

Date: 20 Apr, 1999

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORD

Page: 1 of 7

REF CORD: .00 -900.00 CLAIM NUM: L70553 TOWNSHIP: STOCK PROVINCE: ONTARIO HOLE NO: S98-14
 LOCATION 1: 0+00BL 9+00W GRID 1: 1996: METRIC ELEV 1: 3044.90 PROPERTY: STOCK
 LOCATION 2: GRID 2: MINE GRID: IMPERIAL ELEV 2: PROJECT: STOCK
 LEVEL: SURFACE CASING LEFT IN HOLE (Y/N)? YES SURVEYED (Y/N)? NO PROVINCE: ONTARIO
 AZIMUTH: 332.0 Deg. LENGTH: 831.0 m SECTION: 900W LOGGED BY: G. Spyrtos
 DIP: -65.0 Deg. CORE SIZE: NQ SYSTEM OF MEASURE: METRIC DATE LOGGED: 7 - 22 MAY 98
 STARTED: 1 MAY 98 COMPLETED: 15 MAY 98 NTS: 42A10 FILED BY: DOMINIK DIAMOND DRILLING LTD
 PURPOSE: To test IF anomaly ASSAY TYPE: FA #58
 COMMENTS: TEST METHOD: TROPARI PROJECT SUPERVISOR: K.A.Jensen

RECEIVED
APR 23 1999
GEOLOGICAL SERVICES
OFFICE

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
75.00	332.00	-64.0	325.00	332.00	-61.0	575.00	332.00	-56.0
125.00	332.00	-64.0	375.00	332.00	-59.0	625.00	332.00	-55.0
175.00	332.00	-62.0	425.00	332.00	-59.0	675.00	332.00	-52.0
225.00	332.00	-63.0	475.00	332.00	-57.0	725.00	332.00	-52.0
275.00	332.00	-61.0	525.00	332.00	-56.0	775.00	332.00	-51.0

DEPTH	AZIMUTH	DIP
825.00	332.00	-49.0
831.00	332.00	-49.0

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU
.00	60.00		CASING LEFT IN THE HOLE								
60.00	123.15		POIKILOBLASTIC DIABASE Medium green to dark green and grey-green. Fine to medium-grained. Common 0.5-2cm plagioclase poikiloblasts. Locally crackled. Occasional epidote alteration. Rare quartz-carbonate fracture-filling. Moderately hard to hard. Locally magnetic. Locally 1-2% very fine to fine-grained scattered pyrite. 115.00 123.15 Unit becomes finer grained towards the lower contact. Lower contact (123.15), chilled and rafted.								
123.15	133.45		GREY QUARTZ FELDSPAR PORPHYRY Grey to pale grey and purplish grey to pinkish grey. Numerous 2-7mm feldspar phenocrysts. Locally hydrofractured. Occasional quartz-carbonate stringers. Common chloritic spots locally. Silicified. Very hard. Non-magnetic. Overall 1-2% very fine to fine-grained scattered pyrite. Locally up to 3% pyrite. 125.42 125.87 Very fine-grained DIABASE dykelet. Dark grey. Non-magnetic. Upper contact @ 70 dca and lower contact @ 55 dca. 126.18 126.80 Very fine-grained DIABASE dykelet. Similar to above. Locally strongly magnetic. Upper contact @ 65 dca and lower contact @ 70 dca. 127.30 1cm quartz-calcite stringer @ 20 dca. Lower contact (133.45), broken.	108638 108639 108640 108641 108642 108643 108644	123.15 124.50 126.00 127.50 129.00 130.50 132.00 133.45	124.50 126.00 127.50 129.00 130.50 132.00 133.45	1.35 1.50 1.50 1.50 1.50 1.50 1.45	.000 .000 .030 .000 .000 .000 .030			
133.45	147.25		GREY FELDSPAR PORPHYRY Grey to pale grey. Fine-grained matrix, with numerous 1mm feldspar phenocrysts. Occasional 2-3mm feldspar phenocrysts. Uniform. Local 2-3mm mafic phenocrysts. Local quartz-carbonate fracture-filling. Siliceous. Moderately hard to hard. Non-magnetic. Overall minor to 1% very fine to fine-grained scattered pyrite. Lower contact (147.25), @ 55 dca.	108645 108646 108647 108648 108649 108650 108651 108652 108653 108654	133.45 134.50 136.00 137.50 139.00 140.50 142.00 143.50 145.00 146.00 147.25	134.50 136.00 137.50 139.00 140.50 142.00 143.50 145.00 146.00 147.25	1.05 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.00 1.25	.000 .000 .070 .000 .000 .000 .000 .000 .030 .000			
147.25	149.75		FAULT ZONE Blocky and crumbly grey-green carbonate, with common fault gouges. Lower contact (149.75), @ 65 dca.	108655 108656	147.25 148.50 149.75	148.50 149.75	1.25 1.50	.030 .000			



42A10SW2015 2.19477 STOCK

010

2.19477

Date: 20 Apr, 1999

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORDHole No: S98-14
Page: 2 of 7

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU
149.75	152.15		GREY-GREEN CARBONATE Grey-green to pale olive green. Fine-grained. Brecciated. 15-20% and locally up to 30%, irregular quartz-carbonate veining. Locally chloritic. Weak sericite alteration locally. Moderately hard to moderately soft. Non-magnetic. Overall 1-2% very fine to fine-grained scattered pyrite. 150.00 150.65 Mafic dyke. Dark grey. Fine-grained. Massive. Occasional pink calcite fracture-filling. Moderately hard to hard. Strongly magnetic. 1% very fine to fine-grained scattered pyrite. Upper contact @ 50 dca and lower contact @ 65 dca. Lower contact (152.15), broken.	108657 108658	150.00 151.50	151.50 153.00	1.50 1.50	.000 .000			
152.15	155.30		FAULT ZONE Similar to above. Lower contact (155.30), @ 30 dca.	108659 108660	153.00 154.50	154.50 156.00	1.50 1.50	.000 .100			
155.30	163.00		GREY-GREEN CARBONATE Similar to above. Weak to moderate sericite alteration. 160.00 3cm quartz-calcite stringer @ 30 dca. Lower contact (163.00), @ 55 dca.	108661 108662 108663 108664 108665	156.00 157.50 159.00 160.50 162.00	157.50 159.00 160.50 162.00 163.00	1.50 1.50 1.50 1.50 1.00	.000 .070 .000 .030 .000			
163.00	163.60		TALC-CHLORITE SCHIST Dark green to black green and locally dark olive green. Fine-grained. Locally brecciated. Foliated @ 15-25 dca. Chloritic. Tallose. Weakly carbonatized. 15-20% brecciated and irregular quartz-carbonate veining, mostly parallel to foliation. Local hematite fracture-filling. Moderately soft to soft. Non-magnetic. Overall 1-2% very fine to fine-grained scattered pyrite. Blocky core, with common intermittent fault gouges. Lower contact (163.60), @ 35 dca.	108666	163.00	164.50	1.50	.000			
163.60	168.05		FAULT ZONE Blocky and crumbly talc chlorite schist, with intermittent minor fault gouges. Lower contact (168.05), @ 45 dca.	108667	164.50	166.00	1.50	.000			
168.05	175.85		TALC-CHLORITE SCHIST Similar to above. 175.00 15cm FAULT GOUGE @ 40 dca. Lower contact (175.85), @ 20 dca.								
175.85	178.75		FAULT ZONE Similar to above. Lower contact (178.75), @ 25 dca.								
178.75	187.60		TALC-CHLORITE SCHIST Similar to above. Lower contact (187.60), gradual.	108668 108669	185.00 186.50	186.50 187.60	1.50 1.10	.000 .000			
187.60	220.00		GREY-GREEN CARBONATE Similar to above. Locally up to 5% pyrite. Local hematite fracture-filling. Unit locally foliated, @ 15-30 dca and local contorted foliation. 196.00 196.30 Quartz-calcite vein. Set of 0.5-2cm quartz-carbonate stringers, mostly @ 30-40 dca. Both contacts brecciated. 202.67 5cm quartz-calcite stringer @ 60 dca. 205.62 2cm quartz-calcite stringer @ 45 dca. 212.82 213.32 Set of 0.5-1cm contorted quartz-carbonate stringers. 5% very fine-grained scattered pyrite. Upper contact @ 40 dca and lower contact @ 50 dca. 216.75 220.00 Up to 30% irregular quartz-carbonate stockwork. 2-3% and locally up to 5%, very fine to fine-grained scattered pyrite. 216.75 217.00 Minor weak fuchsite alteration. 218.00 218.50 Minor weak fuchsite alteration. Lower contact (220.00), broken.	108670 108671 108672 108673 108674 108675 108676 108677 108678 108679 108680 108681 108682 108683 108684 108685 108686 108687 108688 108689	187.60 189.00 190.50 192.00 193.50 195.00 196.50 198.00 199.50 201.00 202.50 204.00 205.50 207.00 208.50 210.00 211.50 213.00 214.50 216.00 217.50	189.00 190.50 192.00 193.50 195.00 196.50 198.00 199.50 201.00 202.50 204.00 205.50 207.00 208.50 210.00 211.50 213.00 214.50 216.00 217.50	1.40 1.50	.000 .000 .000 .000 .000 .000 .000 .000 .030 .000 .000 .000 .000 .000 .000 .000 .030 .030 .070 .070			

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU
220.00	225.30	X X X X X	FAULT ZONE Blocky and crumbly grey-green carbonate, with common fault gouges. Up to 30% irregular quartz-carbonate stockwork. 2-3% and locally up to 5%, very fine to fine-grained scattered pyrite. Lower contact (225.30), @ 15 dca.	108690	217.50	219.00	1.50	.070			
				108691	219.00	220.50	1.50	.070			
				108692	220.50	222.00	1.50	.000			
				108693	222.00	223.50	1.50	.170			
				108694	223.50	225.00	1.50	.030			
225.30	227.70	X X X X X	GREY-GREEN CARBONATE Similar to above. Up to 30% irregular quartz-carbonate stockwork. 2-3% and locally up to 5%, very fine to fine-grained scattered pyrite. Lower contact (227.70), brecciated.	108695	225.00	226.50	1.50	.030			
				108696	226.50	227.70	1.20	.030			
				108697	227.70	229.00	1.30	.480			
				108698	229.00	230.50	1.50	.000			
				108699	230.50	232.00	1.50	.000			
227.70	263.45	X X	BLEACHED MAFIC VOLCANIC CARBONATED MAFIC VOLCANIC Medium green to light grey-green and locally patchy bleaching to pale green and buff. Very fine to fine-grained. Pillowed. Foliated @ 40-55 dca. Locally brecciated. Occasional 2-3mm varioles. Weakly to moderately carbonatized. 10-15%, mostly contorted quartz-carbonate veining. Moderately hard to moderately soft. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Locally up to 7% pyrite, mostly in clusters. 233.37 0.5cm pink calcite stringer, @ 45 dca. 243.30 243.85 Bleached and brecciated section. Pale brown to buff and greenish buff. Brecciated. 15% brecciated quartz-carbonate veining. 5% very fine to fine-grained scattered pyrite. Upper contact @ 40 dca and lower contact @ 45 dca. 245.25 0.5cm quartz-calcite stringer @ 35 dca. 250.65 1cm quartz-calcite-chlorite stringer @ 50 dca. 251.88 1.5cm quartz-calcite stringer @ 55 dca. Lower contact (263.45), broken.	108700	232.00	233.50	1.50	.030			
				108701	233.50	235.00	1.50	.070			
				108702	235.00	236.50	1.50	.000			
				108703	236.50	238.00	1.50	.380			
				108704	238.00	239.50	1.50	.030			
				108705	239.50	241.00	1.50	.000			
				108706	241.00	242.50	1.50	.000			
				108707	242.50	244.00	1.50	.140			
				108708	244.00	245.50	1.50	.000			
				108709	245.50	247.00	1.50	.000			
				108710	247.00	248.50	1.50	.000			
				108711	248.50	250.00	1.50	.000			
				108712	250.00	251.50	1.50	.000			
				108713	251.50	253.00	1.50	.000			
				108714	253.00	254.50	1.50	.000			
				108715	254.50	256.00	1.50	.000			
				108716	256.00	257.50	1.50	.000			
				108717	257.50	259.00	1.50	.000			
				108718	259.00	260.50	1.50	.000			
				108719	260.50	262.00	1.50	.000			
108720	262.00	263.45	1.45	.000							
263.45	264.25	X X X X X	TALC-CHLORITE SCHIST Dark green to black green. Fine-grained. Locally brecciated. 5-10% irregular quartz-carbonate veining and 15%, subrounded quartz-carbonate masses. Chloritic. Talcose. Local hematite alteration and fracture-filling. Moderately soft to soft. Moderately to strongly magnetic. Overall 2-3% fine to medium-grained subhedral to anhedral, scattered pyrite. Locally up to 5% pyrite. Minor intermittent fault gouges. Lower contact (264.25), @ 50 dca.	108721	263.45	264.50	1.05	.000			
				108722	264.50	266.00	1.50	.000			
264.25	273.30	X X X X X	FAULT ZONE Blocky and crumbly talc chlorite schist, with common fault gouges. 267.40 267.48 Quartz-calcite stringer. 10% talc chlorite schist fragments. Upper contact @ 50 dca and lower contact @ 75 dca. 269.30 269.45 15% fine to medium-grained subhedral to anhedral pyrite, in gouge. Lower contact (273.30), @ 50 dca.	108723	266.00	267.50	1.50	.000			
				108724	267.50	269.00	1.50	.070			
				108725	269.00	270.50	1.50	.030			
				108726	270.50	272.00	1.50	.030			
				108727	272.00	273.50	1.50	.000			
273.30	295.45	X X X X X	TALC-CHLORITE SCHIST Similar to 263.45m. 1-2% fine to medium-grained subhedral to anhedral, scattered pyrite. Locally up to 3% pyrite. 276.60 276.80 FAULT GOUGE. Upper contact @ 40 dca and lower contact @ 50 dca. 277.35 277.50 FAULT GOUGE. Upper contact @ 50 dca and lower contact @ 40 dca. 289.58 1.5cm quartz-calcite-chlorite stringer @ 40 dca. 292.85 2-2.5cm quartz-calcite stringer @ 15 dca. Lower contact (295.45), @ 55 dca.	108728	273.50	275.00	1.50	.000			
				108729	275.00	276.50	1.50	.000			
				108730	276.50	278.00	1.50	.000			
				108731	278.00	279.50	1.50	.000			
				108732	279.50	281.00	1.50	.000			
295.45	298.90	X X X X X	FAULT ZONE Blocky and crumbly talc chlorite schist, with common fault gouges. Lower contact (298.90), @ 50 dca.	108733	298.90	299.40	0.50	.000			
				108734	299.40	300.90	1.50	.000			

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU
366.40	374.90		366.25 366.40 Quartz-calcite vein. 5% grey-green carbonate fragments. Upper contact brecciated. Lower contact (366.40), @ 25 dca.								
			TALC-CHLORITE SCHIST Similar to above.								
			370.20 4cm FAULT GOUGE @ 50 dca.	108768	366.40	367.50	1.10	.000			
			372.45 374.90 Grey carbonate. Pale grey. Fine-grained. Fragmental, with 20-30% bleached mafic volcanic fragments. Foliated @ 40-50 dca. Local contorted foliation. 15-20% and locally up to 30%, irregular quartz-carbonate veining. Moderately hard to hard. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Upper contact @ 70 dca.	108769	367.50	369.00	1.50	.000			
				108770	369.00	370.00	1.00	.000			
				108771	370.00	371.00	1.00	.000			
				108772	371.00	372.45	1.45	.000			
				108773	372.45	373.50	1.05	.000			
				108774	373.50	374.90	1.40	.000			
			372.55 1cm quartz-calcite stringer @ 70 dca.								
			374.10 374.85 Quartz-calcite vein. Irregular and brecciated. Both contacts brecciated. Lower contact (374.90), @ 60 dca.								
374.90	383.30		TUFFACEOUS PYROCLASTIC Grey to pale grey-green and pale olive green. Fine-grained. 5-10% small, elongated tuffaceous clasts. Foliation @ 30-40 dca. Occasional 2-3mm amygdules. 5-10% irregular and brecciated quartz-carbonate veining. Weakly to moderately sericitic locally. Siliceous. Moderately hard to hard. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Locally up to 5% pyrite.	108775	374.90	375.90	1.00	10.680			
				108776	375.90	377.00	1.10	.310			
				108777	377.00	378.50	1.50	.140			
				108778	378.50	380.00	1.50	.070			
				108779	380.00	381.00	1.00	.000			
			374.90 375.90 Altered mafic volcanics. Dark grey to brownish grey. Very fine to fine-grained. Brecciated. 10% irregular and brecciated quartz-carbonate veining. Weakly sericitic locally. Moderately hard to moderately soft. Non-magnetic. Locally up to 5% very fine to fine-grained scattered pyrite. Lower contact @ 35 dca.	108780	381.00	382.00	1.00	.000			
				108781	382.00	383.30	1.30	.000			
			Lower contact (383.30), @ 50 dca.								
383.30	388.80		POIKILOBLASTIC DIABASE Dark grey-green. Fine-grained. Massive. Crackled. Rare 5-7mm plagioclase poikiloblasts. Occasional to rare quartz-carbonate fracture-filling. Moderately hard to hard. Magnetic. Lower contact (388.80), @ 30 dca.								
388.80	389.15		FAULT ZONE Blocky and gougy DIABASE. Lower contact (389.15), broken.								
389.15	402.40		TUFFACEOUS PYROCLASTIC Similar to above. Local quartz flooding.	108782	389.15	390.50	1.35	.070			
			389.80 1.5cm quartz-calcite stringer @ 30 dca.	108783	390.50	392.00	1.50	.070			
			390.85 1cm quartz-calcite stringer @ 45 dca.	108784	392.00	393.50	1.50	.000			
			398.10 4cm brecciated quartz-calcite stringer, @ 50 dca.	108785	393.50	395.00	1.50	.000			
			Lower contact (402.40), broken.	108786	395.00	396.50	1.50	.100			
				108787	396.50	398.00	1.50	.010			
				108788	398.00	399.50	1.50	.100			
				108789	399.50	401.00	1.50	.000			
				108790	401.00	402.40	1.40	.000			
402.40	423.30		GREY-GREEN CARBONATE Similar to 363.00m. Foliated @ 30-40 dca. Locally up to 5% pyrite.	108791	402.40	403.50	1.10	.030			
			410.70 1cm FAULT GOUGE @ 10 dca.	108792	403.50	405.00	1.50	.030			
			411.30 4cm FAULT GOUGE @ 30 dca.	108793	405.00	406.50	1.50	.000			
			412.15 6cm FAULT GOUGE @ 35 dca.	108794	406.50	408.00	1.50	.000			
			Lower contact (423.30), @ 50 dca.	108795	408.00	409.50	1.50	.000			
				108796	409.50	411.00	1.50	.000			
				108797	411.00	412.50	1.50	.000			
				108798	412.50	414.00	1.50	.000			
				108799	414.00	415.50	1.50	.000			
				108800	415.50	417.00	1.50	.000			
				108801	417.00	418.50	1.50	.100			
				108802	418.50	420.00	1.50	.030			
				108803	420.00	421.00	1.00	.210			
				108804	421.00	422.00	1.00	.000			
				108805	422.00	423.30	1.30	.000			
423.30	506.00		TALC-CHLORITE SCHIST Similar to above.	108806	423.30	424.50	1.20	.140			
			427.65 2cm FAULT GOUGE @ 35 dca.	108807	424.50	425.50	1.00	.000			
			431.00 2.5cm quartz-calcite stringer @ 40 dca.	108808	425.50	426.50	1.00	.000			

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORD

Hole No: S98-14
Page: 6 of 7

Date: 20 Apr, 1999

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU
			438.00 4cm FAULT GOUGE @ 45 dca.	108809	480.80	481.85	1.05	.000			
			468.80 4cm FAULT GOUGE @ 55 dca.	108810	481.85	483.00	1.15	.000			
			480.80 481.85 White quartz feldspar porphyry. White to pale green. Aphanitic matrix, with numerous 1-2mm white feldspar phenocrysts. Common quartz-carbonate fracture-filling. Numerous 1mm mafic spots. Strongly silicified. Very hard. Non-magnetic. Overall minor to 1% very fine to fine-grained scattered pyrite. Upper contact @ 50 dca and lower contact @ 15 dca.								
			482.10 482.35 FAULT GOUGE. Upper contact broken and lower contact @ 70 dca.								
			498.90 1cm quartz-calcite stringer @ 65 dca.								
			Lower contact (506.00), @ 55 dca.								
506.00	506.45		FAULT ZONE Gouge. Lower contact (506.45), @ 20 dca.								
506.45	507.68		TALC-CHLORITE SCHIST Similar to above. Lower contact (507.68), @ 65 dca.								
507.68	511.00		FAULT ZONE Blocky and crumbly talc chlorite schist, with common fault gouges. Lower contact (511.00), @ 60 dca.								
511.00	559.95		TALC-CHLORITE SCHIST Similar to above.								
			512.67 6cm FAULT GOUGE @ 50 dca.								
			512.92 513.25 Pale pink quartz feldspar porphyry. Common 2-3mm feldspar phenocrysts. Numerous mafic laths. Intensely hydrofractured. Brecciated. 20% brecciated and irregular quartz-carbonate veining. Silicified. Very hard. Non-magnetic. Overall 10% very fine to fine-grained scattered pyrite. Upper contact @ 70 dca and lower contact irregular @ approximately 60 dca.								
			520.53 1cm FAULT GOUGE @ 45 dca.								
			534.40 2cm FAULT GOUGE @ 40 dca.								
			547.70 4cm FAULT GOUGE @ 60 dca.								
			Lower contact (559.95), @ 50 dca.								
559.95	560.40		FAULT ZONE Gouge. Lower contact (560.40), @ 55 dca.								
560.40	568.40		TALC-CHLORITE SCHIST Similar to above.	108811	564.00	565.50	1.50	.070			
			561.28 561.47 ALBITITE dyke. White. Numerous 2-3mm, albite phenocrysts. Common bluish black phenocrysts. Siliceous. Very hard. Non-magnetic. Overall 5% fine to medium-grained subhedral to anhedral, scattered pyrite. Upper contact @ 60 dca and lower contact @ 60 dca.	108812	565.50	567.00	1.50	.170			
			561.47 568.40 Unit becomes foliated @ 45-60 dca.	108813	567.00	568.40	1.40	.000			
			566.16 566.65 Sedimentary inclusion. Upper contact @ 55 dca and lower contact @ 65 dca.								
			Lower contact (568.40), @ 45 dca.								
568.40	579.65		ARGILLITE-GREYWACKE Grey to pale grey. Fine-grained. 15-20% dark grey to black ARGILLITE beds. Bedding @ 50-60 dca. Rare quartz-carbonate stringers and fracture-filling. Moderately hard to moderately soft. Non-magnetic. Overall 1-2% very fine to fine-grained subhedral to anhedral, scattered pyrite. Locally up to 3% pyrite.	108814	568.40	569.50	1.10	.000			
			568.40 571.00 Minor local sericite alteration.	108815	569.50	571.00	1.50	.000			
			Lower contact (579.65), @ 60 dca.	108816	571.00	572.50	1.50	.000			
579.65	581.30		TALC-CHLORITE SCHIST Similar to above. Lower contact (581.30), @ 60 dca.								
581.30	831.00		ARGILLITE-GREYWACKE Similar to above.	108817	610.50	612.00	1.50	.000			
			581.80 1cm quartz-calcite stringer @ 30 dca.	108818	612.00	613.50	1.50	.030			
			612.60 612.88 Brecciated unit, with contorted bedding and 10% quartz-carbonate veining. 5% fine to medium-grained subhedral to anhedral, scattered pyrite. Upper contact @ 60 dca and lower contact @ 55 dca.	108819	613.50	615.00	1.50	.070			
				108820	615.00	616.50	1.50	.000			
				108821	620.00	621.55	1.55	.000			

Date: 20 Apr, 1999

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORDHole No: S98-14
Page: 7 of 7

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU	
	621.55	[Brick pattern]	622.20 Quartz-calcite vein. Brecciated. 5%, sedimentary fragments. 3% fine to medium-grained subhedral to anhedral, scattered pyrite. Minor pyrrhotite. Upper contact irregular @ approximately 50 dca and lower contact brecciated.	108822	621.55	622.50	.95	.030				
				108823	622.50	624.00	1.50	.030				
				108824	624.00	625.50	1.50	.000				
	624.10			625.20 Quartz-calcite vein. Similar to above. Upper contact @ approximately 55 dca and lower contact @ approximately 20 dca.	108825	625.50	627.00	1.50	.000			
	627.65			1cm quartz-calcite stringer @ 30 dca.	108826	627.00	628.50	1.50	.030			
	633.55			633.75 Quartz-calcite vein. Barren. Upper contact @ 25 dca and lower contact @ 35 dca.	108827	637.00	638.50	1.50	.030			
	638.50			640.45 Contorted quartz-carbonate fracture-filling.	108828	638.50	640.00	1.50	.100			
	639.68			5mm pyrite filled fracture, @ 40 dca.	108829	640.00	641.50	1.50	.000			
	639.83			3mm quartz-carbonate and pyrite filled fracture, @ 60 dca.	108830	664.00	665.50	1.50	.000			
	666.60			667.10 Quartz-calcite vein. Brecciated. 10%, sedimentary fragments. 5% fine to medium-grained pyrite. Minor pyrrhotite. Upper contact @ 65 dca and lower contact @ approximately 20 dca.	108831	665.50	666.60	1.10	.000			
					108832	666.60	667.50	.90	.030			
					108833	667.50	668.50	1.00	.000			
	667.10			667.85 Brecciated section, with 30% irregular quartz-carbonate veining. 5% pyrite. Minor pyrrhotite.	108834	668.50	670.00	1.50	.000			
					108835	670.00	671.50	1.50	.000			
	667.85			668.32 Quartz-calcite vein. Brecciated. Barren, with 5% pyrite at contacts. Upper contact @ 60 dca and lower contact brecciated.								
	742.57			0.5cm quartz-calcite stringer @ 10 dca.								
	761.00			2.5cm quartz-calcite stringer @ 50 dca.								
	780.10			4cm quartz-calcite stringer @ 35 dca.								
	782.83			783.00 Quartz-calcite vein. Barren. Upper contact @ 45 dca and lower contact brecciated.								
	796.35			1.5cm quartz-calcite stringer @ 45 dca.								
	818.80		3cm quartz-calcite stringer @ 35 dca.									
	826.33		3cm quartz-calcite stringer @ 40 dca.									
831.00			END OF HOLE CORE STORED ON STOCK MINE PROPERTY.									

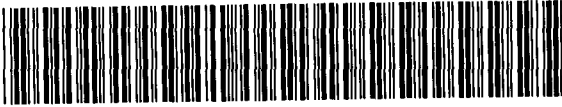


Declaration of Assessment Work Performed on Mining Land

Transaction Number (office use) <i>W960.0080</i>
Assessment Files Research Imaging

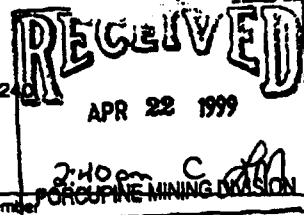
ction 66(2) and 66(3), R.S.O. 1990

subsection 66(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this form should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury.



42A10SW2015 2.19477 STOCK 900

Instructions: - For work performed on Crown Lands before recording a claim, use form 0241
- Please type or print in ink.



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

Name St Andrew Goldfields Ltd.	Client Number 196705
Address RR#2	Telephone Number (705)-273-2525
Matheson, Ontario P0K 1N0	Fax Number (705)-273-3333
Name	Client Number
Address	Telephone Number
	Fax Number

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

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

Work Type Surface Diamond Drilling 598-14	Office Use Commodity Total \$ Value of Work Claimed <i>72,159</i>
Date Work Performed From 01 05 98 To 22 05 98 Day Month Year Day Month Year	NTS Reference
Global Positioning System Data (if available): Township/Area Stock M or G-Plan Number G-3248	Mining Division <i>Porcupine</i> Resident Geologist District <i>Timmins</i>

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

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

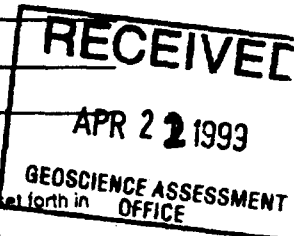
Name Kian A. Jensen	Telephone Number (705) 273-2525
Address RR#2, Matheson, Ontario P0K 1N0	Fax Number (705) 273-3333
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

2-19477

4. Certification by Recorded Holder or Agent

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

Signature of Recorded Holder or Agent <i>Kian Jensen</i>	Date <i>April 21/99</i>
Agent's Address RR#2, Matheson, Ontario P0K 1N0	Telephone Number 705-273-2525 Fax Number 705-273-3333



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

Telephone: (888) 415-9846
Fax: (877) 670-1555

May 31, 1999

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

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

Dear Sir or Madam:

Submission Number: 2.19477

Status

Subject: Transaction Number(s): W9960.00180 Deemed Approval

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

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

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

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at steve.beneteau@ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.19477

Date Correspondence Sent: May 31, 1999

Assessor: Steve Beneteau

General Comment:

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9960.00180	104881-2	STOCK	Deemed Approval	May 31, 1999

Section:

16 Drilling PDRILL

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

K. A. Jensen
MATHESON, ONTARIO, CANADA

ST. ANDREW GOLDFIELDS LTD.
TORONTO, Ontario

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

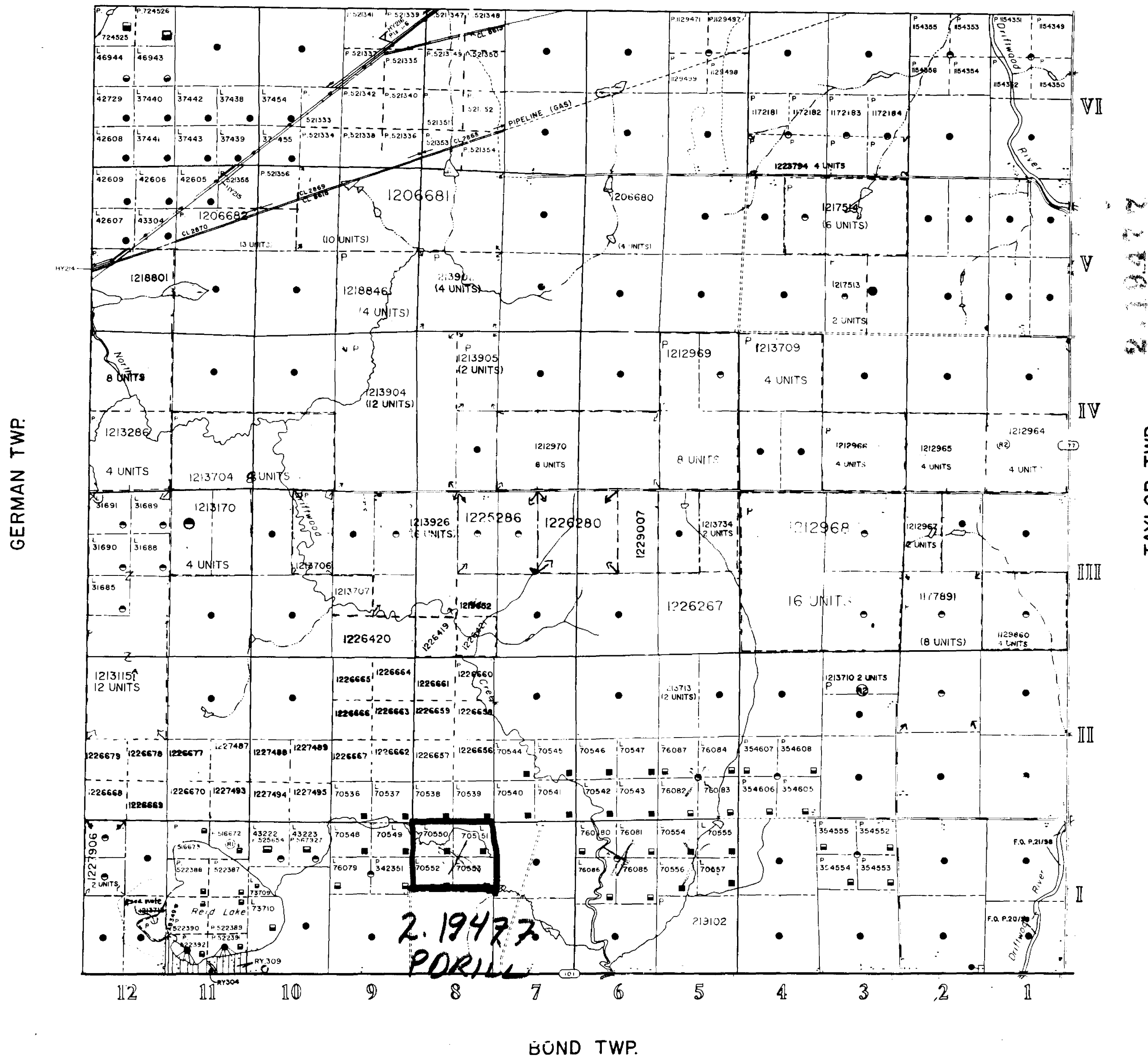
- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R1) Reserve for recreational purposes under Sec 3 P.L.A.			S.R.O.	188543
(R2) Application pending under P.L.A. for surface rights				

Note
 * Order W. 25/83, July 15, 1983, withdrew mining rights on lands covered by navigable water that would have passed to a patentee or lessee except for their reservation by Sect. 1 of The Beds of Navigable Waters Act.

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

CLERGUE TWP.



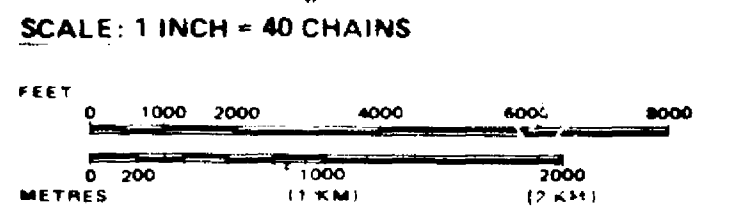
LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

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



TOWNSHIP
STOCK
 M.N.R. ADMINISTRATIVE DISTRICT
 TIMMINS
 MINING DIVISION
 PORCUPINE
 LAND TITLES / REGISTRY DIVISION
 COCHRANE






Date: MARCH, 1985
 Number: **G-3248**
 ACTIVATED APR 25 1985



STOCK TWP.

LEGEND

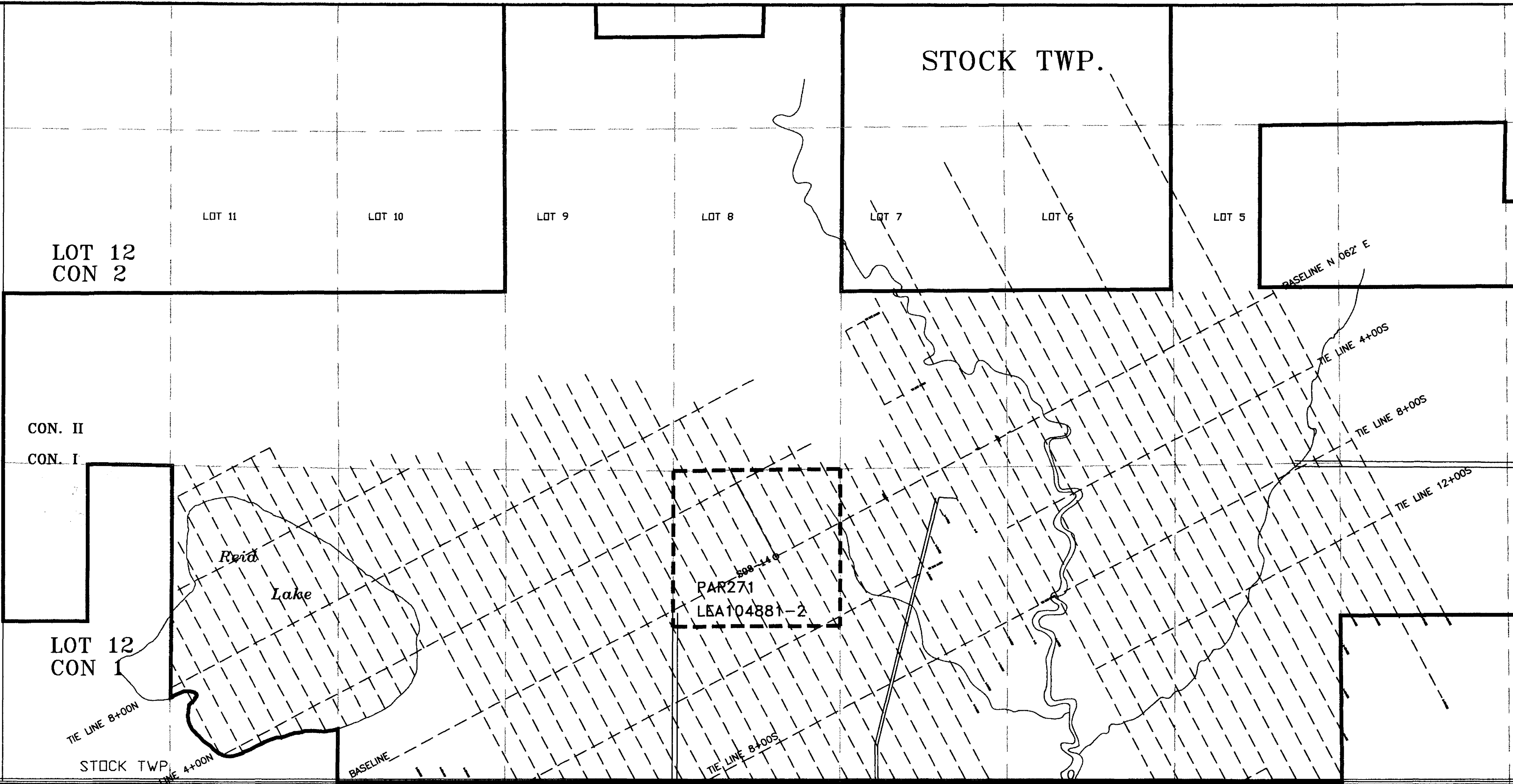
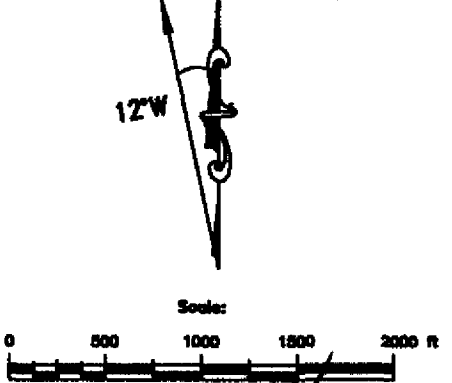
-  DDH: location & hole number
-  Mine buildings
-  Property boundary

Leased claims: Stock Township:
 Source of assessment work:
 N1/2, LOT 8, CON I
 Leased Claim L-70553, Parcel 271
 Lease Number 104881-2

DDH S98-14 is located approx. 1384.1 feet south and 1012.1 feet west of the NE corner of the N1/2 of Lot 8, Concession I

Collar at Line 9+00 West 0+00 South
 DDH S98-14 Azi=332° Dip=-65°

RECEIVED
 APR 23 1999
 GEOSCIENCE ASSESSMENT OFFICE



← Timmins (45km) Matheson (35km) Highway 101 →



Stock Mine
 Plan View: DDHs S98-14
 FILE NAME: STK-Plan-S98-14 DATE: April 19, 1999

