Date: 21 Jan, 1998

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORD

REF CORD: 650.00 500.00 | CLAIM NUM: S1/2 LOT2 CONII | TOWNSHIP: STOCK | PROVINCE: ONTARIO | HOLE NO: S97-8

LOCATION 1: 6+50N 5+00E | GRID 1: 1996 METRIC | ELEV 1: .00

LOCATION 2: | GRID 2: | ELEV 2: | PROPERTY: STOCK

LEVEL: SURFACE | CASING LEFT IN HOLE (Y/N)? YES | SURVEYED (Y/N)? NO | PROJECT: STOCK EAST

AZIMUTH: 360.0 Deg. | LENGTH: 726.0 m | SECTION: LINE 5+00E | LOGGED BY: V. Verkhogliad

DIP: -50.0 Deg. | CORE SIZE: BQ | SYSTEM OF MEASURE: METRIC | DATE LOGGED: JULY 16 - 25, 1997

STARTED: JULY 7, 1997 | COMPLETED: JULY 24, 1997 | NTS: 42A10 | DRILLED BY: DOMINIK DIAMOND DRILLING LTD

PURPOSE: TEST IP ANOMALY | ASSAY TYPE: FA | RIG:

COMMENTS: AZIMUTH CORRECTED, DECLINATION WEST 10 DEGREES | TEST METHOD: Tropari & Acid | PROJECT SUPERVISOR: K.A. JENSEN

V. Verkhogliad

DIP TESTS (corrected)

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
65.00	357.00	-52.0	265.00	357.00	-52.0	465.00	357.00	-48.0	715.00	1.00	-46.0
115.00	359.00	-51.0	315.00	356.00	-52.0	515.00	359.00	-48.0			
165.00	355.00	-52.0	365.00	1.00	-49.0	565.00	359.00	-47.0			
215.00	358.00	-50.0	416.00	3.00	-49.0	620.00	3.00	-47.0			

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
.00	58.00		CASING LEFT IN THE HOLE Casing left, hole not cemented.								
58.00	726.00		ARGILLITE ARGILLITE/ARKOSE. 58.00 91.00 Arkose medium grey, fine-grained, massive, weakly carbonatized, weakly chloritic, moderately soft to moderately hard, weakly sericitized, 5 % quartz-carbonate stringers generally 3 - 5 mm at 40 - 70 dca, locally blebs pyrite to 3 mm to ARGILLITE dark grey, very soft, chloritic/graphitic, very fine-grained, ARGILLITE bands of various width from 0.3 cm to 1.2 cm generally, bedding mostly at 55 - 60 dca, arkose - 55 - 60 %, ARGILLITE - 30 - 35 %, common pyrite blebs and locally cubic 3 mm, for unit approximately 1 %. 61.60 61.75 Quartz vein with chlorite fracture-filling, upper contact broken approximately 55 dca, lower contact broken approximately 80 dca. 72.33 72.41 85 % irregular quartz-carbonate veining, trace pyrite bleb 2 mm in arkose. 74.84 74.88 Quartz-carbonate irregular vein, upper contact irregular 70 dca, lower contact irregular 70 dca. 79.90 80.13 Irregular quartz veining with minor carbonate, locally chlorite fracture-filling, 5 -7 cm wide along core axis. 81.10 81.20 Quartz-carbonate irregular vein with chlorite fracture-filling, upper contact broken, lower contact at 45 dca. 91.00 107.00 Argillite/arkose, sito, but bedding 65 - 70 dca, common pyrite blebs 2 - 3 mm less 1 % for unit, occasionally pyrite blebs fracture-filling approximately 3 - 4 %. 101.03 101.28 Quartz with minor carbonate vein with fragments (broken) of wallrock, chlorite fracture-filling, upper contact at 35 dca, lower contact irregular 45 dca. 103.77 103.81 Sericite/qc vein, upper contact at 65 dca, lower contact at 70 dca. 104.48 104.51 Sericite/qc vein, contacts at 70 dca. 107.00 161.00 Arkose 65 - 70 %, ARGILLITE approximately 25 %, quartz veining approximately 5 - 7 %, bedding 65 - 70 dca locally pyrite blebs less 1 % for unit, quartz veining as mostly irregular stringers at 70 - 85 dca 0.5 - 0.8 cm generally, occasionally fine-grained pyrite disseminated in wallrock around quartz stringers. 110.17 Intermittant quartz-carbonate stringer 2 cm at 10 dca with pyrite blebs to 2 mm approximately 1 %. 110.71 110.83 Quartz veining 85 % irregular. 123.04 Quartz-carbonate irregular stringer 2 - 3 cm at 15 dca, common arkose weakly chloritic, locally to moderately chloritic. 155.50 155.60 Quartz-carbonate vein, upper contact at 40 dca, lower contact at 45 dca. 156.27 156.57 Quartz-carbonate irregular veining 4 to 6 cm along core axis, trace fine-grained										

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			pyrite.								
			161.00 224.60 Arkose approximately 75 - 80 %, ARGILLITE approximately 15 %, quartz veining approximately 5 - 7 %, bedding at 70 dca, locally pyrite blebs 1 - 2 mm fracture-filling, occasionally to 3.5 cm, approximately 1 % for unit, locally up to 2 %.								
			168.95 Quartz-carbonate stringer 1 - 1.5 cm at 20 dca, irregular.								
			176.08 Irregular quartz-carbonate veining with sericite.								
			176.49 176.63 Irregular quartz vein with carbonate fracture-filling, upper contact at 30 dca, lower contact at 18 - 22 dca.								
			176.91 177.13 Grey blocky quartz vein with remnants of wallrock along contacts, upper contact at 40 dca, lower contact irregular approximately at 20 dca.								
			177.27 177.97 Greyish pale quartz vein with inclusions of chloritized arkose, fractured with carbonate fracture-filling, occasionally pyrite blebs along fractures and disseminated pyrite along contacts, upper contact irregular at 5 - 15 dca, lower contact in opposite direction, irregular at 10 -15 dca.								
			178.66 178.80 Grey quartz vein with inclusions of pale green chloritic and carbonatized arkose, fractured, no mineralization, upper contact at 30 dca, lower contact irregular at 25 dca.								
			203.76 203.83 Grey quartz vein irregular with carbonate fracture-filling and chlorite fracture-filling, trace pyrite, upper contact at 25 - 30 dca, lower contact at 15 - 20 dca.								
			203.94 204.00 Carb/ser/qtz vein, fractured, upper contact and lower contact irregular at 80 - 85 dca.								
			213.57 214.05 Parallel carbonate and quartz veins with minor sericite, fractured, inclusions of chlorite and wallrock arkose/argillite, no mineralization, upper contact at 50 dca, lower contact at 50 - 60 dca.								
			216.02 216.07 Irregular white calcite vein.								
			216.30 216.46 Irregular quartz veining, grey, fractured veins with minor sericite and inclusions of argillite/arkose, no mineralization.								
			224.60 230.12 Arkose 65 -70 %, argillite 30 - 35 %, quartz veining up to 1 %, bedding 65 -70 dca, locally pyrite blebs 1 - 2 % and pyrite fracture-filling mostly in argillite bands or close to them.								
			230.12 242.00 Arkose 75 - 80 %, argillite 15 - 20 %, carbonate and quartz veining 5 - 7 %, bedding 65 - 7- dca, pyrite blebs and disseminated pyrite 2 - 3 % for unit.								
			233.00 234.90 Arkose 90 %, argillite 5 %, all unit contains irregular quartz-carbonate veining 5 %, locally foliated and brecciated, pyrite blebs and fracture-filling pyrite up to 1.5 %.								
			242.00 248.00 Arkose 75 - 80 %, argillite 20 - 25 %, quartz-carbonate veining 5 - 7 %, bedding 65 -70 dca, pyrite blebs and fracture-filling pyrite up to 3 - 5 %, trace chalcopyrite, quartz-carbonate veining as irregular narrow stringers which are going along bedding and the latest one is at shallow 5 - 10 dca,. Pyrite blebs mostly belong to arkose, fracture-filling pyrite as narrow flakes (2 - 5 mm long) in quartz-carbonate stringers.	670501 670502 670503 670504	242.00 243.00 245.00 246.00	243.00 245.00 246.00 248.00	1.00 2.00 1.00 2.00	.000 .000 .000 .000		.000 .000 .000 .000	
			248.00 341.00 Arkose 85 -90 %, arkose 10 - 15 %, quartz-carbonate veining 1 - 3 %, bedding 65 - 70 dca, pyrite blebs and disseminated pyrite up to 1 % for unit. There are three different quartz-carbonate stringers system : first along bedding, second at 30 - 40 dca, third at 80 - 90 dca.								
			287.27 291.70 Arkose 50 - 60 %, argillite 30 - 35 %, quartz-carbonate veining 5 - 10 %, bedding 70 -90 dca, pyrite blebs and fracture-filling pyrite flakes 1 - 2 %.	670505	290.00	291.00	1.00	.000		.000	
			290.21 290.28 Quartz vein pale grey with carbonate fracture-filling and inclusions of wallrock, some pyrite blebs along contacts, upper contact at 65 -70 dca, lower contact irregular at 80 - 85 dca.								
			290.80 291.10 Quartz vein as above, upper contact and lower contact irregular at 80 - 90 dca.								
			291.32 291.41 Irregular quartz veining with inclusions of foliated and interbedded argillite/arkose								
			323.00 326.00 Arkose 50 %, argillite 50 %, bedding 65 - 70 dca, pyrite blebs, disseminated pyrite and pyrite flakes 1-2 %.	670506	323.00	325.00	2.00	.000		.000	
			341.00 390.90 Arkose 75 - 80 %, argillite 20 - 25 %, quartz-carbonate and more carb/qtz veining as above from 248.0 to 341.0, bedding 67 -70 dca, pyrite blebs and disseminated pyrite less 1 %.	670507	390.00	392.00	2.00	.000		.000	
			390.90 401.00 Highly interbedded arkose 50 %, argillite 45 - 47 %, bedding 80 - 82 dca, carb/qtz veining irregular and along bedding 3 - 5 %, pyrite blebs, pyrite bands (up to 1 - 1.5 mm wide), disseminated pyrite 1 - 2 % for unit, bedding 80 - 82 dca, arkose more greyish, slightly greenish, fine-grained, moderately soft, carbonatized, sericitized and chloritic, argillite black, greyish black, soft, very fine-grained, chloritic, carbonatized, slightly sericitized, carb/qtz veining mostly irregular, veins and stringers greyish, pale greyish and white with inclusions of wallrock and minor sericite.	670508 670509 670510	392.00 393.00 396.00	393.00 395.00 398.00	1.00 2.00 2.00	.000 .000 .000		.000 .000 .000	
			396.93 397.40 Intraformational conglomerate, arkose 70 - 75 %, argillite 20 - 25 %, carb/qtz								

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			veining 7 - 10 %, pyrite mineralization as for unit, conglomerate is represented by light grey, fine-grained, massive, moderately soft, very weakly carbonatized arkose with trace disseminated pyrite cemented by argillite.								
			401.00 430.70 Arkose 60 - 70 %, argillite 30 - 40 %, bedding 85 - 90 dca, carb/qtz veining up to 5 %, pyrite blebs, disseminated pyrite and fracture-filling pyrite less 1 %.								
			417.80 417.92 Quartz vein, white, pale with inclusions of wallrock and single pyrite blebs 1 - 3 mm, upper contact irregular 80 - 85 dca, lower contact irregular 45 - 50 dca.								
			418.00 418.23 Quartz vein, grey with carbonate fracture-filling, without mineralization, upper contact 20 - 22 dca, lower contact irregular 15 - 20 dca.								
			430.70 484.30 Arkose 80 - 85 %, argillite 5 - 10 %, carbonate and carb/qtz veining 5 - 10 %, pyrite blebs, fracture-filling pyrite and disseminated pyrite 1 - 2 % for unit, bedding 80 - 90 dca, veining parallel bedding mostly 45 - 50 dca.								
			448.15 455.00 Sito, but carb/qtz veining up to 10 - 15 % without mineralization.	670511	464.00	465.00	1.00	.000		.000	
			464.20 465.96 Arkose 95 %, argillite 2 - 5 %, carb/qtz veining 2 - 3 %, bedding - irregular bands at 50 - 55 dca, arkose blackish grey, grey, massive, moderately soft, non-magnetic, weakly sericitized, chloritized and more carbonatized, carbonate as calcite / quartz veining as various systems of irregular stringers at shallow angles, another one along bedding and the last one is independent, occasionally carb/qtz stringers as blebs, clots and patches, pyrite blebs up to 3 - 5 mm, disseminated pyrite and fracture-filling pyrite less 1 % in arkose and in carb/qtz stringers, argillite black, blackish grey, grey, very fine-grained, soft, non-magnetic, graphitic and locally weakly graphitic, carbonatized, weakly chloritized and sericitized, trace sulphide mineralization mostly as disseminated pyrite and pyrite flakes 1 - 3 mm.	670512	465.00	467.00	2.00	.000		.000	
			465.96 470.40 Arkose 5 - 10 %, argillite silstone 90 - 95 %, bedding mostly 85 - 90 dca, carb/qtz veining less 1 %, pyrite as above - trace.								
			470.40 484.30 Arkose 50 %, argillite 50 %, carb/qtz veining 1 - 2 %, bedding mostly 85 - 90 dca, pyrite blebs, disseminated pyrite, fracture-filling pyrite up to 1 %, argillite silstone bands 1 - 3 mm up to 15 - 20 cm.	670513	475.00	477.00	2.00	.000		.000	
			476.12 476.61 Arkose 5 - 10 %, argillite 80 - 85 %, carb/qtz veining 3 - 5 %, pyrite less 1 %, pale carb/qtz stringers irregular and at 50 - 60 dca, various from 1 - 2 mm to 1 - 2 cm, all unit fractured.	670514	477.00	478.00	1.00	.000		.000	
				670515	482.00	484.00	2.00	.000		.000	
				670516	484.00	485.00	1.00	.000		.000	
			484.30 505.45 Arkose 85 - 90 dca, argillite silstone 10 - 15 %, bedding generally 80 - 90 dca, carb/qtz veining 2 - 3 %, pyrite blebs, very fine-grained pyrite disseminated and pyrite fracture-filling 2 - 3 %, carb/qtz stringers irregular at shallow angles 15 - 20, parallel to bedding and mostly at 50 - 60 dca.	670517	485.00	487.00	2.00	.000		.000	
				670518	487.00	488.00	1.00	.000		.000	
				670519	488.00	490.00	2.00	.000		.000	
				670520	490.00	491.00	1.00	.000		.000	
				670521	494.00	495.00	1.00	.000		.000	
				670522	495.00	497.00	2.00	.000		.000	
				670523	497.00	498.00	1.00	.000		.000	
				670524	499.00	501.00	2.00	.000		.000	
				670525	501.00	502.00	1.00	.000		.000	
				670526	502.00	504.00	2.00	.000		.000	
			503.07 503.75 Arkose 95 - 97 %, argillite 2 - 3 %, carb/qtz veining 2 - 3 %, parallel carb/qtz stringers from 1 - 3 mm to 1 - 1.2 cm greyish white, fractured, with low displacement along shearing, stringers at 45 - 50 dca, shearing at 10 - 15 dca.	670527	505.00	506.00	1.00	.000		.000	
			505.45 516.75 Arkose 80 - 85 %, argillite 7 - 10 %, carb/qtz veining 5 - 7 %, bedding 70 - 75 dca, arkose blackish grey, grey, fine-grained, moderately soft, non-magnetic, carbonatized, weakly chloritized and sericitized, carb/qtz veining as irregular calcite / quartz veins and stringers and belong to zones of foliated graphitic argillite such as.								
			505.45 505.80 Parallel quartz veins with calcite fracture-filling at 45 - 50 dca, contacts irregular.								
			506.11 506.63 Irregular narrow crosscutting and foliated pale grey, white quartz stringers and veinlets with inclusions of ARGILLITE, chlorite and trace of sericite, generally carb/qtz stringers and veinlets at 65 - 70 dca, locally pyrite in veinlets along contacts.	670528	507.00	509.00	2.00	.000		.000	
			508.00 508.30 Carb/qtz veining as above from 506.11 to 506.63.								
			510.80 511.54 Carb/qtz irregular veining at shallow angle 0 - 10 dca and parallel at 45 - 50 dca.	670529	511.00	513.00	2.00	.000		.000	
			512.75 513.40 Carb/qtz veining at 50 - 55 dca, parallel and irregular, but less as before.	670530	515.00	516.00	1.00	.000		.000	
			516.15 516.75 Carb/qtz veining as above.								
			516.75 545.35 Arkose 80 - 85 %, argillite 10 - 12 %, carb/qtz veining 1 - 3 %, bedding generally 75 - 85 dca, locally pyrite blebs, disseminated pyrite and pyrite fracture-filling flakes up to 1 - 2 % for unit, carb/qtz veining mostly as irregular veins and stringers 0.3 - 3 cm at 65 - 85 dca, occasionally pyrite blebs 1 - 5 mm on contacts of quartz stringers and wallrock.								
			516.75 518.00 Parallel quartz stringers with carbonate fracture-filling at 45 - 60 dca in 3 - 5 cm or 10 cm each from another.								
			518.13 518.18 Quartz vein, grey with small inclusions of arkose, chlorite, sericite and few pyrite blebs 1 - 3 mm, upper contact irregular approximately 55 - 60 dca, lower contact 55								

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			dca.								
			519.19 Irregular greyish white quartz stringers with pyrite blebs on contacts at 35 - 40 dca								
			521.61 521.64 Quartz vein grey, fractured with carbonate fracture-filling, contacts at 85 dca.								
			524.68 524.72 Quartz vein grey with carbonate fracture-filling and inclusions of chlorite, contacts at 65 dca.								
			526.00 528.85 Finelly interbedded arkose 50 - 55 %, argillite 45 - 50 %, bedding 70 - 80 dca, pyrite blebs, disseminated pyrite and mostly pyrite fracture-filling 1 - 2 %.	670531	526.00	527.00	1.00	.000		.000	
			526.10 526.22 Irregular quartz veining white and grey slightly brecciated at approximately 80 - 85 dca.	670532	527.00	529.00	2.00	.000		.000	
				670533	531.00	533.00	2.00	.000		.000	
			531.90 531.96 Irregular quartz veining, occasionally crosscutting quartz stringers with pyrite flakes fracture-filling.								
			532.70 533.00 Irregular quartz veining as above.								
			541.64 561.73 Crosscutting quartz veining three irregular narrow quartz stringers cut by 7 cm wide greyish white quartz vein weakly sericitic with inclusions of chlorite, contacts irregular at 50 - 60 dca.	670534	545.00	546.00	1.00	.000		.000	
			545.35 551.46 Arkose 45 - 50 %, argillite 40 - 45 dca, quartz veining 5 - 7 %, pyrite blebs, disseminated pyrite and fracture-filling pyrite 1 - 3 %, bedding various from the beginning to the end of section from 70 - 75 dca to 60 - 65 dca.								
			545.85 545.87 Quartz vein grey with calcite fracture-filling and pyrite disseminated less 1 %, contacts at 35 dca.	670535	546.00	548.00	2.00	.000		.000	
			546.33 546.41 Irregular quartz veining, grey, greyish white quartz vein with inclusions of wallrock and sericitic wisps 1 - 3 mm, trace pyrite.								
			546.80 546.86 Quartz vein as above, trace pyrite blebs, contacts 35 - 45 dca.	670536	548.00	549.00	1.00	.000		.000	
			548.08 548.44 Quartz vein greenish grey, grey, fractured with carbonate fracture-filling, sericitic wisps and pyrite blebs 2 - 3 % underlined at lower contact by white quartz stringer 0.5 - 0.7 cm, lower contact 5 - 7 %.								
			548.56 548.65 Quartz vein as above, upper contact 90 dca, lower contact 35 - 40 dca.	670537	549.00	551.00	2.00	.000		.000	
			550.20 550.24 Quartz veining as above with irregular contacts.	670538	551.00	552.00	1.00	.000		.000	
			551.46 569.00 Arkose 80 - 85 %, argillite 15 - 20 %, quartz veining 1 - 3 %, occasionally pyrite blebs, disseminated pyrite and fracture-filling pyrite less 1 %, bedding mostly 70 dca, occasionally 60 - 65 dca, quartz stringers irregular and at 45 - 60 dca up to 0.8 cm wide.								
			569.00 580.00 Arkose 55 - 60 %, argillite 40 - 45 %, quartz veining 3 - 4 %, occasionally pyrite blebs 3 - 8 mm, disseminated pyrite and fracture-filling pyrite approximately 1 %, bedding 60 - 65 dca, quartz veining as narrow quartz stringers mostly at 60 - 65 dca and stringer 80 - 85 dca, crosscutting carb/qtz and quartz-carbonate stringers and quartz veins with sericitic wisps and inclusions of wallrock.	670539	569.00	570.00	1.00	.000		.000	
			569.17 569.18 Quartz vein, grey, uniform, sharp contacts at 65 dca.	670540	572.00	573.00	1.00	.000		.000	
				670541	573.00	575.00	2.00	.000		.000	
			573.01 573.13 Quartz vein grey with carbonate fracture-filling and inclusions of argillite and arkose, less chlorite and sericite, pyrite blebs up to 5 - 8 mm in vein and on contacts, contacts irregular approximately 35 dca.	670542	575.00	577.00	2.00	.000		.000	
			575.73 575.95 Irregular quartz vein as above, from one side irregular white quartz stringer to 1 cm, contacts irregular approximately 5 dca.	670543	577.00	578.00	1.00	.000		.000	
				670544	578.00	580.00	2.00	.000		.000	
			580.00 596.00 Arkose 85 - 90 %, argillite 10 - 15 %, quartz veining 1 - 3 %, bedding 65 - 70 dca, occasionally pyrite blebs in wallrock, carb/qtz and quartz stringers, very fine-grained pyrite, pyrite fracture-filling less 1 %.	670545	589.00	590.00	1.00	.000		.000	
			589.44 589.51 Quartz vein grey with inclusions of wallrock, few pyrite blebs, irregular contacts 60 - 70 dca.	670546	590.00	592.00	2.00	.000		.000	
				670547	592.00	594.00	2.00	.000		.000	
			592.90 593.02 Quartz vein greyish white with sericitic wisps and clots up to 1.5 cm and inclusions of foliated ARGILLITE, occasionally disseminated pyrite and pyrite blebs up to 1 - 3 mm.								
			596.00 642.00 Arkose 85 - 90 %, argillite 10 - 12 %, quartz veining 2 - 3 %, bedding generally 60 - 70 dca, occasionally 40 - 45 dca, pyrite blebs, disseminated pyrite, fracture-filling pyrite - less 1 %, arkose light grey, grey, moderately soft, occasionally banded, weakly chloritized, sericitized and carbonatized, argillite greyish black, black, aphanitic, soft, bands various from 1 - 2 mm to 12 - 15 cm.	670548	606.00	608.00	2.00	.000		.000	
			607.20 607.25 Quartz vein greyish white, grey (pale) with numerous inclusions of argillite 1 - 3 cm, some sericitic material as bands, upper contact 75 dca, lower contact approximately 50 dca.	670549	608.00	609.00	1.00	.000		.000	
				670550	609.00	611.00	2.00	.000		.000	
			609.27 Irregular quartz stringer as antiform structure at approximately 60 dca.								
			609.43 Irregular stringer sito.								
			627.24 627.38 Quartz vein grey with inclusions of sericitized arkose and some wisps and fracture-filling sericite, trace pyrite, upper contact 20 - 22 dca, lower contact 22 - 25 dca.								
			631.92 Grey quartz vein 1 cm wide with calcite fracture-filling at 30 dca.								
			642.00 726.00 Arkose 90 - 95 %, argillite 5 - 10 %, quartz-carbonate veining 1 - 3 %, bedding generally 60 - 65 dca, occasionally pyrite blebs and disseminated pyrite less 1 %,								

Date: 21 Jan, 1998

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORD

Hole No: S97-8

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			quartz-carbonate veining as hairlike stringers, parallel to bedding and crosscutting, locally 1 - 3 cm wide quartz veins and stringers with calcite fracture-filling and weakly sericitic.								
			685.90 687.30 Sito, bedding 50 - 55 dca.								
			687.24 Fracture-filling pyrite patch along bedding.								
			702.60 705.61 Arkose 95 - 98 %, argillite 2 - 5 %, hairlike carbonate stringers 1 - 2 %, trace pyrite.								
			709.70 726.00 Arkose 85 - 90 %, argillite 10 - 15 %, quartz-carbonate veining 1 - 3 %, bedding 60 - 65 dca, pyrite blebs, disseminated pyrite and occasionally fracture-filling pyrite as bands 1 - 2 mm wide less 1 %, quartz-carbonate veining irregular hairline stringers, quartz-carbonate stringers up to 5 mm along bedding and quartz-carbonate irregular mass from 720.75 to 720.84 and from 721.14 to 721.30.	670551	710.00	711.00	1.00	.000		.000	
				670552	713.00	714.00	1.00	.000		.000	
				670553	714.00	716.00	2.00	.000		.000	
			714.22 714.28 Foliated arkose along ARGILLITE contacts, contacts irregular.								
			717.31 717.33 FAULT GOUGE, upper contact 35 dca, lower contact 90 dca.								
			717.44 717.46 FAULT GOUGE, upper contact 70 dca, lower contact broken.	670554	719.00	720.00	1.00	.000		.000	
				670555	720.00	722.00	2.00	.000		.000	
			720.88 720.89 Fault crackle with fine-grained pyrite, contacts approximately 65 - 70 dca.								
			725.57 726.00 Fault?, badly broken core as chips, upper contact along bedding at 65 dca.								
726.00			END OF HOLE CORE STORED ON STOCK MINE PROPERTY.								

Date: 3 Mar, 1998

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORD

REF CORD: 650.00 500.00 | CLAIM NUM: S1/2 LOT2 CONII | TOWNSHIP: STOCK | PROVINCE: ONTARIO | HOLE NO: S97-8A

LOCATION 1: 6+50N 5+00E | GRID 1: 1996 METRIC | ELEV 1: .00

LOCATION 2: | GRID 2: | ELEV 2: | PROPERTY: STOCK

LEVEL: SURFACE | CASING LEFT IN HOLE (Y/N)? | SURVEYED (Y/N)? NO | PROJECT: STOCK EAST

AZIMUTH: 360.0 Deg. | LENGTH: 41.0 m | SECTION: LINE 5+00E | LOGGED BY: V. Verkhogliad

DIP: -50.0 Deg. | CORE SIZE: BQ | SYSTEM OF MEASURE: METRIC | DATE LOGGED: 7 July 97

STARTED: 5 JULY 97 | COMPLETED: 7 JULY 97 | NTS: 42A10 | DRILLED BY: DOMINIK DIAMOND DRILLING LTD

PURPOSE: TEST IP ANOMALY | ASSAY TYPE: | RIG:

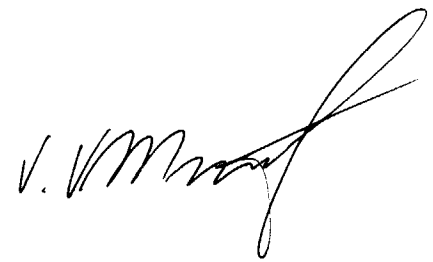
COMMENTS: AZIMUTH CORRECTED, DECLINATION WEST 10 DEGREES | TEST METHOD: | PROJECT SUPERVISOR: K.A. JENSEN

DIP TESTS (corrected)

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP

From (m)	To (m)	Rock Type	Geology
.00	41.00		CASING PULLED Casing pulled, hole not cemented.
41.00			END OF HOLE

Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU



42A10SE2002 2.18307 STOCK

Date: 21 Jan, 1998

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORD

REF CORD: 50.00 500.00 | CLAIM NUM: S1/2 LOT2 CONII | TOWNSHIP: STOCK PROVINCE: ONTARIO | HOLE NO: S97-9

LOCATION 1: 0+50N 5+00E | GRID 1: 1996 METRIC | ELEV 1: .00

LOCATION 2: | GRID 2: | ELEV 2: | PROPERTY: STOCK

LEVEL: SURFACE | CASING LEFT IN HOLE (Y/N)? YES | SURVEYED (Y/N)? NO | PROJECT: STOCK EAST

AZIMUTH: 360.0 Deg. | LENGTH: 651.8 m | SECTION: 5+00E | LOGGED BY: V. Verkhogliad

DIP: -68.0 Deg. | CORE SIZE: BQ | SYSTEM OF MEASURE: METRIC | DATE LOGGED: JULY 28 - AUG 11, 97

STARTED: JULY 24, 1997 | COMPLETED: AUGUST 8, 1997 | NTS: 42A10 | DRILLED BY: DOMINIK DIAMOND DRILLING LTD

PURPOSE: TEST IP ANOMALY | ASSAY TYPE: FA | RIG:

COMMENTS: AZIMUTH CORRECTED, DECLINATION WEST 11.5 DEGREES | TEST METHOD: TROPARI | PROJECT SUPERVISOR: K.A. JENSEN

V. Verkhogliad

DIP TESTS (corrected)

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
51.00	359.50	-67.0	246.00	356.50	-65.0	450.00	358.50	-68.0	651.00	7.50	-67.0
96.00	351.50	-66.0	297.00	357.50	-65.0	496.00	359.50	-68.0	651.80	7.50	-67.0
147.00	351.50	-65.0	345.00	356.50	-66.0	546.00	8.50	-68.0			
198.00	352.50	-66.0	396.00	358.50	-66.0	597.00	7.50	-68.0			

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
.00	45.00		CASING Casing left, hole not cemented.								
45.00	45.40		BOULDER								
45.40	52.77		MASSIVE MAFIC VOLCANIC MAFIC VILCANIC 45.4 52.77 dark greenish grey, fine-grained, massive, occasionally variolitic masses, hard, locally moderately hard, non-magnetic, very weakly carbonatized and sericitized, weakly chloritized occasionally as chlorite fracture-filling stringers, cubic pyrite, disseminated fine-grained pyrite, pyrite blebs up to 1 - 3 mm and occasionally pyrite fracture-filling with chlorite up to 1 %, combined quartz-carbonate stringers and veinlets at various angle, generally 60 - 65 dca, occasionally 85 - 90 dca. 47.60 48.07 Feldspar porphyry, medium-grained, yellowish greenish grey, massive, sericitic, hard, weakly fractured, weakly chloritized and more chlorite filling hairline fractures at 80 - 85 dca some limonite alteration along hairline fractures, locally very fine-grained pyrite disseminated, blebs and cubic pyrite and pyrite fracture-filling - 2 - 3 %, upper contact 20 dca, lower contact 35 dca. 47.78 Quartz veinlet, pale, white, massive with calcite fracture-filling, on both contacts grey quartz with coronal texture, trace pyrite, contacts at 45 - 47 dca. 47.87 Quartz veinlet 1 cm wide, sito, without coronal texture, with hairline chlorite fractures on contacts, contacts at 60 dca. 52.28 52.54 Quartz-carbonate and carbonate-quartz irregular veining at various angle. Lower contact 70 - 73 dca.	670556	52.00	54.00	2.00	.000		.000	
52.77	58.92		QUARTZ VEIN QUARTZ VEIN. 52.77 58.92 Aphanitic, pale, white, highly fractured with ser/chl fracture-filling, very hard, occasionally pyrite fracture-filling to 0.5 %, in generally for unit trace pyrite, upper contact slightly brecciated with inclusions of wallrock, chlorite fracture-filling and pyrite blebs, some qtz material as irregular veinlets at 0 - 5 dca in wallrock inclusions, at upper contact occasionally pyrite blebs, upper contact 75 dca, lower contact 75 - 80 dca.								
58.92	74.51		MASSIVE MAFIC VOLCANIC MAFIC VOLCANIC. 58.92 59.48 Greenish grey, fine to medium-grained, massive, hard, non-magnetic, occasionally with small 1 - 2 mm phenocrysts of altered pyroxene?, weakly carbonatized and chloritized, combined quartz-carbonate veining up to 1 % as very thin stringers.								

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			59.48 60.44 Feldspar porphyry, grey, light grey, massive, hard, fine to medium-grained with medium-grained feldspar phenocrysts, occasionally fractured, weakly chloritic along fractures, minor carbonate-quartz veining mostly up to 5 mm wide at 30 - 35 dca, trace pyrite - disseminated and fracture-filling, upper contact irregular approximately 35 - 40 dca, lower contact irregular approximately 50 - 60 dca.								
			60.44 62.57 Mafic volcanic, sito, but quartz-carbonate veining to 3 % as parallel stringers generally at 35 - 40 dca, occasionally at 8 - 10 and at 85 - 90 dca, trace pyrite, lower contact gradual.								
			62.57 74.51 Mafic volcanic variolitic pillowed, greenish grey, greyish green, aphanitic to fine-grained, hard, non-magnetic, weakly carbonatized and chloritized, quartz-carbonate veining up to 1 % as thin stringers at various angles, varioles up to 2 cm, occasionally feldspathized, occasionally varioles up to 80 - 90 %, carbonate-quartz masses filling MARGINS OF PILLOW, locally pyrite blebs up to 1 cm, fracture-filling and associated with carbonate/chl masses.								
			72.53 72.75 Strong chloritized, carbonatized and foliated variolitic pillowed MAFIC VOLCANIC.								
			72.75 73.31 Feldspar porphyry, light greenish grey, fine to medium-grained matrix with coarse-grained phenocrysts up to 6 mm of pale white plagioclase, porphyritic,, hard, weakly chloritized along hairline fractures, trace disseminated pyrite, upper contact 55 dca, lower contact irregular approximately 80 - 85 dca.								
			Lower contact 65 dca.								
74.51	78.48		QUARTZ FELDSPAR PORPHYRY FELDSPAR PORPHYRY. 74.51 78.48 Feldspar porphyry, sito, as from 72.75 to 73.31, weakly fractured with chlorite fracture-filling as hairline fractures, trace disseminated pyrite, occasionally pyrite fracture-filling. 77.56 77.70 Feldspar porphyry, sito, but brecciated with white quartz, chloritized and much more sericitized, trace pyrite. Lower contact 85 dca.								
78.48	81.40		MASSIVE MAFIC VOLCANIC MAFIC VOLCANIC. 78.48 81.40 Grey, fine to medium-grained, massive, hard, occasionally with plagioclase phenocrysts up to 1 - 2 mm, non-magnetic, weakly chloritized, carbonatized and sericitized, quartz-carbonate and carbonate-quartz veining at various angle, occasionally crosscutting, trace disseminated pyrite. Lower contact 75 dca.	670557	81.00	82.00	1.00	1.900		.055	
81.40	86.36		TUFF TUFF 81.4 86.36 dark greenish grey, grey, greenish grey, yellowish grey, brecciated from 81.4 to 82.43 with quartz white and greyish, carbonatized, chloritized and sericitized, pyrite 1 % for unit 81.40 82.42 Pyrite blebs, disseminated pyrite and mostly pyrite fracture-filling occasionally as bands 3 - 4 %. 82.43 86.36 Unit looks as banded rock due to sericitization and chloritization, occasionally pyroclastic pebbles 7 x 5 cm oriented along banding, visible banding at 60 - 65 dca. 82.43 83.74 Pyroclastic material 30 - 40 %. 83.74 86.36 Pyroclastic material 5 - 10 %. Upper contact is underlined by breccia zone 5 - 7 cm wide irregular approximately 70 dca, lower contact gradual at the end of banded tuff.								
86.36	176.93		MASSIVE MAFIC VOLCANIC MAFIC VOLCANIC. 86.36 125.00 Dark greenish grey, greenish grey, occasionally yellowish grey, aphanitic to fine-grained, massive, occasionally variolitic, hard, non-magnetic, chloritized, weakly carbonatized and sericitized, carbonate-quartz veining less 1 % for unit, trace disseminated pyrite. 86.84 86.89 Chl/carbonate/qtz vein, trace pyrite, occasionally chalcopyrite blebs, upper contact and lower contact at 35 - 38 dca. 88.85 89.00 Irregular chl/carbonate/qtz veining with remnants of basalt, trace disseminated pyrite, upper contact and lower contact at 90 dca. 89.70 Carbonate-quartz stringer white, 1 cm at 20 dca. 94.53 Quartz-carbonate stringer 8 mm at 20 dca, disseminated pyrite up to 1 %. 96.12 Cal/qtz vein 5 cm white with hairline fractures parallel to lower contact, upper contact at 40 dca, lower contact at 60 dca. 101.02 102.15 Carbonate-quartz vein 0.5 - 1.5 cm, upper contact and lower contact at 0 - 5 dca. 103.85 Carbonate-quartz stringer 1 cm at 10 - 15 dca, trace pyrite. 106.98 Carbonate-quartz vein 2 cm, contacts at 10 - 13 dca. 107.84 Quartz-carbonate stringer 1 cm with hairline chlorite fracture-filling parallel to								

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			contacts, contacts at 15 dca.								
			116.00 116.43 Foliated and brecciated with white quartz and carbonate-quartz masses, weakly hematitic, sericitic, trace disseminated and fracture-filling pyrite.								
			118.79 Quartz stringer 1 cm with carbonate fracture-filling and 3 - 4 cm band of chalcopyrite on lower contact, contacts at 60 dca.								
			120.28 120.31 Quartz stringer white with pinkish carb inside, contacts at 45 dca.								
			Lower contact irregular.								
			120.66 123.86 MAFIC VOLCANIC sito, but weakly bleached around carbonate-quartz stringers, chloritized and sericitized, carbonate-quartz veining 1 - 3 % as stringers 0.5 - 1.5 cm wide at various angle, cubic pyrite and blebs, disseminated pyrite and mostly fracture-filling along stringers 1 - 2 %.	670558 670559	121.00 123.00	123.00 125.00	2.00 2.00	.040 1.720		.001 .050	
			123.86 125.00 MAFIC VOLCANIC sito, but light grey, grey, sericitized, fractured and brecciated with greyish quartz, pyrite blebs and disseminated pyrite and fracture-filling pyrite up to 5 - 7 %.								
			Lower contact irregular approximately 55 dca.								
			125.00 176.93 MAFIC VOLCANIC greenish grey, greyish green, fine to medium-grained, massive, epidotized and sericitized, weakly chloritized and carbonatized, cubic and pyrite blebs disseminated and fracture-filling up to 1 % for unit, occasionally carbonate-quartz stringers at from 20 dca to 60 dca.	670560	125.00	126.00	1.00	.220		.006	
			125.00 126.50 Pyrite content 1 - 2 %.								
			138.00 144.79 MAFIC VOLCANIC sito, but very weakly epidotized.	670561	144.00	146.00	2.00	1.880		.055	
			144.79 144.98 Quartz breccia, quartz 90 - 95 %, MAFIC VOLCANIC 5 - 10 %, pyrite cubic and blebs up to 1 %.								
			144.98 146.11 MAFIC VOLCANIC sito, but weakly bleached and silicified, disseminated pyrite and fracture-filling 1 - 3 %.								
			150.47 150.92 Felsic dyke, greenish grey, aphanitic, massive, hard, crosscutting quartz stringers and chlorite fracture-filling 1 %, upper contact 70 dca, lower contact irregular approximately 85 dca.								
			156.10 156.76 Carbonate-quartz stringer 2 cm white with single cubic pyrite at 2 - 5 dca.								
			167.00 173.60 Carbonate-quartz and quartz veining 1 % at various angle.								
			Lower contact 50 dca.								
176.93	179.60		ULTRAMAFIC VOLCANIC								
			ULTRAMAFIC VOLCANIC.								
			176.93 179.60 Breccia, aphanitic to fine-grained, black, locally greyish black, massive 50 % and brecciated 50 %, soft, weakly magnetic, talcose and chloritized, locally silicified, quartz veining as irregular white and apple greenish grey stringers and veins, occasionally scattered patches, small pyrite blebs and disseminated pyrite up to 1 % for unit.								
			177.73 178.12 Quartz breccia, greenish grey with inclusions of ultramafic volcanic 2 3 cm and white quartz, pyrite blebs and disseminated pyrite - trace for unit, locally to 1 % associated with ultramafic volcanic, upper contact irregular 60 - 70 dca, lower contact irregular 70 -80 dca.								
			Lower contact broken.								
179.60	184.53		QUARTZ FELDSPAR PORPHYRY								
			FELDSPAR PORPHYRY.								
			179.60 184.53 Aphanitic matrix with white feldspar phenocrysts up to 3 - 5 mm, mottled, originally light greenish grey, grey and becoming pale, creamy and pinkish due to alteration, heavy fractured, hard, hairline fracture-filling by carbonate material, very fine-grained pyrite disseminated, pyrite blebs and cubes, but MOSTLY fracture-filling pyrite 2 - 3 %.	670562 670563 670564	180.00 181.00 183.00	181.00 183.00 184.00	1.00 2.00 1.00	.080 .260 .120		.002 .008 .004	
			Lower contact irregular approximately 75 dca.								
184.53	207.01		ULTRAMAFIC VOLCANIC								
			ULTRAMAFIC VOLCANIC.								
			184.53 187.10 Ultramafic volcanic, sito as from 176.93 to 179.6, but much less brecciated 20 - 25 % and more uniform.								
			184.53 184.80 Brecciated ultramafic volcanic with cherty grey irregular quartz masses up to 65 - 70 %.								
			186.12 186.17 Pyrite masses 80 % with inclusion of black ultramafic volcanic as band at approximately 50 dca.								
			187.10 SHARP contact between black and greenish ultramafic volcanic at 60 dca on one side and grad changing on another side to the same kind of rock.								
			187.10 207.01 Ultramafic volcanic, fine-grained, greenish grey, locally dark greenish grey and blackish grey, massive, occasionally brecciated, soft to moderately soft, non-magnetic, veining as grey cherty quartz stringers and veinlets, irregular quartz-carbonate hairline crackles and stringers together 5 - 10 % for unit, all								

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			unit carbonatized, chloritized, locally silicified and fuchsitic, pyrite blebs and cubes disseminated pyrite, occasionally fracture-filling pyrite less 1 % for unit.								
			187.37 Quartz stringer 1 cm wide, pale grey at 55 dca.								
			187.44 Grey cherty quartz stringer 1 cm wide at 40 dca.								
			187.62 Light grey quartz veinlet 2 cm wide at 35 - 40 dca.								
			188.03 Light grey quartz veinlet with carbonate fracture-filling 2 cm wide at 55 dca.	670565	191.00	192.00	1.00	.270		.008	
			191.69 193.04 Grey carbonate, fine-grained, light greenish grey fragmental, locally brecciated, moderately soft, non-magnetic, carbonatized, chloritized and silicified, combined irregular carbonate-quartz quartz veining 15 - 20 %, as cherty light grey quartz stringers and veinlets with carbonate fracture-filling at various angle, locally scattered patches of white quartz and brownish grey ankerite, pyrite blebs, disseminated and fracture-filling pyrite less 1 % for unit.	670566	192.00	194.00	2.00	12.390		.361	
				670651	194.00	195.00	1.00	.110		.003	
				670652	195.00	197.00	2.00	.180		.005	
				670653	197.00	198.00	1.00	.180		.005	
				670654	198.00	200.00	2.00	.060		.002	
			199.23 201.55 Quartz feldspar porphyry, aphanitic to fine-grained matrix with feldspar phenocrysts up to 3 mm, fractured with masses and hairline chlorite fracture-filling, disseminated pyrite up to 1 - 1.5 % for unit, upper contact irregular approximately 85 dca, lower contact at 35 dca.	670567	200.00	201.00	1.00	.260		.008	
				670568	201.00	203.00	2.00	.410		.012	
			201.55 207.01 Ultramafic volcanic, sito 193.94 - 199.23.								
			201.73 To 201.94 ultramafic volcanic, light greenish, weakly fuchsitic with irregular carbonate-quartz veining 40 - 45 %.								
			201.94 202.04 Quartz vein, pale and white, fractured, chlorite, carbonate fracture-filling, upper contact irregular approximately 30 - 45 dca, lower contact as irregular brecciated zone.								
			206.95 207.01 Series of parallel grey and white quartz stringers at 50 - 55 dca on upper contact and lower contact.								
207.01	216.90		QUARTZ FELDSPAR PORPHYRY								
			QUARTZ FELDSPAR PORPHYRY.								
			207.01 216.90 Aphanitic with porphyritic feldspar phenocrysts up to 3 mm, greenish grey, pinkish grey, grey, light grey, hard, strongly fractured, irregular quartz veining mostly at shallow angles, weakly chloritized and carbonatized as hairline fracture-filling, pyrite fracture-filling (80 - 90 %), disseminated pyrite and pyrite blebs (10 - 20 %) approximately 2 - 3 % for unit, occasionally pyrite bands 1 - 3 mm at 70 - 80 dca, upper contact broken approximately 70 dca, lower contact at 45 dca.	670569	210.00	212.00	2.00	.370		.011	
			212.04 213.74 Ultramafic volcanic, fine-grained, grey, light greenish grey, yellowish grey, moderately hard, chloritized, carbonatized, locally sericitized and occasionally weakly fuchsitic, very poor veining as irregular quartz stringers at various angles, disseminated pyrite less 1 %.								
			212.29 212.43 Quartz vein, pale grey, locally white with inclusions of fuchsitic ultramafic and chlorite hairline fracture-filling, upper contact at 65 dca, lower contact at 75 dca.								
			216.00 216.40 Ultramafic volcanic, sito, upper contact irregular approximately 75 dca, lower contact at 65 dca.								
216.90	223.47		ULTRAMAFIC VOLCANIC GREY CARBONATE								
			ULTRAMAFIC VOLCANIC/GREY CARBONATE?.								
			216.90 223.47 Fine-grained, grey, light greenish grey, massive, moderately hard, chloritized, carbonatized, locally silicified and occasionally weakly fuchsitic, generally carbonate-quartz and quartz stringers and masses up to 5 %, locally zones of silicification as crosscutting narrow stringers, mostly quartz stringers at 50 - 60 dca.	670570	217.00	218.00	1.00	.740		.022	
				670571	220.00	221.00	1.00	.380		.011	
			221.45 221.52 Quartz vein, white, fractured with chl/ser fracture-filling, brecciated on lower contact, lower contact approximately 80 dca, lower contact brecciated.								
			Lower contact 70 dca.								
223.47	226.56		QUARTZ FELDSPAR PORPHYRY								
			QUARTZ FELDSPAR PORPHYRY.								
			223.47 226.56 Fine-grained matrix with quartz 30 - 40 % and feldspar phenocrysts 60 - 70 % both 3 - 5 mm, grey, light grey, locally light yellowish grey due to sericitization, weakly fractured with chlorite fracture-filling, quartz veining as narrow grey cherty stringers and veinlets 1 - 3 % for unit, combined irregular, locally at 75 - 80 dca, trace disseminated pyrite.								
			225.75 225.98 Ultramafic volcanic, grey carbonate, sito as 216.9 to 223.47, upper contact 70 dca, lower contact irregular approximately 80 dca.								
			Lower contact 70 - 75 dca.								
226.56	229.99		QUARTZ FELDSPAR PORPHYRY								
			FELSIC INTRUSIVE DYKE/SERICITIC QUARTZ FELDSPAR PORPHYRY.								
			226.56 229.99 Fine to medium-grained, light greenish grey, yellowish grey and light grey, strong sericitized and silicified, quartz and feldspar phenocrysts and wisps of chloritized	670572	228.00	230.00	2.00	.050		.001	

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			dark coloured MINERALS, occasionally (2 - 3) INSIDE white quartz MASSES SMALL INCLUSIONS OF FUCHSITIC ultramafic volcanic, disseminated very fine-grained pyrite approximately 1 %. Lower contact 70 dca.								
229.99	241.60		CONGLOMERATE CONGLOMERATE 229.99 235.78 bx/conglomerate, dark greenish grey, locally small fragments yellowish greenish grey and brownish greenish grey, fragmental with chlorite 20 % and sericite 80 % matrix, foliated, moderately hard to hard, locally soft, carbonatized chloritized, sericitized, occasionally from beginning of unit fuchsitic, for unit quartz 80 - 85 %, trace pyrite, occasionally pyrite masses as irregular bands, occasionally white quartz eyes and round fragments.	670573	232.00	234.00	2.00	.460		.013	
			233.78 234.37 Quartz feldspar porphyry, aphanitic with quartz and feldspar phenocrysts, PURPLE grey, fractured with chlorite fracture-filling, trace pyrite, upper contact irregular approximately 80 - 85 dca, lower contact broken.	670574	235.00	237.00	2.00	.060		.002	
			235.25 235.78 Quartz feldspar porphyry, sito as from 233.78 to 235.78, both contacts irregular approximately 80 - 85 dca.								
			235.78 236.23 Conglomerate, light grey, yellowish grey silicified matrix and greyish white quartz PEBBLES various from 1 - 3 mm to 1 - 1.5 cm, weakly fractured with chlorite fracture-filling, occasionally scattered patches of sericitized material, trace pyrite, lower contact sharp and irregular approximately 80 dca.								
			236.23 241.60 Conglomerate, dark grey, grey, locally yellowish and greenish grey, serc/chlc matrix 40 - 50 % and quartz pebbles, quartz and porphyry fragments 50 - 60 %, trace disseminated pyrite.	670575 670576	237.00 238.00	238.00 240.00	1.00 2.00	.000 .050		.000 .001	
			239.10 239.33 Quartz vein, PURPLE brownish grey quartz masses, weakly fractured and brecciated with white irregular quartz stringers, upper contact approximately 50 dca, lower contact irregular approximately 60 dca.								
241.60	267.00		TALC-CHLORITE SCHIST TALC CHLORITE SCHIST 241.6 267.0 bluish black, black, soft, locally foliated, with irregular quartz veining up to 1 % and irregular quartz greyish and white fragments, trace pyrite for unit, locally pyrite blebs up to 1.5 cm and cubes up to 1 %. Lower contact 50 dca.								
267.00	272.70		MAFIC DYKE MAFIC DYKE (DIABASE?). 267.00 272.70 Fine-grained, dark greenish grey, brownish grey, mottled, locally up to 1 m numerous feldspar wisps as combined for variolitic basalt, massive, but due to oxidation LOOK AS FINELY BANDED, hard, locally moderately hard, magnetic, OXIDIZED, chloritized, weakly carbonatized, pyrite cubes and blebs, disseminated pyrite up to 1 %, magnetite as anhedral crystals and hairline fracture-filling approximately 1 - 3 % up to 5 %, visible banding from 20 to 45 dca, irregular carbonate-quartz veining mostly at shallow angles, very seldom at 70 - 80 dca, generally as narrow 2 - 3 mm stringers approximately 10 % for unit. Lower contact 50 dca.								
272.70	287.63		TALC-CHLORITE SCHIST TALC CHLORITE SCHIST. 272.70 287.63 Sito as from 241.6 to 267.0, but generally light bluish grey. Lower contact irregular approximately 20 dca.								
287.63	298.80		MAFIC DYKE MAFIC DYKE (DIABASE?). 287.63 298.80 Sito as from 267.0 to 272.7, but non-magnetic and much less oxidized, locally as TUFF with rounded grey material and ringed with light grey quartz. 294.35 295.06 Quartz-carbonate vein, greyish white, fractured with chlorite fracture-filling, locally inclusions and remnants of wallrock, trace pyrite, upper contact irregular approximately 25 dca, lower contact irregular approximately 10 dca. Lower contact 10 - 12 dca.								
298.80	409.30		TALC-CHLORITE SCHIST TALC CHLORITE SCHIST. 298.80 409.30 Fine-grained, black, grey, bluish grey, light bluish grey, massive, locally foliated, soft, carbonatized, chloritized, locally talcose and silicified, irregular quartz-carbonate and carbonate-quartz veining 5 - 7 %, occasionally talc/carbonate/qtz masses, pyrite blebs and cubic pyrite 1 - 2 % for unit, locally 3 - 5 %. 313.95 314.26 Quartz vein, aphanitic, mottled : pinkish, greenish grey, fractured with chlorite fracture-filling and small inclusions of wallrock, trace pyrite, upper contact 50								

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			dca, lower contact irregular approximately 45 - 50 dca.								
			314.34 314.40 Quartz vein, sito, but more uniform, upper contact 85 dca, lower contact 80 dca.								
			315.45 322.98 Quartz feldspar porphyry, coarse-grained to pegmatitic, mottled with pinkish potassium feldspar up to 4 cm in diameter and light bluish grey qtz/feld matrix, vuggys with small 2 - 3 mm quartz crystals and very seldom pyrite, chalcopyrite, occasionally light greenish anhedral apatite in matrix, upper contact irregular approximately 80 dca, lower contact irregular with numerous talc chloirite SCHIST INCLUSIONS approximately 85 - 90 dca.								
			323.53 323.96 Quartz feldspar porphyry, medium-grained to coarse-grained, light PURPLE grey, massive, trace disseminated pyrite, upper contact 60 dca, lower contact irregular approximately 80 dca.								
			332.00 332.30 Talc chlorite schist - fault, strong foliated and fractured, upper contact broken, lower contact 50 dca.								
			333.67 333.75 Talc chlorite schist - fault, sito, upper contact 90, lower contact 60 dca.								
			356.90 357.00 Talc chlorite schist, massive, with irregular quartz patches, pyrite blebs, cubic pyrite and disseminated pyrite up to 5 - 7 % in wallrock.								
			372.50 372.76 Talc chlorite schist, shearing zone with fault mud 2 cm on lower contact, shearing at approximately 60 dca.								
			390.50 409.30 Talc chlorite schist, dark greenish grey, fine-grained, soft, locally moderately soft UE to silicification, schistosity - underlined by quartz-carbonate and carbonate-quartz irregular veining at approximately 50 - 60 dca, veining as irregular hairline fracture-filling and stringers - 25 - 30 % for unit.								
			402.00 405.00 Talc chlorite schist locally with scattered patches from 10 to 20 cm of brownish grey porphyry.	670577 670578 670579	402.00 403.00 409.00	403.00 405.00 411.00	1.00 2.00 2.00	.160 .060 .100		.005 .002 .003	
			Lower contact 50 dca.								
409.30	417.89		ULTRAMAFIC VOLCANIC ULTRAMAFIC VOLCANIC.								
			409.30 414.50 Brownish grey, dark greenish grey, massive, moderately soft, magnetic, chloritized, carbonatized, locally talcose, quartz veining as irregular greenish grey quartz stringers crosscutting by white quartz 1 - 3 mm up to 2 - 3 cm and greyish quartz-carbonate stringers, pyrite blebs and disseminated pyrite up to 1 % for unit, lower contact broken.								
			414.50 417.89 Talc chlorite schist, fault zone, aphanitic to fine-grained, dark greenish grey, black, fragmental, soft, non-magnetic, locally weakly magnetic, chloritized, carbonatized, occasionally talcose, irregular hairline quartz-carbonate crackles 1 - 3 %, strong foliated and fractured, trace pyrite.								
			414.50 414.54 FAULT GOUGE, upper contact broken, lower contact 50 - 55 dca.								
			414.54 414.75 Quartz feldspar porphyry, aphanitic to fine-grained, mottled, brownish, reddish grey, massive, very weakly fractured with chlorite fracture-filling, trace disseminated pyrite, upper contact 50 - 55 dca, lower contact 55 dca.								
			415.04 415.60 Felsic porphyry, fine-grained, PURPLE grey, massive, weakly fractured with chlorite and quartz hairline fracture-filling, weakly brecciated on upper contact with remnants of talc chlorite schist, trace disseminated pyrite, upper contact irregular 50 dca, lower contact 45 dca.								
			416.51 416.68 FAULT GOUGE in talc chlorita schist and in diabase, upper contact approximately 60 dca, lower contact approximately 55 dca.								
			416.59 417.00 Diabase, fine-grained, black, dark grey, massive, moderately hard, magnetic, chloritized, carbonatized, locally very weakly potassium feldspathization, weakly fractured with hairline carbonate-quartz fracture-filling, talcose on lower contact, upper contact irregular approximately 30 - 35 dca, lower contact 40 - 45 dca.								
			417.00 417.05 FAULT GOUGE and mud, upper contact 40 - 45 dca, lower contact gradual to the strong folded, vuggy talc chlorite schist.								
			417.34 417.48 Diabase, fine-grained, brownish grey, weakly bleached on upper contact, some phenocrysts of chloritized dark coloured minerals 1 - 2 mm, massive, occasionally hairline crackles with carbonate fracture-filling, magnetic, moderately hard, chloritized and moderately carbonatized, upper contact 65 dca, lower contact in opposite direction 70 dca.								
			417.48 417.89 Talc chlorite schist, very strong folded and fractured as series of parallel crackles at 60 - 70 dca, from 417.72 - vuggy FAULT GOUGE and mud, lower contact 60 dca.								
417.89	511.98		DIABASE DYKE DIABASE.								
			417.89 418.70 Diabase - transition zone, fine to medium-grained, light brownish grey, pinkish grey, massive, hard, magnetic, very weakly epidotized and potassium feldspathized, locally epidotized feldspar phenocrysts.								

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			418.70 473.00 Diabase, coarse-grained, pinkish grey, locally grey, diabase texture, locally ophitic, hard, becoming strong magnetic, uniformly potassium feldspathized, locally to strong as pinkish spots up to 10 cm long, occasionally very weakly chloritized and epidotized, combined cooling crackles at shallow 5 - 10 dca and mostly at 35 - 45 dca 1 - 3 mm wide and filled up by talc/chl masses, locally magnetite dendritic blebs up to 1 - 2 cm in diameter, generally magnetite 5 - 10 % for unit, trace pyrite								
			473.00 498.00 DIABASE DYKE becoming more coarse-grained, uniform with gabbroic texture. Weakly to poor potassium feldspathized and chloritized, magnetite DENDRITIC blebs combined 1 - 1.5 mm and fine-grained MAGNETITE up to 20 - 25 %, trace pyrite.								
			498.00 505.00 DIABASE DYKE, sito as 473.0 498.0, but APPEAR to BE coarse-grained and only locally PEGMATITIC.								
			505.00 511.98 Dia/transition zone, similar to as 417.89 to 418.7, but less altered and contains much more cooling crackles at various angle, lower contact 55 dca.								
511.98	516.55		MAFIC TUFF MAFIC TUFFACEOUS PYROCLASTIC VOLCANIC.								
			511.98 516.55 Aphanitic, locally fine-grained, mottled : black with light grey scattered patches irregulary banded with strong magnetic black masses (magnetite), generally changing from hairline dendritic crackles up to 1 - 2 cm wide uniform bands, locally euhedral MAGNETITE CRYSTALS up to 1 - 1.5 cm to light grey scattered PATCHES very weakly EPIDOTIZED and sericitized, locally from 512.4 to 512.65 pyrrhotite blebs 1 - 2 cm in diameter and fine-grained disseminated pyrrhotite up to 1 - 1.5 %.	670580	512.00	513.00	1.00	.050		.001	
			Lower contact irregular 40 dca.								
516.55	542.20		DIABASE DYKE DIABASE.								
			516.55 542.20 Aphanitic to fine-grained, black, diabase texture, hard, strong magnetic, with numerous xenoliths or inclusions of grey fine-grained, hard, strong magnetic diabase, all unit weakly chloritized and feldspathized, lower contact gradual to the medium-grained diabase.								
			541.63 542.20 DIABASE DYKE, medium-grained, locally porphyroblastic, PINKISH grey, grey, diabase texture, hard, magnetic, occasionally strong magnetic, potassium FELDSPATHIZED carbonatized, weakly chloritized, occasionally PINKISH PORPHYROBLASTS CONSIST OF POTASSIUM feldspar and grey anhedral quartz INSIDE, in some casses porphyroblasts are represented by weakly EPIDOTIZED PLAGIOCLASE to from 541.63 to 542.2 DIABASE DYKE becoming fine-grained, less feldspathized and more carbonatized, locally carbonate wisps 1 - 2 mm up to 1 %.								
			Lower contact 35 dca.								
542.20	625.64		TALC-CHLORITE SCHIST TALC CHLORITE SCHIST.								
			542.20 556.50 Fine-grained, black, bluish black, massive, locally foliated, soft, weakly magnetic, locally to strong magnetic, chloritized, carbonatized, talcose and serpentized, very poor veining as hairline quartz-carbonate stringers and veinlets 0.5 %, trace pyrite, chalcopyrite to anhedral and euhedral up to 1 - 1.2 cm fine-grained pyrrhotite and pentlandite 1 % for unit, locally (from 548.65 to 548.9) up to 2 - 3 %, schistosity approximately 30 - 35 dca, lower contact gradual.	670694	544.00	545.00	1.00	.000		.000	
				670695	545.00	547.00	2.00	.060		.002	
				670696	547.00	548.00	1.00	.040		.001	
				670581	548.00	550.00	2.00	5.093	■	.149	■
				670697	550.00	551.00	1.00	.000		.000	
				670698	551.00	553.00	2.00	.000		.000	
				670699	553.00	554.00	1.00	.000		.000	
				670700	554.00	556.00	2.00	.000		.000	
			556.50 576.00 Talc chlorite schist, sito, but light bluish grey, contain much more carbonate-quartz and quartz-carbonate irregular masses, stringers, veinlets mostly along schistosity approximately 30 dca, much less serpentinized, trace pyrite, chalcopyrite, pyrrhotite and pentlandite up to 1 % for unit, locally 1 - 2 %.								
			572.40 572.89 Magnetite/carbonate scarnoide, light grey, moderately hard, strong magnetic, upper contact 35 dca, lower contact 35 dca.								
			576.00 609.00 Talc chlorite schist, sito, but overall for unit occasionally pyrite cubes 1 - 1.5 cm, pyrite blebs, fine-grained pyrite and much less PENTLANDITE - PYRRHOTITE euhedral CRYSTALS up to 0.5 - 0.7 cm, schistosity VARY from 30 dca to 60 dca, but mostly at 35 dca, locally irregular quartz stringers and veinlets at various angles 30 - 50 dca.								
			609.00 625.64 Talc chlorite schist, sito, much more silicified as irregular quartz-carbonate and mostly carbonate-quartz irregular stringers and masses up to 15 - 20 %, locally irregular folded carbonate-quartz veinlets parallel to core axis, mineralization, sito above.	670582	623.00	624.00	1.00	.000		.000	
			623.45 625.64 Fine-grained, black, massive, soft, non-magnetic, chloritized, carbonatized, locally talcose, irregular quartz-carbonate veining at various angles 20 - 25 dca, locally brecciated, occasionally scattered patches of weakly feldspathized quartz porphyry, pyrite blebs and cubes up to 2 mm, fine-grained disseminated pyrite and pyrite	670583	625.00	627.00	2.00	.000		.000	

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			masses 1 - 3 % for unit. Lower contact broken approximately 30 - 40 dca.								
625.64	632.50		QUARTZ FELDSPAR PORPHYRY QUARTZ FELDSPAR PORPHYRY. 625.64 632.50 Fine-grained, matrix with quartz phenocrysts 1 - 2 mm and feldspar phenocrysts up to 5 mm (together 80 - 85 % of total volume), light grey 1 m wide contact zones and grey central part, weakly magnetic, chloritized, weakly sericitized, potassium feldspathized, in central part weakly hematitized generally along fracturing, euhedral and anhedral pyrite up to 2 mm 1 % for unit, magnetite cubes and small blebs approximately 1 - 2 % for unit. Lower contact 20 - 25 dca.	670584	631.00	632.00	1.00	.000		.000	
632.50	636.20		TALC-CHLORITE SCHIST TALC CHLORITE SCHIST. 632.50 636.20 Sito as from 576.0 to 609.0, badly broken core. Lower contact broken.								
636.20	639.61		QUARTZ FELDSPAR PORPHYRY QUARTZ FELDSPAR PORPHYRY. 636.20 639.61 Fine-grained, light grey matrix with mainly euhedral feldspar phenocrysts up to 4 mm long and much less euhedral quartz phenocrysts 1 - 2 mm in diameter, dark coloured minerals, probably, hornblende AND BIOTITE COMPLETELY chloritized, hard, non-magnetic, trace pyrite. Lower contact 35 dca.	670585	638.00	639.00	1.00	.000		.000	
639.61	651.80		TALC-CHLORITE SCHIST TALC CHLORITE SCHIST. 639.61 651.80 Aphanitic to fine-grained, dark bluish grey, bluish black, black, locally light grey due to appearing carbonate/qtz metasomatic MATERIAL, massive, soft, non-magnetic, carbonatized, chloritized, talcose, locally METASOMATIC MATERIAL weakly POTASSIUM FELDSPATHIZED, veining as irregular cbg, carbonate quartz stringers and veinlets at different ANGLES 10 - 12 %, locally veining underline schistosity which are at 30 - 40 dca, euhedral pyrite, much less pyrite blebs and disseminated fracture-filling pyrite less 1 % for unit, locally euhedral pyrite up to 2 - 3 cm. 645.24 645.33 Carbonate-quartz vein, coarse-grained, pinkish white, white, massive, locally porphyritic, very weakly feldspathized, euhedral pyrite up to 3.0 - 3.5 cm and much less anhedral pyrite 10 - 12 %, upper contact and lower contact at 30 - 35 dca.	670586	644.00	646.00	2.00	.000		.000	
651.80			END OF HOLE CORE STORED ON STOCK MINE PROPERTY.								

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use): 98160.00183
Assessment Files Research Imaging

42A10SE2002 2.18307 STOCK 900

y of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the to review the assessment work and correspond with the mining land holder. ıg Recorder, Ministry of Northern Development and Mines, 6th Floor,

Instructions: - For work performed on Crown Lands before **recording** a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name: St. Andrew Goldfields Ltd	Client Number: 196705
Address: RR#2 Matheson Ontario, P0K 1N0	Telephone Number: 705-273-2323
	Fax Number: 705-273-3333
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☐ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☑ Physical: drilling, stripping, trenching and associated assays ☐ Rehabilitation

		Office Use
Work Type: diamond drilling		Commodity
		Total $ Value of Work Claimed: $ 107,213
Dates Work Performed: From 5 (Day) 7 (Month) 97 (Year) To 5 (Day) 8 (Month) 97 (Year)		NTS Reference
Global Positioning System Data (if available)	Township/Area: Stock	Mining Division: Timmins
	M or G-Plan Number: G-3248	Resident Geologist District: Timmins

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: Bryan McKay	Telephone Number: 705-273-2525
Address: RR#2 Matheson	Fax Number: 705-273-3333
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

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RECEIVED MAR 6 1998 3:55pm PORCUPINE DIVISION

4. Certification by Recorded Holder or Agent

I, KIAN A. JENSEN (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Kian A. Jensen (Agent)		Date: March 6/98
Agent's Address: RR#2 Matheson, ONT, P0K 1N0	Telephone Number: (705) 273-2525	Fax Number: (705) 273-3333

Deemed - Acc 04/98

Ontario Ministry of Northern Development and Mines

Schedule for Declaration of Assessment Work on Mining Land

Transaction Number (office use): W9860.00183

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
1223794	4	0	$1,600	0	0
Column Totals		0	$1,600	0	0

0290 (02/96)

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PORCUP... DIVISION

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.29,600

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W9860.00183

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
diamond drilling	1423.8m @ 70.30	70.30/m	101,092
	geologist	200/day	5,101
	essays	12/sample	1,020
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
		Total Value of Assessment Work	107,213

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MAR - 9 1998 10A
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Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK	x 0.50 =	Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, KIAN A. JENSEN (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work Forms. Kian Jensen (Agent) (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

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MAR 6 1998 C
3:55 PM H
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Signature	Date
Kian Jensen	March 6/98

0212 (03/97)

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

June 12, 1998

K. A. Jensen
ST. ANDREW GOLDFIELDS LTD.
166 PEARL STREET
TORONTO, Ontario
M5H-1L3

Dear Sir or Madam:

Submission Number: 2.18307

Subject: Transaction Number(s):		**Status**
	W9860.00183	Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jeromel2@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 12419

Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18307

Date Correspondence Sent: June 12, 1998 **Assessor:** Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00183	1177841	STOCK	Deemed Approval	June 04, 1998

Section:
16 Drilling PDRILL

Correspondence to:
Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
K. A. Jensen
ST. ANDREW GOLDFIELDS LTD.
TORONTO, Ontario

STEPHEN JOHN WALASEK
MATHESON, ONTARIO

PATRICK LEN GRYBA
TIMMINS, Ontario

GEORGES FOURNIER
TIMMINS, Ontario

Correspondence ID: 12419

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M.+ S. – MINING AND SURFACE RIGHTS

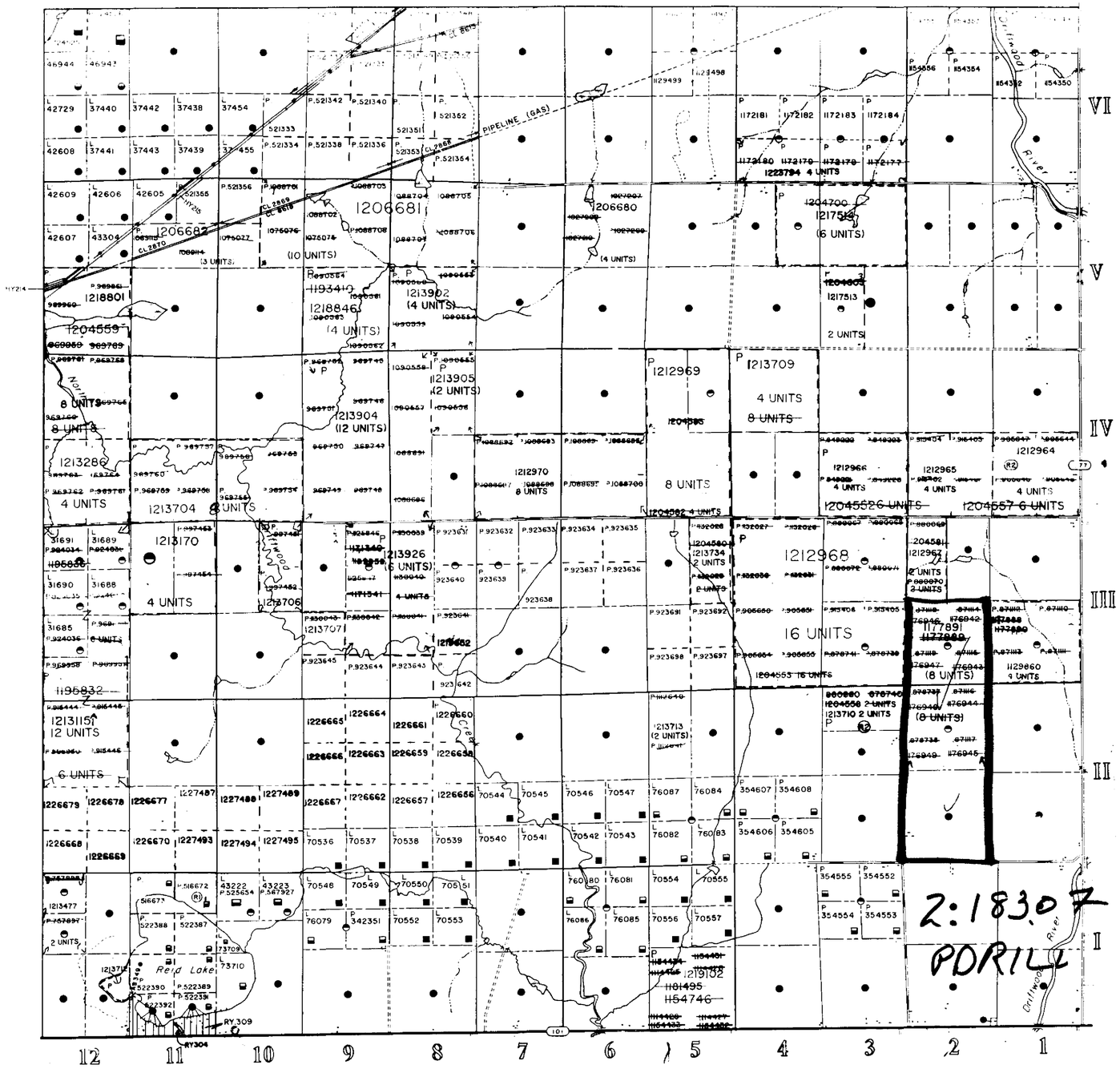
Description	Order No.	Date	Disposition	File
Reserve for recreational purposes				
Under Sec. 3 P.L.A.				
Application pending under ... for surface rights				

(1) THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1994/95 FURTHER INFORMATION AVAILABLE ON FILE.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

42A10SE2002 2.18307 STOCK 200

CLERGUE TWP.



GERMAN TWP.

TAYLOR TWP.

BOND TWP.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	◧
" , MINING RIGHTS ONLY	◧
LICENCE OF OCCUPATION	⚒
ORDER-IN-COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	⊗
SAND & GRAVEL	Ⓢ

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

TOWNSHIP

STOCK

DATE OF ISSUE MAY 5 1998 PROVINCIAL RECORDING OFFICE - SUDBURY

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

2:18307 PORIL

Ontario Ministry of Natural Resources — Land Management Branch

Date	Number
MARCH, 1985	G-3248
ACTIVATED APR. 25/90 D.C.	

1223794
4 units

1217514
6 units

1217513
2 units

1212969
8 units

1213709
4 units

1212970
8 units

1212966
4 units

1212965
4 units

1212964
4 units

1213734
2 units

1212968
16 units

1212967
2 units

1177891

1129860
4 units

1213713
2 units

8 units

15+00N

10+00N

S97-8A

S97-8

5+00N

S97-9

0+00

2+00E

4+00E

6+00E

8+00E

Driftwood River

Reid Lake

Stock Taylor

Bond Currie

42A10SE2002 2.18307 STOCK 210

LEGEND

S97-8 — DDH: location & hole number

Property boundary

Patent claims: Stock Township:
N & S 1/2 Lot 2 Con II:
source of assessment work.
Patent #: 1460
Parcel #: 18844

Staked claims: Stock Township:
78 units as shown
destination of assessment work.

Note: DDH S97-8 is 300 meters west and 150 meters south of the northeast corner of S1/2 Lot 2 Con II.
DDH S97-9 is 300 meters west and 750 meters south of the northeast corner of S1/2 Lot 2 Con II.
DDH S97-8 is 726.0 meters in length and dips -50 °.
DDH S97-9 is 651.8 meters in length and dips -68 °.
DDH S97-8A: collar & dip as S97-8 and is 41.0 m in length.
Hole azimuths are 360°.

Assays > 1.00 grams per tonne:

S97-9	81.0	82.0	1.90
	123.0	125.0	1.72
	144.0	146.0	1.80
	192.0	194.0	12.39
	548.0	550.0	5.09

12°

Scale:
0 500 1000 1500 2000 m

ST ANDREW GOLDFIELDS LTD.

Stock East Project
Plan View: DDH S97-8, 8A & 9

FILE NAME: seplan.dwg
DATE: 30 Feb 1998

Patent 1177891

6+00N 7+00N 8+00N 9+00N 10+00N 11+00N

0+00m
-1+00m
-2+00m
-3+00m
-4+00m
-5+00m

0.0W
EOH 46.0m S97-8A
AG
EOH 726.00m S97-8

LEGEND

CAS – Casing

AG – Argillite-Greywacke

Assays: grams per tonne (gpt)
Assays below 0.0200 gpt are not plotted.
Histogram: 1cm = 4gpt
Maximum length = 12.000 gpt
Red = >3.000 gpt

50 0 50 100
meters

Collar is in S1/2 Lot 2 Con II Hole azimuth: 360°

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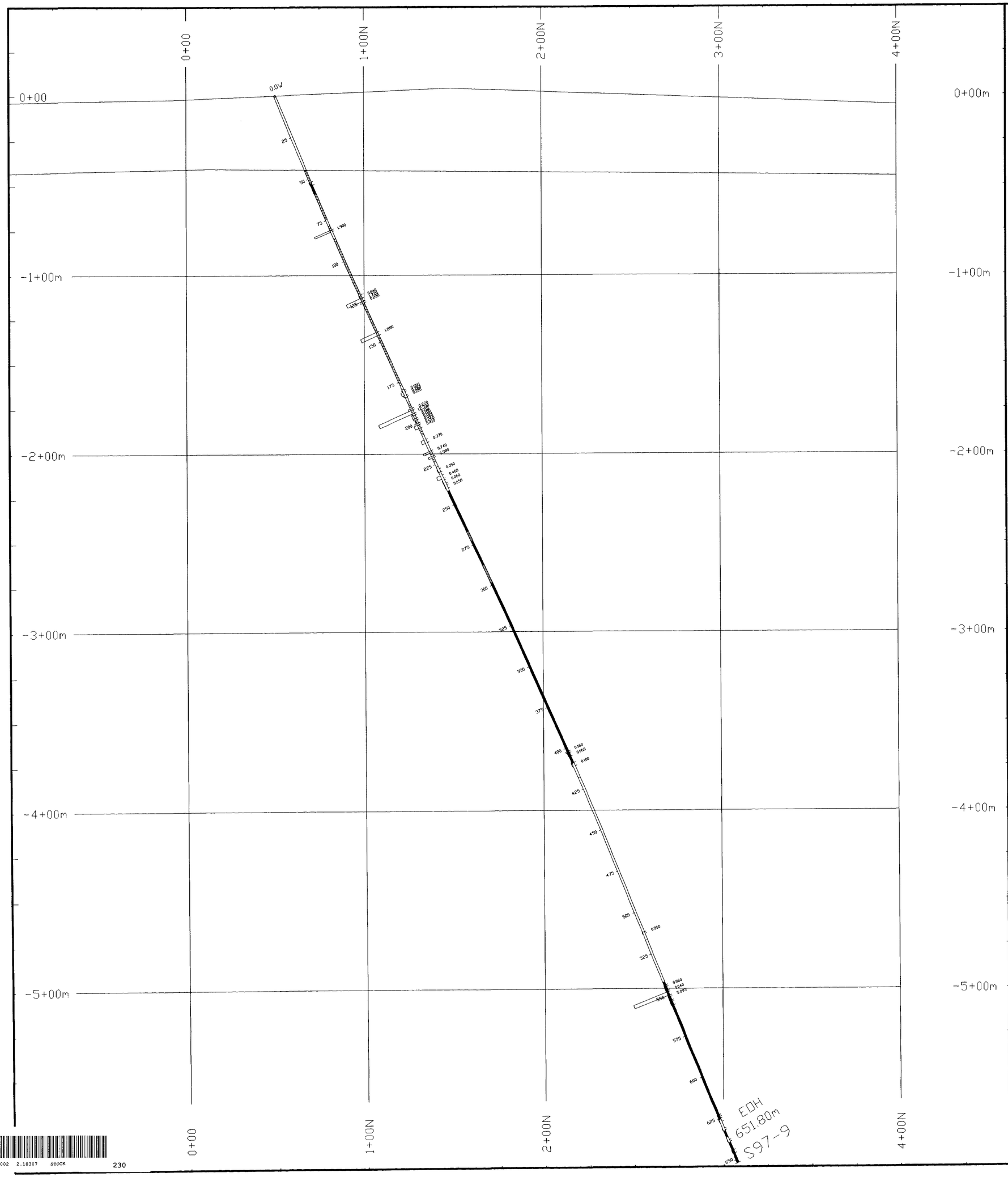
ST ANDREW GOLDFIELDS LTD.

DDHs S97-8 (looking west)

FILE NAME: S97-8.dwg

DATE: 27 Jan 1998



LEGEND

- CAS - Casing
- MMV - Massive Mafic Volcanic
- PMV - Pillowed Mafic Volcanic
- BMV - Bleached Mafic Volcanic
- VMV - Variolitic Mafic Volcanic
- MUM - Massive Ultramafic
- TP - Tuffaceous Pyroclastic
- CMV - Carbonated Mafic Volcanic
- CTP - Carbonated Tuffaceous Pyroclastic
- GGC - Grey-Green Carbonate
- GNC - Green Carbonate
- GYC - Grey Carbonate
- GYBX - Grey Carbonate Breccia
- GYS - Silicified Grey Carbonate
- GQBX - Green Carbonate + Quartz Breccia
- GFRM - Green Carbonate Fragmental
- AGC - Apple Green Carbonate
- MCZ - Mixed Carbonate Zone
- TCS - Talc-Chlorite Schist
- CTCS - Carbonatized Talc-Chlorite Schist
- STCS - Silicified Talc-Chlorite Schist
- GWKE - Greywacke
- AG - Argillite-Greywacke
- ARK - Arkose
- CONG - Conglomerate
- ALB - Albitite
- PDIA - Poikiloblastic Diabase
- FDIA - Fine-Grained Diabase
- CDIA - Medium-Coarse-Grained Diabase
- MD - Mafic Dyke
- GAB - Gabbro
- LAMP - Lamprophyry
- GFP - Grey Feldspar Porphyry
- PFP - Pink Feldspar Porphyry
- BFP - Pale Brown Feldspar Porphyry
- GNQP - Pale Green Quartz Feldspar Porphyry
- PQFP - Pink Quartz Feldspar Porphyry
- GQFP - Grey Quartz Feldspar Porphyry
- BQFP - Buff Quartz Feldspar Porphyry
- ID - Intermediate Dyke
- FELS - Felsic Dyke
- FZ - Fault Zone
- SZ - Shear Zone
- QV - Quartz Vein

Assays: grams per tonne (gpt)
Assays below 0.5000 are not plotted.
Histogram: 1cm = 4gpt
Maximum length = 12.000 gpt
Red = >3.000 gpt

50 0 50 100
meters

Hole is in S1/2 Lot 2 Con II

Hole azimuth: 360°

ST ANDREW GOLDFIELDS LTD.

DDHs S97-9 (looking west)

FILE NAME: S97-9.dwg

DATE: 27 Jan 1998