Technical Submission and Documentation

February 12, 1993

Re: 1992 OMIP APPLICATION FOR GRANT

OMIP DESIGNATION NUMBER OM92-094

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EXECUTIVE SUMMARY

In 1992 our Application for Designation under the Ontario Mineral Incentive Program (OMIP) was approved for a maximum grant amount of $300,000 based on a budgeted total expense of $967,315.

This amount was approved for exploration of the N2 and West Zones by means of: underground ramping, drill access development and diamond drilling.

The work done in 1992 is summarized in the table below:

Underground Exploration Done in 1992

Activity	Headings/Holes	Footage	Cost
Development	4	2,516	1,078,198
Diamond Drilling	79	16,918	229,265
		Total Cost	1,307,463

The 1992 underground program was very successful. Ore was found in both zones. The West Zone proved to be far better than drill indicated. The mine's overall ore reserves were increased by 392,228 tons thereby ensuring survival for at least the near term.

Underground exploration and development are continuing in both zones, in 1993. Priority is being given to the West Zone since geologic correlation has been established with previously drilled surface holes in the immediate area.

INTRODUCTION

This report is to accompany the OMIP Application for Grant regarding designated program number OM92-094.

The report consists of a technical description of the exploratory work done in 1992 along with a discussion of results attained and also conclusions and recommendations for future work.

Supportive documentation is presented in the appendices and is comprised of: Accounting Cost Breakdowns, Drill Logs, and Plans and Sections, showing workings and drill hole locations.

Location and claim maps follow in Figures 1 and 2, respectively.

OBJECTIVES OF PROGRAM

The fundamental objective of the 1992 underground exploration was to find new ore to replace rapidly depleting reserves. In order that the mining operation and company would be sustained.

To achieve this objective, exploration was carried out simultaneously on two fronts, the N2 Zone and the West Zone. This exploration consisted of underground development and follow-up diamond drilling.

In the case of the N2 Zone, the objective was to explore, by diamond drilling, for the downward continuation of the auriferous, pyritic porphyries and associated pyritic carbonates. Only two, very widely spaced, drill holes had been previously drilled below the 7th Level.

The objective, in the case of the West Zone, was to directly access the zone to confirm the presence and extent of a gold bearing unit which had been drill-indicated by three widely spaced diamond drill holes. A secondary objective, of the West Zone exploration thrust, was to explore for other en echelon, plunging gold-bearing systems, between the N2 and West Zones.

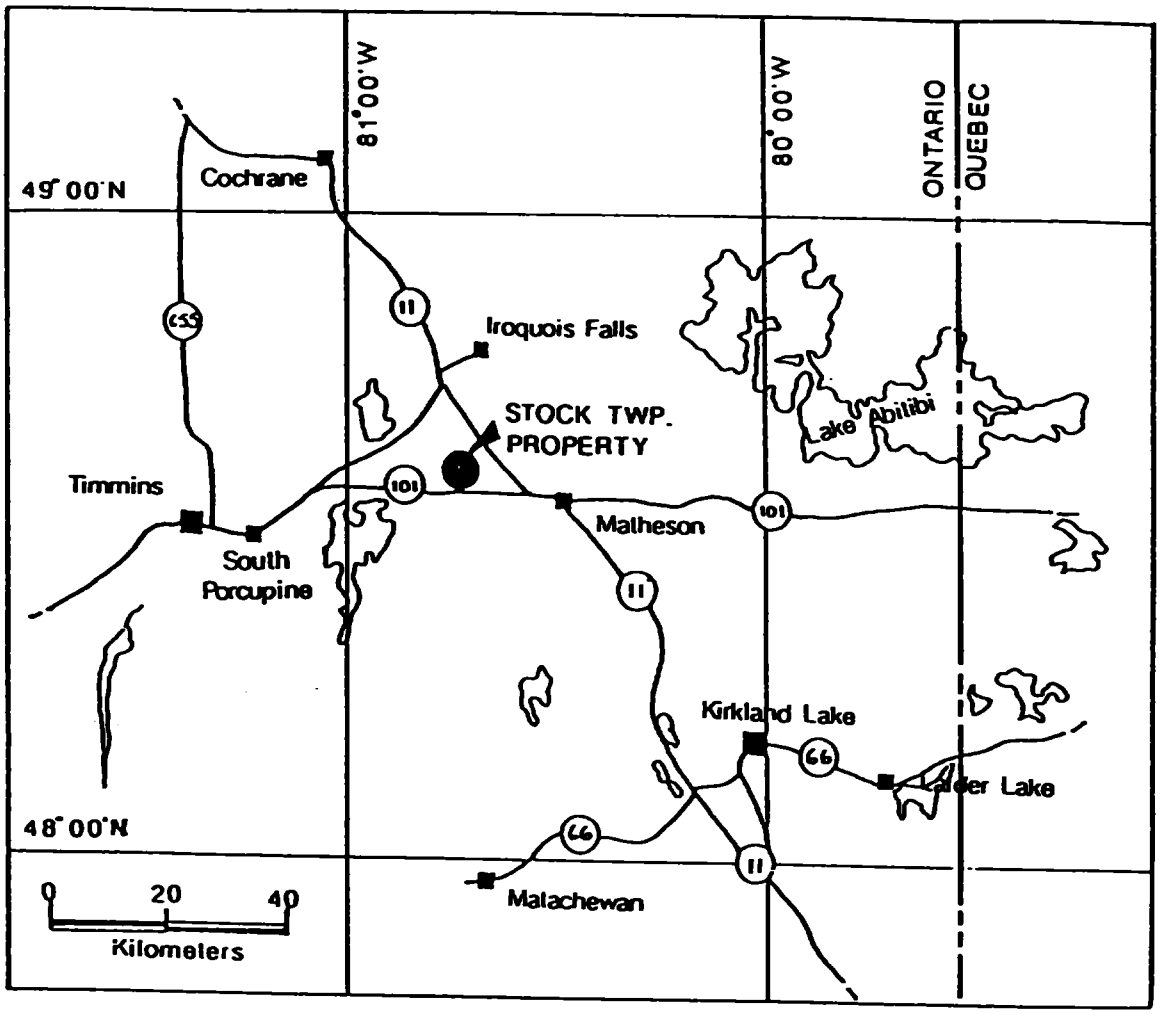


FIGURE 1: GENERAL LOCATION PLAN OF THE STOCK TOWNSHIP PROPERTY OF ST ANDREW GOLDFIELDS LTD.

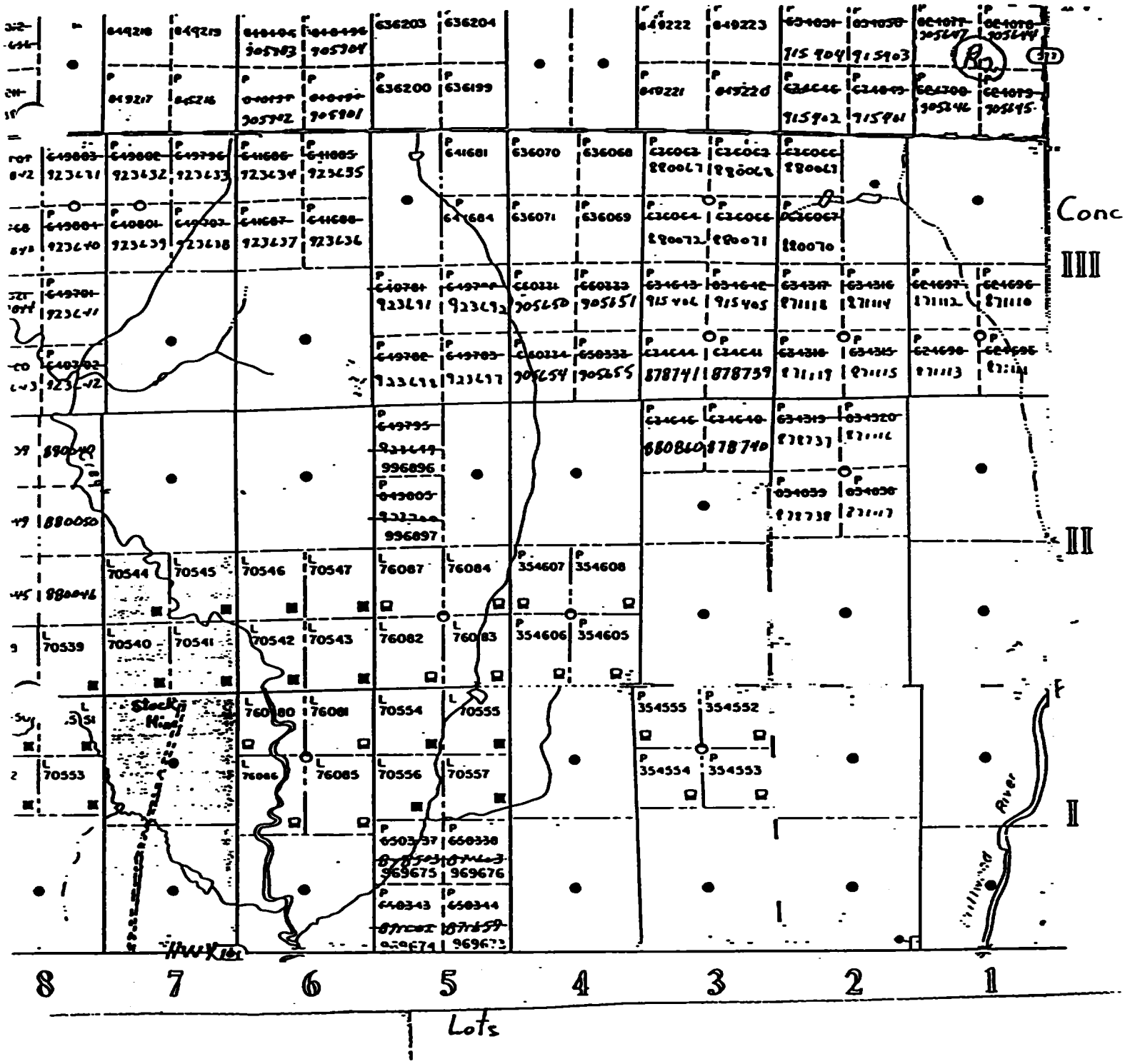


Figure 2: Partial Claim Map - Stock Township

WORK DONE

All underground development work, in 1992, was done by Mindecon Inc., a mining contractor, and diamond drilling was done by Mindecon Inc. and Heath and Sherwood Drilling (1986) Limited.

The underground exploratory development is detailed in Table 1 and the exploratory diamond drilling is detailed in Table 2, that follow. The maps and sections in the appendices depict the locations of the workings and diamond drill holes. Costs are broken down in Appendix A.

WORK DONE - N2 ZONE

To facilitate deep drilling below the N2 Zone, the 732 Exploration Drift was established off of the 694 Decline, in the hanging wall of the N2 Zone.

Diamond drilling, in the N2 Zone, consisted of 22 holes, drilled from the 694 Decline and the 732 Drift.

WORK DONE - WEST ZONE

Primary exploration development consisted of the combined 691 Decline, which accessed the West Zone, and the 7 West Drift which advanced parallel to the zone.

The latter half of the 695 Crosscut was completed in the early part of 1992. This working had begun in 1991.

The 448 Exploration Drift was driven on the 4th Level after the West Zone was confirmed on the 7th Level to test for the upward extent of the ore mineralization.

A total of 57 holes were drilled in the West Zone area.

1992 UNDERGROUND EXPLORATION DEVELOPMENT

HEADING	FOOTAGE	DIMENSIONS	REMARKS
448 Explor. Drift	412	9 X 9 ft.	W. Zone Access
691 Explor. Decline and 7 West Drift	1662	10 X 13 ft.	W. Zone Access
695 Explor. Crosscut	125	10 X 13 ft.	N2-W. Zone Access
732 Explor. Drift Access	317	8 X 10 ft.	N2 Drill
TOTAL	2516		

TABLE 1:

SUMMARY OF 1992 DIAMOND DRILLING

HOLE NO.	CONTRACTOR	CORE SIZE	FOOTAGE	LOCATION	TARGET
EXPLORATION DRILLING					
7-06	MINDECON INC.	AQ	103	694 DECLINE	N2 ZONE
7-07	"	"	150	"	"
7-08	"	"	98	"	"
7-09	"	"	100	"	"
7-10	"	"	250	"	"
7-11	"	"	240	"	"
7-12	"	"	80	"	"
7-13	"	"	40	"	"
7-15	"	"	52	"	"
7-16	"	"	140	"	"
7-17	"	"	75	"	"
7-18	MINDECON INC.	AQ	137	691 DECLINE	WEST ZONE
7-19	"	"	100	"	"
7-20	"	"	147	"	"
7-21	"	"	107	"	"
7-22	"	"	161	"	"
7-23	"	"	142	"	"
7-24	"	"	90	"	"
7-25	"	"	175	"	"
7-26	"	"	455	"	"
7-27	"	"	250	"	"
7-28	"	"	205	"	"
7-29	"	"	220	"	"
7-30	"	"	212	"	"
7-31	"	"	190	"	"
7-32	"	"	38	"	"
7-33	"	"	210	"	"
7-34	"	"	210	"	"
7-35	HEATH & SHERWOOD	BQ	400	732 CROSSCUT	N2 ZONE
7-36	"	"	542	"	"
7-37	"	"	538	"	"
7-38	"	"	541	"	"
7-39	"	"	670	"	"
7-40	"	"	926	"	"
7-41	MINDECON INC.	AQ	352	691 DECLINE	WEST ZONE
7-42	HEATH & SHERWOOD	BQ	606	732 CROSSCUT	N2 ZONE
7-43	"	"	493	691 DECLINE	WEST ZONE
7-44	"	"	390	"	"
7-45	"	"	364	"	"
7-46	"	"	511	"	"
7-47	"	"	505	"	"
7-48	"	"	336	"	"

SUMMARY OF 1992 DIAMOND DRILLING

HOLE NO.	CONTRACTOR	CORE SIZE	FOOTAGE	LOCATION	TARGET
EXPLORATION DRILLING					
7-49	"	"	745	"	"
7-50	"	"	400	"	"
7-51	"	"	340	"	"
7-52	"	"	825	"	"
7-53	"	"	417	"	"
7-54	"	"	315	"	"
5-324	MINDECON INC.	AQ	260	448 DRIFT	WEST ZONE
BE-10	MINDECON	EX	85	694 DECLINE	N2 ZONE
BE-11	"	"	78	"	"
BE-12	"	"	65	"	"
BE-13	"	"	62	"	"
BW-01	MINDECON	EX	81	691 DECLINE	WEST ZONE
BW-02	"	"	56	"	"
BW-03	"	"	98	"	"
BW-04	"	"	95	"	"
BW-05	"	"	100	"	"
BW-07	"	"	43	"	"
BW-08	"	"	65	"	"
BW-09	"	"	45	"	"
BW-14	"	"	48	"	"
BW-15	"	"	100	"	"
BW-16	"	"	100	"	"
BW-17	"	"	99	"	"
BW-18	"	"	51	"	"
BW-19	"	"	20	"	"
BW-20	"	"	87	"	"
BW-21	"	"	85	"	"
BW-22	"	"	17	"	"
BW-23	"	"	100	"	"
BW-24	"	"	100	"	"
BW-25	"	"	67	"	"
BW-26	"	"	72	"	"
BW-27	"	"	62	"	"
BW-28	"	"	45	"	"
BW-29	"	"	53	"	"
BW-30	"	"	58	"	"
BW-31	"	"	28	"	"
79			16,712		

Table 2:

RESULTS

The 1992 underground exploration program was very successful in both the N2 and West Zones. The new found ore is highlighted on the mine longitudinal section, in appendix C, in map pocket #1.

RESULTS - N2 ZONE

In the case of the N2 Zone, the ore zone was found to extend down to, at least, half way between the 8th and 9th Levels. Consequently, the N2 Zone ore reserves were augmented by 66,228 tons at 0.159 ounces per ton.

Drilling in the N2 Zone was incomplete since the drill was immediately moved to the high priority West Zone, once access was available. The zone is still open at depth and to the east.

RESULTS - WEST ZONE

Exploration results in the West Zone were especially good. High grade gold was found where only marginal grades had been previously drill - indicated.

The ore zone was found to be 300 feet long with an average width of 28 feet and a steep to moderate dip southward. Underground sampling, on two horizons within the zone, averaged 0.349 o.p.t. with assays cut back to 1.0 o.p.t. This assay cutoff was statistically derived since the historical 0.35 o.p.t. assay cutoff, used in the N2 Zone, was too low.

On the basis of direct visual observation and additional diamond drilling, it was possible to correlate the 7th Level West Zone geology with two deep surface holes, WM-4 and WM-5, which had been previously drilled. Consequently, the West Zone ore reserves have been increased by 326,000 tons. A conservative grade of 0.200 was assigned due to extreme nugget effect in the coarse gold distribution.

In addition, geologic correlation has been made with a Hollinger Gold Mines surface hole, drilled in 1961, located 2,500 feet to the west and onstrike. This hole assayed 0.18 over 25 feet with identical geologic features to that of the West Zone.

AREA BETWEEN N2 AND WEST ZONES

In general, the sericitic horizon, which hosts the West Zone, was found to be lacking in gold, in the area between the N2 and West Zones. However, Hole 7-20, on Section 12+00 West, intersected 0.48 o.p.t. over 12 feet in a swarm of quartz veinlets, within green carbonate. This intersection will be investigated after development is established below the 7th Level in the West Zone.

CONCLUSIONS AND RECOMMENDATIONS

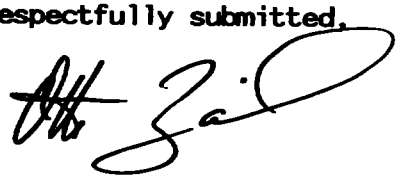
The exploration for new ore in both the N2 and West Zones, which was first begun in 1991, has also proven to be successful in 1992. To further build upon these successes, it has been recommended that exploration of these zones be continued nonstop in 1993.

The West Zone will be given priority and the west drift will be continued westward towards the Hollinger hole, mentioned above. Drilling will be done contemporaneously to determine the dimensions of the West Zone and to search for other plunging systems. This work will be done in essentially virgin ground.

Exploration drilling will also be done from West Zone development below the 7th Level to determine downward extent.

Diamond Drilling is also recommended for the N2 Zone to determine eastward extent and to check for other plunging ore systems. To facilitate this a 300 foot drill crosscut will be required in the vicinity of Section 0+00 West.

Respectfully submitted,



Otto Zavesiczky, B.Sc.
Chief Geologist

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-18

Location:	12+00W	**Bearing:**	/52	**Dip:**	0
Logged by:	Rick Allard	**Elev.:**	9675	**Length:**	137.0'
Started:	March 30/92	**Core:**	AQ		
Finished:	April 3/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	26.0	Sericitic ands: 20% qtz; tr-1% py loc. Good ground
26.0	56.5	Sericitic zone: 20 - 33% qtz; 1 - 6% py locally, Good ground
56.5	87.0	Sericitic/Sph'tic ands: 10 - 20% qtz; tr - 2% py locally good ground
87.0	112.0	Gry/grn carb.: 33 - 40% qtz; tr py Core, broken up!
112.0	137.0	Fault Zone: 20% qtz; Tr py 40% core recovery
	137.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: 7-18

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,403	0.0	5	5	.030	100	Ser. ands	20	Tr 16
12,404	5	10	5	.014	"	"	"	"
12,405	10	15	5	.016	"	"	"	"
12,406	15	21	6	.004	"	"	"	"
12,407	21	26	5	.002	"	"	"	"
12,408	26	31	5	.004	"	Ser'tic Zone:	15-20	Tr 1-3
12.409	31	37	6	.018	"	"	"	"
12,410	37	42	5	.008	"	"	10-15	Tr 1-2
12,411	42	47	5	.004	"	"	"	"
12,412	47	50	3	.040	"	"	20-33	Tr 1-5
12,413	50	54	4	.002	"	"	20	Tr 1-3
12,414	54	56.5	2.5	.002	"	"	"	"
12,415	56.5	62	5.5	.004	"	Ser'tic/Sph. ands;	10-20	Tr 1
12,416	62	67	5	.008	"	"	"	"
12,417	67	72	5	.002	"	"	"	"
12,418	72	76	4	.008	"	"	"	Tr. 2
12,419	76	80	4	.086	"	"	"	"
12,420	80	87	7	.014	"	"	"	"

SAMPLE RECORD SHEET

Hole No.: 7-18

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
2,421	87	90	3	.002	100%	Gry/grn carb	33-40	Tr
2,422	90	92	2	.006	"	"	"	"
2,423	92	97	5	.008	"	"	"	"
2,424	97	102	5	.004	"	"	"	"
2,425	102	106	4	.004	"	"	"	"
2,426	106	112	6	.002	"	"	"	"

END

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-19

Location:	12+0W;1+78N	**Bearing:**	152	**Dip:**	+45
Logged by:	Rick Allard	**Elev.:**	9075	**Length:**	100.0
Started:	April 20/92	**Core:**	AQ		
Finished:	April 22/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	100.0	Sericitic Ands: 20% qtz; tr-2% py loc. - good ground 90.0 - 100.0: 20% core recovery
	100.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: 7-19

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,475	0.0	7	7	.014	80	Ser'tic Ands:	20	tr-2%
12,476	7	12	5	.004	100	"	"	"
12,477	12	17	5	.010	"	"	"	"
12,478	17	22	5	.002	"	"	"	"
12,479	22	27	5	.008	"	"	"	"
12,480	27	32	5	.002	"	"	"	"
12,481	32	37	5	.006	"	"	"	"
12,482	37	42	5	.004	"	"	"	"
12,483	42	47	5	.006	"	"	"	"
12,484	47	52	5	.002	"	"	"	"
12,485	52	57	5	.008	"	"	"	"
12,486	57	62	5	.010	"	"	"	"
12,487	62	67	5	.004	"	"	"	"
12,488	67	72	5	.008	"	"	"	"
12,489	72	77	5	.004	"	"	"	"
12,490	77	80	3	.006	"	"	"	"
12,491	80	90	10	.020	50	"	"	"
12,492	90	100	10	.024	20	"	"	"

E.O.H.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-20

Location:	12 + 00 W	**Bearing:**	152	**Dip:**	-45
Logged by:	Rick Allard	**Elev.:**	9668	**Length:**	147.0
Started:	April 6/92	**Core:**	AQ		
Finished:	April 8/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	29.5	Gry/Grn Carb: 20% qtz; tr-1% py locally Good ground
29.5	40.5	BRN Porphyry: 33 - 66% qtz; 1 - 3% diss'd pyrite Good ground
40.5	96.0	Ser'tic ands/zone: 10 - 25% qtz; 1 - 4% finely diss'd pyrite Good ground
96.0	147.0	Gry/Grn Carb: 20 - 40% qtz; tr-1% pyrite locally. Good ground
	147.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: 7-20

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,427	26	29.5	3.5	.008	100	Gry/Grn carb	20	Tr-1
12,428	29.5	35	5.5	.004	"	Brn por	33-66	1 - 3
12,429	35	40.5	5.5	.006	"	"	"	"
12,430	40.5	44	3.5	.006	"	Ser'tic an/zone	10-25	1 - 2
12,431	44	47	3	.006	"	"	"	"
12,432	47	52	5	.004	"	"	"	"
12,433	52	57	5	.002	"	"	"	"
12,434	57	62	5	.002	"	"	"	1 - 2
12,435	62	67	5	.004	"	"	"	1 - 3
12 436	67	72	5	.002	"	"	"	1 - 3
12,437	72	77	5	.032	"	"	"	"
12,438	77	82	5	.010	"	"	"	1 - 2
12,439	82	87	5	.004	"	"	"	"
12,440	87	91	4	.016	"	"	"	"
12,441	91	96	5	.008	"	"	"	"
12,442	96	100	4	.082	"	Gry/grn carb	20-40	tr-1
12,443	100	105	5	.008	"	"	"	"
12,444	105	110	5	.016	"	"	"	"

SAMPLE RECORD SHEET

Hole No.: 7-20

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
2,445	110	115	5	.004	100	Gry/Grn carb	20-40	Tr-1
2,446	115	117	2	.114	"	"	"	"
2,447	117	122	5	.838	"	"	"	"
2,448	122	127	5	.268	"	"	"	"
2,449	127	132	5	.018	"	"	"	"
2,450	132	137	5	.040	"	"	"	"
2,451	137	142	5	.008	"	"	"	"
2,452	142	147	5	.004	"	"	"	"

END

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-21

Location:	12+5W; 1+79N	**Bearing:**	205	**Dip:**	0
Logged by:	O.Z/R.A.	**Elev.:**	9070	**Length:**	107.0
Started:	April 10/92	**Core:**	AQ		
Finished:	April 20/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	2.0	Lost Core: Hole Collaring
2.0	45.0	Sericitic Andesite: good ground, slightly ser'd; 5-10% qtz. vlts, tr-1% finely diss'd py locally, 23.0 - 35.0: Leucoxenitic Ands; locally hematized. (reddish)
45.0	87.0	Sericitized & Silicified Andesite: 20-33% qtz. vlts., tr-1% diss'd py. brecc'd
87.0	107.0	Sericitic Andesite: as above at 2.0
	107.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: 7-21

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
L2,453	2	7	5	.010	95	Ser'tic Ands	5	tr - 1%
L2,454	7	12	5	.004	"	"	"	"
L2,455	12	17	5	.006	"	"	"	"
L2,456	17	22	5	.012	"	"	"	"
L2,457	22	27	5	.004	"	Leucoxenitic Ands	5	"
L2,458	27	32	5	.002	"	"	"	"
L2,459	32	37	5	.002	"	"	"	"
L2,460	37	42	5	.024	"	Ser'tic Ands:	5	"
L2,461	42	45	3	.020	"	"	33	"
L2,462	45	47	2	.008	"	"	"	"
L2,463	47	52	5	.004	"	"	"	"
L2,464	52	57	5	.006	"	"	"	"
L2,465	57	62	5	.002	"	"	20	"
L2,466	62	67	5	.002	"	"	"	"
L2,467	67	72	5	.008	"	"	"	"
L2,468	72	77	5	.012	"	"	33	"
L2,469	77	82	5	.004	"	"	"	"
L2,470	82	87	5	.004	"	"	"	"

SAMPLE RECORD SHEET

Hole No.: 7-21

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
L2,471	87	92	5	.008	"	Ser'tic Ands	5 - 10	tr
L2,472	92	97	5	.006	"	"	"	"
L2,473	97	101	4	.002	"	"	"	"
L2,474	101	107	6	.002	"	"	"	"
E.O.H.								

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-22

Location:	14+00W;1+79N	**Bearing:**	152.0	**Dip:**	0
Logged by:	Rick Allard	**Elev.:**	9,039	**Length:**	161.0
Started:	April 29/92	**Core:**	AQ		
Finished:	May 6/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	52.0	Ser'tic ands: 15 - 20% qtz, Tr-2% py loc good ground 24.0 - 52.0: Stronger sericitization, 33 - 40% qtz; 3-6 % finely diss'd pyrite
52.0	143.6	Gry/grn carb: 20% qtz; tr-1% py locally 52.0 - 61.0: 33-40% qtz vnlts @ all angles. 81.0 - 116.0: 33-40% qtz vnlts @ all angles. 116.0 - 143.6: 50-60% brecc'd qtz. vnlts; tr-1% py loc.
143,6	161.0	Talc. Chlcrite Schist: Fault gauge on upper contact @ 45 degrees; poor ground, 50% core recovery, 5-15% qtz. vlts,
	161.0	End of Hole: core assayed 100%

SAMPLE RECORD SHEET

Hole No.: 7-22

AMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
2,493	0.0	5	5	.010	100	Ser'tic ands:	15-20%	Tr-2 loc
2,494	5	10	5	.002	"	"	"	"
2,495	10	15	5	.012	"	"	"	"
2,496	15	21	6	.008	"	"	"	"
2,497	21	24	3	.002	"	"	"	"
2,498	24	29	5	.002	"	"	33-40%	3 - 6%
2,499	29	34	5	.004	"	"	"	"
2,500	34	38	4	.002	"	"	"	"
2,801	38	41	3	.014	"	"	"	"
2,802	41	46	5	.018	"	"	"	"
2,803	46	52	6	.030	"	"	"	"
2,804	52	57	5	.012	"	Gry/grn carb:	33 - 40	Tr-1
2,805	57	61	4	.004	"	"	"	"
2,806	61	66	5	.002	"	"	20	"
2,807	66	71	5	.006	"	"	"	"
2,808	71	76	5	.002	"	"	"	"
2,809	76	81	5	.006	"	"	"	"
2,810	81	86	5	.006	"	"	33 - 40	"

SAMPLE RECORD SHEET

Hole No.: 7-22

AMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
?,811	86	91	5	.004	100	Gry/grn carb:	33-40	Tr-1
?,812	91	96	5	.002	"	"	"	"
?,813	96	101	5	.004	"	"	"	"
?,814	101	106	5	.002	"	"	"	"
?,815	106	111	5	.002	"	"	20-33	"
?,816	111	116	5	.006	"	"	"	"
?,817	116	121	5	.006	"	"	50	"
?,818	121	126	5	.050	"	"	66	"
?, 9	126	131	5	.004	"	"	"	"
?,820	131	133.3	2.3	.004	"	"	50	"
?,821	133.3	138.3	5	.002	"	"	20-33	"
?,822	138.3	143.6	5.3	.006	"	"	50	"
?,823	143.6	151.0	7.4	.002	50	Talc. Chl. Sch.:	15	"
?,824	151.0	161.0	10	.002	"	"	5 - 10	"

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ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-23

Location:	14+00W;1+85N	**Bearing:**	152	**Dip:**	-45
Logged by:	Rick Allard	**Elev.:**	9,035	**Length:**	142.0
Started:	May 7, 1992	**Core:**	AQ		
Finished:	May 11, 1992				
Drill Co.:	Mindecon				

From	To	Description
0.0	74.0	Sericitic Ands: 1 - 15% qtz; tr-1% locally - good ground 27.0 - 74.0: 1 - 3% py locally
74.0	117.0	Gry/Grn Carb: 20 - 25% qtz; tr-1% py locally - good ground 97.0 - 107.0: 33% qtz;
117.0	142.0	Chl'd Carb. (Fault Zone) 20% qtz; tr-1% py locally
	142.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: 7-23

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
2,825	0.0	7	7	.012	50	Ser'tic Ands	10 - 15	tr-1
2,826	7	12	5	.002	100	"	"	"
2,827	12	17	5	.018	"	"	"	"
2,828	17	22	5	.028	"	"	"	"
2,829	22	27	5	.006	"	"	"	"
2,830	27	32	5	.008	"	"	"	1 - 3
2,831	32	37	5	.078	"	"	"	"
2,832	37	42	5	.012	"	"	"	"
2,833	42	47	5	.020	"	"	"	"
2,834	47	52	5	.008	"	"	"	"
2,835	52	57	5	.006	"	"	"	"
2,836	57	62	5	.002	"	"	"	"
2,837	62	67	5	.014	"	"	"	"
2,838	67	70	3	.046	"	"	"	"
2,839	70	74	4	.036	"	"	"	"
2,840	74	77	3	.040	"	Gry/grn carb;	20 - 25	Tr-1
2,841	77	82	5	.008	"	"	"	"
2,842	82	87	5	.004	"	"	"	"
2,843	87	92	5	.002	"	"	"	"
2,844	92	97	5	.018	"	"	"	"
2,845	97	102	5	.022	"	"	33%	"
2,846	102	107	5	.006	"	"	"	"
2,847	107	112	5	.006	"	"	20	"
2,848	112	117	5	.014	"	"	"	"

SAMPLE RECORD SHEET

Hole No.: 7-23

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
2,849	117	122	5	.002	100	Chl'd carb:	20	Tr-1
2,850	122	127	5	.008	"	"	"	"
2,851	127	132	5	.004	"	"	"	"
2,852	132	142	10	.002	"	"	"	"

End

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-24

Location:	14+00w;1+85N	**Bearing:**	152	**Dip:**	+56
Logged by:	Otto Z.	**Elev.:**	9,045	**Length:**	90.0
Started:	May 19/92	**Core:**	AQ		
Finished:	May 22/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	18.0	Grey/Green Carbonate: 20 - 33% qtz; tr-1% py; Good ground 10-18.0: 5' of core missing; assumed to be due to driller error.
18.0	35.0	Sericitic Andesite: Pale yellowish banding, 10 - 15% qtz. tr-1% py, good ground. 31.5 - 33.0: 40% qtz vlts & 3 - 5% figr. py along shr'g at 35 degrees to CA.
35.0	76.5	Bleached Andesite: 10 - 20% qtz vlts., tr-1% py, good ground. 53.0 - 58.0: Quartz Breccia; 3 - 5% py along brecc'n
76.5	90.0	Fault and/or open fracture 10% core recovery consisting of qtz. rubble & some gauze; making water core barrel & shell lost in hole at 80.0'
	90.0	End of Hole Core assayed 100%

SAMPLE RECORD SHEET

Hole No.: 7-24

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,880	0	5	5	.002	95	Grey Grn:	20	Tr-1
12,881	5	10	5	.006	"	"	33	"
12,882	10	18	8	.004	50	"	"	"
12,883	18	23	5	.002	95	Ser. Ands	10	"
12,884	23	28	5	.002	"	"	15	"
12,885	28	31.5	3.5	.008	"	"	10	"
12,886	31.5	33.0	1.5	.076	"	"	40	3 - 5
12,887	33.0	38.0	5.0	.022	"	Blc'd Ands	10	Tr-1
12,888	38.0	43.0	5	.012	"	"	20	"
12,889	43.0	48	5	.004	"	"	"	"
12,890	48	53	5	.008	80	"	"	"
12,891	53	58	5	.064	90	Qtz. Breccia:	75	3 - 5
12,892	58	63	5	.012	"	Blc'd Ands:	20	Tr- 1
12,893	63	68	5	.004	"	"	15	"
12,894	68	73	5	.006	"	"	10	"
12,895	73	76.5	3.5	.038	"	"	"	"
12,896	76.5	82.0	5.5	.072	10	Grn. Carb	50 - 66	Tr.
12,897	82.0	90.0	8.0	.030	"	Qtz. Rubble & Fault Gauge		

End

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-25

Location:	13+95W;1+79N	**Bearing:**	115	**Dip:**	0
Logged by:	R.A. & O.Z.	**Elev.:**	9039	**Length:**	175.0
Started:	May 12, 1992	**Core:**	AQ		
Finished:	May 14, 1992				
Drill Co.:	Mindecon				

From	To	Description
0.0	10.	Gry/Grn Carbonate:
10.0	58.5	Sericitic Ands: 10 - 20% qtz; tr-2% py locally - good ground
58.5	59.5	Qtz breccia: 66 - 80 qtz.
59.5	175.0	Gry/Grn Carb: 20 - 33% qtz vnlts @ all angles, Tr pyrite. Good ground.
	94.0	85.0 - 110.0: Grey Carb.; chl'd 25% qtz, tr-1% py, good ground
		120.0 - 140.0: Bad ground, 10 - 50% core recovery; gauge seams
		140.0 - 175.0: 50 - 66% brecc'd qtz. vnlts, Tr-1% py, good ground
	175.0	End of Hole: core assayed 80%

SAMPLE RECORD SHEET

Hole No.: 7-25

AMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
2,853	19	21.8	2.8	.012	100	Ser. Ands	5	Tr-py
2,854	21.8	24.5	2.7	.014	"	"	33	3%
2,855	24.5	30.0	5.5	.036	"	"	5	Tr- py
2,856	55.0	58.5	3.5	.044	"	Ser./Sil'd Ands	10	1
2,857	58.5	59.5	1.0	.022	"	Grn. Carb	80	Tr - 1
2,858	59.5	62.0	2.5	.040	"	"	33	"
2,859	62.0	65.0	3.0	.006	"	"	10	"
2,860	65.0	70	5.0	.008	"	"	20	"
2,861	70	75	5.0	.002	"	Gry/Grn Carb.	25	"
2 62	75	80	5.0	.002	"	"	"	"
2,863	80	85	5.0	.002	"	Gry Carb.	"	"
2,864	85	90	5.0	.012	"	"	"	"
2,865	90	95	5.0	.010	"	"	"	"
2,866	95	100	5.0	.004	"	"	"	"
2,867	100	105	5.0	.016	"	"	"	"
2,868	105	110	5.0	.004	"	"	"	"
2,869	110	115	5.0	.006	"	"	"	"
2,870	115	120	5.0	.004	"	"	"	"

SAMPLE RECORD SHEET

Hole No.: 7-25

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,871	120	130	10.0	.008	10	Gry/Grn	50	Tr.
12,872	130	140	10.0	.014	50	"	"	"
12,873	140	145	5.0	.002	90	"	"	"
12,874	145	150	5.0	.004	66	"	"	"
12,875	150	155	5.0	.002	100	"	66	"
12,876	155	160	5.0	.008	"	"	"	"
12,877	160	165	5.0	.014	"	"	"	"
12,878	165	170	5.0	.016	"	"	"	"
12,879	170	175	5.0	.004	"	"	"	"

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ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-26

Location:	14+00W;1+93N	**Bearing:**	332	**Dip:**	7-26
Logged by:	R. Allard	**Elev.:**	9030	**Length:**	455.0
Started:	May 26/92	**Core:**	AQ		
Finished:	June 10/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	17.0	Gry/brn porphyry: 66 - 80% qtz; tr pyrite - mod. broken up
17.0	114.0	Gry/grn Carb. 20 - 40% qtz; tr pyrite - good ground 34.5 - 37.0: brn por. (80% qtz) 82.0 - 95.0: becoming chl'd 95.0 - 102.0: Brn porphyry
114.0	455.0	Fault Zone: 10 - 20% qtz; tr pyrite Local gauge seams (66 - 80% C.R.) 379.0 - 382.0: 33% qtz;
	455.0	End of Hole: Abandoned; core barallel lost

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-27

Location:	14+57W 1+13N	**Bearing:**	332	**Dip:**	+45
Logged by:	P. Atherton	**Elev.:**	9040	**Length:**	250
Started:	June 17/92	**Core:**	AQ		
Finished:	June 19/92				
Drill Co.:	Mindecon				

From	To	Description
0	62	Grey Green Carbonates 0-17 More Green - 2% Qtz. @ 60 CP 17-18.2-Qtz Breccia 18-62 Grey/Grn Carbonates 10% Narrow qtz. veins at various angles to core - Majority of qtz @ 40-50 CP - Amount of qtz. increased to base with some silicification
62	88.7	Quartz Breccia 75% Qtz Breccia with grey/green carb. in between 50% contact in above unit. 1-2% pyrite in fracture fillings Qtz. fractured and brecciated
88.7	114.0	Sericitic Andesite - Fine Grained - Mix of Gry/Grn Carbonates and sericitic and to 108.6 - Sericitic Andesite after that with minor bands brown porphyry - 28% Qtz. at base - good ground
114	119.2	Qtz. Breccia - 55% Qtz. upper part qtz. intermixed with sericitic and carbonate at base Tr. pyrite - Good ground
119.2	146	Gray Green Carbonate 20% Qtz. - All angles Good ground - Fault 139' to core

Hole No: 7-27

From	To	Description
146	152	Brown Porphyry Fine Ground 2-5% disseminated pyrite Good ground
152	250	Gray Green Carbonate Fuchsite to 159-6 Followed by 5" brown porphyry to 159.6 to 160. Chloritic gray porphyry after 160 to End of Hole. - Good ground although somewhat soft and talcy. - Qtz. vein 201.2 to 203 - 10-15% qtz. throughout unit with trace of pyrite.

SAMPLE RECORD SHEET

Hole No.: 7-27

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12898	0	5	5		100	Gry/Grn Carb.	5%	Tr.
12899	5	10	5		"	"	"	"
12900	10	13.5	3.5		"	"	"	"
13001	13.5	17	3.5		"	"	"	"
13002	17	22	5		"	"	"	"
13003	22	27	5		"	"	"	"
13004	27	32	5		"	"	"	"
13005	32	37	5		"	"	"	"
13006	37	42	5		"	"	"	"
13007	42	47	5		"	"	"	"
13008	47	52	5		"	"	"	"
13009	52	57	5		"	"	"	"
13010	57	62	5		"	"	"	"
13011	62	67	5	.008	"	Gry/Grn Carb.&Qtz.	50%	"
13012	67	72	5	.004	"	"	"	"
13013	72	77	5	.002	"	"	"	"
13014	77	82	5	.012	"	"	"	1-2%
13015	82	88.7	6.7	.290	VG "	"	"	"
13016	88.7	93	43	.09	100%	Sericitic Andesite	5%	Tr.
13017	93	98	5.0	.004	"	"	"	1-2%
13018	98	103	5.0	.006	"	"	"	"
13019	103	108.6	5.6	.002	"	"	"	"
13020	108.6	114	5.4	.002	"	Qtz. Breccia	20%	"
13021	114	119.2	5.2	.004	"	" "	50%	"
13022	119.2	123	4.8	.002	"	Grey Green Carb.	10%	"

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-28

Location:	14+57W 1+13N 4365N 3194E	**Bearing:**	332	**Dip:**	+60
Logged by:	P. Atherton	**Elev.:**	9040	**Length:**	205
Started:	June 30,1992	**Core:**	AQ		
Finished:	July 7, 1992				
Drill Co.:	Mindecon				

From	To	Description
0	81.4	Grey/Green Carbonates Mostly green to 38' then grey Randomly oriented qtz. carb. vein, Foliations throughout int. @50" CP 15-20% qtz. Foliations less obvious towards end of section - Trace pyrite, good recovery
81.4	100.6	Quartz Breccia 60-75% Qtz. - Large white quartz veins 1%. Pyrite with Grey/Green Carbonate Carbonate is brecciated - Good Recovery
100.6	115.1	Quartz Breccia and Grey/Green Carbonates
115.1	125.8	Grey Green Carbonate Brecciated with no identifiable foliations 20% qtz. - Good recovery
125.8	131.4	Sericitic Andesite and Grey/Green Porphyry 50% Quartz - Mostly at end of section - 1-2% pyrite - Good Recovery - Grey/Green Carbonate
131.4	137.6	Brecciated, Good Recovery - No quartz

Hole No: 7-28

From	To	Description
137.6	145	Brown Porphyry Good Recovery
145	175	Grey/Green Carbonate 25% Qtz. Fault 152' to End of Hole - 50% core recovery - core Badly Broken
175	205	Grey/Green Carbonates & Brown Porphyry Fault zone 50% core recovery

SAMPLE RECORD SHEET

Hole No.:7-28

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13023	76	81.4	5.4	.008		Grey/grn	10-20%	Tr.
13024	81.4	85	3.6	.020		Qtz./Bx.	50%	Tr.
13025	85	90	5.0	.032		" "	80-90%	"
13026	90	95	5.0	.044		" "	50%	"
13027	95	100.6	5.6	.124		" "	75%	"
13028	100.6	105	4.4	.300		Gry/Grn	25-30%	"
13029	105	110	5.0	.022		" "	" "	"
13030	110	115.1	5.1	.008		" "	20%	"
031	115.1	120	4.9	.004		" "	50%	"
13032	120	125.8	5.8	.016		Grey/Grn	20%	"
13033	125.8	131.4	5.6	.004		Ser And	50%	2-5%
13034	131.4	137.6	6.2	.078		Grey/Grn	30%	Tr.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-29

Location:	1+13N 14+57W	**Bearing:**	332	**Dip:**	-45
Logged by:	P. Atherton	**Elev.:**	9028	**Length:**	220
Started:	July 7/92	**Core:**	AQ		
Finished:	July 10/92				
Drill Co.:	Mindecon				

From	To	Description
0	21.5	Gray/Green Carbonates - Mostly green 25-50% Quartz Veins - Random orientation - Good ground
21.5	27	Quartz Breccia 80-90% Quartz-sericitic matrix between veins VG-25'
27	217	Brown Porphyry Good Ground
29.7	115.2	Andesite - Good Ground 29.7 - 45.8 - Sericitic - Bright Green 20% Pyrite - Foliated 55 CP - Pyrite in bands ll to foliation - 41-42 QV 45.8-71.5 - Less Sericitic 5% pyrite foliated 50% CP - Occasional Large Qtz vein 58-59' 21.5-88 Fine grained massive 88-115 < moderately altered and sericitic Silicified 10% qtz
115	141.0	Gray/green carbonates - Good ground
141.0	149.2	Silicified Andesite
149.2	152.2	Brown porphyry

Hole No: 7-29

From	To	Description
152.2	174	Green Carbonates Silicified
174	175.8	Brown Porphyry
175.8	182.8	Gray Carbonate - Chloritic
182.8	191.6	Brown Porphyry
191.6	220	Talc Chlorite Schist Foliations 40 CP Chloritic Brown Porphyry 222.1 221.1

SAMPLE RECORD SHEET

Hole No.: 7-29

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13035	0	5	5	.038		Gry/Grn	25%	Tr.
13036	5	10	5	.074		" "	25-50%	"
13037	10	15	5	.008		" "	"	"
13038	15	21.5	6.5	.012		" "	"	"
13039	21.5	27	5.5	.002		Qtz. Bx.	VG	"
13040	27	29.7	2.7	.004		Brown Porphyry		
13041	29.7	35	5.3	.006		Ser. and	25%	2% py.
13042	35	40	5.0	.01		" "	"	"
13043	40	45.8	5.8	.004		" "	"	"
13044	45	50	4.2	.026		" "	"	"
13045	50	55	5.0	.004		" "	"	"
13046	55	60	5.0	.008		" "	"	"
13047	60	65	5.0	.126		" "	"	"
13048	65	71.5	6.5	.024		" "	"	"
13049	71.5	75	3.5	.030		Fine Grained Massive And		
13050	75	80	5.0	.006		" "	"	"
13051	80	85	5.0	.004		" "	"	"
13052	85	88	3.0	.008		" "	"	"
13053	88	95	7.0	.002		Ser And	10-20%	"
13054	95	100	5.0	.002		" "	" "	2-5%
13055	100	105	5.0	.006		" "	" "	"
13056	105	110	5.0	.010		" "	" "	"
13057	110	115.2	5.2	.012		" "	" "	"

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-30

Location:	1+13N 14+57W 4365N 3194E	Bearing:	322	Dip:	-60
Logged by:	P. Atherton	Elev.:	9028	Length:	212.0
Started:	July 13/92	Core:	AQ		
Finished:	July 15/92				
Drill Co.:	Mindecon				

From	To	Description
0	37.2	Green Carbonates - Good Core Foliated 40" CP - Qtz Veins - White milky to greyish white 20% to 50% qtz. - 21-32.3 Qtz Breccia - Veins at all angles to core and up to 12" core length 32.3-37.2 Foliated 20" C.P. 1' qtz vein at the end of the section
37.2	123.1	Andesite 37.2 - 56.1 - Sericitic Zone - Good core 1-5% pyrite - bright olive Green Grey to white qtz veins at various angles to cor. - Somewhat brecciated - 20% narrow quartz veins 56-1-98.1 Sericitic Andesite - Good Core 1-2% Pyrite locally up to 5% - Duller green than above unit 98.1-123.1 Andesite to sericitic andesite more massive less altered fine grained - medium to dark green where unaltered - bright olive green where scricitized
123.1	212.0	Grey/Green Carbonate Dark Grey/grn - 10-20% narrow QCV All angles to core
	212.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: 7-30

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13058	4	7	3	.018		Green Carb	20%	Tr.
13059	7	12	5	.012		" "	"	"
13060	12	17	5	.008		" "	"	"
13061	17	21	4	.004		" "	"	"
13062	21	27	6	.166		Quartz Bx	50-75%	"
13063	27	32.3	5.3	.012		" "	" "	"
13064	32.3	37.2	4.9	.008		Green Carb.	20%	"
13065	37.2	42	4.8	.006		Sericitic	"	1-2%
13066	42	47	5	.026		"	"	1-5%
13067	47	52	5	.012		"	"	"
13068	52	56.1	4.1	.010		"	"	"
13069	56.1	62	59	.006		" Andesite	<10%	2-5%
13070	62	67	5	.014		" "	"	"
13071	67	72	5	.004		" "	"	"
13072	72	77	5	.032		" "	"	"
13073	77	82	5	.038		" "	"	"
13074	82	87	5	.034		" "	"	"
13075	87	92	5	.094		" "	"	"
13076	92	98.1	6.1	.008		" "	"	"
13077	98.1	102	3.9	.012		Andesite to Sericitic		Tr.
13078	102	107	5.0	.014		" "	"	"
13079	107	112	5.0	.006		" "	"	"
13080	112	117	5.0	.004		" "	"	"
13081	117	123.1	6.1	.012		" "	"	"

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-31

Location:	Stock Stope 710 Stope 4400N 3214E	**Bearing:**	332	**Dip:**	+45
Logged by:	P. Atherton	**Elev.:**	9040	**Length:**	190'
Started:	July 21/92	**Core:**	AQ		
Finished:	July 26/92				
Drill Co.:	Mindecon				

From	To	Description
0	3	Casing
3	10.5	Quartz Breccia And Grey/Green Carbonates 50-60% Quartz - Veins at all angles to core - Core badly broken
10.5	76.7	Andesite (As Below) 10.5-32.1 - Sericite - Pale olive green, fairly uniform - Foliated 50" CP where it is not brecciated - 1@2% disseminated pyrite - Badly broken core 32.1 - 35.5 - Quartz Vein Brown Porphyry 35.5-42.8 - Sericite - More Breciated 42.8-76.2 - Sericite Andesite - Bright Olive green to dull green - brecciated to massive - mottled texture due to sericitization <1% pyrite - Good core
76.7	79.7	Brown Porphyry
79.7	93.3	Grey/Green Carbonate More grey - 5-10% quartz at all angles to core 1-2% pyrite
93.3	123.3	Brown Porphyry - Good core

Hole No: 7-31

From	To	Description
123.3	128.6	Grey Green Charbonates-Good Core
128.6	129.9	Brown Porphyry - Good Core
129.9	160.3	Grey Green Charbonates Mottled with some brecciation 15-20% Qtz. at all angles to core 1-2% pyrite - Good Core
160.3	169.8	Silicified Andesite 5-10% disseminated pyrite - Red to bright olive green depending on amount of hematization and sericitization - Good core - Silicifation is pervasive and as matrix in more brecciated sections
169.8	190	Grey/green carbonates Chloritic < 1% pyrite - Quartz veins 5-10% all angles to core 190' EOH

SAMPLE RECORD SHEET

Hole No.: 7-31

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13082	3	5	2	.104	100	Qtz. Breccia	60%	Tr.
13083	5	10.5	5.5	.060	"	" "	"	"
13084	10.5	15	4.5	.024	75	Sericitic	Tr.	1-2%
13085	15	20	5.0	.018	100	"	"	"
13086	20	25	5.0	.016	100	"	"	"
13087	25	30	5.0	.020	"	"	"	"
13088	30	35	5.0	1.572	"	"	"	"
13089	35	40	5.0	.028	"	Sericitic And.	"	"
13090	40	45	5.0	.022	"	" "	"	"
13091	45	50	5.0	.012	"	" "	"	"
13092	50	55	5.0	.008	"	" "	"	"
13093	55	60	5.0	.018	"	" "	"	"
13094	60	65	5.0	.004	"	" "	"	"
13095	65	70	5.0	.018	"	" "	"	"
13096	70	76.1	5.0	.048	"	" "	"	"
13097	160.3	165	4.7	.094	"	Silicified Andesite		2-5%
13098	165	169.8	4.8	.004	"	" "		"

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-32

Location:	1 4 + 2 5 W 1+34N (4+00N 3114 E)	Bearing:	332°	Dip:	+64
Logged by:	P. Atherton	Elev.:	9040	Length:	37.2
Started:	July 26/92	Core:	A Q		
Finished:	July 28/92				
Drill Co.:	Mindecon				

From	To	Description
0	16.8	Grey/green carbonate & quartz breccia 50-75% qtz. - 2-5% pyrite 10-11'-VG-Very Fine
16.8	17.4	Brown Porphyry
17.4	37.2	Qtz. breccia & grey/green carbonate 25% Qtz. 1-2% pyrite Good core - Hole ~~bore~~ brake through into 731 37.0 EOH

SAMPLE RECORD SHEET

Hole No.: 7-32

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13099	0	5	5	.012			50-75%	1-2%
13100	5	10	5	.024			" "	" "
13301	10	15	5	.310			" " VG	" "
13302	15	20	5	.054		1' Br. Porph.	" "	" "
13303	20	25	5	.018		" " "	" "	" "
13304	25	30	5	.024		" " "	" "	" "
13305	30	37.2	7.2	.016		" " "	" "	" "

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-33

Location:	16+00 W	**Bearing:**	152	**Dip:**	+20^0
Logged by:	P. Atherton	**Elev.:**	9036	**Length:**	210
Started:	July 29/92	**Core:**	AQ		
Finished:	Aug. 05/92				
Drill Co.:	Mindecon				

From	To	Description
0	2.4	Grey/green carbonates - Green, Fairly uniform texture - Massive, 1-2% Quartz - Good Core
2.4	15	Brown Porphyry - Dark to medium grey, crystalline < 1% pyrite - Xenoliths of carbonate at 5.5 & 5.8-6.2 - Contact sharp - Good core
15	24.4	- Grey green carbonate 30% qtz. mainly at 21.2-22.7-All angles to core - 1-2% pyrite
24.5	130.7	Andesite (as below) 24.5-63.4-Bleached to relatively unaltered fine grained - light olive green near fractures to dark olive green - Massive texture - Fault 34' 70^0 CP 2% qtz. all angles <1% pyrite - Good core 65.4-74.1 Brecciated andesite - dark grey green 5-10% qtz in fractures - More broken up than above 74.1-101.4-Sericitic, variolitic andesite - Mottled - bright olive green to medium olive green 101.4-130.7-Sericitized andesite - Bright olive green - 10-20% quartz - Qtz vein - 103.2 - 106.4 CPY

		1-2% py. - disseminated & in fractured Locally up to 5%
130.7	178.4	- Grey/green carbonate (as below) 130.7-151.8 - 33% massive qtz. 20% narrow qtz. veins - Py up to 10% both disseminaed and concentrated along fractures VG@ 135, 135.8 and 143.4 - Carbonate green, granular texture Good core 151.8-166.1 Grey green carbonates 5-10% qtz. <1% to 1% pyrite - Good core 166.1-178.2 - Dark grey/green chloritic carbonate - Massive good core
178.2	210	Chlorite schist with carbonate foliated - 55^{0} CP - Fairly good core 100% recovery - No mud seams - Possibly more chloritic grey carbonate
210		EOH

SAMPLE RECORD SHEET

Hole No.: 7-33

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE	
13306	95	101.4	6.4	.15		Var/And	1-5%	Var/And	
13307	101.4	106.4	5.0	.396		Ser/And	70%	1%	
13308	106.4	110	3.6	.096		" "	25%	"	
13309	110	115	5.0	.038		" "	"	"	
13310	115	120	5.0	.014		" "	"	"	
13311	120	125	5.0	.010		" "	"	"	
13312	125	130.7	5.7	.060		" "	"	"	
13313	130.7	135	4.3	.368		Bx&Carb	50%	2-5%	VG
13314	135	140	5.0	.324		" "	"	"	VG
3315	140	145	5.0	.994		" "	20%	"	VG
13316	145	151.8	6.8	.006		" "	"	"	
13317	151.8	155	4.2	.064		Green Carb.	5-10%	1%	
13318	155	160	5.0	.118		" "	"	"	
13319	160	166.1	6.1	.016		" "	"	"	
13320	166.1	170	3.9	.008		Chlorite Carb.	1%	<1%	

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-34

Location:	16+00W 3+11N 4472N 2973E	**Bearing:**	152°	**Dip:**	+35°
Logged by:	P. Atherton	**Elev.:**	9036	**Length:**	210'
Started:	August 5/92	**Core:**	AQ		
Finished:	August 10/92				
Drill Co.:	Mindecon				

From	To	Description
0	2.1	Grey/Green Carbonate - Mottled olive green - Silicified 1-2% py. - Good recovery - 100%
2.1	13.8	Brown Porphyry Massive, crystalline texture < 1% py - Contacts sharp -100% recovery
13.8	26.2	Grey Green Carbonate Foliated texture, medium to light olive green. - Silicified with qtz veins at all angles to core - <1% pyrite - 100% core recovery
26.2	155.7	Bleached & Sericitic Andesite (As Below) 26.2-72.9 - Bleached sericitized andesite massive to foliated - silicified - medium to bright olive green - < 1% pyrite with concentrations of disseminated pyrite up to 2% where intersection most sericitized - contacts are sharp - good core 100% recovery 72.9-117.4 - Relatively unaltered andesite - Fine grained - Dark grey - massive texture - Fractures filled with white quartz carbonate - Carbonate is also pervasive

26.2	155.7	Continued < 1% pyrite Good core recovery 100% 117.4-155.8 - Sericite and sericitic andesite. Sericite - mottled, bright olive green Pervasive silification and carbonate to 128.8 - 128.8 - 137.6 - Sericitic and quartz breclia 2-3% pyrite disseminated 25% quartz veins VG @ 136.5-137.6 - 137.6-150.2-Sericitic Andesite - Massive to mottled texture 1% pyrite 156.2-155.7 - Sericite - foliated & brecciated texture - foliations 70° CP 2-5% pyrite - Bright olive green, silicified All of above good core recovery 100%
155.7	180	<u>Grey Green Carbonated</u> 155.7-172 - Silicified with qtz breccia VG - 155.7 to 157.4 50% qtz - Numerous qtz. veins at all angles to core 1-2% pyrite 172-180 - Massive to mottled
180	220	<u>Fault Zone</u> Faulted and chloritic carbonate Mud faults throughout Poor recovery - 25% 220 EOH

SAMPLE RECORD SHEET

Hole No.: 7-34

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13321	117.4	123	5.6	.006		Sericitic And.	50%	<1%
13322	123	128.8	5.8	.016		" "	"	"
13323	128.8	133.2	4.4	.044		Sericitic & Qtz Bx	40%	2-3%
13324	133.2	137.6	4.4	.254		" " VG	"	"
13325	137.6	145.0	7.4	.008		Sericitic And	5-10% Qtz	<1%
13326	145	150.2	5.2	.008		" "	"	"
13327	150.2	155.7	5.5	.036		Sericite Qtz	10-15% Qtz	5-10%
13328	155.7	160	4.3	.534		Breccia	50%	1-2%
13329	160	165	5.0	.016		Grey Brn.	30%	<1%
13330	165	170	5.0	.016		" "	"	"
13331	170	175	5.0	.006				

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-35

Location:	7+00W 1+36S	**Bearing:**	012°	**Dip:**	-41°
Logged by:	P. Atherton	**Elev.:**	9068'	**Length:**	400'
Started:	Sept. 23/92	**Core:**	AKT		
Finished:	Sept. 28/92				
Drill Co.:	Heath & Sherwood Drilling				

From	To	Description
0	215.7	TALC CHLORITE SCHIST 0-80.6 - Schistose - very narrow - gives the core a massive appearance. - mud slip at 30' - dark bluish black - tally - Schistocity @ core l to 50° CP 80.6-96.5 - Brecciated, silicified, last 5'75% Qtz - Chlorite content high - resulting in mud - Schistocity 40° where not distorted -96.5-117 - Schistacity 40° CP - Fairly regular 117-215.7 - Foliated talcy schist - Schistosity 10° CP to l to the core mud seam @ 161.8 to 165
215.7	238	Grey Green Carbonate 215.7-222 - Chloritic sheared carbonate following @ 50% CP - Good Core 20% Qtz. 222-235.2 - Green carbonate - brecciated to foliated - Foliations @ 50-70° CP < 1% Pyrite - Good core 15-20% Qtz. 235.2-238 - Chloritic carbonate - sheared brecciated appearance

		< 1% pyrite - occasional specis - Lower contact sharp - Good core
238	241.5	Tall Chlorite Schist Intensely foliated and breccited weathered - foliations @ 45° CP - Soft - muddy - poor ground Lower contact @ 35° CP
241.5	246	BASALI Medium to coarse grained, 1-2% pyrite at upper contact - Dark to light grey - appears to be some porphyrytization - Overall <1% pyrite - 100% recovery - Good core
246	248.5	Diabase Dyke Fine grained uniform texture, grey 1-2% fine pyrite - mostly at contacts - Sharp contacts with some alteration - 100% core - good core
248.5	270.3	Basalt - Dark to medium grey - to reddish <1% to 1% pyrite as disseminated cubes massive texture fairly uniform - Coarse to medium grained - Hemat 12 ed - Reddish to grey - Non-magnetic - Lower contact sharp - marked by 2" - Quartz vein - 100% core recovery - good core
270.3	333.5	Talc Chlorite Schist (Minor Break) Intensely sheared chloritized rock very soft - muddy to the extreme - Good core recovery and ground to 287.3 muddy and poor recovery to 313.4 - Shearing is at all angles to the core 313.4 - 330.5 - Core more solid sheared at 45° - 300' - 3' Ground out

330.5 - 333.5 - Mud - Chlorite mud with some flakes of talcy phase

Lower contact sharp - marked by 8" quartz vein

333.5 400' Carbonate Rock
333.5-345 Massive uniform grey to greenish grey

- Carbonate is pervasive and can be seen interstitially to darker chloritic fragments

- Fault at 344-344.4 at 20^0 CP
  Lower contact sharp - 90^0 CB

- Good ground 100% recovery

345-365 - Pyritic Carbonate - Ore
Dark grey green carbonate with the occasional pinkish pyritic porphyritic (albitite)

- Pyrite occurs as disseminated cubes up to 15-20%

- < 5% from 345.5 - 349.2 where pyrite is very fine.

- Pyrite is coarse grained up to 1/4" at 15% for the rest of teh section.

V6 - 354.7' - In narrow qtz. vein

- 356.5 - 358.5 - Pyritic porphyry fine grained with 20% pyrite large cubes

- Dull red T. greyish red porphyry

- Lower contact ground out

358.5-373.8 Green Carbonate - foliated C 55^0 CP

Fault at 364

100% Core Recovery

Good ground

373.8 - 381.3 - Pyritic carbonate
1-2% coarse pyrite
folaited as above

381.3 - 400 - Foliated 65" CP
<1% PYRITIC

- Good Core 100% Recovery

400' EOH

SAMPLE RECORD SHEET

Hole No.: 7-35

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13334	241.5	246	4.5	.016	100%	Mafic Volc.	No Qtz.	1-2%
13335	246	248.5	2.5	.006	100%	Diabase?	No Qtz.	2%
13336	263	268	5.0	.008	100%	Mafic Volc.	" "	1%
13337	268	271	3.0	.004	100%	Mafic Volc.	" "	1%
13338	340	348	5.0	.010	100%	Grn. Carb. Coarse Grind		0%
13339	345	350	5.0	.110	100%	Pyritic Carb. Coarse Grind		10%
13340	350	355	5.0	.544	100%	Pyritic Carb. Coarse Grind		25%
13341	355	3.5	3.5	.444	100%	Pyritic Carb. Pyritic Por.		25%
13342	358.5	364	5.5	.018	100%	Grn. Carb. Coarse Grind		Ou Py.
13343	370	374	4.0	.024	100%	Grn. Carb.		0%
13344	374	378	4.0	.010	100%	Pyritic Carb. Coarse Grind		1-2%
13345	378	381.3	3.3	.006	100%	Pyritic Carb. Coarse Grind		Py.
13346	381.3	385	3.7	.004	100%	Grn. Carb.		0%

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-36

Location:	7+00W, 1+36S	**Bearing:**	012°	**Dip:**	-61°
Logged by:	P. Atherton	**Elev.:**	9068'	**Length:**	542'
Started:	Sept. 28/92	**Core:**	AKT		
Finished:	Oct. 02/92				
Drill Co.:	Heath & Sherwood				

From	To	Description
0	212.4	Talc Chlorite Schist (South Break) Black to bluish black foliated with primarily 30° to 40° CP Some brecciated units - Few silicified bands, Good core recovery to 133.5 - Mud to 146.1 - Weathered brecciated core - Poor core from 146.1 where core li badly broken along slip planes foliation 20-15° CP - 190-212.4 - Good Core Recovery - Fairly Regular foliation 65° CP More tacly than chloritic.
212.4	224.3	Mafic Volcanic/Dike? Fine grained dark grey to black Massive uniform texture - several quartz veins intersect core at all angles to core 10% qtz. - Upper contact sharp at 55° CP Lower contact is # chloritic breccia 85° CP - No sulanides except in large quartz vein at 216.4 to 217.1 - None magnetic
224.3	226.2	Aplite (Brown Porphyry)

Hole No: 7-36

From	To	Description
226.2	250.5	- Grey/Green Carbonate - Sheared foliated - silicified and carbonate segregated - some brecciated - Lower contact faulted - < 1% pyrite
250.5	314.5	Talc Chlorite Schist South Break Sheared and muddy (chloritc) to 291. Foliation at 25° CP - Badly broken and muddy core from 283-291' - More talcy and bluish black, towards base of section below 291' - Lower contact sharp at 45° CP
314.5	375.6	Mafic Volcanic - Altered, nematized - alteration has caused a porphyritic - 1-5% pyrite - Dark grey to pinkish where hematized pinkish units more coarse grained - Bleached intersections have up to 5% pyrite. - Unit - Slightly talcy to 318'. - Massive texture, non-magnetic - Some pervasive carbonate
375.6	430.3	Talc Chlorite Schist (Minor Break) More talcy than chloritic - Talc occurs as small spherulites in fairly massive core. - Foliation at 35° - 55° CP - More chloritic and muddy towards base of section. - Weakly magnetic - Good core recovery
430.3	473	Carbonate Rock 430.3-436.3 - <1% Pyrite - Dark grey - Moderately hard - Massive uniform texture 436.3 - 444.5 - Pyritic carbonate - Dark grey massive with fine to medium grained pyrite cubes 1-2% pyrite - Pervasive carbonate - moderate reaction

Hole No: 7-36

From	To	Description
430	473	444.5 - 463.2 Same as 430.3 - 436.3 463.2 - 473 Fine grained, chloritic, pyrite up to 2% for last 5'. - Fine grained pyrite for the most part - Coarse grained at the end of the section. - Pyrite 1/4" at base of section.
473	505	Talc Chlorite Schist - Major Break - Talcy, chloritic - poor core recovery
504	542	Chloritic Carbonate Sheared at 60° CP - Gradually becoming talc chlorite schist at the base of section. 542' EOH

3

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-37

Location:	7+00W; 1+36S	**Bearing:**	332°	**Dip:**	-43°
Logged by:	P. Atherton	**Elev.:**	9068'	**Length:**	538'
Started:	Oct. 5/92	**Core:**	BQ		
Finished:	Oct. 9/92				
Drill Co.:	H e a t h & Sherwood				

From	To	Description
0	42.2	Talc chlorite scnist Dark bluish/black to black, foliations @ 60° cp. -Good core recovery.
42.2	60	Feldspar porphyry Dark pinkish green to green, feldspar up to 1/4". -Massive texture. -Good core recovery.
60	143.5	Sheared chlorite carbonate (carbonate chlorite scnist) Dark grey to greenish grey. Foliation range from 40-60° cp. -Lamprophtre dykes 67'-68.5 72.2-73.5 77.2-77.6 85 - 86 86.6-88 91.8-92.6 -40% qtz, massive. -Good ground.
143.5	191.6	Talc chlorite scnist Foliated bluish/black to black -More chloritic + muddy than pervious scnist unit. -Foliated 65° cp- but occasional intersections at all angles. -Muddy chloritic units tend to be core

Hole No: 7-37

From	To	Description
		parallel - indicated faults where foliations change abruptly.
191.6	204.2	Silicified, carbonated tall chlorite scnist -Medium to dark grey 40% qtz, foliated 60°-70° cp
204.2	211.6	Brown Prorhyry (adlite) contacts -upper 40° cp -lower 80° cp
211.6	232	Talc chlorite scnist Chloritic - dull dark greenish black foliated 80° cp. Mud fault at the top of the section. 216.8-217.6 - 10% coarse pyrite in bre'd 1% disseminated pyrite throughout.
232	262.5	Silicified talc chlorite scnist 40-60% qtz, foliated all angles. -Narrow veins, seams of brown pornyry and feldspar porpnyry. -Hard to soft - good core recovery.
262.5	263.2	Brown porpnyry 2-5% pyrite - very fine. -Glassy texture.
267.2	275.4	Silicified talc chlorite scnish same as 232 to 262.5
275.4	281.1	Brown porpnyry (aplite)
281.1	351.4	Talc chlorite scnist - minor break chloritic - muddy foliated 60° cp. -Silicified bands alt w chlorite bands. -Core - lost 6' from 304. 310 core recovery is good.
351.4	443.2	Grey/green carbonate 351.4-358.1 -dark grey, massive last 0.2' 5% coarse pyrite.

Hole No: 7-37

From	To	Description
		358.1-361.3 - lighter grey green, massive no pyrite. 361.3-365.5 - pyritic carbonate - silicified with 20% qtz, carbonate veins -up to 5% pyrite - chalcopyrite in qtz veins. 365.5-443.2 - Grey/green goliated carbonate <1% pyrite overall with exceptions as above. Good core.
443	538	Talc chlorite scnist (major break) Soft, bluish/black to dull greenish/black core, is foliated @ all angles to core 1-2% pyrite. -Chloritic at the top of the section talcy in mid range. -Muddy - chloritic at base. -Good core recovery, except at last 60' where some int. are crushed.
	538	EOH

SAMPLE RECORD SHEET

Hole No.: 7-37

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,369	215	220	5			Coarse grned.		1-5
13,370	260	265	5			Brn Por.		1-2
13,371	351.4	355	3.6	.018		Massive carb. dark		
13,372	355	358.1	3.1	.004		Massive carb. some coarse py.		
13,373	358.1	361.3	3.2	.002		Massive carb. light		No py.
13,374	361.3	365.5	4.2	.096		Py. carb . 1% cpy. 2		5
13,375	365.5	370	4.5	.004		Foliated carb.		No py.
13,376	410	415	5	.020		Py. & alt carb.		5

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-38

Location:	7+00W, 1+365	**Bearing:**	332°	**Dip:**	60°
Logged by:	P. Atherton	**Elev.:**	P068	**Length:**	541
Started:	Oct. 09/92	**Core:**	BQ	**T e s t s (Cor.)**	59°
Finished:	Oct. 15/92				
Drill Co.:					

From	To	Description
0	82.5	Talc Chlorite Schist - South Break - Foliated 60° CP
82.5	97.2	Carbonated Talc Chlorite Schist - Folidated and brecciated chlorite at 25° CP - < 1% Pyrite - Green to mottled grey - Good core recovery
97.2	100.5	Mafic Dyke - Diabase Fine grained, uniform Massive
100.5	295.6	Talc Chlorite Schist (South Break) More foliated and brecciated in appearance than above units. - Broken upfrom 17° to 179' Foliations at 30° CP but can be at all angles.
295.6	351.3	Grey and Brown Porph. (Alplite) Carbonate and Tall Chlorite Schist Foliated silicified with act. int. of chlorite, slicified and carbonted units Some of porphyry is feldspar porphyry Silicification - pervasive, layered and in veins - Foliation 55° CP

Hole No: 7-38

From	To	Description
351.3	407.5	- Talc Chlorite Schist - Minor Break Foliated 50° CP Black to bluish black Uniform foliation - no breccia
402.5	452.4	- Carbonate Rock 402.5-427 - Dark grey massive carbonate foliated 55° CP Core is crushed in a few places pyritic at 425' 427-432 - Pyritic Carbonate 5% pyrite cubes, silicified, some chalcopyrite - Silicification is in the form of quartz veins - Pyrite is cubic when disseminated, patchy when with the quartz 432-452.4 - Dark grey to chloritic carbonate Massive, good core
452.4	467.3	Talc Chlorite Schist Shearing 65° CP, bluish black Good Core
467.3	512.7	Carbonate and Grey/Brown Porphyry Grey to green carbonate - silicified from numerous grey porphyry intrusives - soaked 10-15% qtz. - no pyrite - good core
512.7	541	Talc Chlorite Schist - Major Break Foliated 45° Cp - Good Core

SAMPLE RECORD SHEET

Hole No.: 7-38

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
1337	412.5	417	4.5	.022		Grey Carbonate		
13378	417	422	5.0	.016		" "		
13379	422	427	5.0	.010		" "		
13380	427	432	5.0	.238		Pyritic Carbonate		
13381	432	437	5.0	.016		Grey Chlor. Carb.		
13382	437	442	5.0	.008		" "		

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-39

Location:	700+00 1+36S	**Bearing:**	312°	**Dip:**	-70°
Logged by:	P. Atherton	**Elev.:**	9068	**Length:**	670'
Started:	Oct. 9/92	**Core:**	BQ		
Finished:	Oct. 22/92				
Drill Co.:					

From	To	Description
0	344.8	Talc Chlorite Schist 0-118 - Dark Bluish Black to Black Massive to foliated 30° CP Good Core 118-235 Badly broken up core - Chloritic mud and breccia Poor Core Recovery 235-344 - Brecciated to foliated - bluish black to brownish black - White qtz. veins and fragments - Leucoxene up to 5% at base of section - Good core recovery
344.8	356	Aplite (Brown Porphyry) Fine grained aphanitic T-crystalline - Some inclusion of talc chlorite schist Good core
356	394.9	Talc Chlorite Schist Breccia - Qtz Fragments in dark bluish Grey matrix Foliation 50° CP Good core
394.9	397.2	Pyritic Porphyry 10% pyrite - Cures up to 1/4"

Hole No: 7-39

From	To	Description
394.9	397.2	(Continued) - Darker pink where swirled and marbley texture.
397.2	514.1	Talc Chlorite Schist 397.2 - 497 - Fairly Massive appearance bluish black Foliations 30° CP 495 - 514.1 - Silicified, foliated at 35° CP - Brownish to greenish black mud seam
514.1	562.5	Grey/Green Carbonate 514.1 - 538 - Foliated, chloritic carbonate. Fairly uniform texture - Foliation regular at 20° CP < 1% pyrite with odd speck Slips at 537' 20° CP 538 - 541.6 - Pyritic porphyry 1% up to 10% pyrite at base of section Fault contact at top of section and at base 20% at top 90° CP at base 541.6 - 543.3 - Brecciated, greyish green Good Core 543.3 - 562.5 - Massive texture foliated 30° CP Chloritic towards base Grey/Green
562.5	578.8	Talc Chlorite Schist Carbonated Foliated 30° CP
578.8	601	- Brown and Grey porphyry Foliated, silicified - carbonate rock altered by porphyry Int.
601	670	Grey/Green Carbonate Foliated 30° CP - Light green to light grey to 631'. Chloritic after 631 to EOH - Uniform Core Good core recovery 67° EOH

SAMPLE RECORD SHEET

Hole No.: 7-39

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13383	390	394.9	4.9	.012	100%	TCS	Good Core	
13384	394.9	397.2	2.3	.004	100%	Py. Por.	Good Core	10%
13385	397.2	401	3.8	NO	100%	TCS	Good Core	
13386	533	538	5.0	.002	100%	Carb.		<1%
13387	538	541.6	3.6	.100	100%	Py. Carb. & Por. 1% - 10% py.		
13388	541.6	546	4.4	.070	100%	Carb.		<1% py.
13389	546	551	5	.014	100%	Carb.		<1% py.
13390	551	556	5	.078	100%	Carb.		<1% py.
13637	556	561	5	.006				
13638	561	566	5	.002				

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-40

Location:	700 + 00 W 1 + 365	**Bearing:**	332°	**Dip:**	-75
Logged by:	P. Atherton	**Elev.:**	9068	**Length:**	926
Started:	Oct. 22/92	**Core:**	BQ		
Finished:	Nov. 2, 1992				
Drill Co.:	Heath & Sherwood Drilling				

From	To	Description
0	134.6	Talc Chlorite Schist Massive to foliated - dark grey/green to black Foliations 60° CP - Not obvious core is fairly massive in appearance < 1% pyrite - Very rare - 100% core recovery - Good core
134.6	163.3	Aplite (Brown Porphyry) Brown to grey massive, grystalline - 5-10% disseminated pyrite - cubes - Very hard and brittle - Lower contact sharp - 90° CP
163.3	247	Talc Chlorite Schist 163.3 - 247 - Dark grey to black - Foliated 30° CP - More broken up than last TCS intersection

Hole No: 7-40

From	To	Description
247	299.3	Silicified Chloritic Carbonate
		- Brecciated grey to green <1% pyrite silicification in veins, patlnes and blebs no dominant orientation
		- Marble texture
		- Good Core
299.3	319.8	Talc Chlorite Schist
		Foliated to brecciated - 30° CP
		- < 1% pyrite
		- Broken up along foliations
319.8	321	Feldspar Porphyry
		Massive crystalline
321	324	Talc Chlorite Schist
324	351	Mafic Volcanic
		Fine to medium grained < 1% pyrite
		- Fine grained is uniform black, medium grained is uniform dary grey
		- Some reddish alteration
		- Contacts sharp
		- Moderately magnetic
351	358	Feldspar Porphyry
		- Massive crystalline
		Very hard
358	516.6	Talc Chlorite Schist
		Foliated - Black to dark grey foliations vary from 60 - 30° CP

Hole No: 7-40

From	To	Description
358	516.6	(Continued) Fairly regular - Several mud seams - < 1% pyrite - occasional bleb
516	819	Carbonate Rock 516 - 621.7 - Chloritic grey carbonate dark grey to medium grey to black chlorite lenses 518.5 - 522 - Pyritic Porphyry Silicified, 5-10% Fine pyrite Overall good core recovery - mud seams at 558-560 160. - Foliated at 60° CP but some intervals are 30° CP - Lower contact sharp 530-533 Qtz and Pyrite - Some cualcopyrite 633 - 791.3 - Green carbonate - Fairly uniform texture - Foliated at 40° CP 100% Core Recovery 791 - 819 - Grey Carbonate - Chloritic, foliated - Increasing chloritization towards base of section - Siliceous - Lower contact sharp - Good core recovery
819	926 (860)	Talc Chlorite Schist 819 - 833 - Foliated 55° CP 833 - 926 Massive to foliated 100% Core recovery - Good core - Foliations 20° 70° CP - Talcy blebs throughout

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-41

Location:	17+05W; 3+08N	**Bearing:**	199°	**Dip:**	+1°
Logged by:	R. Allard	**Elev.:**	9036'	**Length:**	352'
Started:	Oct. 9/92	**Core:**	AQ		
Finished:	Oct. 21/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	40.0'	Sericitic andesites: 20% qtz, tr-2% py locally. -Good ground.
40.0	166.5'	Bleached/slightly ser'tic ands: 10-20% qtz, tr. pyrite. -Good ground.
166.5	351	Gry/grn carb.: 166.5-195 33-40% qtz vnlts @ all angles, tr.-1% pyrite locally. 166.5-175.0': int. brn por. vnlts. 195- Grey carbonate - med. grained fairly uniform colour. -Fault - 257 - 264 foliated and shearing // to core. -Some pervasive chlorite to end of section with minor shears @ 283 293-296, 299-300, 325-331 345-350 grnd out 352 EOH

SAMPLE RECORD SHEET

Hole No.: 7-41

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,601	0.0	5	5	.044	100	Ser. ands:	20	Tr.-2
2	5	10	5	.016	100	Ser. ands:	20	Tr.-2
3	10	15	5	.012	100	Ser. ands:	20	Tr.-2
4	15	20	5	.002	100	Ser. ands:	20	Tr.-2
13,605	20	25	5	.006	100	Ser. ands:	20	Tr.-2
6	25	30	5	.004	100	Ser. ands:	20	Tr.-2
7	30	35	5	.002	100	Ser. ands:	20	Tr.-2
8	35	40	5	.008	100	Ser. ands:	20	Tr.-2
9	40	45	5	.010	100	Blc'd ands:	10	Tr.
13,610	115	120	5	.020	100	Blc'd/ser'tic:	10	Tr.
1	120	125	5	.014	100	Blc'd/ser'tic:	10	Tr.
2	125	130	5	.560	100	Blc'd/ser'tic:	10	Tr.
3	130	135	5	.020	100	Blc'd/ser'tic:	10	Tr.
4	135	140	5	.046	100	Blc'd/ser'tic:	10	Tr.
13,615	140	145	5	.030	100	Blc'd/ser'tic:	10	Tr.
6	145	150	5	.656	100	Blc'd/ser'tic:	10-20	Tr.-1
7	150	155	5	.088	100	Blc'd/ser'tic:	10-20	Tr.-3
8	155	160	5	.014	100	Blc'd/ser'tic:	10-20	Tr.-3
9	160	163	3	.008	100	Blc'd/ser'tic:	10-20	Tr.-3
13,620	163	166.5	3.5	.004	100	Blc'd/ser'tic:	10-20	Tr.-3
1	166.5	170	3.5	.008	100	Gry/grn carb.:	33-40	Tr.-1
2	170	175	5	.006	100	Gry/grn carb.:	33-40	Tr.-1
3	175	180	5	.010	100	Gry/grn carb.:	33-40	Tr.-1
4	180	185	5	.040	100	Gry/grn carb.:	33-40	Tr.-1
13,625	185	190	5	.014	100	Gry/grn carb.:	33-40	Tr.-1

SAMPLE RECORD SHEET

Hole No.: 7-41

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,626	190	195	5	.008	100	Gry/grn carb.:	33-40	Tr.-1
7	195	200	5	.008	100	Gry/grn carb.:	20	Tr.-1
8	200	205	5	.002	100	Gry/grn carb.:	20	Tr.-1
13,629	205							

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-42

Location:	7+00W, 1+36S	**Bearing:**	355°	**Dip:**	-51°
Logged by:	R. Allard	**Elev.:**	9068	**Length:**	606
Started:	Nov. 2/92	**Core:**	BQ		
Finished:	Nov. 6/92				
Drill Co.:	Heath & Sherwood				

From	To	Description
0.0	75.0'	Tale Chlorite Schist: - Pinkish/grey, 10-15% quartz, veinlets Tr. pyrite - Good core recovery - Good ground
75.0	181.0'	Grey/green Carbonates: - 15-20% quartz veinlets at low to modern angles, trace pyrite - Good ground 83.0-87.0': Mafic dyke 140.0-181.0': Chloritized
181.0	213.0'	Grey/green Carbonate: 20-33% quartz veinlets at all angles, - Trace pyrite - Good ground
213.0	351.0	Fault zone: Chlorite schist, 10-15% quartz; trace of pyrite - Good ground

Hole No: 7-42

From	To	Description
213.0	351.0	(Continued) 241.0-280.0' Grey/green carbonates, 20-33% quartz, trace pyrite
351.0	465	Grey/green carbonates: Greyish/green, 15-20% quartz veinlets at moderate to high angles, trace pyrite
	438.0'	370.0-392.0': Pyritic carbonates 10-20% pot. veinlets, up to 8% py. loc. - Good ground
465	606	Talc Chlorite Schist (major break) Dark grey to black - talcose nodules Good core Good recovery - Some mud seams washed out - Foliations 30° - 60° CP - Last 10' All mud - Chlorite 606 EOH

SAMPLE RECORD SHEET

Hole No.: 7-42

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,639	111.0	116	5	.018	100%	Gry/green carb:	15-20%	Tr.
13,640	116	121	5	.008	"	" " "	" "	"
13,641	121	126	5	.004	"	" " "	" "	"
13,642	126	130	4	.002	"	" " "	" "	"
13,643	130	135	5	.006	"	" " "	" "	"
16,644	135	140	5	.016	"	" " "	" "	"
13,645	176	181	5	.004	"	" " "	" "	"
13,646	181	186	5	.004	"	" " "	" "	"
13,647	186	191	5	.002	"	" " "	" "	"
13,648	191	196	5	.006	"	" " "	" "	"
13,649	196	201	5	.008	"	" " "	" "	"
13,650	201	206	5	.004	"	" " "	" "	"
13,651	206	213	7	.002	"	" " "	" "	"
13,652	351	356	5	.020	"	" " "	" "	"
13,653	356	361	5	.008	"	" " "	" "	"
13,654	361	366	5	.004	"	" " "	" "	"
13,655	366	370	4	.006	"	" " "	" "	"
13,656	370	375	5	.002	"	Pyritic carb:	10-15% por vnlts	4%
13,657	375	381	6	.010	"	" " "	" "	"
13,658	381	386	5	.134	"	" " "	" "	3%
13,659	386	389	3	.040	"	" " "	" "	8%
13,660	389	392	3	.636	"	" " "	" "	8%
13,661	392	397	5	.020	"	Gry/grn carb:	15-20% qtz	Tr. Py

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-43

Location:	3+49N; 15+67W	**Bearing:**	150°	**Dip:**	-35
Logged by:	P. Atherton	**Elev.:**	9030'	**Length:**	493
Started:	Nov. 17/92	**Core:**	JKTA		
Finished:	Nov. 19/92				
Drill Co.:	H e a t h & Sherwood				

From	To	Description
0	24.1	Grey/green carbonate Brec'd to foliated texture tr. py. 1-5% qtz. Good core and recovery.
24.1	41.3	Grey to brown propnyry (aplite) crystalline light grey, massive 1-2% disseminated porpnyry 100% core recovery.
41.3	61.4	Grey/green carbonates 10-15% qtz., more mottled than pervious unit. -Brec'd with some foliations. Good core and recovery.
61.4	72	Aplite (brown porpnyry) dark grey to brown trace pyrite, crystalline texture. Good core and recovery.
72	98.6	Grey/green carbonate Mottled texture medium to dark olive green. Good core and recovery.
98.6	161.4	Brown porpnyry (aplite) & grey/green carbonate 1-4' bands of each rock type. Good core and recovery.

Hole No: 7-43

From	To	Description
161.4	364.3	**Andesite** 161.4-169.6 Sericitic andesite to bleached spherulitic, pillowed. Some masssive. 169.6-300.2 Bleached andesite to relatively unaltered. -Massive to pillowed to spherulitic texture. -Pervasive carbonate throughout entire length. -Grey to creamish grey. <1% pyrite. -Fairly massive texture although colour variations give it a mottled appearance <1% qtz. 300.2-362.4 Similar to above but with a definite foliation at 40^0 cp. Mottled grey green with slightly more bleaching. <5% qtz. <1% pyrite. 362.4-364.3 Bleached to sericitic andesite foliated 30^0 cp. Tr. pyrite, no qtz. -yellow green All of above - good core and recovery.
364.3	365	**Aplite (brown porpnyry)**
365	367.7	**Grey/green carbonate** Olive green, foliated $45\text{-}50^0$ cp., tr. py., 5% qtz.
367.7	369.6	**Aplite (brown porpnyry)**
369.6	371.3	**Grey/green carbonates** as above 365-367.7
371.3	379	**Aplite (brown porpnyry)** as above - more grey to pink.
379	386.3	**Grey/green carbonate** as above - more massive
386.3	389.3	**Brown porpnyry** as above - (whitish)

Hole No: 7-43

From	To	Description
389.3	441.6	**Grey/green carbonate** 389.3-432.1 Mottled olive green silicified, 25% qtz. in veins and vnlts Qtz veins are narrow - 0.3' or less Good core and recovery. 432.1-442.6 Chloritic - dark grey granular texture, foliated 50° cp. Good core and recovery.
441.6	493	**Talc chlorite scnist** Fairly massive texture, black to bluish black 10% qtz. Good core and recovery.
	493	EOH

SAMPLE RECORD SHEET

Hole No.: 7-43

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,918	364.3	367.7	3.4	.006	100	Brn. Por. Gry/grn	5	Tr.
13,919	367.7	371.3	3.6	.004	100	Brn. Por. Gry/grn carb.	5	Tr.
13,920	371.3	375	4.7	.008	100	Brn. Por.		Tr.
13,921	375	379	4	.010	100	Brn. Por.		Tr.
13,922	379	383	4	.002	100	Gry/grn carb.	5	Tr.
13,923	383	386.3	3.3	.004	100	Gry/grn carb.	5	Tr.
13,924	386.3	389.3	3	.006	100	Brn. Por.	5	Tr.
13,925	389.3	393	5	.008	100	Gry/grn carb.	25	Tr.
13,926	393	398	5	.004	100	Gry/grn carb.	25	Tr.
13,927	398	403	5	.018	100	Gry/grn carb.	25	Tr.
13,928	403	408	5	.002	100	Gry/grn carb.	25	Tr.
13,929	408	413	5	.004	100	Gry/grn carb.	25	Tr.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-44

Location:	3+49N; 15+67W	Bearing:	150^0	Dip:	+53.5^0
Logged by:	P. Atherton	Elev.:	9041'	Length:	390'
Started:	Nov. 13/92	Core:	JKTA		
Finished:	Nov. 17/92				
Drill Co.:	H e a t h & Sherwood				

From	To	Description
0	19.3	Grey/green carbonate -Mottled green to greyish green -Silicified - pervasive -1-2% qtz in veins -Trace pyrite -Good core and recovery.
19.3	26.4	Aplite (brown porpnyry) Massive, crystalline texture 1-2% pyrite (disseminated) Good core and recovery.
26.4	30.6	Grey/green carbonate Chloritic green, Brec'd, silicified, trace pyrite.
30.6	33.7	Aplite (brown porpnyry) as above, <1% to 1% pyrite.
33.7	42	Grey/green carbonate Speckled to fine grained, massive texture -Speckled texture due to epidote, acteration & leucoxene. -Trace pyrite. -Good core recovery.
42	71.2	Aplite (brown porpnyry massive coarse crystalline texture. 1-2% disseminated pyrite, occasional

Hole No: 7-44

From	To	Description
		inclusion of carbonate rock Good core and recovery.
71.2	81.8	Green carbonate Dark olive green to light olive green -Foliated texture 60° cp 1-2% pyrite - locally to 5% dissemiinated cubes. 5-10% qtz veins -Lower contact sharp @ 75° cp.
81.8	301.4	Andesite 81.8-112.9 - Sericitic to bleached pillowed, silicifed, pillowed 2-5% disseminated pyrite, silified to 95' with qtz veins 88.6-91.5 -Lower contact gradational -Good core recovery. 112.9-154 - Bleached & sericitic andesite pillowed, variolitic & spherulitic -Yellow, green - to light olive green -Trace pyrite - 5-10% qtz in narrow veins. 154-198.5 - Bleached to relatively unaltered andesite - pillowed 5% narrow qtz veins, <1% to 1% disseminated pyrite, dark olive green. -Qtz veins are in fractures -Pervasive carbonate - lower contact mud fault 9° cp. 198.5-301.4 - Bleached to sericitic andesite. -Bright olive green to dark olive green -<1% pyrite to trace. -Brec'd. -Mottled texture - darker intersections carbonated. - Brec'd, to foliated to massive lower contact sharp. -Core - broken up from 235 to 265' and from 198.5 to 210.
301.4	390	Carbonate rock 301.4-312.5 - qtz breccia 50% qtz with fracture carbonate rock -Dark grey/green with white qtz viens up to 8". - Trace pyrite. 312.5-375.2 - dark grey/green carbonate 30% qtz usually narrow qtz veins with occasional 4-5" vien. Trace pyrite. Good core and recovery.

Hole No: 7-44

From	To	Description
		375.2-380.3 - Foliated silicified, dark grey/green to whitish where qtz is most abundant. Trace pyrite. -Lower contact faulted. 380.3-390 - Chloritic fault zone foliated dark grey green.

SAMPLE RECORD SHEET

Hole No.: 7-44

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,902	67	71.2	4.2	.004	100	Brn porpn:	25	1-2
3	71.2	76	5.8	.006	100	Grn carb:	10	2-5
4	76	81.8	5.8	.006	100	Grn carb:	10	2-5
13,905	81.5	87	5.5	.002	100	Sericite:	10	2-5
6	87	92	5	.004	100	Sericite:	80	2-5
7	92	95	3	.004	100	Sericite:	25	2-5
8	301.4	304.5	3.1	.004	100	Carb. rock:	10	Tr.
9	304.5	308.5	4	.004	100	Qtz brec'd:	75	Tr.
13,910	308.5	312.5	4	.008	100	Qtz brec'd:	50	Tr.
11	312.5	317	4.5	.002	100	Carb w qtz:	30	Tr.
12	317	322	5	.002	100	Carb w qtz:	30	Tr.
13	322	327	5	.004	100	Carb w qtz:	30	Tr.
14	327	332	5	.006	100	Carb w qtz:	30	Tr.
13,915	332	337	5	.004	100	Carb w qtz:	30	Tr.
16	337	342	5	.002	100	Carb w qtz:	30	Tr.
13,917	342	347	5	.004	100	Carb w qtz:	30	Tr.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-45

Location:	3+49N 15	**Bearing:**	150°	**Dip:**	+45°
Logged by:	P. Atherton	**Elev.:**	9041	**Length:**	364
Started:	Nov. 11/92	**Core:**	J K T A		
Finished:	Nov. 14/92				
Drill Co.:	Heath & Sherwood				

From	To	Description
0	15.7	Grey/Green Carbonate Mottled grey green 5-10% - Narrow veins and stringers Trace pyrite Good core and recovery
15.7	17	Brown Porphyry (Aplite) Crystalline
17	19.7	Grey/Green Carbonate Dark - Chloritic green brecciated
19.7	23.1	Brown Porphyry (Aplite) Massive as above
23.1	27.8	Grey/Green Carbonate Same as 17-19.7
27.8	28.8	Brown Porphyry (Alpite)
28.8	30.1	Grey/Green Carbonate As above
30.1	36	Brown Porphyry (Aplite) More fractured than above 1-2% pyrite - disseminated and along fractures Massive to crystalline Good core and recovery Grey/Green Carbonate

Hole No: 7-45

From	To	Description
30.1	36	(Continued) Good core and recovery
36	40.2	Grey/Green Carbonate Green-Spotted Massive
40.2	54.2	Brown Porphyry With Grey/Green Carbonate 70% Brown Porphyry with 30% brecciated and massive green carbonate. Trace pyrite in carbonate 1% pyrite in the brown porphyry
54.2	68.6	Grey/Green Carbonate 10-15% Quartz Pale grey to green Trace pyrite Lower contact sharp at 50° CP Good core and recovery
68.6	207	Andesite 68.6-154.7 Unrivlitlc and sphrulitic sericitic andesite and bleached andesite Pillowed to 125 where sericite most conspicuous and spherulites are most common - particularly in pillow selvages - Less sericite and more massive after 125' 5-10% quartz to 95' Pyrite 1-2% and most common at the top of the section with quartz whre sericitization is most intense. 154.7-20% Bleached to relatively unaltered andesite - medium to light grey to green, dark olive green - Carbonated - pervasive carbonate and in fractures. - Varolites occur towards the base of the section within what appear to be pillow selvages. <1% pyrite with the occasional paten of pyrite cubes

Hole No: 7-45

From	To	Description
68.6	207	Andesite - Contact with below is faulted - Brecliated for last 5' - Good core and recovery except at contact
207	364	Grey/Green Carbonate 207-237 - Quartz breccia and brecciated green carbonate 60-75% White quartz in veins and as breccia fragments Some chloritic quartz breccia where faults occur. Fault 221 and contact < 1% pyrite. 237-258.3 - Grey/green carbonate 25% narrow, irregular quartz veins fractured with quartz fillings. - Shearing at all angles to core - Fault at 243 258.3 - 292 - Quartz breccia and sheared carbonate 50-75% quartz contained primarily in larger quartz veins up to 1' to 1 1/2' 292-307 Bright olive green, fairly massive 10-15% Quartz - Trace pyrite 307-327 - Bright Olive Green with 25-30% quartz - Foliated at all angles to core - Fractures silicified < 1% pyrite 327-364 - Foliated chloritic carbonate Foliations 40° CP - Close to south break - Chloritic shear zone - 2' fault breccia at end of hole 364 EOH

SAMPLE RECORD SHEET

Hole No.: 7-45

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,681	30.1	36	5.9	.008		Brown Porph.		
13,682	36	40.2	4.2	.012		Green Carbonate		
13,683	68	74	5.4	.004		Ser. And.	1-5%	1-2%
13,684	74	79	5.0	.012		" "	"	"
13,685	79	84	5.0	.016		" "	"	"
13,686	84	89	5.0	.002		" "	"	"
13,687	89	94	5.0	.004		" "	3-10%	2-5%
13,688	94	99	5.0	.006		" "	1-5%	"
13,689	207	212	5.0	.006		Qtz. Bx	60%	1%
13,690	212	217	5.0	.002		"	"	"
13,691	217	222	5.0	.050		"	"	"
13,692	222	227	5.0	.008		"	"	"
13,693	227	232	5.0	.004		"	"	"
13,694	232	237	5.0	.008		Qtz. Bx	75%	"
13,695	258.3	262	3.7	.010		"	"	"
13,696	262	267	5.0	.001		"	"	"
13,697	267	272	5.0	.006		"	"	"
13,698	272	277	5.0	.004		"	"	"
13,698	272	277	5.0	.004		"	"	"
13,699	277	282	5.0	.002		"	"	"
13,700	282	287	5.0	.002		"	"	"
13,701	287	392	5.0	.004		"	"	"

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-46

Location:	3+49, 15+67W	**Bearing:**	150	**Dip:**	-45°
Logged by:	P. Atherton	**Elev.:**	9030	**Length:**	511
Started:	Nov. 9/92	**Core:**	JKTA		
Finished:	Nov. 11/92				
Drill Co.:	Heath & Sherwood				

From	To	Description
0	46.7	Grey/Green Carbonate - More grey for 14'where small fault 40° CP occurs - Green carbonate with 10% quartz to 46.7 - Narrow, good core recovery - Good core <1% pyrite
46.7	58.4	~~Alpite~~ Aplite (Brown Porphyry) Brown to grey crystallie inclusions of grey/green carbonate - < 1% py. ---> tr. - Good core
58.4	64.8	Grey/Green Carbonate 10% qtz. - Narrow irregular veins and bleds - Fractured < 1% pyrite Good core and recovery
64.8	133.7	Aplite (Brown Porphyry) Crystalline, Grey/Brown Massive texture - 1-2% pyrite - Mostly in fractures - Some disseminated - Pyrite occurs disseminated where unit is finer grained and more glassy - Good core and recovery

Hole No: 7-46

From	To	Description
133.7	151.2	Grey Green Carbonate Mostly green foliated 40^0 CP - 10% Qt. Good recovery
151.2	154.1	Aplite (Brown Porphyry) Massive crystalline
154.1	169.1	Grey/Green Porphyry and Aplite Alternate bands and intersections of aplite and grey green carb.
169.1	463.4	Andesite 169.1-217.2 - Sericitic/Variolitic Andesite Variolites are sericite - Yellow green in bleached andesite. Sericitic intervals - 75% Yellow green - Fine grained mottled texture. - Good core and recovery. - Trace pyrite. 217.2-285.4 - Relatively unaltered andesite to slightly bleached - Fairly massive and uniform texture 1-2% quartz - Small irregular fractures Fault 268.5-269.5 285.4-410.7 - Bleached Andesite Massive uniform to brecciated or foliated - Rare variolitic unit - Light grey green to pale green - <1% pyrite - Good core recovery
	(445)	410.7-463.4 - Sericitic Andesite Bright yellow green, pillowed variolitic 5% quartz with larger veins at 461 and 450 - 5-10% pyrite locally - In fractures and disseminted
463.4	474.8	Foliated at 50^0 CP Good core/recovery
463.4	474.8	Alpite (Brown Porphyry) Massive Crystalline 1-2% Disseminated Pyrite - Inclusion of volcanic 465-466
474.8	502	Carbonate Rock 474.8-487.4 - Olive green, foliated 10-15% quartz - No major veins

Hole No: 7-46

From	To	Description
474.8	502	Carbonate Rock 474.8 - 487.4 - Olive green, foliated 10-15% quartz - No major veins 487.4 - 502 - Chloritic - Dark green to greenish black Foliated 40° CP - Fractured 20% Quartz Good core recovery
502	511	Talc Chlorite Schist Black with 10-15% quartz Good core and recovery 511' EOH

SAMPLE RECORD SHEET

Hole No.: 7-46

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13662	410.7	415	4.3	.006	100%	Seric And.	1-5%	5-10%
13663	415	420	5.0	.002	"	"	"	"
13664	420	425	5.0	.02	"	"	"	"
13665	425	430	5.0	.008	"	"	"	"
13666	430	435	5.0	.006	"	"	"	"
13667	435	440	5.0	.010	"	"	"	"
13668	440	445	5.0	.046	"	"	"	"
13669	445	450	5.0	.014	"	"	"	"
13670	450	455	5.0	.004	"	"	"	"
13671	455	460	5.0	.002	"	"	"	"
13672	460	463.4	3.4	.018	"	"	"	"
13673	463.4	469	5.6	.002	"	"	"	"
13674	469	474.8	5.8	.004	"	"	"	"
13675	474.8	480	5.2	.006	"	Grn.Carbonate	20% Qtz	<1%
13676	480	485	5.0	.008	"	"	"	"
13677	485	490	5.0	.002	"	"	"	"
13678	490	495	5.0	.004	"	"	"	"
13679	495	500	5.0	.006	"	"	"	"
13680	500	502	2.0	.002	"	"	"	"

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-47

Location:	3+49N; 15+67W	**Bearing:**	172°	**Dip:**	-35
Logged by:	P. Atherton	**Elev.:**	9030'	**Length:**	505'
Started:	Nov. 19.92	**Core:**	JKTA		
Finished:	Nov. 23/92				
Drill Co.:	H e a t h & Sherwood				

From	To	Description
3	5	Grey/green carbonate Broken up.
5	16.7	Aplite (brown porpnyry) Crystaline, white
16.7	23.3	Grey/green carbonate 25% qtz, brec'd, <1% pyrite Good core and recovery.
23.3	39.6	Brown porpnyry (Aplite) as above, some grey/green carb inclusions.
39.6	44.5	Grey/green carbonate as above
44.5	86.8	Aplite (brown porpnyry) massive crystalline, <1% pyrite - locally up to 1% disseminated, some narrow -carbonate intersections, massive Good core and recovery.
86.8	108.7	Grey/green carbonate 25%qtz, dark olive green, <1% pyrite.
108.7	109.9	Aplite (brown porpnyry)

Hole No: 7-47

From	To	Description
109.9	113.4	Grey/green carbonate
113.4	117	Aplite (brown porpnyry)
117	126	Grey/green carbonate Brec'd & foliated at all angles to core Dark olive green, <1% pyrite Good core recovery.
126	442.8	Andesite 126-171.4 - Bleached andesite, pillowed & carbonated. -Spherulitic - usually in pillow sellages <1% pyrite - very rare, - dark green 5% qtz in veins Good core recovery. 185-216.5 - Bleached andesite relatively unaltered andesite, carbonated - massive 1% qtz - tr. pyrite. 216.5-248 - sericitic to bleached andesite, spherulitic to massive texture 5% qtz., <1% pyrite. Good core recovery.
248	344.2	Bleached andesite Bleached to unaltered andesite pervasive carbonate, 1-5% qtz in narrow vnlts, <1% pyrite. - dark olive green, - massive to pillowed - some spherulites. Good core and recovery.
344.2	399.1	Serticitic andesite Massive to pillowed texture, bright olive green. 1-2% qtz, 1-5% pyrite fine disseminated cubes, foliated 50° cp. Good core and recovery
399.1	424.6	Brecciated Sericitic Andesite Greyish olive green, -bright -Silicified 1-2%fine disseminated py. Good core and recovery.
424.6	442.8	Serilite - sericitic andesite Foliated, silicified to brec'd texture.

Hole No: 7-47

From	To	Description
		5% pyrite disseminated and with qtz veins foliations @ 50° cp. 15-20% qtz. with narrow qtz. veins up to 3". Good core and recovery.
442.8	480.5	Grey/green carbonate 442.8-463.2 - olive green with 50-75% qtz. VG @ 444.5-445 - very fine gold @454 - very fine gold -some qtz - brown porpnyry blebs <1% pyrite - very rare Brec'd and qtz veins very irregular. Good core and recovery. 463.2-480.5 - Chloritic carbonate 10% qtz, massive to brec'd Good core and recovery.
480.5	505	Talc chlorite scnist Black to bluish black, fairly massive appearance, although vague foliations @ 50° cp.
	505	EOH

SAMPLE RECORD SHEET

Hole No.: 7-47

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,930	171.4	175	4.6	.004		Sericite:	5	1
1	175	180	5	.010		Sericite:	5	1
2	180	185	5	.002		Sericite:	10-15	2
3	399.1	403	3.9	.002		Ser. Brec'd:	5	5
4	403	408	5	.004		Ser. Brec'd:	5	5
13,935	408	413	5	.020		Ser. Brec'd:	5	5
6	413	418.5	5.5	.026		Ser. Brec'd:	5	5
7	418.5	424.6	6.1	.006		Ser. Brec'd:	5	5
8	424.6	430	5.4	.012		Ser. Sil.:	20	5
9	430	435	5	.028		Ser. Sil.:	20	5
13,940	435	439	4	.284		Ser. Sil.:	20	5
1	439	442.8	3.8	.004		Ser. Sil.:	20	5
2	442.8	448	5.2	.192		VG gry/grn carb.:	50-75	
3	448	453	5	.006		gry/grn carb:	50-75	
4	453	458	5	.294		VG gry/grn carb.:	50-75	
13,945	458	463.2	5.2	.388		gry/grn carb:	50-75	
13,946	463.2	468	5	.002		gry/grn carb:	50-75	

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-48

Location:	3+49N; 15+67W	**Bearing:**	172°	**Dip:**	+35
Logged by:	P. Atherton	**Elev.:**	9041	**Length:**	336'
Started:	Nov. 24/92	**Core:**	JKTA		
Finished:	Nov. 25/92				
Drill Co.:	H e a t h & Sherwood				

From	To	Description
0	9.7	Grey/green carbonate 1-2% qtz., <1% pyrite. Good core and recovery.
9.7	16	Aplite (brown porpnyry) Good core.
16	21.8	Grey/green carbonate
21.8	24.8	Aplite (brown porpnyry)
24.8	27.7	Grey/green carbonate
27.7	31.1	Aplite (brown propnyry)
31.1	34.6	Grey/green carbonate
34.6	36	Aplite (brown porpnyry)
36	37	Grey/green carbonate
37	39.4	Aplite (brown porpnyry)
39.4	43.2	Grey/green carbonate

Hole No: 7-48

From	To	Description
43.2	50.9	Aplite (brown porpnyry)
50.9	74.2	Grey/green carbonate 25% qtz., olive green, mottled texture. 1-2% pyrite. Good core and recovery.
74.2	207.5	Andesite 74.2-96.2 - Sericitic to bleached andesite, foliated texture <1% pyrite, 1-2% qtz., - locally up to 5% Good core recovery. 96.2-207.5 - Bleached andesite carbonated -Pervasive with a strong reaction to Hcl. -Spherulites at various intervals -Occasional pillow lava <1% pyrite, very rare - 5-10% qtz., narrow vnlts - sericitic towards the base of the section.
207.5	336	Grey/green carbonate rock 207.5-220 - Qtz. breccia 50-75% qtz VG from 207.5-210 - numerous specks and clusters. Qtz is breciated with the carbonate which is a dull olive green. VG - small specks 218.5-220 -Core badly broken 218-220 220-259.1 - Grey/green carbonate 25-35% qtz - with some veins up to 8" foliated at all angles to the core & brec'd, <1% pyrite Good core and recovery. 259.1-264.4 - Qtz. breccia 50% qtz., grey brec'd carb., <1% pyrite Good core and recovery. 264.4-288.7 - Green carbonate & qtz. 33% qtz in a brec'd green carb. <1% py. Good core and recovery. 288.7-330.5 - Chloritic carbonate, foliated - 5-10% qtz., no pyrite. Good core and recovery. 330.5-336 - Chloritic fault zone Chloritic carbonate Fault zone.
	336	EOH

SAMPLE RECORD SHEET

Hole No.: 7-48

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,947	203	207.5	4.5	.004	100	Blc'd ands:	5-10	1-2
8	207.5	212.5	5	1.486	100	VG qtz. brec'd:	75	1-2
9	212.5	215.5	3	.028	100	Qtz. brec'd:	50	1-2
13,950	215.5	218	2.5	.006	100	Grn carb. & Qtz breccia:	25	<1
1	218	220	2	.126	br.	VG qtz. brec'd:	50	<1
2	220	225	5	.004	100	Gry/grn carb:	50	<1
3	225	230	5	.006		Gry/grn carb:	50	<1
4	230	235	5	.044		Gry/grn carb:	50	<1
13,955	235	240	5	.008		Gry/grn carb:	50	<1
6	240	245	5	.004		Gry/grn carb:	50	<1
7	245	250	5	.004		Gry/grn carb:	50	<1
8	250	255	5	.002		Gry/grn carb:	50	<1
9	255	259.1	4.1	.002		Gry/grn carb:	50	<1
13,960	259.1	264.4	5.3	.004		Qtz bx:	50	<1
1	264.4	269	4.6	.004		Grn carb & qtz:	30	Tr.
13,962	269	274	5	.006		Grn carb & qtz:	30	Tr.
				.002		Grn carb & qtz:	30	Tr.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-49

Location:	3+49N; 15+67W	**Bearing:**	172°	**Dip:**	-45
Logged by:	P. Atherton	**Elev.:**	9030	**Length:**	745'
Started:	Nov. 25/92	**Core:**	JKTA		
Finished:	Dec. 2/92				
Drill Co.:	H e a t h & Sherwood				

From	To	Description
0	10.5	Grey/green carbonate Dark greenish grey to olive green foliated 30° cp.
10.5	14.1	Aplite (brown porpnyry) Greyish to brown qtz., crystalline.
14.1	71	Grey/green carbonate 10% qtz., olive green, foliated texture 30° cp, <1% pyrite. Good core and recovery.
71	76.4	Aplite (grey/brn porpnyry) Crystalline, greyish brown, 1-2% disseminated pyrite, massive Good core and recovery.
76.4	82.4	Grey/green carbonate as above
82.4	90.6	Aplite (grey porpnyry) massive - grey 1% pyrite Crystals still vaguely visible
90.6	129.4	Grey/green carbonate More grey, foliated, 1-5% pyrite Good core and recovery.

Hole No: 7-49

From	To	Description
129.4	137.5	Aplite (grey propnyry) White to creamy white <1% pyrite
137.5	562	Andesite 137-215.9 - unaltered to bleached andesite, massive, to pillowed to spherulitic. Carbonate pervasive - vigourous reaction to Hcl. Tr. py. 1-2% qtz - usually qtz/carb. vnlts. 1/4" wide. Good core and recovery. 215.9-233.3 - Sericitic to bleached andesite - spherulitic pillow lava <1% pyrite, little qtz. Good core recovery. 233.3-255.3 - unaltered - massive 255.3-361.8 - bleached with some sericitic intersections, massive uniform texture. - carbonated. 5% qtz., trace pyrite. 361.8-396.4 - Sericitic with bleached andesite, pale olive green - spherulitic and pillowed <2% pyrite, 1-2% qtz. 396.4-503 - massive, dark olive green with occasional spherulite & pillow sellage. - Pervasive carbonate with moderate reaction to Hcl. <1% pyrite, 1-5% qtz in narrow stringers. 503-562 - Bleached to sericitic pillow lava. 5% qtz. - foliated 30^{0} cp - more intense shearing towards the base of the section. <1% pyrite - occasional cube - dark olive green Good core and recovery.
562	621.5	Carbonate rock 562-567 - Chloritic carbonate and qtz veins 25% qtz., dark grey to black <1% pyrite 567-611.5 - Chloritic carb., foliated 30^{0} cp. <5% qtz., trace pyrite 611.5-621.5 - Qtz. Breccia 50% white quartz, trace pyrite.
621.5	633.6	Pyritic porpnyry Brown porpnyry to pyritic porpnyry with some grey/green carbonate up to 10%

Hole No: 7-49

From	To	Description
		pyrite usually very fine. Grey to pinish - massive crystalline to criss-crossed with narrow quartz veins. Core is broken up - more than pervious.
633.6	676.4	Carbonate rock 633.6-663.2 - Quartz breccia and carbonate rock - 50% qtz. 663.2-676.4 - Massive grey/green carbonate 2% pyrite.
676.4	738.8	Talc chloritic scnist Fault zone 25% qtz., trace pyrite Good core recovery, broken core.
738.8	745	Andesite Unaltered, carbonated narrow stringer qtz., <1% pyrite. Good core and recovery.
	745	EOH

SAMPLE RECORD SHEET

Hole No.: 7-49

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,965	552	557	5	.018		Ser. ands:	1-5	5
6	557	562	5	.004		Ser. ands:	1-5	5
7	562	567	5	.002		Carb & qtz bx:	25	Tr.
8	567	572	5	.008		Chl. carb.:	25	Tr.
13,669	611.5	616.5	5	.006		Qtz. breccia:	50	Tr.
13,670	616.5	621.5	5	.004		Qtz. breccia:	50	Tr.
1	621.5	626.5	5	.002		Py. Porp.:	5	10
2	626.5	630	5	.004		Py. porp.:	5	10
3	630	633.6	3.6	.264		Py. porp:	5	10
4	633.6	637	3.4	.012		Qtz. breccia carb. rock:	50	Tr.
13,675	637	642	5	.054		Qtz. breccia carb. rock:	50	Tr.
6	642	647	5	.036		Qtz. breccia carb. rock:	50	Tr.
7	647	652	5	.024		Qtz. breccia carb. rock:	50	Tr.
8	652	657	5	.038		Qtz. breccia carb. rock:	50	Tr.
13,679	657	663.2	6.2			Qtz. breccia carb. rock:	50	Tr.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-50

Location:	3+49N 15+67W	**Bearing:**	172°	**Dip:**	+45
Logged by:	P. Atherton	**Elev.:**	9041	**Length:**	400'
Started:	Dec. 02/92	**Core:**	JKT-A		
Finished:	Dec. 04/92				
Drill Co.:	Heath & Sherwood				

From	To	Description
0	11.9	Grey/Green Carbonate - 5-10% Quartz - Olive green - mottled texture <1% pyrite
11.9	25.4	Aplite (Brown Porphyry) Massive crystalline
25.4	32	Grey/Green Carbonate
32	71	Aplite & Grey/Green Carbonate Narrow Int. of each - Good core and recovery
71	83.9	Grey/Green Carbonate 10% Qtz. <1% pyrite Foliated 25° to 30° CP - Olive green - Good core and recovery
83.9	249.8	Andesite (As Below) 83.9 - 98 Olive green, fine grained Pillowed - Sericitic Andesite 2% Pyrite - Concentrated in narrow intersections and some less common disseminated grains 98 - 134.7 - Spherulitic, sericitic andesite Pillowed Dark olive green to pale green where sericitization more intense

Hole No: 7-50

From	To	Description
83.9	249.8	(Continued) 134.7 - 183.4 - Bleached, carbonated andesite 1-5% quartz carbonate veins Carbonate is pervasive - Pillowed, variolitic and spherulitic 183.4 - 208.1 - Sericitic to bleached - Pillowed - 5-10% Qtz. - Good core and recovery 208.1 - 224 - Massive coarse to medium grained - Intense reaction to HCI - Faulted - Chloritic - Poor core recovery and quality - Badly broken up 224-237 - Fractured - More bleached than above - Qtz. vein 236' (5-6") - Poor core and recovery 237-242.2 Brown Porphyry 242.2 - 249.8 - Sericitic andesite - Light to medium olive green 1-2% pyrite Good core and recovery 5% qtz.
249.8	255.3	Brown Porphyry Massive crystalline - Recrystalized Carbonate rock 255.3 - 265.4 - Quartz Breccia 50-75% Quartz Broken up and fractured - resealed 365.4-320 - Grey Green Carbonate 25% Quartz - Narrow and irregular stringers - < 1% pyrite - Good core and recovery 320 - Chloritic Carbonate (Fault Zone) up to 50% qtz. - 75% qtz.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-51

Location:	17+07W 2+93N	**Bearing:**	193°	**Dip:**	42
Logged by:	P. Atherton	**Elev.:**	9033	**Length:**	340'
Started:	Dec. 07/92	**Core:**	JKT-A		
Finished:	Dec. 09/92				
Drill Co.:	Heath & Sherwood				

From	To	Description
0	128.7	Andesite 0-68 - Bleached Andesite Massive to pillowed and spherulitic - Intense reaction to HCI 5-10% narrow quartz carbonate veinlets up to 1/4" - 1/2" - Veining irregular - Dark olive green - Fairly uniform <1% pyrite - very rare 68-113 - Sericitic Andesite 2-5% pyrite - Olive green, pillowed 5% quartz - Large vein 102.8 - 104 113-128.7 - Sericite - To sericitized andesite Yellow green - silicfied - 1-2% pyrite - 5-10% quartz - no major veining - Quartz has a lustre
128.7	138.3	Grey/Green Carbonate and Quartz Breccia 30-50% white quartz Brecciated < 1% Pyrite
138.3	147.2	Aplite (Grey Porphyry) Crystalline Massive - Good core and recovery

Hole No: 7-51

From	To	Description
147.2	333.5	**Carbonate Rock** 147.2 - 173.0 - Grey/green carbonate Foliated 45° CP - 33% quartz - narrow stringers 50% quartz to base of section - Olive green 173-245.4 - Chloritic carbonate - darker green - Fault at contact 10% Quartz - Core is more broken up 245.4 - 296 - Chloritic carbonate Silicified 25% quartz - fragments And veinlets - Dark olive green - <1% pyrite - Good core and recovery 296-333.5 - Chloritic carbonate (Fault Zone) - 33% quartz - Chlorite seams and slips throughout core - Moderate core more broken up < 1% pyrite - Recovery good
333.5	340	**Talc Chlorite Schist** Foliated 45° CP - Dark grey/green to black 340 EOH

SAMPLE RECORD SHEET

Hole No.: 7-51

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13390	68	73	5.0	.012	100%	Sericitic And.	5%	2-5%
13991	73	78	5.0	.004	"	"	"	"
13992	78	83	5.0	.006	"	"	"	"
13993	83	88	5.0	.008	"	"	"	"
13994	88	93	5.0	.002	"	"	"	"
13995	93	98	5.0	.002	"	"	"	"
13996	96	103	5.0	.006	"	"	"	"
13997	103	108	5.0	.004	"	"	"	"
13998	108	113	5.0	.006	"	"	"	"
.3999	113	118	5.0	.006	"	"	5-10%	1-2%
14000	118	123	5.0	.004	"	"	"	"
14101	123	128.7	5.7	.004	"	"	"	"
14102	128.7	133	4.3	.008	"	Qtz. Brec.	30-50%	<1%
14103	133	138.3	5.3	.006	"	"	"	"
14104	138.3	143	4.7	.002	"	Grey Por.	100%	"
14105	143	147.2	4.2	.004	"	" "	"	"
14106	147.2	153	5.8	.008	"	Grey/Grn. Por.	33%	"
14107	153	158		.002				
14108	158	163		.006				
14109	163	168		.002				
14110	168	173		.004				

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-52

Location:	17+07W 2+93N	**Bearing:**	193°	**Dip:**	-70
Logged by:	P. Atherton	**Elev.:**	9033	**Length:**	825
Started:	Dec. 09, 1992	**Core:**	JKT-A		
Finished:	Dec. 18, 1992				
Drill Co.:	Heath & Sherwood				

From	To	Description
0		Andesite 0.14.1 - Dark Grey - Relatively unaltered andesite, massive, carbonated 14.1 - 65.9 - Sericitic pillow lava 1-2% Pyrite - Disseminated - Yellow/Green - 5-10% Quartz - Large vein 19-20.5 65.9 - 114.4 - Bleached Andesite - Carbonated - pervasive - Fairly massive texture with occasional pillow - <1% pyrite - 1-5% quartz 96.3 - Fault 114.4 - 136 - Sericite and sericitic andesite - Spherulitic, pillowed < 1% pyrite 1-5% quartz 136-139.3 - Quartz Vein Breccia - 2% py. - 5% py. VG - 137.5 - Very Fine Gold 139.3 - 211.5 - Bleached to sericitic andesite carbonated, spherulitic and variolitic <1% pyrite 211.5-293.3 - Sericite and sericitic volcanics - Bleached yellow/green - 1-2% pyrite - up to 5% pyrite - most of pyrite from 211.5 - 241

Hole No: 7-52

From	To	Description
		Where pyrite is 5% and quartz up to 10% of total 293.3 - 359.7 - Bleached carbonated andesite Spherulitic pillow lava - More bleached near quartz veins - Good core and recovery 1-2% quartz <1% pyrite 359.7 - 376.1 Sericitic Andesite - Faults at 369-370 375-376 - 5% quartz 2% pyrite - core fractured 376.1-474 - Sericitic Andesite to sericite - 5-10% qtz - 2-5% pyrite - pillowed - foliated 30^0 CP - Silcipication most intense from 420-465 - Most intense sericitization from 465 to 475. 474-523.3 - Fault and brecciated andesite - Yellow/green sericite foliated at 30^0 to 50^0 CP - 5-10% quartz - fragments. - Chloritic fault at 510' 1-2% pyrite - disseminated cubes - Fault matrix contains some chlorite 523.3 - 560 uniform green 1-2% quartz 1-2% pyrite - mostly near quartz veins - Green sericitic - foliation 20-30^0 CP 560-579 - Large quartz vein at 562 and 563.5 - Good core although some intersections are broken up. - Sericite and silcified sericitized andesite - light olive green foliated 25^0 CP - 5-10% quartz - 560-564 - 2 large quartz veins 1-2% pyrite - Good core and recovery 579-711 - Sericitic to bleached andesite - 60% badly broken up core - Spherulitic - 1-2% pyrite - 1-2% quartz

Hole No: 7-52

From	To	Description
		- Fault breccia from 615 - 670 - Core fractured, brecciated and some chloritization 711-789 - Bleached to sericitic andesite - Large vein quartz - 711-712.75, 757-759 - Core is bulky with some chloritic partings - <1% pyrite
789	825	Talc chlorite schist

SAMPLE RECORD SHEET

Hole No.: 7-52

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
14111	131	136	5.0	.028		Ser. Andesite	1-5%	<1%
14112	136	139.3	3.3	.640		Qtz. Vn.	100%	VG
14113	139.3	144	4.7	.016		Bleachd And.	1-5%	<1%
14114	170	175	5.0	.002		Bleach. And. Qtz. Vein	5%	2%
14115	211.5	215	4.5	.018		Sericitic Volc.	5-10%	5%
14116	215	220	5.0	.002		"	"	"
14117	220	225	5.0	.004		"	"	"
14118	225	230	5.0	.034		"	"	"
14119	230	235	5.0	.048		"	"	"
14120	235	241	6.0	.078		"	"	"
14121	241	246	5.0	.004		Ser. Ande.	2-5%	1-2%
14122	246	251	5.0	.010		"	"	"
14123	251	256	5.0	.002		"	"	"
14124	256	261	5.0	.004		"	"	"
14125	261	266	5.0	.062		"	"	"
14126	266	271	5.0	.008		"	"	"
14127	271	276	5.0	.020		"	"	"
14128	276	281	5.0	.008		"	"	"
14129	281	286	5.0	.006		"	"	"
14130	286	290	4.0	.004		"	2-5%	1-2%
14131	290	293.3	3.3	.002		"	"	"
14132	359.7	365	5.3	.006		"	5%	2%
14133	365	370	5.0	.004		"	"	"
14134	370	376.1	6.1	.002		"	"	"
14135	420	425	5.0	.008		"	5-10%	2-5%
14136	425	430	5.0	.036		"	"	"

SAMPLE RECORD SHEET

Hole No.: 7-52

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
14137	430	435	5.0	.048		Ser. And.	5-10%	2-5%
14138	435	440	5.0	.020		" "	" "	" "
14139	440	445	5.0	.008		" "	" "	" "
14140	445	450	5.0	.016		" "	" "	" "
14141	450	455	5.0	.002		" "	" "	" "
14142	455	460	5.0	.028		" "	" "	" "
14143	460	465	5.0	.010		" "	" "	" "
14144	465	470	5.0	.012		" "	" "	" "
14145	470	474	4.0	.020		" "	" "	" "
14146	474	479	5.0	.014		Ser. Fault Zone	" "	" "
14147	479	484	5.0	.008		" "	" "	" "
14148	484	489	5.0	.004		" "	" "	" "
14149	489	494	5.0	.006		" "	" "	" "
14150	494	499	5.0	.004		" "	" "	" "
14151	499	504	5.0	.006		" "	" "	" "
14152	504	509	5.0	.008		" "	" "	" "
14153	509	514	5.0	.002		" "	" "	" "
14154	514	519	5.0	.004		" "	" "	" "
14155	519	523.3	4.3	.006		" "	" "	" "
14156	555	560	5.0	.066		" "	" "	" "
14157	560	565	5.0	.002		" "	" "	" "
14158	565	570	5.0	.004		" "	" "	" "
14159	570	575	5.0	.006		" "	" "	" "
14160	575	579	4.0	.004		" "	" "	" "
14161	700	705	5.0	.016		" "	" "	" "
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		" "	" "	" "

SAMPLE RECORD SHEET

Hole No.: 7-52

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
14163	710	715	5.0	.004		Ser. Fault Zone	5-10%	2-5%
14164	715	720	5.0	.002		"	"	"
14165	720	725	5.0	.006		"	"	"
14166	725	730	5.0	.004		"	"	"
14167	730	735	5.0	.002		"	"	"
14168	735	740	5.0	.002		"	"	"
14169	740	745	5.0	.006		"	"	"
14170	745	750	5.0	.008		"	"	"
14171	750	755	5.0	.004		"	"	"
14172	755	760	5.0	.004		"	"	"
14173	760	765	5.0	.006		"	"	"

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-53

Location:	2+92N 17+03W	**Bearing:**	152°	**Dip:**	-15°
Logged by:	P. Atherton	**Elev.:**	9033	**Length:**	417'
Started:	Dec. 18/92	**Core:**	JKT-A		
Finished:	Dec. 22/92				
Drill Co.:	Heath and Sherwood				

From	To	Description
		*** Drill hole intersected water seam ± 450 lb. pressure - 5 shifts before plugged ***
0	211.3	Andesite 0-16 - Carbonated bleached andesite - Spherulitic - Carbonate - pervasive - Fairly massive - Pillowed 16-28.9 - Sericitic Andesite - Bleached yellow/green to bright green - Spherulitic - Pillowed < 1% pyrite 28.9 - 33.5 - Quartz Vein - Quartz breccia - 1-2% pyrite along fractures - Serilite in seams - Good contacts 33.5 - 87.5 - Sericitic Andesite - Pale Yellow Green - Some carbonate - 1-2% pyrite - locally up to 5% pyrite - Tension fractures with quartz carbonate veins - 1-5% quartz veins - usually narrow - Large vein 77.8-78.6 87.6-107.7 - Quartz breccia and sericitic shear 60% quartz veins

Hole No: 7-53

From	To	Description
0	211.3	(Continued) 15% pyrite in sericitic sections 1-2% pyrite in the quartz veins VG - 78.7, 95.3, 102 - Very fine gold - Andesite foliated to brecciated 107-7-168.0 - Sericitic Andesite pillowed, bright olive green 1-2% pyrite - 2% Quartz - usually veins 1-2" with the odd narrow stringer - These veins may be faults - Spherulitic 168.0 - 211.3 - Sericitic and silicified andesite - Darker green than above Fractured with quartz in filling - 5-10% quartz - Up to 4" - usually 1-2" 2%-5% pyrite
211.3	235.1	Grey/Green Carbonate Quartz breccia and grey/green carbonates 50% quartz in form of large veins - Also quartz in several smaller veins that intersect the core at diverse angles < 1% pyrite Large vein at start of section 212.3 - 213.8 215 - 221 - Quartz breccia 60% quartz
235.1	319.9	Talc Chlorite Schist Foliated at all angles to core carbonate at base of section - 25% - 50% quartz - Intensely sheared
319.9	337.5	Brown Porphyry 1-2% pyrite - Medium grained, fractured
337.5	339.1	Mafic Dyke - Fine grained, black

Hole No: 7-53

From	To	Description
339.1	347.4	- Brown Porphyry As above
347.4	411.5	- Diabase Dyke
411.5	417	- Brown porphyry and carbonated chlorite schist

SAMPLE RECORD SHEET

Hole No.: 7-53

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
14174	24	28.9	4.9	.024		Sericitic Andesite	1%	<1%
14175	28.9	33.5	4.6	.118		Qtz. Vn.	100%	1-2%
14176	33.5	38.5	5.0	.016		Ser. And.	1-5%	1-2%
14177	74	79	5.0	.012		" "	"	"
14178	79	83	5.0	.612		" "	5%	"
14179	83	87.5	4.5	.580		" "	1-2%	"
14180	87.5	91.7	4.2	.134		VG Qtz.Br.	90%	1-5%
14181	91.7	96	4.3	.140		VG Ser. And.	25%	1-5
14182	96	100.5	4.5	.162		" "	"	"
14183	100.5	104	3.5	.528		VG Qtz. Bre.	75%	1-5%
14184	104	107.7	3.7	1.234		Qtz. Bre.	"	"
14185	107.7	112	4.3	.010		Ser. And.		
14186	168	173	5.0	.044		Sil. Py. And.	5-10%	2-5%
14187	173	178	5.0	.036		" "	"	"
14188	178	183	5.0	.030		" "	"	"
14189	183	188	5.0	.024		" "	"	"
14190	188	193	5.0	.008		" "	"	"
14191	193	203	5.0	.002		" "	"	"
14193	203	208	5.0	.006		" "	"	"
14194	208	211.3	3.3	.004		Ser. And.	" "	"
14195	211.3	216	4.7	.740		Qtz Grey/Grn Brec/Carb	50%	<1%
14196	216	221	5.0	.008		" "	"	60%
14197	221	226	5.0	.008		" "	"	25%
14198	226	230	4.0	.004		" "	"	"
14199	230	235.1	5.1	.002		"	Gry/Grn Carb.	10%

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 7-54

Location:	17+03W 2+92N	**Bearing:**	152^0	**Dip:**	-25
Logged by:	P. Atherton	**Elev.:**	9033	**Length:**	315'
Started:	Dec. 22/92	**Core:**	JKT-A		
Finished:	Jan. 04/93				
Drill Co.:					

From	To	Description
0	238.1	Andesite 0-14.2 - Carbonated, bleached andesite, medium to dark green 1-2% Qtz. carbonate veins ≤ 1/4" - Variolitic to spnerulitic - glassy - Tr. pyrite 14.2 - 43.5 - Sericite to sericitic andesite - 2-5% pyrite - 2-5% qtz - Some veins up to 5" - Pillowed - Bright yellow green to olive green - Good core and recovery 43.5-79.5 - Bleached Andesite - Relatively unaltered - Pillowed, variolitic to spherilitic - Pervasive carbonate and in narrow veinlets - Veinlets are 1/4" or less - All angles to core 79.5-196.8 - Yellow green sericite and sericitic andesite Pillowed 2-5% pyrite, Qtz in veins up to 15% of rock - Large veins @ 81-84.2 159.7 - 161.7 - Various silicified units throughout intersection - Brecciated fault @ 124.8-128.7

Hole No: 7-54

From	To	Description
0	238.1	Andesite (Continued) 179.8 - To end of section - veins up to 6" throughout section 196.8 - 238.1 - Sericitic Andesite - More grey/green than above. - Silicification is pervasive 1-2% 1-2% pyrite - More foliated than above - Good core and recovery
238.1	268.4	Grey/green carbonate 238.1 - 245.9 - Grey/green carbonate with 1-2" quartz veins - 25% quartz - VG in quartz vein @ 241 - 241.2 Tr. pyrite 243.9-268.4 - Dark green carbonate 25% quartz - narrow fracture fillings Call angels to core - More regularly foliated @60^0 CP - Lower contact sharp
268.4	315	Talc Chlorite Schist - Massive to brecciated - Faulted - Poor to moderate recovery - More blocky 315 EOH

SAMPLE RECORD SHEET

Hole No.: 7-54

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
14200	14.2	20	5.8	.022		5% CR	Sericite	1-2%
14401	20	25	5.0	.072		"	"	"
14402	25	30	5.0	.018		"	"	"
14403	30	35	5.0	.008		"	"	"
14404	35	40	5.0	.004		"	"	"
14405	40	43.5	3.5	.012		80% Qtz.	Qtz. Bx	"
14406	79.5	85	5.5	.162		1-2%	Sericite	"
14407	85	90	5.0	.006		1-2% Qtz	"	"
14408	90	95	5.0	.004		"	"	"
14409	95	100	5.0	.002		"	"	"
14410	100	105	5.0	.002		"	"	"
14411	105	110	5.0	.006		"	"	"
14412	110	115	5.0	.012		"	"	"
14413	115	120	5.0	.004		1-2% Qtz.	"	"
14414	120	125	5.0	.004		"	"	"
14415	125	130	5.0	.006		25% Qtz.	"	"
14416	130	135	5.0	.002		10% Qtz.	"	"
14417	155	159.7	4.7	.026				
14418	159.7	165	5.3	.022		40% Qtz.	Sericite	25%
14419	165	170	5.0	.032		25% Qtz.	"	"
14420	170	175	5.0	.008		"	"	"
14421	175	180	5.0	.016		"	"	"
14422	180	185	5.0	.014		"	"	"
14423	185	191	6.0	.004		"	"	"
14424	191	196.8	5.8	.006		1-2%	Sericite	1-2%
14425	233	238.1	5.1	.010			Green Carb.	

SAMPLE RECORD SHEET

Hole No.: 7-54

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
14426	238.1	243.9	5.8	.008		25%	Qtz. Bx	Tr.
14427	243.9	249	5.1	.008		"	Grey/Grn	"
14428	196.8	200		.006				
14448	196.8	200		.006				
14449	200.1	205		.004				
14450	205	210		.004				
14451	210	215		.010				
14452	215	220		.014				
14453	220	225		.002				
14454	225	230		.006				
14455	230	233		.002				
14425	88							

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: 5-324

Location:	13+40W 2+62N	**Bearing:**	255°	**Dip:**	0
Logged by:	P. Atherton	**Elev.:**	9425	**Length:**	260'
Started:	Sept. 30/92	**Core:**	AQ		
Finished:	Oct. 07/92				
Drill Co.:	Mindecon Inc.				

From	To	Description
0	32	Grey/green Carbonate - Chloritic - Darker grey green - Broken up 1-5% Quartz Trace pyrite
32	110.5	Grey/green Carbonate and Brown Porphyry - Badly broken up core - Equal proportions of carbonate - Porphyry Some quartz veins - 10% quartz veins - 1-2% pyrite - mainly in brown porphyry
110.5	161	Grey/Green Carbonate 20-25% Quartz Trace pyrite - Good ground and recovery
161	260	Bleached Andesite - Dark Grey - Carbonated - 5-10% Quartz Carbonate Veinlets 260 E.O.H. No Samples Taken

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-E-10

Location:	2+75W;0+57N	**Bearing:**	115	**Dip:**	0
Logged by:	R.A.	**Elev.:**	9018	**Length:**	85.0
Started:	June 25/92	**Core:**	AQ		
Finished:	June 26/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	55.0	Gry/grn Carbonates: 15 - 20% qtz; tr-1% py locally - good ground
55.0	85.0	Fault Zone: - 5 - 10% qtz. tr py (40% c.r.)
	85.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: B-E-10

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,102	0.0	5	5		100	Gry/grn carb	15 -20	tr-1%
13,103	5	10	5	.046	"	"	"	"
13,104	10	15	5	.008	"	"	"	"
13,105	15	20	5	.004	"	"	"	"
13,106	20	25	5	.002	"	"	"	"
13,107	25	30	5	.012	"	"	"	"
13,108	30	35	5	.006	"	"	"	"
13,109	35	40	5	.002	"	"	"	"
13,110	40	45	5	.018	"	"	"	"
13,111	45	50	5	.006	"	"	"	"
13,112	50	55	5	.012	"	"	"	"
13,113	55	70	15	.004	"	Fault zone: 5 - 10		"
13,114	70	85	15	.002	"	"	"	"
E.O.H								

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-E-11

Location:	2+84W;0+54N	**Bearing:**	152	**Dip:**	0
Logged by:	R.A.	**Elev.:**	9018	**Length:**	78.0
Started:	June 26/92	**Core:**	EQ		
Finished:	June 29/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	30.0	Gry/grn Carbonates: 15-20% qtz; tr-1% py locally - good ground
30.0	78.0	Fault Zone: 15% qtz; tr py (33-40% c.r.)
	78.0	End of Hole

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-E-12

Location:	1+82W;0+10N	**Bearing:**	119	**Dip:**	0
Logged by:	R.A.	**Elev.:**	9019	**Length:**	65.0
Started:	June 29/92	**Core:**	EQ		
Finished:	July 01/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	42.0	Gry/grn Carbonates: 15-20% qtz; tr pyrite 0-5.0: py. pot un 1-2% locally
42.0	65.0	Fault zone: Gougy 10% qtz; tr py (666 core recovery)
	65.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: B-E-12

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,122	0.0	5	5	.006	100	Gry/grn carb	15-20 por.vnlts	1-2% py/oc
13,123	5	10	5	.002	"	Gry/grn carb	5-15	Tr.
13,124	10	15	5	.002	"	" " "	"	"
13,125	15	20	5	.002	"	" " "	"	"
13,126	20	25	5	.002	"	" " "	"	"
13,127	25	30	5	.004	"	" " "	"	"
13,128	30	35	5	.002	"	" " "	"	"
13,129	35	42	7	.002	"	" " "	"	"
13,130	42	50	8	.004	80	Fault zone: 10% qtz;		tr py
13,131	50	55	5	.004	"	" "	"	"
13,132	55	65	10	.002	50	" "	"	"

E.O.H.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-E-13

Location:	1+90W; 0+08N	**Bearing:**	167	**Dip:**	0
Logged by:	R.A.	**Elev.:**	9019	**Length:**	62.0
Started:	July 7/92	**Core:**	EQ		
Finished:	July 2/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	20.0	Gry/grn Carbonates: 15-20% qtz; tr pyrite Good ground
20.0	62.0	Fault zone: 15% qtz; Tr py.
	62.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: B-E-13

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,133	0.0	5	5	.008	100	Gry/grn carb:	15-20 qtz	tr.py.
13,134	5	10	5	.002	"	" "	"	"
13,135	10	15	5	.004	"	" "	"	"
13,136	15	20	5	.006	"	" "	"	"
13,137	20	30	10	.010	50	Fault zone	15	"
13,138	30	40	10	.034	"	" "	"	"
E.O.H.								

ST ANDREW GOLDFIELDS LTD.

LOCATION: 1+75N; 11+00W BEARING: 152° HOLE NO.: B-W-01

LOGGED BY: R. ALLARD ELEVATION: 9083' DIP: -30° FINAL DEPTH: 81.0

STARTED: MARCH 5/92 FINISHED: MARCH 6/92

CORE SIZE: BAZOOKA (DRILLED BY MINDECON)

FROM	TO	DESCRIPTION
0.0	2.5	GRY/GRN CARB: 10% qtz; TR PYRITE
2.5	60.0	SERICITIC ANDS/ZONE: 20-66% qtz; 1-4% DISS'D PY - GOOD GROUND
60.0	81.0	SER./SPHE ANDS: 20-25% qtz; TR-2% PY. LOC - GOOD GROUND
	81.0	END OF HOLE:

SAMPLE RECORD SHEET B-W-01

SAMPLE #	FROM	TO	LENGTH	AU OZ/TON	C.R.	DESCRIPTIONS
12,298	0.0	2.5	2.5	.022	100%	CARB: 10% qtz; TR PYRITE
9	2.5	5	2.5	.008	"	SER'TIC AND ZONE: 20% "; TR-1% PY. LOC
12,300	5	10	5	.066	"	" " " " " " " "
12,501	10	15	5	.014	"	" " '10% " " " "
2	15	20	5	.008	"	" " " " " " " " "
3	20	25	5	.018	"	" "33% qtz; 1-2% "
4	25	30	5	.016	"	" " "1-3% " " " "
12,505	30	35	5	.004	"	" " " " " " " " "
6	35	40	5	.002	"	" " "33-40% " "
7	40	45	5	.004	"	" " " " " " " "
8	45	50	5	.008	"	" " "20% qtz; TR-2% " " "
9	50	55	5	.016	"	" " " " " " " " " "
12,510	55	60	5	.018	"	" " "66% qtz; " "
1	60	65	5	.014	"	SER.SPH. ANDS: 2% " PY. LOC
2	65	70	5	.004	"	" " " "1-2% " "
3	70	75.5	5.5	.006	"	" " "TR-1% " "
12,514	75.5	81.0	5.5	.006	"	" " " " " " " "
(E.O.H)						

ST ANDREW GOLDFIELDS LTD.

LOCATION: 1+75N; 11+00W BEARING: 152° HOLE NO.: B-W-02

LOGGED BY: R. ALLARD ELEVATION: 9090' DIP: +45 FINAL DEPTH: 56.0

STARTED: MARCH 3/92 FINISHED: MARCH 5/92

CORE SIZE: BAZOOKA (DRILLED BY MINDECON)

FROM	TO	DESCRIPTION
0.0	1.5	GRY/GRN CARB: 15% qtz; TR PYRITE
1.5	27.0	SERICITIC ZONE: 15-20% qtz; TR-3% FINELY DISS'D PYRITE - GOOD GROUND
27.0	56.0	SERICITIC ANDS: 10-15% qtz; TR-1% PY. LOC - GOOD GROUND
	56.0	END OF HOLE: DUE TO LOW WATER PRESSURE

SAMPLE RECORD SHEET B-W-02

SAMPLE#	FROM	TO	LENGTH	AU OZ/TON	C.R.	DESCRIPTIONS
12,285	0.0	1.5	1.5	.002	100%	GRY/GRN CARB: 15% qtz; TR PYRITE
6	1.5	5	3.5	.004	"	SER'TIC ANDS: 15-20% "; 1-3% PY LOC
7	5	10	5	.028	"	" " " " " " " " "
8	10	15	5	.002	"	" " " "1-2% " "
9	15	20	5	.004	"	" " " " " " " "
12,290	20	24	4	.020	"	" " " " " " " "
1	24	27	3	.010	"	" " " "1-3% " "
2	27	30	3	.016	"	SER'TIC ANDS: 10-15% qtz; TR-1% PY. LOC
3	30	35	5	.024	"	" " " " " " " "
4	35	40	5	.008	"	" " " " " " " "
12,295	40	45	5	.006	"	" " " " " " " "
6	45	50	5	.004	"	" " " " " " " "
12,297	50	56	6	.018	"	" " " " " " " "
(E.O.H.)						

ST ANDREW GOLDFIELDS LTD.

LOCATION: 1+74N; 11+05W) BEARING: 205° HOLE NO. B-W-03

LOGGED BY: R. ALLARD ELEVATION: 9084' DIP: 0°

FINAL DEPTH: 98.0' STARTED: FEB 27/92 FINISHED: MARCH 2/92

CORE SIZE: BAZOOKA (DRILLED BY MINDECON)

FROM	TO	DESCRIPTION
0.0	1.0	GRY/GRN CARB: 15% qtz; TR PY
1.0	20.0	SERICITIC ZONE: 15-20% qtz; TR-4% FINELY DISS'D PYRITE
20.0	98.0	SERICITIC ANDS: 15% qtz; TR-3% PY LOC - GOOD GROUND.
		78.0-83.0: 80% qtz; 1-4% PY. LOC
		93.0-98.0: BECOMING BLEACHED
	98.0	END OF HOLE:

ST ANDREW GOLDFIELDS LTD.

SAMPLE RECORD SHEET B-W-03

SAMPLE #	FROM	TO	LENGTH	AU OZ/TON	C.R.	DESCRIPTIONS
12,263	0.0	1.0	1	.002	100%	CARB: 15% qtz; TR PY
4	1	6	5	.002	"	SER'TIC ZONE: 15-20% qtz; TR-3% PY LOC
12,265	6	10	4	.004	"	" " " " " " " "
6	10	15	5	.006	"	" " " " " " " "
7	15	20	5	.008	"	" " " " " " " "
8	20	25	5	.006	"	SER'TIC ANDS: 15% qtz; TR-1% PY. LOC
9	25	30	5	.004	"	" " " " " " " "
12,270	30	35	5	.004	"	" " " " " " " "
1	35	40	5	.002	"	" " " " " " " "
2	40	45	5	.004	"	" " " " " " " "
3	45	50	5	.004	"	" " " " " " " "
4	50	55	5	.002	"	" " " " " " " "
12,275	55	60	5	.002	"	" " TR-3% PY. LOC
6	60	65	5	.006	"	" " TR-2% " " "
7	65	70	5	.004	"	" "TR-1% " " " "
8	70	74	4	.012	"	" " " " " " " "
9	74	78	4	.016	"	" " " " " " " "
12,280	78	83	5	.196	"	" "80% qtz; 1-4% PY LOC.
12,281	83	87	4	.012	"	SER'TIC ANDS: 15-20% qtz; TR-1% PY LOC
2	87	90	3	.002	"	" " " " " " " "

3	90	93	3	.006	"	"	"	"	TR-2%	"	"
12,284	98	98	5	.004	"	"	"	15%	"	TR"	"
(E.O.H.)											

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-04

Location:	14+80W;2+05N	**Bearing:**	332	**Dip:**	0
Logged by:	Rick Allard	**Elev.:**	9025	**Length:**	95.0
Started:	May 5, 1992	**Core:**	EX		
Finished:	May 8, 1992				
Drill Co.:	Mindecon				

From	To	Description
0.0	10.0	Sericitic Ands: 10 - 15% qtz. tr-2% py loc - good ground
10.0	85.5	Gry/grn carb: 25% qtz vnlts; tr-1% py locally 35.0 - 45.0: Intermittent brown por. vnlts - good ground 45.0 - 80.0: 33 - 40% qtz, vnlts @ all angles
85.5	95.0	Fault Zone: 10% qtz, tr py
	95.0	End of Hole: Core assayed 100%

SAMPLE RECORD SHEET

Hole No.: B-W-04

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
2,723	0.0	5	5	.002	100	Ser'tic ands:	10 - 15	tr-2
2,724	5	10	5	.004	"	"	"	"
2,725	10	15	5	.006	"	Gry/grn carb	25	tr-1
2,726	15	20	5	.004	"	"	"	"
2,727	20	25	5	.008	"	"	"	"
2,728	25	30	5	.008	"	"	"	"
2,729	30	35	5	.004	"	"	"	"
2,730	35	40	5	.002	"	"	25/ por	"
2,731	40	45	5	.006	"	"	"	"
2 32	45	50	5	.006	"	"	33 - 40	"
2,733	50	55	5	.014	"	"	"	"
2,734	55	60	5	.004	"	"	"	"
2,735	60	65	5	.002	"	"	"	"
2,736	65	70	5	.002	"	"	"	"
2,737	70	75	5	.008	"	"	"	"
2,738	75	80.8	5.8	.010	"	"	"	"
2,739	80.0	95.0	14.2	.004	33	Talc. Chl.	10	tr py

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ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-5

Location:	1 5 + 6 5 W ; 2+60N	**Bearing:**	332	**Dip:**	0
Logged by:	R.A.	**Elev.:**	9033	**Length:**	100.0
Started:	June 10/92	**Core:**	EQ		
Finished:	June 15/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	35.0	Gry/grn carb: 33-40% qtz./por Tr-1% py locally - Good ground
35.0	70.0	Qtz/brn pot breccia: 66% qtz; tr-1% py loc. - Good ground
70.0	100.0	Gry/grn carb: 33-40% qtz/por; Tr pyrite - Good ground
	100.0	End of hole

SAMPLE RECORD SHEET

Hole No.: B-W-5

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,753	0.0	5	5	.048	100	Gry/grn carb:	33-40%	Tr-1% p yr loc.
12,754	5	10	5	.032	"	"	"	" "
12,755	10	15	5	.016	"	"	"	" "
12,756	15	20	5	.004	"	"	"	" "
12,757	20	25	5	.014	"	"	"	" "
12,758	25	30	5	.012	"	"	"	" "
.,759	30	35	5	.062	"	"	"	" "
12,760	35	40	5	.020	"	Qtz/pot breccia:	66%	" "
12,761	40	45	5	.014	"	"	"	" "
12,762	45	50	5	.056	"	"	"	" "
12,763	50	55	5	.024	"	"	"	" "
12,764	55	60	5	.008	"	"	"	" "
12,765	60	65	5	.084	"	"	"	" "
12,766	65	70	5	.044	"	"	"	" "
12,767	70	75	5	.020	"	Gry/grn Carb.	33-40%	" "
12,768	75	80	5	.008	"	"	"	" "
12,769	80	85	5	.002	"	"	"	" "
12,770	85	90	5	.006	"	"	"	" "
12,771	90	95	5	.004	"	"	"	" "
12,772	95	100	5	.002	"	"	"	" "

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-7

Location:	1 5 + 7 0 W ; 2+52N	**Bearing:**	242	**Dip:**	0
Logged by:	R.A.	**Elev.:**	9033	**Length:**	43.0
Started:	June 15/92	**Core:**	EQ		
Finished:	June 16/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	12.0	Brn porphyry: 33-66% qtz; tr py locally - Good ground
12.0	43.0	Gry/grn carb: 10-020% qtz; tr pyrite
	43.0	End of Hole: Stopped, due to water seam.

SAMPLE RECORD SHEET

Hole No.: B-W-7

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,773	0.0	5	5	.024	100	Brn pot:	33-66%	Tr-1%
12,774	5	12	7	.032	"	" "	" "	" "
12,775	12	17	5	.006	"	Gry/grn carb	10-20%	Tr.
12,776	17	22	5	.002	"	" "	" "	"
12,777	22	27	5	.008	"	" "	" "	"
12,778	27	32	5	.006	"	" "	" "	"
12,779	32	37	5	.002	"	" "	" "	"
12,780	37	43	6	.004	"	" "	" "	"

F.H.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-8

Location:	15 + 65W; 2+47N	**Bearing:**	1 5 0 Az	**Dip:**	0
Logged by:	R.A.	**Elev.:**	9033	**Length:**	65.0
Started:	June 17/92	**Core:**	EQ		
Finished:	June 18/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	15.0	Gry/grn carb: 20-33% qtz; tr pyrite - Good ground
15.0	45.0	Sertic ands: 15-20% qtz; tr py locally - Good ground
45.0	65.0	Qtz. breccia (sertic ands): 66-80% qtz; tr-4% py locally - Core, mod. broken-up
	65.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: B-W-8

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,781	0.0	5	5	.004	100	Gry/grn carb:	20-33%	Tr
12,782	5	10	5	.002	"	"	"	"
12,783	10	15	5	.002	"	"	"	"
12,784	15	20	5	.012	"	Sertic ands:	15-20%;	Tr
12,785	20	25	5	.008	"	"	"	"
12,786	25	30	5	.002	"	"	"	"
12,787	30	35	5	.650	"	"	"	"
12,788	35	40	5	.056	"	"	"	"
12,789	40	45	5	.008	"	"	"	"
12,790	45	50	5	.104	"	Qtz breccia:	66-806	Tr-4%
12,791	50	55	5	.278	"	"	"	"
12,792	55	60	5	.360	"	"	"	"
12,793	60	65	5	.148	"	"	"	"
E.O.H.								

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-9

Location:	15+10W ; 1+36N	**Bearing:**	190 Az	**Dip:**	0
Logged by:	R.A.	**Elev.:**	90333	**Length:**	45.0
Started:	June 19/92	**Core:**	EQ		
Finished:	June 22/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	37.5	Gry/grn carb: 15-20% qtz; tr pyrite - Good core recovery
37.5	45.0	Carb/ (Fault zone): 10-15% qtz; tr pyrite (50% core recovery)
	45.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: B-W-9

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
12,794	0.0	5	5	.002	100	Gry/grn	15-20	Tr
12,795	5	10	5	.002	"	"	"	"
12,796	10	15	5	.004	"	"	"	"
12,797	15	20	5	.002	"	"	"	"
12,798	20	25	5	.006	"	"	"	"
12,799	25	30	5	.004	"	"	"	"
12,800	30	37.5	7.5	.008	"	"	"	"
13,101	37.5	45	7.5	.002	50	Carb. (Fault):	10-15	"

E.O.H.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-14

Location:	16+11W ; 1+22N	**Bearing:**	158 Az	**Dip:**	0
Logged by:	R.A.	**Elev.:**	9033	**Length:**	48.0
Started:	July 6/92	**Core:**	EQ		
Finished:	July 7/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	45.0	Gry/grn carbonates: 20-40% qtz vnlts @ all angles, tr. pyrite - Good ground
45.0	48.0	Fault zone: Gougy, 20% core recovery - Bad ground
	48.0	End of Hole

SAMPLE RECORD SHEET

Hole No.: B-W-14

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,139	0.0	5	5	.008	100	Gry/grn Carb:	20-40	Tr.
13,140	5	10	5	.004	"	"	"	"
13,141	10	15	5	.002	"	"	"	"
13,142	15	20	5	.140	"	"	"	"
13,143	20	25	5	.008	"	"	"	"
13,144	25	30	5	.052	"	"	"	"
13,145	30	35	5	.008	"	"	"	"
13,146	35	40	5	.002	"	"	"	"
13,147	40	45	5	.004	"	"	"	"

End

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DIAMOND DRILL LOG

Hole No: B-W-15

Location:	1 6 + 3 1 W ; 1+84N	**Bearing:**	296	**Dip:**	0
Logged by:	R.A.	**Elev.:**	1033	**Length:**	100.0
Started:	July 8/92	**Core:**	EQ		
Finished:	July 13/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	70.0	Sericitic Zone: 20-33% qtz. vnlts. @ all angles, 3-7% pyrite locally. - Good ground
70.0	100.0	Sericitic Ands: 15-20% qtz; tr-1% pyrite locally - Good ground
	100.0	End of Hole

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ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-16

Location:	16+33W; 1+82N	**Bearing:**	280	**Dip:**	0
Logged by:	R. Allard	**Elev.:**	9033'	**Length:**	100.0'
Started:	July 13/92	**Core:**	EQ (Bazooka)		
Finished:	July 17/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	95.0	Sericitic Zone: 20-25% qtz. units @ all angles, 2-6% pyrite locally. 15.0-16.7': Qtz. vein: 80% qtz.; 4% py. loc. v.g. 31.0-50.0': Qtz breccia: 66-80% qtz.; 3-5% py. locally
95.0	100.0'	Ser. Ands: 10% qtz; Tr. Pyrite
	100.0'	End of Hole

SAMPLE RECORD SHEET

Hole No.: B-W-16

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,168	0.0	5	5	.018	100	Sericitic Zone	20-25%	2-6 loc.
13,169	5	10	5	.046	"	"	"	"
13,170	10	15	5	3.134	"	"	"	"
13,171	15	16.7	1.7	.064	"	Qtz/vein (VG)	80%	4% py. loc
13,172	16.7	20	3.3	.054	"	Sericitic Zone:	20-25%	2-5% " "
13,173	20	25	5	.026	"	"	"	" "
13,174	25	31	6	.020	"	"	"	" "
13,175	31	35	4	.044	"	Qtz. Breccia:	66-80%	3-5% py. loc.
13,176	35	40	5	.432	"	"	"	" "
13,177	40	45	5	.174	"	"	"	" "
13,178	45	50	5	.168	"	"	"	" "
13,179	50	55	5	.030	"	Ser. Zone:	20-25%	" "
13,180	55	60	5	.017	"	"	"	Tr. 1% "
13,181	60	65	5	.008	"	"	"	1-2%
13,182	65	70	5	.004	"	"	"	" "
13,183	70	75	5	.086	"	"	"	" "
13,184	75	80	5	.022	"	"	"	" "
13,185	80	85	5	.008	"	"	"	" "
13,186	85	90	5	.034	"	"	"	" "
13,187	90	95	5	.004	"	"	"	" "
,188	95	100	5	.002	"	Ser. ands:	10%	Tr. "
E.O.H.								

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-17

Location:	4296N 2939E	**Bearing:**	290	**Dip:**	0
Logged by:	R. Allard	**Elev.:**	9033	**Length:**	99
Started:	July 20/92	**Core:**	EQ		
Finished:	July 23/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	99	Sericitic Andesites: 15-33% qtz. vnlts @ all angles, 1-5% pyrite locally. - Good ground Less altered less qtz (5% from 45') to end of hole 1-2% py

SAMPLE RECORD SHEET

Hole No.: B-W-17

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,189	0.0	5	5	.028	100	Sertic ands:	15-33%	1-5%
13,190	5	10	5	.060	"	"	"	"
13,191	10	15	5	.034	"	"	"	"
13,192	15	20	5	.016	"	"	"	"
13,193	20	25	5	.018	"	"	"	"
13,194	25	30	5	.014	"	"	10-20%	1-3%
13,195	30	35	5	.004	"	"	"	"
13,196	35	40	5	.004	"	"	"	1-2%
13,197	40	45	5	.002	"	"	"	Tr.-1%
13,198	45	50	5	.012	"	"	5%	Tr.-1%
13,199	50	55	5	.004	"	"	"	"
13,200	55	60	5	.006	"	"	"	"
13,201	60	65	5	.010	"	"	"	"
13,202	65	70	5	.004	"	"	"	"
13,203	70	75	5	.002	"	"	"	"
13,204	75	80	5	.008	"	"	"	"
13,205	80	85	5	.008	"	"	"	"
13,206	85	90	5	.004	"	"	"	"
13,207	90	95	5	.012	"	"	"	"
13,208	95	99	4	.006	"	"	"	"

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DIAMOND DRILL LOG

Hole No: BW-18

Location:	4265N 2951E	Bearing:	151	Dip:	0
Logged by:	P. Atherton	Elev.:	9032	Length:	51'
Started:	July 23/92	Core:	EQ		
Finished:	July 24/92				
Drill Co.:	Mindecon				

From	To	Description
0	51	Grey Carbonates 0-35 - Good Core - Mottled dark grey Narrow qtz. veins at all angles to core - trace pyrite. 35-51 Broken up - sheared carbonate A few chloritic bands - pervasive chlorite,trace pyrite - Poor Ground

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: BW-18

Location:	4265N 2951E	**Bearing:**	151	**Dip:**	0
Logged by:	P. Atherton	**Elev.:**		**Length:**	51'
Started:	July 23/92	**Core:**	EQ (Bo300ka)		
Finished:	July 24/92				
Drill Co.:	Mindecon				

From	To	Description
0	51	Grey Carbonates 0-35 - Good Core - Mottled dark grey Narrow qtz. veins at all angles to core - trace pyrite. 35-51 Broken up - sheared carbonate A few chloritic bands - pervasive chlorite trace pyrite - Poor Ground

SAMPLE RECORD SHEET

Hole No.: BW-18

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13209	0	5	5	.09	100	Gry/grn	Good Ground	Tr.
13210	5	10	5	.022	"	" "	" "	"
13211	10	15	5	.014	"	" "	" "	"
13212	15	20	5	.008	"	" "	" "	"
13213	20	25	5	.004	"	" "	" "	"
13214	25	30	5	.002	"	" "	" "	"
13215	30	35	5	.006	"	" "	" "	"
13216	35	40	5	.004	"	Chloritic	" "	"
13217	40	45	5	.002	50	" "	Poor Ground	"
13218	45	51	6	.008	50	" "	" "	"

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-19

Location:	3+11N 16+00W	**Bearing:**	152°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9030	**Length:**	20.0
Started:	July 28/92	**Core:** Bazooka			
Finished:	July 28/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	20.0'	Grey/green Carbonate: 33-40 % quartz and brown porphyry, trace pyrite locally.
		- Good ground.
	20.0'	End of hole.

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DIAMOND DRILL LOG

Hole No: B-W-20

Location:	17+00W; 3+32N	**Bearing:**	332°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9033'	**Length:**	87.0'
Started:	Sept. 2/92	**Core:** Bazooka			
Finished:	Sept. 4/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	8.6'	Grey/green carbonates: 20% quartz vnlts @ mod. to high angles, trace 1% pyrite locally. -Good ground. 5.0-16.0': Brown por., 40-66% quartz vnlts, trace 1% pyrite locally. 51.0-86.0': Foliated & chl'tic, sheating.
86.0	87.0'	Fault zone.
	87.0'	(E.O.H.)

SAMPLE RECORD SHEET

Hole No.: B-W-20

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,463	0.0	5	5	.002	100	Carbonate:	20	Tr.-1
4	5	10	5	.026	100	Por.:	40-66	Tr.-1
13,465	10	16	6	.002	100	Por.:	40-66	Tr.-1
6	16	20	4	.004	100	Carbonate:	20	Tr.-1
7	20	25	5	.006	100	Carbonate:	20	Tr.-1
8	25	30	5	.004	100	Carbonate:	20	Tr.-1
9	30	35	5	.008	100	Carbonate:	20	Tr.-1
13,470	35	40	5	.002	100	Carbonate:	20	Tr.-1
1	40	45	5	.004	100	Carbonate:	20	Tr.-1
2	45	50	5	.058	100	Carbonate:	20	Tr.-1
3	50	55	5	.006	100	Carbonate:	20	Tr.-1
4	55	60	5	.002	100	Carbonate:	20	Tr.-1
13,475	60	65	5	.004	100	Carbonate:	20	Tr.-1
6	65	70	5	.006	100	Carbonate:	20	Tr.-1
7	70	75	5	.004	100	Carbonate:	20	Tr.-1
8	75	80	5	.004	100	Carbonate:	20	Tr.-1
9	80	86	6	.008	100	Carbonate:	20	Tr.-1

(EOH)

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-21

Location:	1+88N; 14+84N	**Bearing:**	322°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	85.0'
Started:	Sept. 9/92	**Core:**	Bazooka		
Finished:	Sept. 11/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	45.0'	Ser. ands/zone: 15-25% quartz; trace 5% diss'd pyrite locally. -Good ground.
45.0	85.0'	Grey/green carb.: 20-25% quartz vnlts, trace 1% pyrite locally. -Core, mod. broken-up. 80.0-85.0': Becoming chl'd. (50% c.r.)
	85.0'	(EOH)

SAMPLE RECORD SHEET

Hole No.: B-W-21

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,480	0.0	5	5	.016	100	Ser. ands/zone:	15-25	1-3
1	5	10	5	.082	100	Ser. ands/zone:	15-25	1-4
2	10	15	5	.010	100	Ser. ands/zone:	20	Tr.-2
3	15	20	5	.006	100	Ser. ands/zone:	20	Tr.-2
4	20	25	5	.002	100	Ser. ands/zone:	20	Tr.-2
13,485	25	30	5	.006	100	Ser. ands/zone:	20	Tr.-1
6	30	35	5	.004	100	Ser. ands/zone:	20	Tr.-1
7	35	40	5	.030	100	Ser. ands/zone:	20	1-3
8	40	45	5	.014	100	Ser. ands/zone:	20	1-2
9	45	50	5	.160	100	Carbonate:	20-25	Tr.-1
13,490	50	55	5	.014	100	Carbonate:	20-25	Tr.-1
1	55	60	5	.008	100	Carbonate:	20-25	Tr.-1
2	60	65	5	.006	100	Carbonate:	20-25	Tr.-1
3	65	70	5	.070	100	Carbonate:	20-25	Tr.-1
4	70	75	5	.008	100	Carbonate:	20-25	Tr.-1
13,495	75	80	5	.014	100	Carbonate:	20-25	Tr.-1
13,496	80	85	5	.004	50	Carbonate:	20-25	Tr.-1
(EOH)								

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-22

Location:	1+84N; 14+88W	**Bearing:**	293°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	17.0'
Started:	Sept. 14/92	**Core:** Bazooka			
Finished:	Sept. 14/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	17.0'	Ser. ands/zone: 15-25% quartz; trace 3% pyrite locally.
		4.0'-8.0': 33% quartz; 3-6% pyrite locally.
	17.0'	End of hole. Lost 5' rod and bit/shell.

SAMPLE RECORD SHEET

Hole No.: B-W-22

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,497	0	4	4	.017	100	Ser. and/zone:	15-22	1-3
8	4	8	4	.166	100	Ser. and/zone:	33	3-6
9	8	13	4	.046	100	Ser. and/zone:	15-20	1-3
13,500 (EOH)	13	17	4	.008	100	Ser. and/zone:	15-20	1-2

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-23

Location:	1+90N; 15+61W	**Bearing:**	318°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	100'
Started:	Sept. 21/92	**Core:** Bazooka			
Finished:	Sept. 23/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	12.5'	Ser/silicfied ands: -yellowish/grey, f.gr., 20-30% quartz vnlts @ mod. to high angles, 1-5 pyrite locally. -Good ore recovery.
12.5	100.0'	Ser. ands/zone: 15-25% quartz vnlts @ all angles, 2-5% pyrite locally. -Good ore recovery. 45.0-100.0': less altered. (Sph'tic)
	100.0'	End of hole.

SAMPLE RECORD SHEET

Hole No.: B-W-23

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,525	0.0	5	5	.026	100	Ser./sil'd ands:	20-33	1-5
6	5	10	5	.016	100	Ser./sil'd ands:	20-33	1-5
7	10	12.5	2.5	.042	100	Ser./sil'd ands:	20-33	1-5
8	12.5	16	3.5	.036	100	Ser. ands/zone:	15-25	2-5
9	16	20	4	.014	100	Ser. ands/zone:	15-25	2-5
13,530	20	24	4	.018	100	Ser. ands/zone:	15-25	2-5
1	24	28	4	.132	100	Ser. ands/zone:	15-25	2-5
2	28	30	2	.028	100	Ser. ands/zone:	15-25	2-5
3	30	35	5	.032	100	Ser. ands/zone:	15-25	2-5
4	35	40	5	.018	100	Ser. ands/zone:	15-25	2-5
13,535	40	45	5	.046	100	Ser. ands/zone:	15-25	2-5
6	45	50	5	.012	100	Ser. ands/zone:	15-25	Tr.
7	50	55	5	.010	100	Ser. ands/zone:	15-25	Tr.
8	55	60	5	.002	100	Ser. ands/zone:	15-25	Tr.
9	60	65	5	.004	100	Ser. ands/zone:	15-25	Tr.
13,540	65	70	5	.008	100	Ser. ands/zone:	15-25	Tr.-1
1	70	75	5	.002	100	Ser. ands/zone:	15-25	Tr.-1
2	75	80	5	.012	100	Ser. ands/zone:	15-25	Tr.-1
3	80	85	5	.010	100	Ser. ands/zone:	15-25	Tr.-1
4	85	90	5	.002	100	Ser. ands/zone:	15-25	Tr.-1
13,545	90	95	5	.002	100	Ser. ands/zone:	15-25	Tr.-1
13,546	95	100	5	.004	100	Ser. ands/zone:	15-25	Tr.
(EOH)								

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-24

Location:	15+62W; 1+90N	**Bearing:**	275°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	100.0'
Started:	Sept. 24/92	**Core:**	Bazooka		
Finished:	Sept. 28/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	100.0'	Ser. ands/zone: 20-33% quartz; 2-8% pyrite locally. -Good ground. 59.5-100.0': less altered.
	100.0'	End of hole.

SAMPLE RECORD SHEET

Hole No.: B-W-24

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,547	0.0	5	5	.022	100	Ser'tic zone:	20-33	1-5
8	5	10	5	.016	100	Ser'tic zone:	20-33	1-5
9	10	15	5	.058	100	Ser'tic zone:	20-33	1-5
13,550	15	20	5	.036	100	Ser'tic zone:	20-33	2-6
1	20	25	5	.012	100	Ser'tic zone:	20-33	2-6
2	25	30	5	.018	100	Ser'tic zone:	20-33	1-4
3	30	35	5	.030	100	Ser'tic zone:	20-33	1-4
4	35	40	5	.080	100	Ser'tic zone:	33-40	2-8
3,555	40	45	5	.018	100	Ser'tic zone:	33-40	2-8
6	45	50	5	.040	100	Ser'tic zone:	33-40	2-8
7	50	55	5	.018	100	Ser'tic zone:	33-40	1-4
8	55	60	5	.008	100	Ser. ands:	10	Tr.-1
9	60	65	5	.004	100	Ser. ands:	10	Tr.-1
13,560	65	70	5	.012	100	Ser. ands:	10	Tr.-1
1	70	75	5	.006	100	Ser. ands:	10	Tr.-1
2	75	80	5	.048	100	Ser. ands:	10	Tr.-1
3	80	85	5	.012	100	Ser. ands:	10	Tr.
4	85	90	5	.006	100	Ser. ands:	10	Tr.
13,565	90	95	5	.012	100	Ser. ands:	10	Tr.
13566	95	100	5	.016	100	Ser. ands:	10	Tr.

EOH)

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-25

Location:	15+62W; 1+90N	**Bearing:**	275°	**Dip:**	+25°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	67.0'
Started:	Oct. 2/92	**Core:** Bazooka			
Finished:	Oct. 6/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	67.0'	Sericitic ands/zone: 15-20% quartz vnlts @ mod. to high angles, 1-5% pyrite locally. 35.0-40.0': 33% quartz. 50.0-67.0': less altered. -Good ground.
	67.0'	End of hole.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-26

Location:	16+43W; 1+91N	**Bearing:**	279°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	72.0'
Started:	Oct. 6/92	**Core:**	Bazooka		
Finished:	Oct. 8/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	20.0'	Sericitic ands/zone: 20-33% quartz vnlts @ mod. to high angles, 1-4 % pyrite locally. -Good ground.
20.0	72.0'	Bleached & sericitic ands: 10-15% quartz; tr.-1% pyrite locally. -Good ground.
	72.0'	End of hole.

SAMPLE RECORD SHEET

Hole No.: B-W-26

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,580	0.0	6	6	.014	100	Ser'tic ands/zone:	20	1-2
1	6	11	5	.160	100	Ser'tic ands/zone:	33	2-4
2	11	15	4	.008	100	Ser'tic ands/zone:	20	1-2
3	15	20	5	.008	100	Ser'tic ands/zone:	20	1-2
4	20	25	5	.002	100	Blc'd/ser. ands:	10-15	Tr.-1
13,585	25	30	5	.002	100	Blc'd/ser. ands:	10-15	Tr.-1
6	30	35	5	.006	100	Blc'd/ser. ands:	10-15	Tr.-1
7	35	40	5	.002	100	Blc'd/ser. ands:	10-15	Tr.-1
8	40	45	5	.004	100	Blc'd/ser. ands:	10-15	Tr.-1
9	45	50	5	.002	100	Blc'd/ser. ands:	10-15	Tr.-1
13,590	50	55	5	.002	100	Blc'd/ser. ands:	10-15	Tr.-1
1	55	60	5	.002	100	Blc'd/ser. ands:	10-15	Tr.-1
2	60	65	5	.050	100	Blc'd/ser. ands:	10-15	Tr.-1
13,593	65	72	7	.012	100	Blc'd/ser. ands:	10-15	Tr.-1
(EOH)								

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-27

Location:	711 (16+40W; 1+93N)	**Bearing:**	310°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	62.0'
Started:	Oct. 15/92	**Core:** Bazooka			
Finished:	Oct. 19/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	20.0'	Sericitic andesities: 20-33% quartz; 1-4% pyrite locally. -Good ground.
20.0	62.0	Bleached/slightly ser'tic ands: 10% quartz vnlts; trace pyrite. -Good ground.
	62.0'	End of hole.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: BW-28

Location:	16+24W; 1+52N	**Bearing:**	130°	**Dip:**	0°
Logged by:	P. Atherton	**Elev.:**	9068'	**Length:**	45'
Started:	Oct. 19/92	**Core:**	EXT		
Finished:	Oct. 20/92				
Drill Co.:					

From	To	Description
0	45	Grey/Green Carbonate 0-9 Olive green silicified 25% qtz. veins up to 2" <1% pyrite Good core 9-45 - Dark to medium green 50% qtz - very narrow veinlets < 1/2" - < 1% pyrite - Chloritic - Foliated 1 to core last 1/2" - Last 15' 50% recovery 45' EOH

SAMPLE RECORD SHEET

Hole No.: BW-28

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13706	0	5	5	.006	100%	Gry/Grn Carb.	25%	Tr. Py.
13707	5	9	4	.002	100%	Gry/Grn Carb.	25%	Tr. Py.
13708	9	15	6	.02	100%	Gry. Carb.	50%	Tr. Py.
13709	15	20	5	.008	100%	Gry. Carb. Ch.	50%	Tr. Py.
13710	20	25	5	.004	100%	Gry. Carb. Ch.	50%	Tr. Py.
13711	25	30	5	.006	100%	Gry. Carb. Ch.	50%	Tr. Py.
13712	30	35	5	.004	80%	Gry. Carb. Ch.	50%	Tr. Py.
13713	35	40	5	.002	50%	Gry. Carb. Ch.	50%	Tr. Py.
13714	40	45	5	.006	20%	Gry. Car. Ch.	20%	Tr. Py.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-29

Location:	15+55W; 1+65N	**Bearing:**	139°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9068'	**Length:**	53.0'
Started:	Oct. 21/92	**Core:** Bazooka			
Finished:	Oct. 23/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	50.0'	Grey/green carbonates: 20-33% quartz vnlts @ all angles, trace pyrite. -Good ground.
50.0	53.0'	Fault zone: 20% quartz; trace pyrite. -Mod. broken-up.
	53.0'	End of hole.

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-30

Location:	15+14W; 1+61N	**Bearing:**	119°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	58.0'
Started:	Oct. 27/92	**Core:** Bazooka			
Finished:	Oct. 29/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	58.0'	Grey/green carbonates: 20-33% quartz vnlts @ all angles. Trace pyrite. -Good ground.
	58.0'	End of hole.

SAMPLE RECORD SHEET

Hole No.: B-W-30

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,726	0.0	5	5	.038	100	Grey/grn carb.:	20-33	Tr.
7	5	10	5	.052	100	Grey/grn carb.:	20-33	Tr.
8	10	15	5	.014	100	Grey/grn carb.:	20-33	Tr.
9	15	20	5	.010	100	Grey/grn carb.:	20-33	Tr.
13,730	20	25	5	.008	100	Grey/grn carb.:	20	Tr.
1	25	30	5	.002	100	Grey/grn carb.:	20	Tr.
2	30	35	5	.006	100	Grey/grn carb.:	20	Tr.
3	35	40	5	.008	100	Grey/grn carb.:	10	Tr.
4	40	45	5	.012	100	Grey/grn carb.:	10	Tr.
13,735	45	50	5	.004	100	Grey/grn carb.:	10	Tr.
13,736	50	58	8	.006	60	Grey/grn carb.:	10	Tr.
(EOH)								

ST ANDREW GOLDFIELDS LTD.

DIAMOND DRILL LOG

Hole No: B-W-31

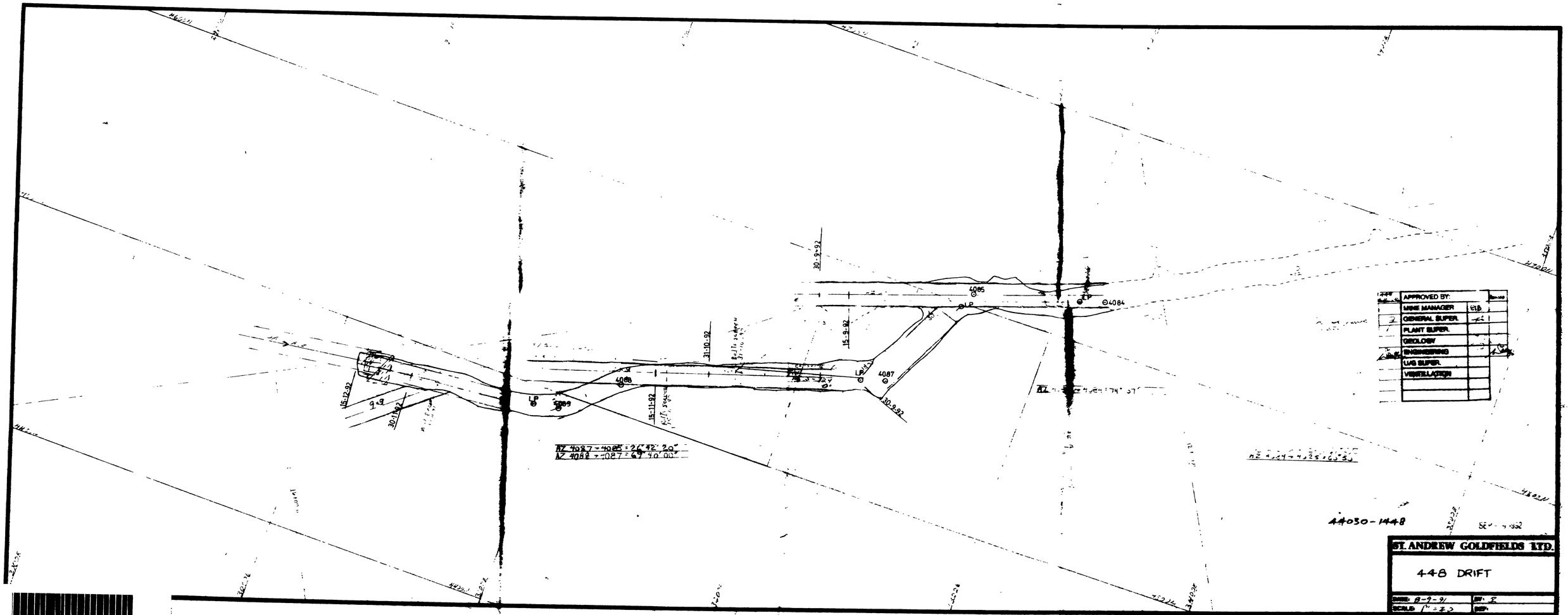
Location:	14+67W; 1+51N	**Bearing:**	152°	**Dip:**	0°
Logged by:	R. Allard	**Elev.:**	9070'	**Length:**	28.0'
Started:	Oct. 29/92	**Core:** Bazooka			
Finished:	Oct. 30/92				
Drill Co.:	Mindecon				

From	To	Description
0.0	28.0'	Grey/green carbonates: 20% quartz vnlts @ all angles, trace pyrites. -Good ground.
	28.0'	End of hole.

SAMPLE RECORD SHEET

Hole No.: B-W-31

SAMPLE	FROM	TO	LTH	Au oz	%CR.	ROCK	%QUARTZ	%PYRITE
13,737	0.0	5	5	.004	100	Grey/grn carb.:	20	Tr.
8	5	10	5	.008	100	Grey/grn carb.:	20	Tr.
9	10	15	5	.006	100	Grey/grn carb.:	20	Tr.
13,740	15	20	5	.002	100	Grey/grn carb.:	20	Tr.
13,741	20	28	8	.004	60	Grey/grn carb.:	20	Tr.
(EOH)								


4086
4087
4085
4084
LP
30-9-92
15-9-92
21-10-92
15-11-92
15-12-92
30-11-92
AZ 4087 → 4085 = 26° 42' 20"
AZ 4088 → 4087 = 67° 40' 00"
APPROVED BY:
MINE MANAGER
GENERAL SUPER.
PLANT SUPER.
GEOLOGY
ENGINEERING
LHG SUPER.
VENTILATION
44030-1448
ST. ANDREW GOLDFIELDS LTD.
448 DRIFT
DATE: 8-9-91
SCALE: 1" = 2'

APPROVED BY:
MINE MANAGER
GENERAL SUPER
PLANT SUPER
GEOLOGY
ENGINEERING
U/G SUPER
VENTILATION
LP
6027
6025
TPA
6024
6023
FLP
6021
6020
TPB
6026
30-4-92
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31-03-92
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31 03 92
15 04 92
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15-02-92
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7-32, +64°
7-23, 45°
7-24, +45°
7-28, +60°
7-29, -45°
7-30, -65°
7-18, 0°
7-19, +45°
7-20, -45°
7-21, 0°
ST ANDREW-GOLDFIELDS LTD.
691 EXPLORATION DECLINE ②
date:
by:
scale:
ref:


APPROVED BY
MINE MANAGER
GENERAL SUPER
PLANT SUPER
GEOLOGY
ENGINEERING
U/G SUPER
VENTILATION
SUMP & ELEC BAY
6012
LP
6013
LP-2
6014
LP.
6015
6017
FLP
6018
6019
LPE
BLP
6022
381
FAULT
31-10-91
15-11-91
30-11-91
15-12-91
31-12-91
15-01-92
31-01-92
30-4-92
15-4-92
15-02-92
15-4-92
LP2
LPS
7-17, +45°
7-13, +45°
7-12, +55°
7-11, 0°
7-16, +35°
7-16, -45°
11 S/11 166
ST ANDREW GOLDFIELDS LTD.
694 DECLINE
date: 16-10-91
by:
scale: 1" = 20'
ref:

42A10SE0006 OM92-084 STOCK

220

21-01-92

11-01-92

15-01-92

TP1

GEOL CONTROL FOR STOPPING

6020

15-12-91

31-12-91

30-11-91

LP

6016

SOUTH FAULT

AND

6012 - 6013 = 111° 23'
6012 - 6011 = 37° 07' 50"
6016 - 6015 = 65° 05' 30"

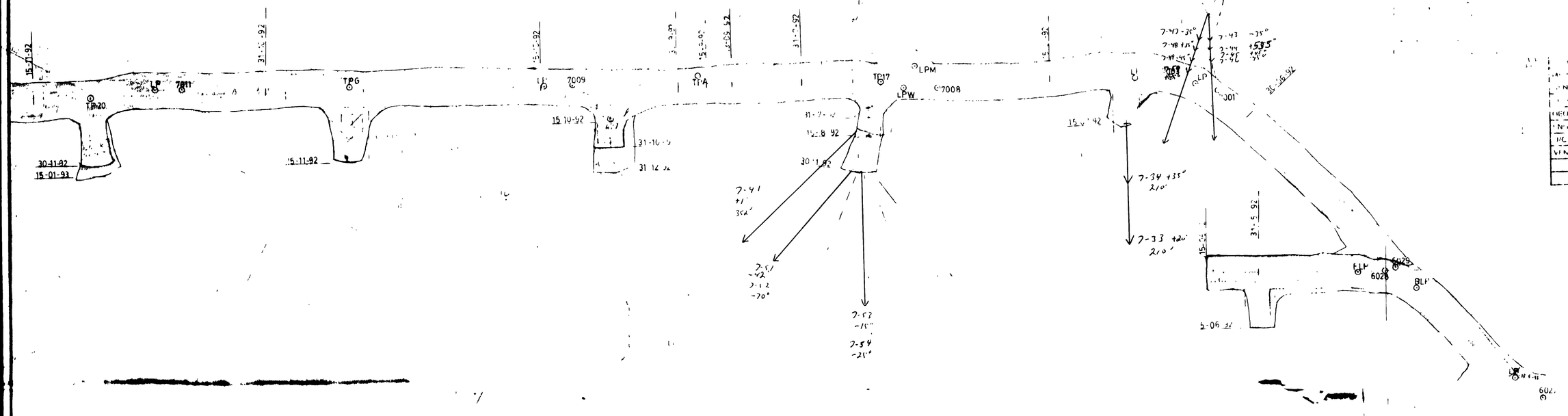
APPROVED BY.	
MINE MANAGER	
GENERAL SUPER.	
PLANT SUPER.	
GEOLOGY	
ENGINEERING	
U/G SUPER	
VENTILLATION	

STANDARD GOLD FIELDS LTD.

695 EXPLORATION X-CUT

Date: 12-11-91 | By:

Scale: 1" = 20' | Ref:

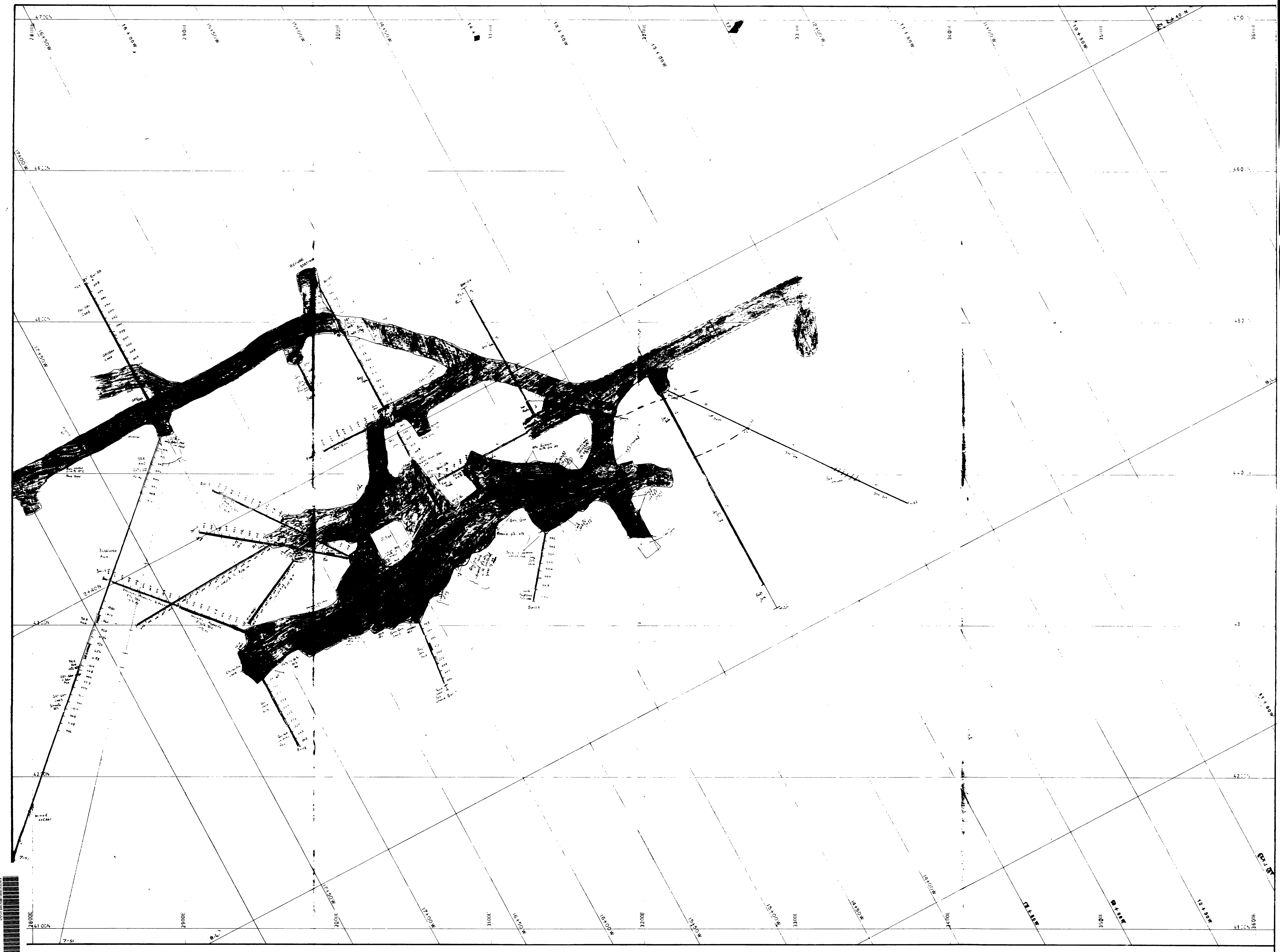


MANAGER	
GENERAL SUPER	
MINE SUPER	
GEOLOGY	
ENGINEERING	
I/C SUPER	
VENTILATION	

ST ANDREW GOLDFIELDS LTD.

7 WEST DRIFT (1)

date: MAY 11 1992.	by
scale	ref.

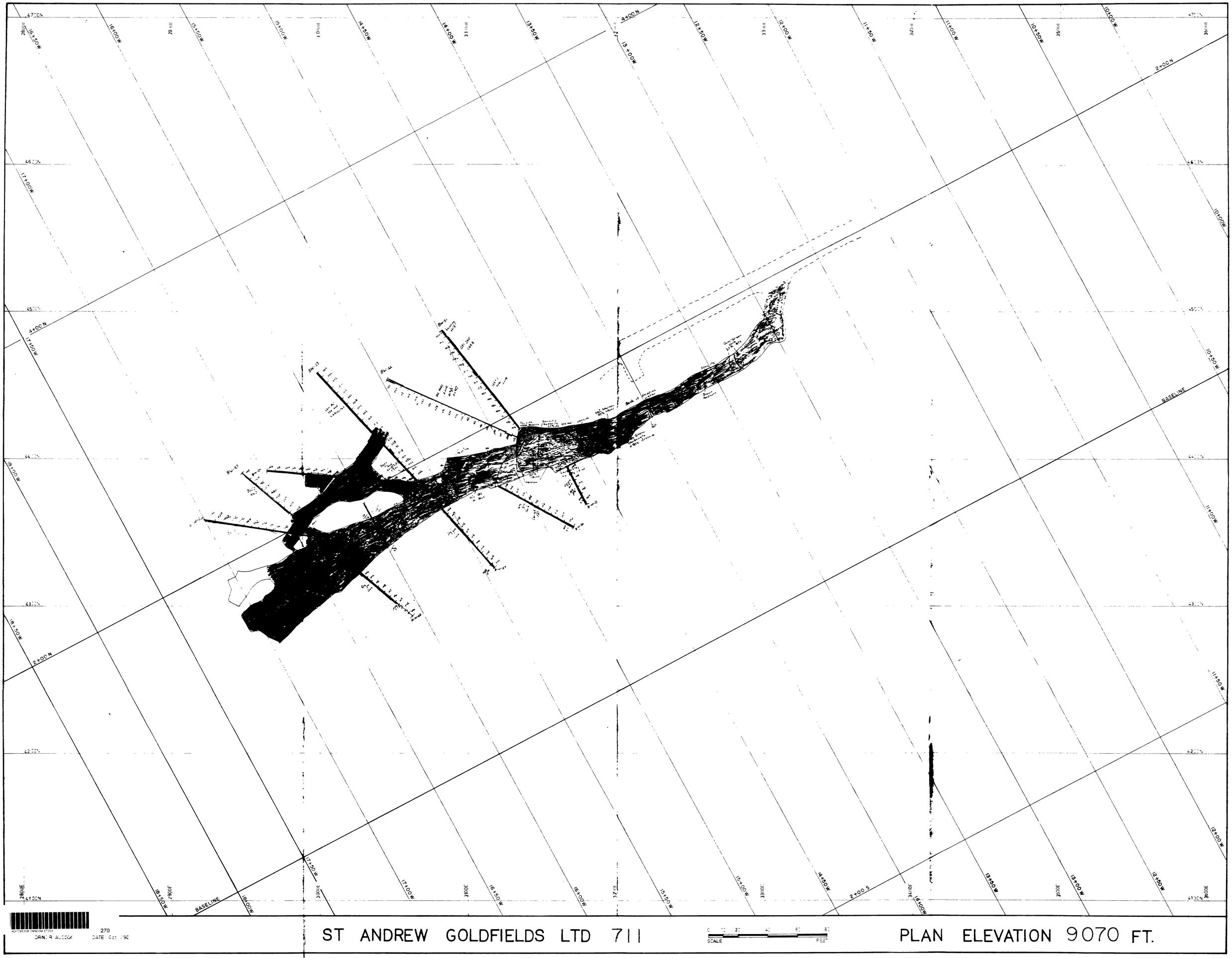


DRN. R ALCOCK DATE Oct /90

ST ANDREW GOLDFIELDS LTD 710

SCALE 0 10 20 40 60 80 FEET

PLAN ELEVATION 9030 FT. (SILL)

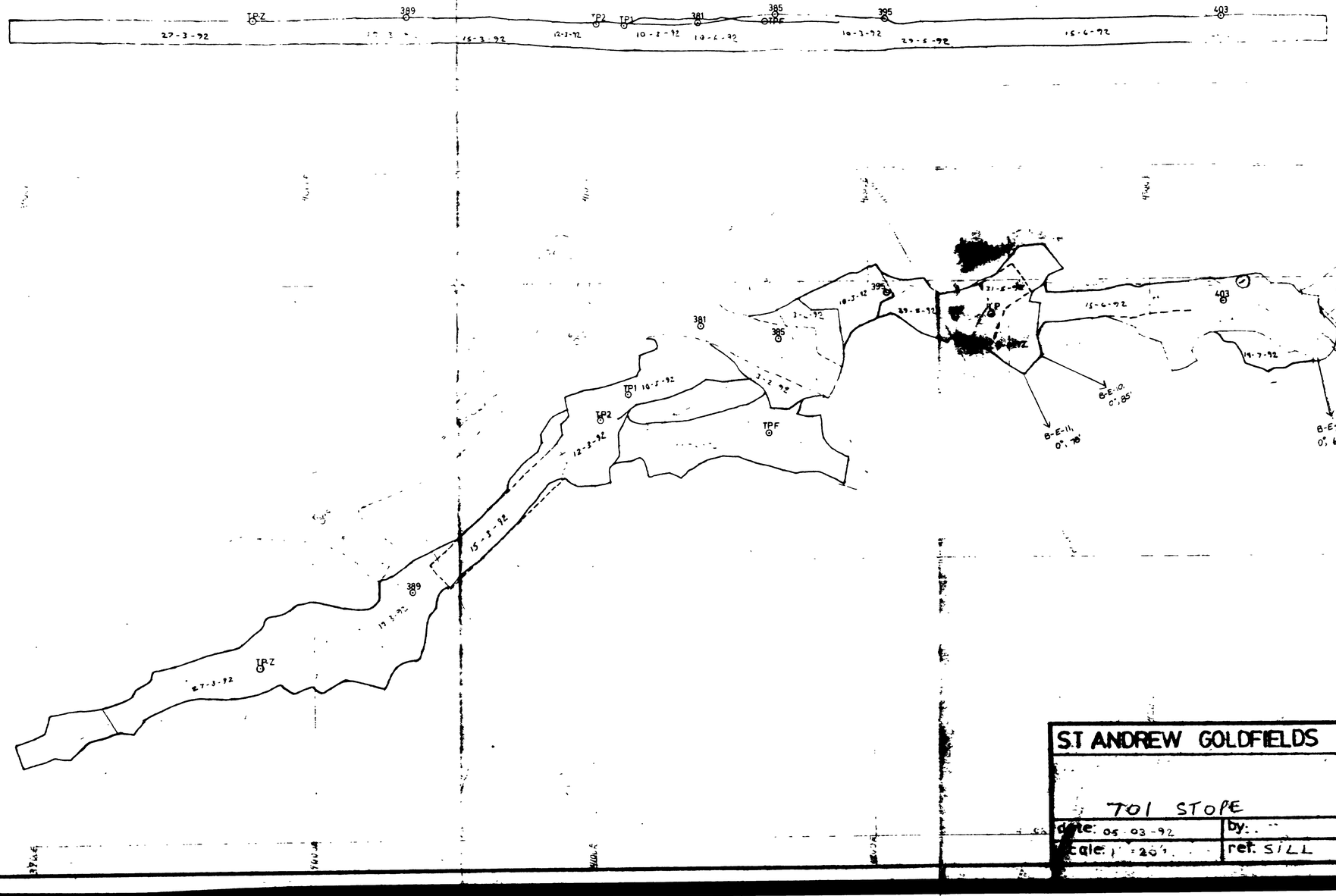


270
DRN: R ALCOCK DATE: Oct 1990

ST ANDREW GOLDFIELDS LTD 711

SCALE 0 10 20 40 60 80 FEET

PLAN ELEVATION 9070 FT.



ST ANDREW GOLDFIELDS LTD.

701 STOPE

date: 05-03-92	by:
scale: 1" = 20'	ref: SILL

[redacted]

42A10SE0005 OM92-094 STOCK