	CORE
																																				353.00	354.00	P954342	0.089	CORE
																																				354.00	355.00	P954343	0.116	CORE
																																				355.00	356.00	P954344	0.064	CORE
																																				356.00	357.00	P954345	0.050	CORE
																																				357.00	358.00	P954346	0.163	CORE
																																				358.00	359.00	P954347	0.122	CORE
																																				359.00	360.00	P954348	0.154	CORE
																																				360.00	361.00	P954349	0.908	CORE
																													360.40	360.80	7	DISS	-								
																													pyrite is associated with mafic patches												
																																					361.00	361.00	P954350	0.001	BLK
																																				361.00	361.50	P954351	0.266	CORE
																																				361.50	362.50	P954352	0.484	CORE
361.54	361.55	CNT	80																																					

From	To	Litho
340.80	361.55	7c

Granodiorite: medium grained, light to medium pink with a blue tinge; 30-40% pink and light green feldspars, 40-60%+ blue quartz, 5-15% mafic minerals; moderate chlorite veining from 323m-326m. 15-20 areas with pyrite or rarely-chalcopyrite grains- usually associated with chlorite and/or quartz fractures. 5-7% pyrite in mafic patches between 360.4m-360.8m

From	To	Litho
361.55	362.45	6a

Quartz Diorite: Medium grained, medium grey with a blue tinge due to >50% blue quartz 'eyes'; 20-30% mafics and 10-20% serecite.10% pyrite as veins and/or disseminated pyrite bands. Minor chalcopyrite

STRUCTURES

From	To	Struct	CA	Strain
361.55	362.44	FOL	60	M

foliation ranges from 60-80 degrees to CA

From	To	Struct	CA	Strain
362.44	362.45	CNT	55	

sharp upper contact and vague lower contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
361.55	362.45	S				S			W					

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
362.26	362.33	15						60

10% py veins. 10% quartz 'vein', 1/2 % hematite veins

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
361.55	362.45	10	DISS		-			

pyrite as bands of disseminated pyrite and disseminated pyrite

From	To	Litho
362.45	371.20	7c

Granodiorite: Medium to fine grained; initially pale pink for 1st 2 meters after blue quartz diorite schist- then medium pink from 364.3 m with 40-50% quartz, 40-50% feldspars and 5-10% mafic minerals.

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
362.45	364.30	S							S					

strong silification; pale pink grey rock

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
365.00	370.00	8						

10 white quartz veins- 1cm to 15 cm wide; 5 cm of chlorite with 10 cm QV at 365.8m

SAMPLES

From	To	Sample	Au g/t	Type
362.50	363.00	P954353	0.395	CORE
363.00	364.00	P954354	0.194	CORE
364.00	365.00	P954355	0.087	CORE
365.00	366.00	P954356	0.190	CORE
366.00	367.00	P954357	0.106	CORE
367.00	368.00	P954358	0.011	CORE
368.00	369.00	P954359	0.050	CORE
369.00	369.00	P954360	0.038	DUP
369.00	370.00	P954361	0.029	CORE

From	To	Litho
362.45	371.20	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																				369.50	371.19	1																		

chlorite veins 1-8mm wide

																																					370.00	371.25	P954362	0.066	CORE
371.19	371.20	CNT	70	S																																					

sheared at lower contact

From	To	Litho
371.20	379.10	5a

Gabbro: medium grained, medium to dark green, slightly to moderately foliated in many places-

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
371.20	371.50	FLT	80	W																																					

minor shearing

																																					371.25	372.00	P954363	1.260	CORE
																																						372.00	373.00	P954364	0.302	CORE
																																					373.00	374.00	P954365	0.052	CORE
																																					374.00	375.00	P954366	0.119	CORE
																																					375.00	376.00	P954367	7.720	CORE
																																					376.00	377.00	P954368	0.008	CORE
																																					377.00	378.00	P954369	0.004	CORE
																																					378.00	378.00	P954370	0.341	52C
																																					378.00	379.10	P954371	0.008	CORE
379.09	379.10	CNT	70																																						

sharp contact

From	To	Litho
379.10	380.15	5h

Mafic Dike: Fine grained sharp upper and lower contacts; rest of dike is medium to fine grained, medium grey with pink bands/sections; 1% fine pyrite

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																													379.10	380.15	1	DISS	-					379.10	380.15	P954372	0.009	CORE

very fine py

From	To	Litho
380.15	380.77	5a

Gabbro: Medium grained, medium green- as above gabbro

STRUCTURES

From	To	Struct	CA	Strain
380.50	380.50	FOL	80	
380.76	380.77	CNT	80	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
380.77	381.70	W							W					

slightly hard

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
380.77	381.70	1	DISS	-				

fine pyrite

SAMPLES

From	To	Sample	Au g/t	Type
380.15	380.77	P954373	0.008	CORE
380.77	382.00	P954374	0.006	CORE

From	To	Litho
381.70	394.70	5a

Gabbro: medium grained, medium green;. Moderately foliated; shearing increases @ 385.5m there is a 70 cm medium grained, pink granodiorite section within the strongly foliated section which starts at 385.5m. Also a noticeable increase in calcite veining after the shearing starts at 385.5m

STRUCTURES

From	To	Struct	CA	Strain
386.00	386.10	FOL	60	M
387.80	387.85	SH	60	M

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
381.70	394.70	VW								VW				

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
385.50	388.00	2.5						

2-3 % calcite veins at variable angles to CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
381.70	394.70	0.1	DISS	-				

fine scattered pyrite

SAMPLES

From	To	Sample	Au g/t	Type
382.00	383.00	P954375	0.025	CORE
383.00	384.00	P954376	0.013	CORE
384.00	385.00	P954377	0.003	CORE
385.00	386.40	P954378	1.650	CORE
386.40	387.20	P954379	0.029	CORE
387.20	387.20	P954380	<0.001	BLK
387.20	388.00	P954381	0.004	CORE
388.00	389.00	P954382	0.003	CORE

From	To	Litho
381.70	394.70	5a

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
390.40	390.45	SH	50	M
394.69	394.70	CNT	85	M

moderate strain with thin calcite veinlets for 10 cm above this contact;

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
389.00	390.00	P954383	<0.001	CORE
390.00	391.00	P954384	0.021	CORE
391.00	392.00	P954385	0.001	CORE
392.00	393.00	P954386	<0.001	CORE
393.00	394.00	P954387	0.030	CORE
394.00	394.70	P954388	<0.001	CORE

From	To	Litho
394.70	395.22	5h

Mafic Dike: Medium grained, dark green, blotchy gabbro with possible small chill margins; rare pyrite

STRUCTURES

From	To	Struct	CA	Strain
395.21	395.22	CNT	90	W

Lower contact is similar to above contact- with minor calcite veining

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
394.70	395.22	P954389	0.076	CORE

From	To	Litho
395.22	398.75	5

Mafic Intrusive (Unsubdivided); Initially medium grained, medium green and similar to the above gabbro for 1st meter; then progressively finer grained and darker green until next unit.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
395.22	396.20	5						90

5% calcite veinlets in 1st meter- generally at 90 degrees

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
395.22	395.22	P954390	0.207	DUP
395.22	396.00	P954391	0.004	CORE
396.00	397.00	P954392	0.028	CORE

From	To	Litho
395.22	398.75	5

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
398.74	398.75	CNT	50	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
398.75	399.16	W												

some hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
396.20	398.75	2						80

2% calcite veins generally at 80-90 degrees

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
397.00	398.00	P954393	0.011	CORE
398.00	398.75	P954394	0.010	CORE
398.75	399.30	P954395	0.014	CORE

From	To	Litho
398.75	399.16	6e

Feldspar Porphyry: Fine grained, light brown matrix with 25% mainly sub-hedral 3-10 mm, light green or dirty pink, feldspar phenocrysts

STRUCTURES

From	To	Struct	CA	Strain
399.15	399.16	CNT	60	

contact appears 'diffuse' in places

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type

From	To	Litho
399.16	400.50	5

Mafic Intrusive (Unsubdivided); Similar to above- and progressively finer grained towards lower contact; small 2-5 cm gabbro xenolith at 400.3 m and 2 1 cm calcite veins at lower contact.

STRUCTURES

From	To	Struct	CA	Strain
400.49	400.50	CNT	50	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
399.16	400.05													VW

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA
400.40	400.50	15						

two 1 cm calcite veins

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
399.16	400.50	0.1	-	-				

very rare pyrite

SAMPLES

From	To	Sample	Au g/t	Type
399.30	400.50	P954396	0.016	CORE

From	To	Litho
400.50	405.05	5a

Gabbro: Medium grained, medium green: 40-60% light green 2-4 mm feldspar, 30-50% mafic minerals; minor quartz-calcite, epidote, hematite veins.

STRUCTURES

From	To	Struct	CA	Strain
405.04	405.05	CNT	30	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
400.50	405.05													W

more epidote alteration near veining ie 404-404.6m

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
404.00	404.60	15						

quartz-calcite, hematite veins

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
400.50	401.00	P954397	0.005	CORE
401.00	402.00	P954398	<0.001	CORE
402.00	403.00	P954399	<0.001	CORE
403.00	403.00	P954400	8.620	62C
403.00	404.00	P954401	0.003	CORE
404.00	405.00	P954402	<0.001	CORE
405.00	406.00	P954403	0.001	CORE

From	To	Litho
405.05	429.70	9

Diabase: mainly medium grained, medium greenish grey and moderately to strongly magnetic. In main unit- 40-50% light green feldspar, 40-60% mafic minerals, up to 1% magnetite; 406m-410m; 5-10% greenish feldspar blobs; 416.1m-417.1m 60% feldspar blobs; Relatively uniform texture; random scattered calcite veins

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
405.05	429.70	0.2						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
406.00	407.00	P954404	<0.001	CORE
407.00	408.00	P954405	<0.001	CORE
408.00	409.00	P954406	0.001	CORE
409.00	410.00	P954407	<0.001	CORE
410.00	411.00	P954408	<0.001	CORE
411.00	412.00	P954409	<0.001	CORE
412.00	412.00	P954410	<0.001	BLK
412.00	413.00	P954411	<0.001	CORE
413.00	414.00	P954412	<0.001	CORE
414.00	415.00	P954413	<0.001	CORE
415.00	416.00	P954414	0.002	CORE
416.00	417.00	P954415	<0.001	CORE
417.00	418.00	P954416	<0.001	CORE
418.00	419.00	P954417	<0.001	CORE
419.00	420.00	P954418	0.004	CORE
420.00	421.00	P954419	0.002	CORE
421.00	421.00	P954420	<0.001	DUP

From	To	Litho
405.05	429.70	9

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					421.00	422.00	P954421	0.018	CORE
																																					422.00	423.00	P954422	<0.001	CORE
																																					423.00	424.00	P954423	<0.001	CORE
																																					424.00	425.00	P954424	<0.001	CORE
																																					425.00	426.00	P954425	<0.001	CORE
																																					426.00	427.00	P954426	<0.001	CORE
																																					427.00	428.00	P954427	0.016	CORE
																																					428.00	429.00	P954428	<0.001	CORE
																																					429.00	429.70	P954429	0.004	CORE

From	To	Litho
429.70	442.40	5

Mafic Intrusive (Unsubdivided); Variably altered gabbro: a few unaltered section of gabbro (medium grained, 30-50% small white feldspars, 40-60% dark green mafic minerals; plus sections of variable length of epidote altered gabbro, porphyritic gabbro, light grey or brown (sericitic?) altered gabbro; some porphyritic gabbro in this section

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					429.70	429.70	P954430	1.530	15D
																																					429.70	431.00	P954431	0.034	CORE
																				429.70	431.60	2																		
																				varied calcite veins																				
					429.70	442.49	M				M			VW					W																							
																																					431.00	432.00	P954432	0.037	CORE
431.30	431.40		SH	35 W																																				
																																				432.00	433.00	P954433	0.064	CORE
																																				433.00	434.00	P954434	0.014	CORE
					434.00	435.00	M							M					M										434.00	435.00	0.5	DISS	-		CP	0.5	434.00	435.00	P954435	0.370	CORE
																													dissem pyrite and 2% cp in a chlorite fracture at 434.5m @ 30 degrees to CA											
																																				435.00	436.00	P954436	0.035	CORE
																																				436.00	437.00	P954437	0.297	CORE
					436.80	438.70	S				S				VW																										
					brown altered gabbro with minor cp and py specs in core; some biotite																																						
																																				437.00	438.00	P954438	0.005	CORE
																																			438.00	439.00	P954439	0.007	CORE
					438.70	439.40	W				W				VW																										
					light and varied brown																																						

From	To	Litho
429.70	442.40	5

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
441.20	441.60	SH	75	M
		70-80 degrees mild shearing		
442.39	442.40	CNT	20	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
439.40	442.40	M				W			M					M
		moderate and varied hematite staining; strong epidote 440.3-44												

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
439.00	439.00	P954440	<0.001	BLK
439.00	440.00	P954441	0.003	CORE
440.00	441.00	P954442	0.011	CORE
441.00	442.40	P954443	0.002	CORE

From	To	Litho
442.40	449.30	6em

Feldspar porphyry- mainly small light green phenocrysts- light green- rarely dark green matrix; 5 to 50% small light green plagioclase crystals. Some strong purple altered sections with thin calcite fractures from 444m-445m

STRUCTURES

From	To	Struct	CA	Strain
449.29	449.30	CNT	35	

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
443.80	445.50	S								M				
		strong- then moderate hematite altn												
446.40	449.30	VW												VW
		weak hematite staining												

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
442.40	446.30	1.5						
		1-2% calcite veins with variable angles						

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
444.00	446.30	2	DISS	-				

SAMPLES

From	To	Sample	Au g/t	Type
442.40	443.00	P954444	0.002	CORE
443.00	444.00	P954445	0.012	CORE
444.00	445.00	P954446	0.020	CORE
445.00	446.00	P954447	0.016	CORE
446.00	447.00	P954448	0.010	CORE
447.00	448.00	P954449	0.062	CORE
448.00	448.00	P954450	0.041	DUP
448.00	449.30	P954451	0.027	CORE

From	To	Litho
449.30	450.90	5b

Diorite: medium grained, light grey to white diorite with sharp upper contact; small breccia near lower contact. Minor quartz vein; rare pyrite

STRUCTURES

From	To	Struct	CA	Strain
449.30	450.90	BXB		W

moderate crackle brecia and small breccia at lower contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
449.30	450.90	1						

1% fine chlorite veinlets

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
449.30	450.00	P954452	0.013	CORE
450.00	450.90	P954453	0.007	CORE

From	To	Litho
450.90	452.20	6em

Small Feldspar Porphyry (mafic): similar to above. Mainly light green feldspars in a light green, dark green or purple matrix; some crackle breccia

STRUCTURES

From	To	Struct	CA	Strain
452.19	452.20	CNT	5	S

very regular contact

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
450.90	452.20	M												M

strong hematite alteration in places- also epidote veinlets

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
451.30	452.00	1						

crackle breccia with fine epidote veinlets

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

SAMPLES

From	To	Sample	Au g/t	Type
450.90	452.20	P954454	0.019	CORE

From	To	Litho
452.20	456.40	7c

Granodiorite: Medium grained, light pink with a variety of calcite, hematite, epidote, quartz veinlets; rare pyrite; a small 25 cm mafic dike at 452.33 m; dike is dark green, fine grained and has 1-2% disseminated pyrite; similar 20 cm dike at 453m

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
452.20	456.40	M							M	VW				W

weak hematite staining

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
452.20	456.20	1						

total 1% veins; thin epidote, quartz, calcite and/or hematite veins.veinlets

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
452.20	456.20	0.1	-	-				

SAMPLES

From	To	Sample	Au g/t	Type
452.20	453.00	P954455	0.003	CORE
453.00	454.00	P954456	0.001	CORE

From	To	Litho
452.20	456.40	7c

(Continued from previous page)

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					454.00	455.00	P954457	0.015	CORE
																																					455.00	456.40	P954458	0.004	CORE
456.39	456.40	CNT	50																																					

From	To	Litho
456.40	458.10	5a

Gabbro: mainly medium grained, medium greenish grey with some parts slightly silicified/hematized and/or foliated.

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
																																					456.40	457.00	P954459	0.021	CORE
																													456.40	458.10	0.1	DISS	-						
456.55	456.70	FOL	50	S																																				
average foliation																																						457.00	457.00	P954460	0.341	52C
					457.00	457.70	S							S																											
weakly hematized = granodiorite																																						457.00	458.00	P954461	0.041	CORE
																																					458.00	458.50	P954462	0.004	CORE
458.09	458.10	CNT	45																																					

From	To	Litho
458.10	458.50	10a

Lamprophyre: Fine to medium green, light to dark green; moderately foliated with 5-10% biotite

STRUCTURES					ALTERATION													VEINS								MINERALIZATION								SAMPLES				
From	To	Struct	CA	Strain	From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP	From	To	Vn%	Style 1	Style 2	Type 1	Type 2	V/m	CA	From	To	PY%	Style	VG	Min	Min%	Min2	M2%	From	To	Sample	Au g/t	Type
458.10	458.40	FOL	70	M																																				
					458.10	458.50	W								W															458.10	458.50	0.1	DISS	-						
																													trace pyrite											
458.49	458.50	CNT	60																																					

From	To	Litho
458.50	459.60	5a

Gabbro: medium to fine grained, medium to dark green, slightly foliated in places

STRUCTURES

From	To	Struct	CA	Strain
458.70	459.59	FOL	70	M

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
458.50	459.60	VW								VW				

silicified and hematized for 7 cm at 459m

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA
461.60	461.70	100						30

quartz vein with minor chlorite

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%
458.50	459.60	0.1	DISS	-				
459.60	462.90	0.1	DISS	-				

8% dissem cp in core at 462.4m; possible more cp elsewhere...

SAMPLES

From	To	Sample	Au g/t	Type
458.50	459.60	P954463	0.028	CORE
459.60	460.30	P954464	0.044	CORE
460.30	461.00	P954465	0.024	CORE
461.00	462.00	P954466	0.078	CORE
462.00	462.90	P954467	0.109	CORE

From	To	Litho
459.60	462.90	6em

Feldspar Porphyry (Small phenocrysts) intermediate mafic. Fine grained, light green or grey matrix with 20-50% small 1-3 mm white feldspar phenocrysts, 5-10% mafic minerals. Slightly foliated. Chalcopyrite occurs on some fractures and within the core in places.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	TC	SR	CH	SE	CB	FU	SI	CA	TO	C	AB	EP
461.70	462.60	M												

moderate purple hematite

VEINS

From	To	Vn%	Style 1	Style 2	Type 1	Type 2	Vm	CA

MINERALIZATION

From	To	PY%	Style	VG	Min	Min%	Min2	M2%

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GEOLOGICAL LOG FIELDS AND CODES DESCRIPTION

LITHOLOGY

Litho	Description
1	Mafic Metavolcanic (Unsubdivided)
1a	Massive basalt
1b	Pillow basalt
1c	Mafic Tuff
1d	Amygdaloidal Basalt
1f	Mafic Schist
1g	Amphibolite
1h	Mafic Gneiss
2	Intermediate Metavolcanic (Unsubdivided)
2a	Intermediate Flow
2b	Intermediate Lapilli tuff
2c	Intermediate Tuff breccia
2d	Volcanogenic sandstone to siltstone
2e	Intermediate Crystal tuff
2g	Intermediate Schist
2j	Intermediate Flow breccia
3	Felsic Metavolcanic (Unsubdivided)
3a	Felsic Flow
3b	Felsic Lapilli tuff
3c	Tuff breccia
3d	Quartz porphyritic volcanic
3e	Autoclastic flow breccia
3f	Hydrothermal breccia, with chlorite veining
3g	Felsic Schist

Litho	Description
4	Metasediment (Unsubdivided)
4a	Conglomerate, boulders and cobbles
4b	Pebbly sandstone, matrix supported
4c	Sandstone, arkosic sandstone, arenite
4d	Siltstone and mudstone
4e	Schist
4f	Chert
4g	Iron Formation
5	Mafic Intrusive (Unsubdivided)
5a	Gabbro
5b	Diorite
5c	Mafic Pegmatite
5g	Mafic Intrusive breccia
5h	Mafic Dike
6	Intermediate Intrusive (Unsubdivided)
6a	Quartz diorite
6b	Monzonite
6c	Monzodiorite with hematite-stained feldspar
6d	Syenite
6e	Feldspar porphyry
6em	Feldspar porphyry - small phenos, mafic
6eq	Quartz-Feldspar Porphyry
6f	Intermediate Intrusive breccia
6g	Intermediate Dike

Litho	Description
7	Felsic Synvolcanic Intrusive (Unsubdivided)
7a	Tonalite
7b	Trondjhemite
7c	Granodiorite
7d	Chlorite bearing breccia
7e	Pegmatite dike
7f	Quartz porphyry
7g	Intrusion breccia
7h	Aplite dike
7i	Felsic Schist
8	Felsic post volcanic Intrusive (Unsubdivided)
8a	Biotite tonalite
8b	Biotite + amphibole tonalite
8c	Biotite granodiorite
8d	Biotite + amphibole granodiorite
8e	Amphibole quartz monzonite to granodiorite
8f	Quartz–potassium feldspar megacrystic granite
8g	Foliated / sheared granite
8h	Granite gneiss
8i	Xenolithic granite
8j	Granite: aplite and/or pegmatite
8k	Magnetite bearing granite

Litho	Description
9	Diabase (unsubdivided)
9a	Gabbro to quartz gabbro
9b	Plagioclase phyric quartz gabbro
9c	Fine grained diabase
9d	Medium grained diabase
9e	Coarse grained diabase
9f	Xenolithic diabase
10	Lamprophyre (unsubdivided)
10a	Porphyritic Lamprophyre (ferromagnesian)
10b	Porphyritic Lamporphyre (feldspathic)
10c	Ultramafic intrusive
OVB	overburden
QSW	quartz stockwork
QVO	quartz vein
SHZ	Shear zone
ZFZ	fault zone/gouge

ALTERATION

Min	Description
AB	Albite
AK	Ankerite
AM	Amphibole
BT	Biotite
CC	Calcite
CL	Chlorite
DL	Dolomite
EP	Epidote
FD	Feldspar
FU	Fuchsite
GP	Graphite
GT	Garnet
HB	Hornblende
LX	Leucoxene
MT	Magnetite
MU	Muscovite
PL	Plagioclase
PX	Pyroxene
SR	Sericite
TC	Talc
TR	Tourmaline

Int	Description
VW	Very Weak
W	Weak
M	Moderate
S	Strong
VS	Very Strong
-	Not Recorded

MINERALIZATION

Style	Description
AN	Anhedral
CG	Coarse grained
DISS	Disseminated
EUH	Euhedral
FG	Fine grained
MS	Massive
MG	Medium grained
SM	Semi massive
SEUH	Sub-Euhedral
VLT	Veinlets

Min	Description
AS	Arsenopyrite
CP	Chalcopyrite
GN	Galena
MO	Molybdenite
PO	Pyrrhotite
SP	Sphalerite
HM	Hematite

VG	Description
VG	visible gold noted (historical)
VG1	weak (1 or 2 specks)
VG2	moderate (3-10 specks)
VG3	strong (>10 specks)
-	not recorded

STRUCTURE

Type	Description
-	Overburden
BDG	Bedding
BKY	Blocky
BXB	Breccia (brittle)
BXD	Breccia (ductile)
CNT	Contact
CRN	Crenulated
FLT	Fault
FOL	Foliation
FRC	Fracture
G	Gouge
LIN	Lineation
MS	Massive
SH	Shear
SSF	Small Scale Folds

Strain	Description
VW	Very Weak
W	Weak
M	Moderate
S	Strong
VS	Very Strong
-	Not Recorded

VEINING

Style	Description
EGQV	Early Grey Quartz Vein(s)
LWV	Late White Vein(s)
RBV	Ribboned Vein
SEV	Sheeted Extension Vein(s)
SEVA	Sigmoidal Extension Vein Array
SHV	Shear Vein(s)
STYV	Stylolitic Vein

Type	Description
AK	Ankerite
CA	Calcite
CB	Carbonate
HE	Hematite
QZ	Quartz
QZ-AB	Quartz-Albite
QZ-AK	Quartz-Ankerite
QZ-CA	Quartz-Calcite
QZ-CB	Quartz-Carbonate
QZ-FU	Quartz-Fuchsite
QZ-TO	Quartz-Tourmaline
TO	Tourmaline