2.20405

Date: 13 Jun, 2000

ST. ANDREW GOLDFIELDS LTD.
DIAMOND DRILL RECORD

REF CORD: 14.80 3811.00 | CLAIM NUM: LEASE 1393 COCH | TOWNSHIP: STOCK | PROVINCE: ONTARIO | HOLE NO: R99-1

LOCATION 1: 0+14.8N 38+11.8W | GRID 1: 1999: METRIC | ELEV 1: 3051.10 | PROPERTY: REID LAKE

LOCATION 2: 284.8N -7153.3E | GRID 2: MINE ASTRO GRID | ELEV 2: 10010 | PROJECT: STOCK WEST

LEVEL: SURFACE | CASING LEFT IN HOLE (Y/N)? YES | SURVEYED (Y/N)? NO | PROVINCE: ONTARIO

AZIMUTH: 12.0 Deg. | LENGTH: 512.0 m | SECTION: REID LAKE | LOGGED BY: SERGE NADEAU

DIP: -50.0 Deg. | CORE SIZE: NQ | SYSTEM OF MEASURE: METRIC | DATE LOGGED: 22 JAN 1999

STARTED: 22 JAN 1999 | COMPLETED: 27 JAN 1999 | NTS: | DRILLED BY: DOMINIK DIAMOND DRILLING LTD

PURPOSE: | ASSAY TYPE: FA | RIG:

COMMENTS: Drilling south of Reid Lake to test deep IP anomaly | TEST METHOD: TROPARI | PROJECT SUPERVISOR: K.A. JENSEN

DIP TESTS (corrected)

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
105.00	12.00	-50.0	252.00	21.00	-47.0	402.00	22.00	-48.0			
150.00	17.00	-49.0	303.00	24.00	-47.0	450.00	23.00	-50.0			
201.00	21.00	-47.0	351.00	21.00	-47.0	501.00	27.00	-50.0			

From (m)	To (m)	Rock Type	Geology
.00	53.00		CASING LEFT IN THE HOLE
53.00	115.50		VARIOLITIC MAFIC VOLCANIC Dark to pale green to medium grey. Fine to medium grained. Moderately hard to hard. Blocky core, broken in fragments of 1-15cm, mostly 1-5cm. Non magnetic except 3cm of dyke fragment. Mainly variolitic mafic volcanic and locally massive mafic volcanic flow. Massive texture of blocky core fragments between 53.00 to 85.50. From 85.50 to 103.50 mostly variolitic basalt core fragments. Rare pillow rims. Very rare spinifex texture in some fragments with interstitial albite and calcite. Overall <0.1% calcite stringers in open fractures and along pillow breccia selvages. From 103.50 to 109.00 up to 5-10% calcite stringers at 50 & 70 drill core angle. Late cross cutting quart-calcite stringers at 10-15 drill core angle. Overall 0.1-0.5% dissiminated sulfides along fractures and filling between pillow breccias. 54.00 57.00 Core lost, missing over 2.75m. 75.00 77.50 2.5m of grind core, missing. 78.00 80.50 2.5m of grind core, missing. 81.00 82.00 1.0m of grind core, missing. 93.85 Pillow breccia with carbonate filling fractures. 1cm calcite stringers and volcanic fragments stretched at 55-60 drill core angle. Late cross cutting 1mm stringers at 10 drill core angle. Styloliths at 50 drill core angle. 96.00 109.00 Massive Mafic Volcanic. Pale green. Fine to medium grained. Homogeneous. 103.50 3cm calcite stringer in pillow breccia. Upper contact broken at 70 drill core angle. Lower contact at 60 drill core angle. 112.50 115.50 Variolitic volcanic similar to above. Matrix flooded by 15% calcite and quartz-calcite stringers. Of variable directions. 113.30 113.50 Crumbly core.
115.50	117.00		FINE-GRAINED DIABASE Dark grey to dark green. Fine grained along chilled margin over 0.1m to medium grained in center. Weakly magnetic. Black amphibole and white albite microphenocryst laths 0.1-0.5cm. Late calcite stringers at 20 and 60 drill core angle. Overall 1% dissiminated pyrite. Upper and lower contacts at 40 and 45 drill core angles.
117.00	124.50		MASSIVE MAFIC VOLCANIC Pale green.Fine to medium grained. Moderately hard to hard. Blocky core broken in fragments of 1-15cm, mostly 1-5cm. Non magnetic except 3cm of dyke fragment. Massive texture of blocky core fragments. Mostly massive basalt core fragments. Rare pillow rims. Very rare spinifex texture in some fragments with albite and calcite between blades. Overall 5-10% late cross cutting quartz-calcite stringers filling open fractures. Overall 1-5% dissiminated sulfides along fractures and filling between pillow breccias.

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

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			118.50 118.80 Crumbly gouze zone. Upper and lower contact broken at 10 degree and 70-75 drill core angle.								
124.50	143.95		VARIOLITIC MAFIC VOLCANIC Pale to medium green. Fine grained. Moderately hard. Non Magnetic. Flow thickness about 0.5-1m. Vesicles in upper part of lava flow. Upper and lower flow contact at 65 to 70 drill core angle. Late alteration minerals: chlorite, epidote and hematite. Purple to red hematite along fractures. Overall 2-5% calcite and quartz-calcite stringers mostly located at/or near flow tops and along pillow breccias. 2-3 cm stringers at 55 to 70 drill core angle and late 1 mm stringers at 15 and 70 drill core angle. Increase from 2 to 10% stringers along flow top at >133.0. Overall 0.5-2% pyrite along stringers and filling partly some vesicles. 130.35 131.20 Variolitic massive volcanic, 1% calcite stringers and 1 % pyrite in stringers. 138.00 139.25 Variolitic massive volcanic, 15% calcite stringers, about 2% dissiminated pyrite. 139.25 140.00 Variolitic massive volcanic, 5-10% calcite stringers along flow top, 5-10% dissiminated pyrite+hematite filling. 142.00 143.25 Variolitic massive volcanic, 5% quartz-calcite stringers, dissiminated pyrrhotite,5% dissiminated pyrite in calcite-rich stringers. 143.25 143.95 Variolitic massive volcanic, 5% pyrite in calcite stringers.	823353 823351 823352 823354 823355	130.35 138.00 139.25 142.00 143.25	131.20 139.25 140.00 143.25 143.95	.85 1.25 .75 1.25 .70	.050 .040 .000 .000 .000			
143.95	200.85		MASSIVE MAFIC VOLCANIC Dark green to dark grey. Massive. Fine to medium-grained. Hard. Weakly magnetic. Flow contact rarely observed at zone of stringers increased proportion. Flow thickness of 1 to 1.5m. Quartz-calcite stringers with irregular contacts at 30 and 60 drill core angle and along flow tops. Increase in late epidote-filling stringers from 1 to 10% at 50 drill core angle cutting across quartz-calcite stringers. 154.90 155.25 Crumbly core. 182.30 183.50 Rock cut by network of up to 20% of 1-2mm calcite stringers in conjugate sets at 15, 25 and 40 drill core angle. 183.50 186.00 Blocky core, fragments 5-20 cm, by network of calcite stringers flooding the rock in all direction. 194.80 194.90 Crumbly core.									
200.85	236.15		VARIOLITIC MAFIC VOLCANIC Pale to medium green. Fine grained. Moderately hard. None to weakly magnetic. Flow thickness around 0.5-1m. Vesicles in upper part of lava flow. Between 200.85 to 214.60 localized zones of blocky core at: 206.50 to 207.00, 207.50 to 209.50, 211.50 to 212.00. 214.60 217.00 Blocky core. 220.50 222.50 Blocky core. Schistosity along flow top at 40 drill core angle. 235.15 236.15 Local brecciation of volcanic rocks with extensive silification and carbonatization in the first 10cm. Chloritization of the matrix and local pyrite-enrichment. Matrix fragments at 45 drill core angle, variable. Penetrative foliation at 60 drill core angle. Matrix cut by a network of 1mm quartz-calcite stringers at 15 and 30 drill core angle. 234.00 235.15 Variolitic mafic volcanic, 1-15% quartz-calcite stringers, 2-3% pyrite around stringers. 235.15 236.15 Variolitic mafic volcanic, silicified and brecciated, 1-2% dissiminated pyrite.	823384 823385	234.00 235.15	235.15 236.15	1.15 1.00	.000 .000			
236.15	243.10		GREY QUARTZ FELDSPAR PORPHYRY Dark to medium grey. Locally white to pinkish with up to 35-40 % feldspar crystals. Medium to coarse grained. Homogeneous. Hard. Non magnetic. Feldspar laths range from <1 to 4 mm. Feldspar foliation at 50-60 drill core angle. Locally 5-15% chloritized mafic minerals. Interstitial <1mm quartz. Overall 1-5% of 1-3mm quartz-calcite stringers at 20 and 50 drill core angle. Overall 1-3% locally up to 5% dissiminated fine-grained cubic pyrite. From 237.0 243.10 Matrix is darker grey to black. Rare pink areas around feldspar. Fine grained to medium grained. Finer grained at upper contact over 10 cm. Mostly hard due to silicification of the matrix. Moderately soft matrix due to chloritized mafic minerals. Non Magnetic. 1-2% of 1 to 2mm white to pink feldspar laths. Feldspar foliation at 50-60 drill core angle. Overall 5 to 15% of pinkish 1-2mm quartz-calcite stringers with 15 to 30 drill core angle along upper and lower parts. Locally complex stringer networks wrapping around porphyry fragments. Overall 3-5% very fine-grained dissiminated pyrite. Locally stringers with up to 30% of very fine-grained pyrite. 239.30-239.35 Dykelet of very fine-grained grey feldspar porphyry with irregular contacts. Rare mafic and feldspar crystals. 2-5% of late quartz-calcite and chlorite stringers at 15 drill core angle. 242.10 242.30 Mafic dyke. Dark grey to green. Fine grained. Moderately hard. Weakly magnetic. Upper and lower contacts broken at 70 and 50 drill core angle. 10-20% quartz-calcite stringers at 20 and 60 drill core angle. 236.15 237.00 Grey quartz feldspar porphyry, coarse grained, 5% quartz-calcite stringers, 3-5% dissiminated pyrite (up to 1mm cube).	823386 823387 823388 823389 823390 823391 823392	236.15 237.00 238.00 239.00 240.00 241.00 242.10	237.00 238.00 239.00 240.00 241.00 242.10 243.10	.85 1.00 1.00 1.00 1.00 1.10 1.00	.000 .000 .000 .000 .000 .000 .000			

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			237.00 238.00 Grey feldspar porphyry, 10% quartz-calcite stringers, 3-5% fine-grained pyrite. 238.00 239.00 Grey feldspar porphyry, 1-2% quartz-calcite stringers, 2-3% dissiminated pyrite. 239.00 240.00 Grey feldspar porphyry 5-10% quartz-calcite stringers, 2-5% dissiminated pyrite. 240.00 241.00 Grey quartz feldspar porphyry 3-5% quartz-calcite stringers, 2-10% dissiminated pyrite. 241.00 242.10 Grey quartz feldspar porphyry,, 5-10% quartz-calcite stringers, 2-15% dissiminated pyrite up to 1mm. 242.10 243.10 Grey quartz feldspar porphyry, 1-5% quartz-calcite stringers, 2-3% dissiminated pyrite.								
243.10	270.90		MASSIVE MAFIC VOLCANIC Dark grey to dark green. Massive and homogeneous. Flow about 1m thick. Flow top breccia is paler green. Fine grained flows except locally with medium grained feldspar-phyric flow, 5-10% plagioclase. Moderately hard. Non to weakly magnetic. Flow tops at 60-70 drill core angle often with associated quartz-calcite stringers. Fragments in flow top breccia stretched at about 50 drill core angle. Overall 2 to 10% of 1-2cm quartz-calcite stringers mostly present along flow tops at 60 to 70dca, more rarely at 80 to 90 drill core angle. Overall 2 to 5% dissminated pyrite and up to 20-25% in chlorite-rich stringers. 269.70 270.87 Strongly deformed volcanic rock with increasing silification and pyritization toward the contact with the porphyry. Overall 5% quartz- calcite stringers with up to 20% pyrite in strongly chloritized and silicified areas. Commonly 2cm quartz-calcite stringers at 70 drill core angle Penetrative schistosity defined by chlorite+pyrite bands at 70 drill core angle. 243.10 244.30 Massive mafic volcanic, 2% quartz-calcite stringers, 1-2% dissiminated pyrite. 244.30 245.50 Massive mafic volcanic, 5-10% quartz-calcite stringers, 1-2% dissiminated pyrite. 245.50 246.90 Massive mafic volcanic, 2-3% quartz-calcite stringers, 5-10% pyrite along chlorite stringers. 246.90 248.05 Massive mafic volcanic, 5% quartz-calcite stringers, 1-2% dissiminated pyrite. 248.05 249.00 Massive mafic volcanic, 3% quartz-calcite stringers, 1-3% dissiminated pyrite. 249.00 250.45 Massive mafic volcanic, 3% quartz-calcite stringers, 1% dissiminated pyrite. 250.45 251.40 Massive mafic volcanic, rare quartz-calcite stringers. 251.40 252.55 Massive mafic volcanic, 2% quartz-calcite stringers, 1-2% dissiminated pyrite amd up to 10% along stringers. 252.55 253.30 Massive mafic volcanic, <1% quartz stringers, rare chlorite stringers, 1-3% dissiminated pyrite. 253.30 254.65 Massive mafic volcanic, 1% quartz-calcite stringers, 2% dissiminated pyrite. 254.65 256.10 Massive mafic volcanic, 5% quartz-calcite stringers, sericitization, 3-5% dissiminated pyrite. 256.25 257.85 Massive mafic volcanic, 0.5% quartz-calcite stringers, 0.5% hematite+K feldspar,locally 1% dissiminated pyrite. 257.85 259.15 Massive mafic volcanic, hematization, 1-3% dissiminated pyrite. 259.15 260.50 Variolitic mafic volcanic, hematization, 1% quartz-calcite, 1-2% dissiminated pye. 260.50 261.85 Variolitic mafic volcanic, hematization, 1-2% dissiminated pyrite. 261.85 263.60 Variolitic mafic volcanic, hematization, 1-2% dissiminated pyrite. 263.60 264.90 Variolitic mafic volcanic, hematization, 1-2% dissiminated pyrite. 264.90 266.15 Variolitic mafic volcanic, hematization, 1% quartz-calcite stringers, 1-2% pyrite and up to 5-10% locally in stringers. 266.15 267.45 Massive mafic volcanic, silicified with 10 % quartz-calcite stringers, 1% dissiminated pyrite. 267.45 268.35 Massive mafic volcanic, weakly silicified, <1% quartz-calcite stringers, <0.1% dissiminated pyrite. 268.35 269.70 Massive mafic volcanic, weakly silicified, 2-3% quartz-calcite stringers, 1% dissiminated pyrite. 269.70 270.90 Massive mafic volcanic, strongly silicified, up to 15-20% pyrite in chloritic and silicified zones.	823393 823394 823395 823396 823397 823398 823399 823400 847951 847952 847953 847954 847955 847956 847957 847958 847959 847960 823356 823357 823358 823359	243.10 244.30 245.50 246.90 248.05 249.00 250.45 251.40 252.55 253.30 254.65 256.25 257.85 259.15 260.50 261.85 263.60 264.90 266.15 267.45 268.35 269.70	244.30 245.50 246.90 248.05 249.00 250.45 251.40 252.55 253.30 254.65 256.10 257.85 259.15 260.50 261.85 263.60 264.90 266.15 267.45 268.35 269.70 270.90	1.20 1.20 1.40 1.15 .95 1.45 .95 1.15 .75 1.35 1.45 1.60 1.30 1.35 1.35 1.75 1.30 1.25 1.30 .90 1.35 1.20	.000 .090 .000 .000 .040 .000 .000 .070 .000 .190 1.000 .000 .000 .000 .000 .000 .000 .210 .060 .000 .060 1.510			
270.90	300.20		GREY FELDSPAR PORPHYRY Dark grey to medium grey. Locally pale pink to cream along fractures of variable direction. Fine-grained along upper and lower contacts. Rare feldspar phenocrysts about 1mm size in chilled margins. Silica-rich matrix becoming darker in zones of chlorite fractures. From 277.50 to 290.75 rock becomes locally more pinkish by up to 20-30% K-feldspath, in hydrofractures and containing with up to 10-15% dissiminated pyrite and also within stringers. Overall 1-2% of <1mm late quartz-calcite stringers reaching locally up to 15% forming network of cross-cutting stringers at 15-25 and 35-45 drill core angle. Rare ~1cm quartz stringers. Overall 2 to 5% dissimnated pyrite but locally up to 15% associated to late chlorite stringers. 278.20 278.48 Rock is finely brecciated and hematized with 15-20% porosity K-feldspar stringers (hydrofractures) at 30-50 drill core angle. 289.50 300.20 Porphyry strongly silicified with pale grey to white color and locally to darker	823360 823361 823362 823363 823364 823365 823366 823367 823368 823369 823370	270.90 272.00 273.45 274.45 276.00 277.50 278.50 279.80 280.50 282.00 283.50	272.00 273.45 274.45 276.00 277.50 278.50 279.80 280.50 282.00 283.55 285.00	1.10 1.45 1.00 1.55 1.50 1.00 1.30 .70 1.50 1.55 1.50	.390 4.913 .150 .340 .270 .340 .190 .100 .100 .140 .080			

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			grey patches. From 293.20 to 294.90 and 295.80 to 300.0 locally over 10-20cm intense hydrofraturing up to 30% by volume with more orange to pinkish color. Hydrofractures at 25 and 40 drill core angle forming network of subparallel fractures. Late chlorite stringers at 60-80 drill core angle. Rare late 0.5-1cm quartz stringers at 70 drill core angle cutting across K-feldspath-rich hydrofractures and late chlorite stringers. Pyrite only present in late quartz stringers. 300.00 300.20 Porphyry dyke lower fine-grained chilled margin. Dark grey to black. Fine-grained matrix with 5-10% of 1-2mm feldspar phenocrysts. 270.90 272.00 Grey feldspar porphyry, 5-10% of 1mm quartz-calcite stringers, overall 3-10% dissiminated pyrite. 272.00 273.45 Grey feldspar porphyry, 1-5% quartz-calcite stringers, 2-5% dissiminated pyrite. 273.45 274.45 Grey feldspar porphyry, 2 up to 15% quartz-calcite stringers, 2-5% dissiminated pyrite and up to 10% stringers. 274.45 276.00 Grey feldspar porphyry, 2-10% quartz-calcite stringers, 2-5% dissiminated pyrite. 276.00 277.50 Grey feldspar porphyry, 2-10% quartz-calcite stringers, 1-2% late cross cutting quartz stringers, 2-5% dissiminated pyrite. 277.50 278.50 Grey feldspar porphyry, 5-10% quartz-calcite stringers, some K-feldspar alteration, 2-5% dissiminated pyrite. 278.50 279.80 Grey feldspar porphyry, 3-7% quartz-calcite stringers, 2-5% dissiminated prite. 279.80 280.50 Grey feldspar porphyry, silicified, 2-5% quartz-calcite stringers, 2-3% dissiminated pyrite. 280.50 282.00 Grey feldspar porphyry, 3-7% quartz-calcite stringers, 2-5% dissiminated pyrite. 282.00 283.55 Grey feldspar porphyry, silicified, 3-10% quartz-calcite stringers, 2-3% dissiminated pyrite. 283.50 285.00 Grey feldspar porphyry, silicified, 5-10% quartz-calcite stringers, 3-5% dissiminated pyrite. 285.00 286.65 Grey feldspar porphyry, 2-3% quartz-calcite stringers, 1-2% dissiminated pyrite. 286.65 288.00 Grey feldspar porphyry, 5-7% quartz-calcite stringers, 2-3% dissiminated pyrite. 288.00 289.45 Grey feldspar porphyry, silicified, 5-7% quartz-calcite stringers, 2-3% dissiminated pyrite. 289.50 290.65 Grey feldspar porphyry, silicified, 3-5% quartz-calcite stringers, 2-3% dissiminated pyrite. 290.70 292.20 Grey feldspar porphyry, silicified, 5-8% dissiminated pyrite, up to 15% in chlorite-rich stringers. 292.20 293.85 Grey feldspar porphyry, 15-35% silicified and K-altered zones, 3-5% dissiminated pyrite, up to 15% in chlorite-K feldspar stringers. 293.85 295.15 Grey feldspar porphyry, silicified, 10-15% K feldspar stringers, 5-15% chlorite stringers with 5-10% pyrite. 295.15 296.40 Grey feldspar porphyry, local silicification, 5-10% K feldspar and 3-5% chlorite stringers, 2-5% pyrite in stringers. 296.40 297.70 Grey feldspar porphyry, local silicification, 5-15% K fledspar stringers, 3-5% pyrite in stringers. 297.70 299.05 Grey feldspar porphyry, local silicification, 5-15% K feldspar stringers, 3-5% pyrite in stringers. 299.05 300.20 Grey feldspar porphyry, local silicification, 10-25% K feldspar stringers, 3-5% dissiminated pyrite & up to 15% pyrite in silicified zones, cut by late chlorite stringers.	823371 823372 823373 823374 823375 823376 823377 823378 823379 823380 823381	285.00 286.65 288.00 289.50 290.70 292.20 293.85 295.15 296.40 297.70 299.05	286.65 288.00 289.45 290.65 292.20 293.85 295.15 296.40 297.70 299.05 300.20	1.65 1.35 1.45 1.15 1.50 1.65 1.30 1.25 1.30 1.35 1.15	.150 1.500 .130 .070 .160 .670 1.700 .140 .110 .250 .520			
300.20	312.70		MASSIVE ULTRAMAFIC VOLCANIC Dark green to dark grey 80% ultramafic flows alternating with 20% dark green massive mafic volcanic. Upper flow contacts paler brown to beige. Flow thickness ranging from 0.2 to 0.7m. Flow tops broken at 60 drill core angle. Massive and homogeneous. Moderately soft. None to weakly magnetic. From 301.0 to 312.70 penetrative schistosity at 60 drill core angle. Overall 2-5% calcite stringers often stretched, folded or broken at ~ 50 drill core angle. Late calcite stringers also at 50 dca with a conjugate set at 20-25 dca. Beige to brown alteration, sericite+carbonate?, around late 1cm quartz stringers at 60 drill core angle. 300.20 301.75 Massive ultramafic volcanic, silicified along upper contact, 1% quartz stringers with 3-5% pyrite, 1-2% late calcite stringers. 312.00 313.10 Massive mafic volcanic over 0.7m with minor silicification intruded by 0.4 m pink feldspar porphyry, with 15% chlorite stringers and 1% dissiminated pyrite.	823382 823383	300.20 312.00	301.75 313.10	1.55 1.10	.000 .000			
312.70	313.10		GREY FELDSPAR PORPHYRY Medium grey to green along upper contact and dark pink to reddish along lower contact. Fine to medium-grained increasing toward the center. Hard. Non magnetic. 15-25% of 0.5-1mm white to grey feldspar phenocrysts in siliceous and fine-grained matrix. Locally rock look coarse-grained due to intense fracturing filled by chlorite stringers making 1-2cm blocks of pink matrix fragments. Overall 5-15% chlorite stringers at 60 and 90 drill core angle. Overall ~ 1% dissiminated very fine-grained pyrite. Upper contact broken at 65 drill core angle and lower contact at 60 dca.								

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
313.10	340.85		TALC-CHLORITE SCHIST Dark green olive to black. Coarse-grained due to large amounts of broken quartz-calcite stringer materials and serpentinized fragments in a medium-grained matrix. Soft and greasy. In general weakly magnetic but locally strongly magnetic due to magnetite. Strong foliation of chlorite bands and fragments at 55-60 drill core angle. Upper contact at 60 drill core angle. Penetrative schistosity 40 to 60 dca starting at ~25cm from the upper contact. Locally fragments and rock matrix stretched at 50-60 dca and +/- folded. Locally Fault zones with 1 to 10 cm gouge material at 329.95, 335.10, 335.75 and 343.15 at 20 to 30 drill core angle. Overall 1-2% late undeformed quartz and quartz-calcite stringers. Overall 0.5-2% of 0.1 to 1cm dissiminated cubic pyrite. 314.35 327.00 Talc chlorite schist highly deformed, brecciated and schistose at 314.35-317.50, 318.50-321.75, 325.5-327.00 and mylonitized between 317.70-318.50. 328.50 328.80 Mafic dyke or undeformed massive ultramafic fragment at 70-80 dca. Grey to green. Fine- to medium-grained. Soft. Magnetic. Upper and lower contacts broken at 70 to 80 drill core angle.								
340.85	363.40		MASSIVE ULTRAMAFIC VOLCANIC Massive ultramafic volcanic. Black to dark blue. Fine- to medium-grained. Soft. Magnetic locally due to magnetite crystals. Mostly massive flows and rarely with spinifex texture. Few green laths of albite? in rock matrix. Some deformed zones contain serpentine fibers with associated blue-green talc. Overall 10% quartz and quartz-calcite stringers often deformed, stretched volcanic fragments and schistosity at 45 drill core angle. Massive volcanic rocks alternate with more schistose volcanic section around fault zone and replaced by talc chlorite schist between 354.85 to 363.40. Several fault zones gouges at 355.10, 366.70, 366.95, 370.25, 373.45. Thickness ranges from 5-20cm to <2cm at 375.15 and 378.00. They are mostly cutting rocks at 50 to 60 drill core angle. 343.90 344.10 Volcanic brecccia cut by network of quartz-calcite stringers. Upper contact at 40 dca and lower contact broken at 50 drill core angle. 355.10-355.45 Blocky core. 356.15 356.45 Fault zone ?, blocky core, schistosity at 55 drill core angle.								
363.40	384.55		TALC-CHLORITE SCHIST Black to dark blue talc chlorite schist. Mostly fine grained but coarse grained when fragments-rich in brecciated zones. Weak to medium magnetism. Cut by fault zone gouges with thickness from thin 2-5cm to thick 10 to 45cm gouges cutting core mostly at 60 to 80 drill core angle, more rarely at 30 to 50 dca. Penetrative schistosity ranging from 30 to 40 drill core angle.								
384.55	386.25		GREY-GREEN CARBONATE Grey carbonate. Pale to medium grey. Medium to coarse grained. Moderately hard. Non magnetic excepted in silicified zone where more magnetic. Locally silicified, carbonatized and brecciated with up to 5% dissiminated pyrite. Overall 3-5% Quartz stringers at 80 drill core angle branching at 60 and 70 drill core angle. Locally flooding of quartz stringers between brecciated grey carbonate blocks. 384.55 386.25 Grey carbonate, silicified & brecciated in fault zone, 30% quartz stringers, 1-2% dissiminated pyrite.	847961	384.55	386.25	1.70	.140			
386.25	394.05		TALC-CHLORITE SCHIST Talc chlorite schist similar to above and cut by minor fault zone gouges. 386.25 386.50 Fault zone, gouge. Upper and lower contacts broken at 90 drill core angle. 387.00 387.30 Brecciated talc chlorite schist, fragments stretched at 50 to 65 drill core angle. 392.50 392.75 Fault zone, gouge. Upper contact at 70 dca and lower contact broken at 55 drill core angle.								
394.05	395.15		GREY-GREEN CARBONATE Grey carbonate. Dark to medium grey. Fine to medium grained. Moderately hard. Weakly magnetic. Locally carbonatized and silicified. Schistosity at 70 drill core angle. Few quartz-calcite stringers with 3-5% pyrite at ~60- 80 drill core angle. Overall 1 to 5% dissiminated pyrite, with 1-3mm cubic pyrite. 394.05 395.15 Grey carbonate, replacing carbonatized massive ultramafic, 15% quartz-calcite stringers, 1-2% dissiminated pyrite in some stringers.	847962	394.05	395.15	1.10	.100			
395.15	491.55		TALC-CHLORITE SCHIST Talc chlorite schist similar to above,intruded by small feldspar porphyry and mafic dykes. Schist cut by several minor fault zone gouge, crumbly core, of a few cm to 50 cm between 401.50 and 417.20 and 446.05 to 484.95 at 40 to 60 drill core angle. Stringers brecciated and stretched at 60 to 70 drill core angle close to the contact with the underlying greywacke. Schistosity from 40 to 60 drill core angle. Overall 1% dissiminated cubic pyrite reaching locally up to 10%.	847963 847964 847965 847966 847967	417.25 418.55 420.00 421.45 423.90	418.55 420.00 421.45 423.90 424.25	1.30 1.45 1.45 2.45 .35	1.470 3.345 .110 .430 .050			

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			Mafic and diabase dykes. Dyke thickness ranges from 5-20cm. Black to dark grey. Hard. Fine to coarse grained. Magnetic. ~3% pyrite along contacts. Upper contacts ranging from 50 to 55 dca and lower contacts from 55 to 70 drill core angle. Feldspar porphyry and quartz feldspar porphyry dykes are pale grey to dark grey. Fine- to medium-grained. Hard. Non magnetic. Upper contacts vary from 50 to 85 dca and lower contacts from 40 to 60 drill core angle. Overall 1 to 2% quartz and quartz calcite stringers. Overall 1 to 5% dissiminated pyrite. Quartz feldspar porphyry at 488.20 reach up to 20% pyrite along wall contacts and 10% fine-grained dissiminated pyrite in matrix. Feldspar porphyry dykes intruded at 421.25, 423.70. 435.70, 484.75, 486.95 and 488.20. Quartz feldspar porphyry dykes intruded at 430.10, 432.60 and 442.45.	847968	424.25	425.80	1.55	.040			
				847969	425.80	427.15	1.35	.070			
				847970	427.15	428.60	1.45	.150			
				847971	428.60	429.70	1.10	.050			
				847972	429.70	431.15	1.45	.210			
				847973	431.15	432.50	1.35	.060			
				847974	432.50	433.90	1.40	.070			
				847975	433.90	435.00	1.10	.210			
				847976	435.20	436.50	1.30	.050			
			417.65 418.15 Albitite dyke. White. Spotty pale green areas. Hard. Non magnetic. 1-3mm albite laths. 10-15% anhedral amphibole. Upper contact at 80 dca and 50 drill core angle. Overall 1% dissiminated pyrite.	847977	436.50	437.30	.80	.000			
				847978	437.30	438.60	1.30	.000			
				847979	438.60	440.00	1.40	.040			
				847980	440.00	441.30	1.30	.050			
				847981	441.30	442.70	1.40	.000			
				847982	442.70	444.00	1.30	.000			
				847983	444.00	445.30	1.30	.000			
			485.00 485.40 Caving. Core crumbly and missing.								
			417.25 418.55 Talc chlorite schist, cut by 0.5m albitite, locally silicified & carbonatized, 2-5% pyrite and up to 20% locally.								
			418.55 420.00 Talc chlorite schist, silicified, 20% volcanic fragments, 2-10% pyrite (cubic to lensoid).								
			420.00 421.45 Talc chlorite schist, 15% volcanic fragments, feldspar porphyry and diabase dykes, local silicification and carbonatization, 1-5% pyrite.								
			421.45 423.90 Talc chlorite schist, silicified, 15% volcanic fragments, overall 5% pyrite up to 15% locally.								
			423.90 424.25 Talc chlorite schist, 5% volcanic fragments & 25cm feldspar porphyry dyke, overall 5% dissiminated pyrite and locally up to 10% pyrite.								
			424.25 425.80 Talc chlorite schist, brecciated & stretched volcanic fragments, 2-5% dissiminated pyrite.								
			425.80 427.15 Talc chlorite schist, 20% volcanic & albitite fragments, 2% calcite stringers, 2-5% dissiminated pyrite up to 15% locally.								
			427.15 428.60 Talc chlorite schist, 20-25% volcanic & feldspar porphyry fragments, 5-15% dissiminated pyrite and up to 30% locally (rounded pyrite up to 5mm).								
			428.60 429.70 Talc chlorite schist, 30-40% volcanic & feldspar porphyry fragments, 5-10% dissiminated pyrite.								
			429.70 431.15 Talc chlorite schist, and 15 cm quartz feldspar porphyry dyke, silicification and carbonatization,5-10% dissiminated pyrite up to 30% locally.								
			431.15 432.50 Talc chlorite schist, 10% quartz feldspar porphyry and 20% volcanic fragments, 5-10% pyrite up to 30% pyrite locally.								
			432.50 433.90 Talc chlorite schist, 50% of quartz feldspar porphyry dyke, 2-3% pyrite in porphyry, 3-5% dissiminated pyrite and up to 15% locally.								
			433.90 435.00 Talc chlorite schist, 40% volcanic & feldspar porphyry fragments, 2-5% dissiminated pyrite.								
			435.20 436.50 Talc chlorite schist, 20% feldspar porphyry dyke, 2-3% dissiminated pyrite & 5% pyrite localized within the porphyry dyke.								
			436.50 437.30 Talc chlorite schist, 10% feldspar porphyr and 40% volcanic fragments, local silicification, 2-3% dissiminated pyrite.								
			437.30 438.60 Talc chlorite schist, 20% feldspar porphyry and 50% volcanic fragments, 5% calcite stringers, 2-3% dissiminated pyrite.								
			438.60 440.00 Talc chlorite schist, more than 35% cut by diabase dyke, silicified, 10% quartz-calcite stringers,3-5% dissiminated pyrite.								
			440.00 441.30 Talc chlorite schist, 15% cut by diabase dyke, 5-10% dissiminated pyrite up to 30% locally.								
			441.30 442.70 Talc chlorite schist, about 35% cut by diabase & porphyry dykes, 40% volcanic fragments, 10-15% dissiminated pyrite up to 30% locally, 3-5% pyrite in porphyry.								
			442.70 444.00 Talc chlorite schist, 30% volcanic fragments, 5-10% quartz-calcite fragments, 3-5% dissiminated pyrite and locally up to 20% pyrite.								
			444.00 445.30 Talc chlorite schist, more than 10% diabase dyke, brecciated volcanic fragments, 5% carbonate stringers, 2-3% dissiminated pyrite up to 10% locally.								
491.55	512.00		GREYWACKE Medium to dark grey greywacke,locally more greenish. Alternating with fine-grained black argillite. Greywacke is medium-grained but coarse grained with subangular fragments and/or pebbles. Both non magnetic. Locally chlorite-filled <1mm fractures regularly spaced and subparallel giving a blocky aspect. Greywacke vary from hard to very hard when cherty texture. Locally brecciated in 3-5cm fragments stretched at 60 drill core angle. Chlorite-filling fracture between fragments. Several 1cm quartz stringers at 60 drill core angle. Argillite is moderately hard. Massive beds. Non magnetic. From 501.50 argillite alternates with greywacke beds, reaching locally up to 50/50% argillite/greywacke toward at end of the core. Thickness of both alternating layers vary from 2-5cm Fragments of broken greywacke stretched at 60 drill core angle. Thin 0.5-1cm argillite layers toward the end of the core oriented at 90 drill core angle. 499.40 499.70 Brecciated cherty greywacke stretched at 60 drill core angle.										

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngth (m)	AU (g/t)	AU	AU (o/t)	AU
			509.45 510.30 Brecciated greywacke in fragments with sharp contacts, rarely subrounded with argillite matrix from synsedimentary breccia? or conglomerate with angular fragments of greywacke, chert and rare carbonate sediments. Foliation of stretched sediment fragments at 85 to 90 drill core angle.								
512.00			END OF HOLE CORE STORED ON STOCK MINE PROPERTY.								

2.20405

Intertek Testing Services
Chimitec Bondar Clegg

Certificat D'Analyse
Assay Lab Report

CLIENT: ST-ANDREWS GOLDFIELDS LTD
REPORT: T99-57104.0 (COMPLETE)
DATE RECEIVED: 05-MAR-99
PROJECT: NONE
DATE PRINTED: 8-MAR-99

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
823351		0.04
823352		<0.03
823353		0.05
823354		<0.03
823355		<0.03

42A10SW2020 2.20405 STOCK 020

ITS - Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

ITS Intertek Testing Services
Chimitec Bondar Clegg

Certificat D'Analyse
Assay Lab Report

CLIENT: ST-ANDREWS GOLDFIELDS LTD
PROJECT: NONE
REPORT: T99-57127.0 (COMPLETE)
DATE RECEIVED: 11-MAR-99
DATE PRINTED: 16-MAR-99

SAMPLE NUMBER	ELEMENT UNITS	Au G/T	Aupulp G/T	AuRew G/T
823356		0.06		
823357		<0.03		
823358		0.06		
823359		1.51		
823360		0.39		
823361		3.55	4.67	6.52
823362		0.15		
823263		0.34		
823364		0.27		
823365		0.34		
823366		0.19		
823367		0.10		
823368		0.10		
823369		0.14		
823370		0.08		
823371		0.15		
823372		3.12	0.67	0.70
823373		0.13		
823374		0.07		
823375		0.16		

ITS - Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

ITS Intertek Testing Services
Chimitec Bondar Clegg

Certificat D'Analyse
Assay Lab Report

CLIENT: ST-ANDREWS GOLDFIELDS LTD
PROJECT: NONE
REPORT: T99-57140.0 (COMPLETE)
DATE RECEIVED: 16-MAR-99
DATE PRINTED: 17-MAR-99

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
823376		0.67
823377		1.70
823378		0.14
823379		0.11
823380		0.25
823381		0.52
823382		<0.03
823383		<0.03
823384		<0.03
823385		<0.03
823386		<0.03
823387		<0.03
823388		<0.03
823389		<0.03
823390		<0.03
823391		<0.03
823392		<0.03
823393		<0.03
823394		0.09
823395		<0.03
823396		<0.03
823397		0.04
823398		<0.03
823399		<0.03
823400		0.07

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ITS Intertek Testing Services
Chimitec Bondar Clegg

Certificat D'Analyse
Assay Lab Report

CLIENT: ST-ANDREWS GOLDFIELDS LTD
REPORT: T99-57142.0 (COMPLETE)

DATE RECEIVED: 16-MAR-99

PROJECT: NONE
DATE PRINTED: 17-MAR-99

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
847951		<0.03
847952		0.19
847953		1.00
847954		<0.03
847955		<0.03
847956		<0.03
847957		<0.03
847958		<0.03
847959		<0.03
847960		0.21
847961		0.14
847962		0.10

ITS - Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

ITS Intertek Testing Services
Chimitec Bondar Clegg

Certificat D'Analyse
Assay Lab Report

CLIENT: ST-ANDREWS GOLDFIELDS LTD
PROJECT: NONE
REPORT: T99-57226.0 (COMPLETE)
DATE RECEIVED: 21-APR-99
DATE PRINTED: 23-APR-99

SAMPLE NUMBER	ELEMENT UNITS	Au G/T	Aupulp G/T
847963		1.47	
847964		3.62	3.07
847965		0.11	
847966		0.43	
847967		0.05	
847968		0.04	
847969		0.07	
847970		0.15	
847971		0.05	
847972		0.21	

ITS - Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

Intertek Testing Services
Chimitec Bondar Clegg

Certificat D'Analyse
Assay Lab Report

CLIENT: ST-ANDREWS GOLDFIELDS LTD
PROJECT: NONE
REPORT: T99-57229.0 (COMPLETE)
DATE RECEIVED: 23-APR-99
DATE PRINTED: 28-APR-99

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
847973		0.06
847974		0.07
847975		0.21
847976		0.05
847977		<0.03
847978		<0.03
847979		0.04
847980		0.05
847981		<0.03
847982		<0.03
847983		<0.03

ITS - Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)
W0060.00290
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this i nt work and correspond with the mining land holder. Questions about this colle Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Onta

Insti 42A10SW2020 2.20405 STOCK 900 g a claim, use form 0240.

- Please type or print in ink.

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

Name **St Andrew Goldfields Ltd.**	Client Number 196705
Address RR#2	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 R99-1 (REID LAKE)**	Office Use
	Commodity
	Total $ Value of Work Claimed $ 41,962
Dates Work Performed From 11 (Day) MARCH (Month) 1999 (Year) To 05 (Day) APRIL (Month) 1999 (Year)	NTS Reference
Global Positioning System Data (if available) — Township/Area **Stock**	Mining Division Porcupine
M or G-Plan Number **G-3248**	Resident Geologist District Timmins

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

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

Name 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

4. Certification by Recorded Holder or Agent

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

Signature of Recorded Holder or Agent: Kian A Jensen		Date June 13, 2000
Agent's Address RR#2, Matheson, Ontario P0K 1N0	Telephone Number 705-273-2525	Fax Number 705-273-3333

0241 (03/97)

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JUN 16 2000 9:05am
GEOSCIENCE ASSESSMENT OFFICE

RECEIVED
JUN 15 2000 11.10
PORCUPINE MINING DIVISION

* Amended Copy *

W0000.00040

5. Work to be recorded and distributed. ...ining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1	PARCEL 1658	108.45 ha	$ 41,962		$ 28,800	$ 13,162
2	1226656	1		$ 2,400		
3	1226657	1		$ 2,400		
4	1226658	1		$ 2,400		
5	1226659	1		$ 2,400		
6	1226660	1		$ 2,400		
7	1226661	1		$ 2,400		
8	1226662	1		$ 2,400		
9	1226663	1		$ 2,400		
10	1226664	1		$ 2,400		
11	1226665	1		$ 2,400		
12	1226666	1		$ 2,400		
13	1226667	1		$ 2,400		
14						
15						
	Column Totals		$ 41,962	$ 28,800	$ 28,800	$ 13,162

0000402

I, Kian A. Jensen (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Kian A Jensen — Date: June 13, 2000 — July 10/2000

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- [X] 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- [ ] 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- [ ] 3. Credits are to be cut back equally over all claims listed in this declaration; or
- [ ] 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

RECEIVED
JUL 10 2000
GEOSCIENCE ASSESSMENT OFFICE

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

2.20402

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)
W0060.00290

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

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond Drilling	1386.72 feet of the total 1679.76 feet	$ 22.74 / foot	$ 31,537.75
Geologist	6 Days of a total 7 Days	$ 185.00	1,110.00
Drafting/Supervision	2 Days	$ 300.00	600.00
Assays	83 Samples	$ 10.50	8,715.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
		Total Value of Assessment Work	$ 41,962.75

2.20405

Calculations of Filing Discounts:

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

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

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

Certification verifying costs:

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

0212 (03/97)

RECEIVED
JUN 15 2000
11.10
PORCUPINE MINING DIVISION

Signature: Kian Jensen. Date: June 13, 2000

RECEIVED
JUN 16 2000
9:05 am
GEOSCIENCE ASSESSMENT OFFICE

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

Telephone: (888) 415-9845
Fax: (877) 670-1555

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

August 11, 2000

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

Dear Sir or Madam:

Submission Number: 2.20405

Subject: Transaction Number(s):		**Status**
	W0060.00290	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 JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5880.

Yours sincerely,

Steven B. Beneteau

ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 15136
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.20405

Date Correspondence Sent: August 11, 2000 **Assessor:** JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00290	Parcel 1658	STOCK	Approval	August 11, 2000

Section:
16 Drilling PDRILL

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

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

Kian A. Jenson
MATHESON, ONTARIO, CANADA

ST. ANDREW GOLDFIELDS LTD.
TORONTO, Ontario

Correspondence ID: 15136

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

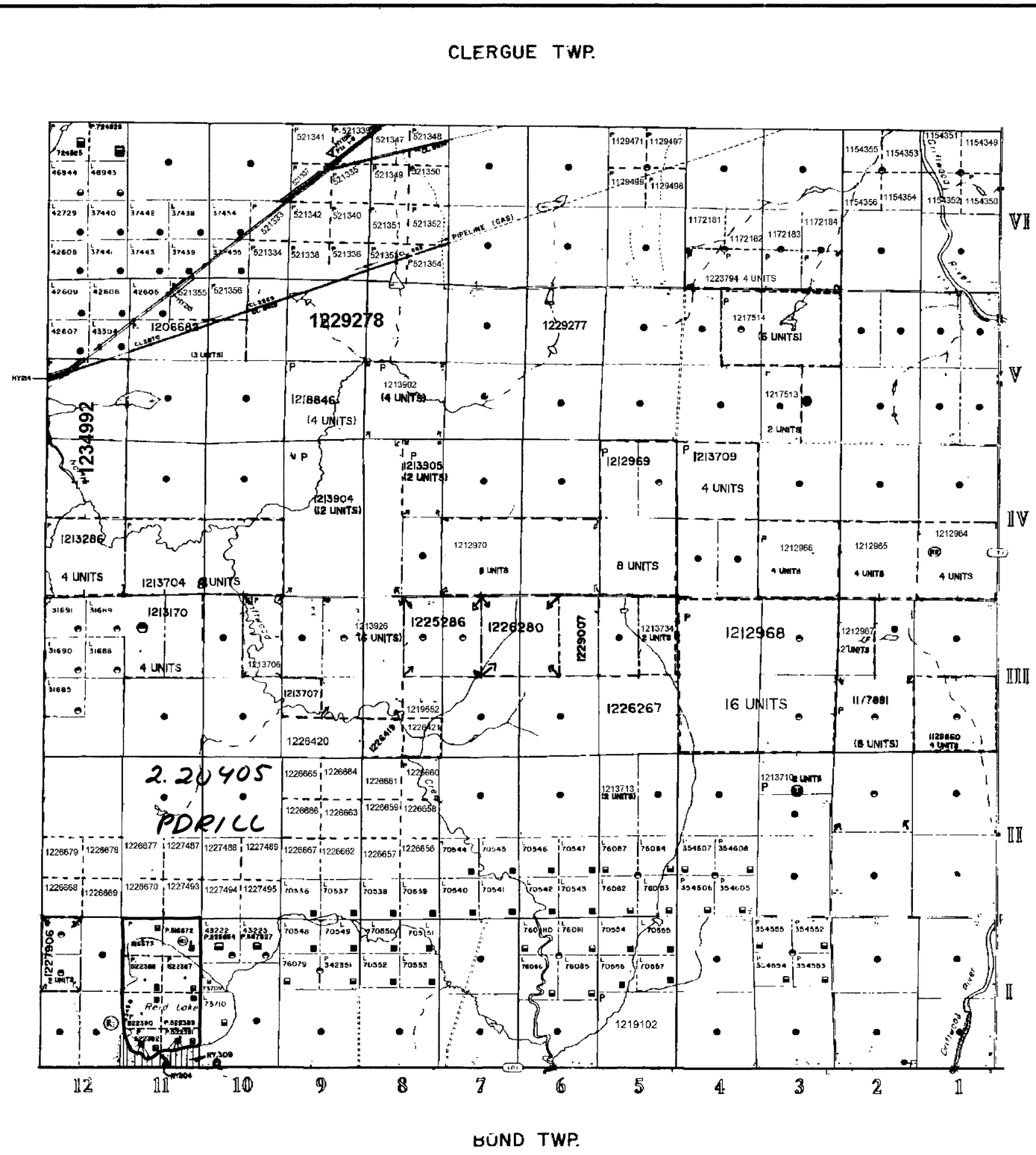
M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M.+ S. – MINING AND SURFACE RIGHTS

	Description	Order No.	Date	Disposition	File
R1	Reserve for correctional purposes under Sec 3 P.L.A.			S.R.O.	186641
R2	Application pending under P.L.A. for surface rights				
A	Sect. 1 W-25/83 July 15/83 M.R.O. reservation under 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



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◓
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	▣
" , MINING RIGHTS ONLY	▤
LICENCE OF OCCUPATION	⋎
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
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. 6, SUBSEC. 1

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 2000

TOWNSHIP

STOCK

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

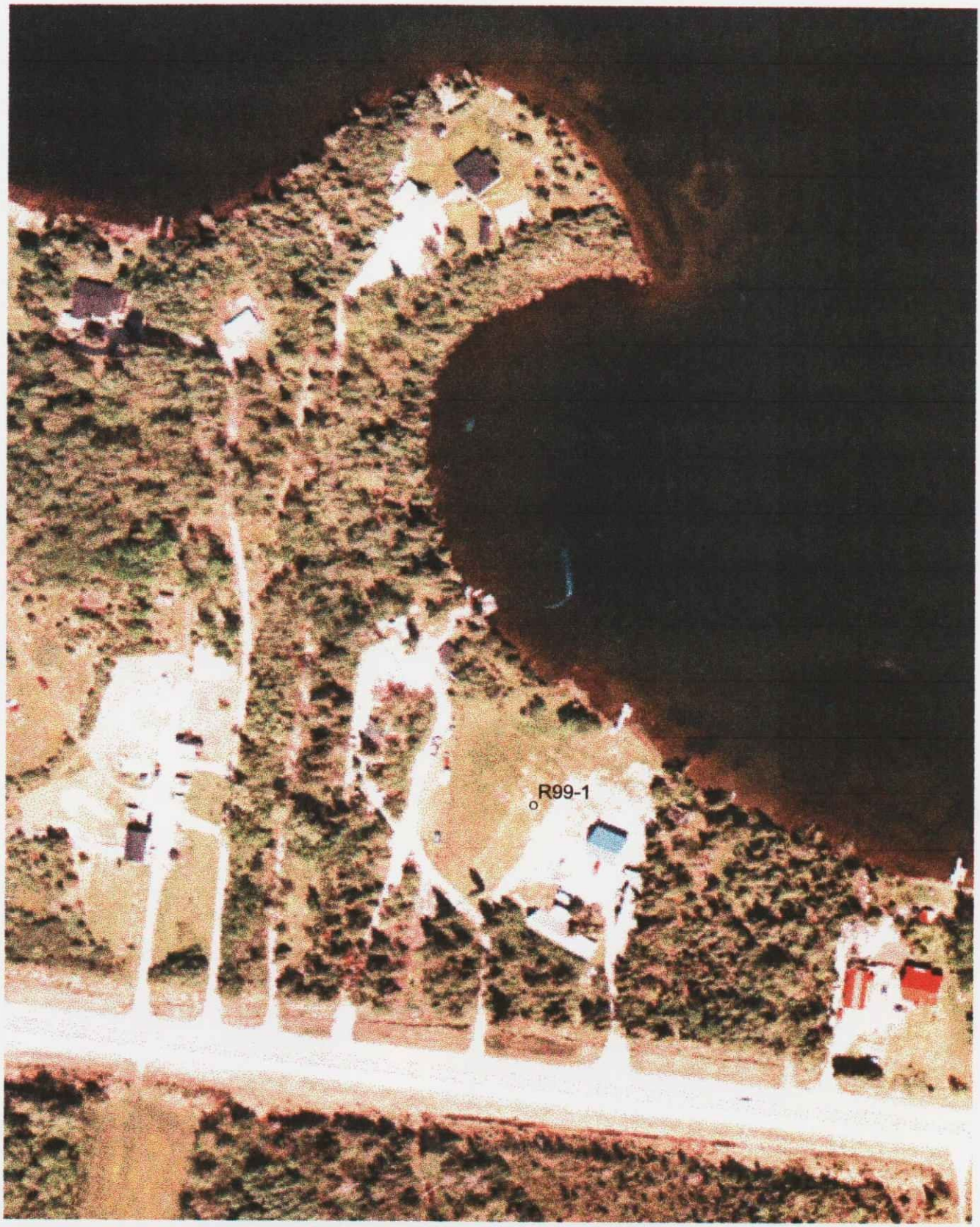
COCHRANE

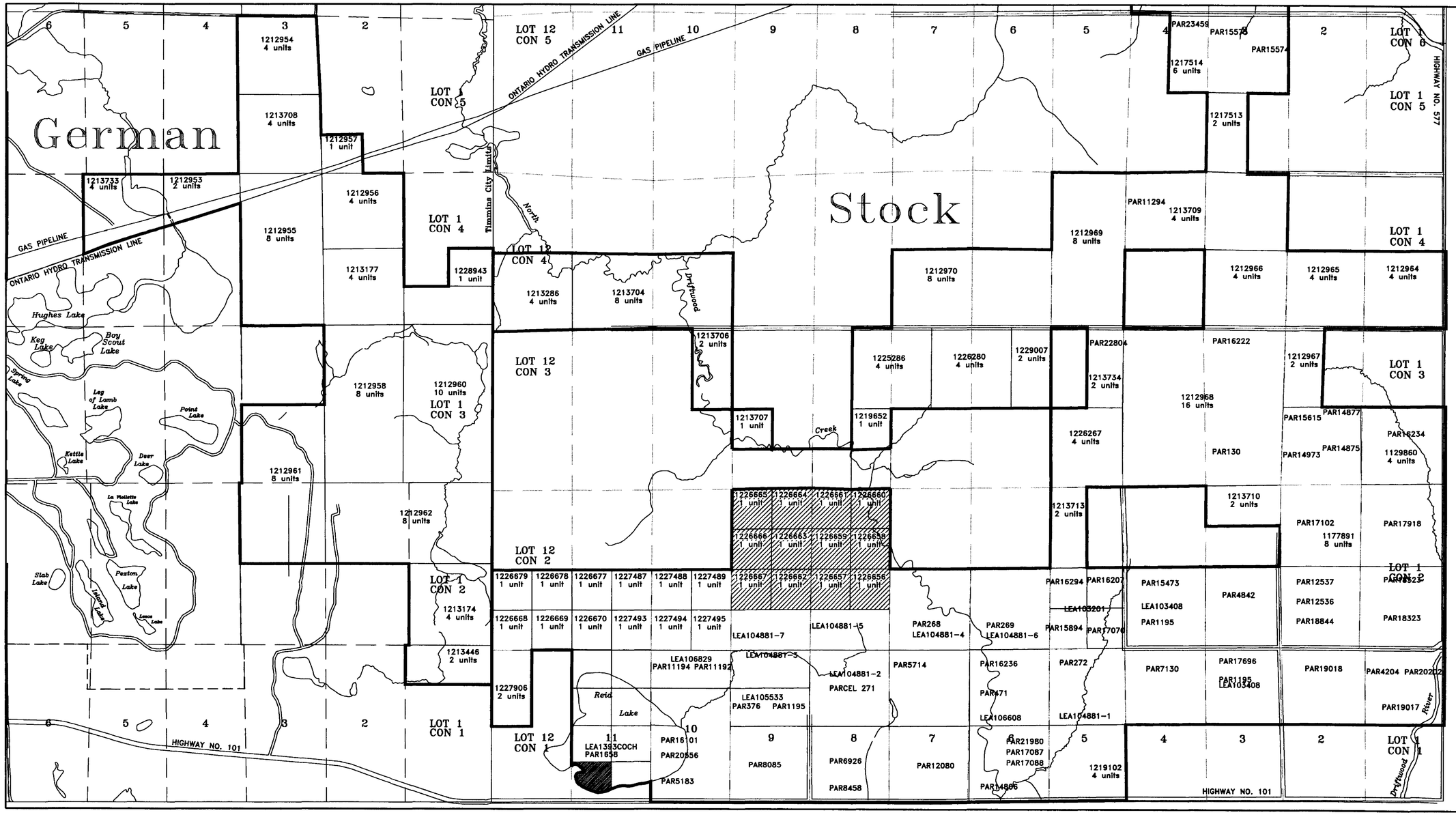
Ontario Ministry of Natural Resources — Land Management Branch

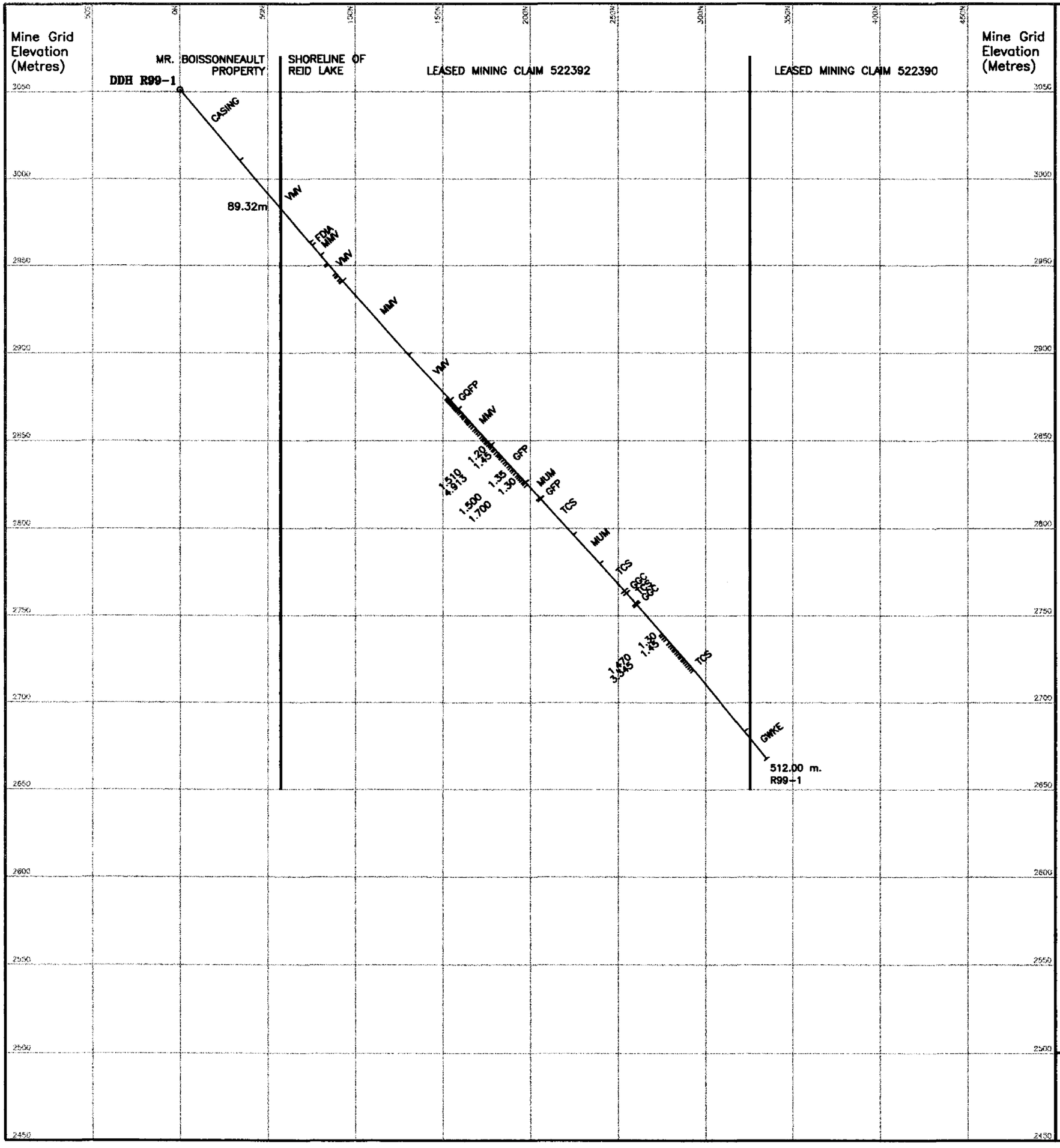
Date: MARCH, 1985

ACTIVATED APR. 25/80 D.C.

Number: G-3248







LEGEND

VOLCANICS

MMV	MASSIVE MAFIC VOLCANICS
PMV	PILLOWED MAFIC VOLCANICS
BMV	BLEACHED MAFIC VOLCANICS
VMV	VARIOLITIC MAFIC VOLCANICS
MUM	MASSIVE ULTRAMAFIC VOLCANICS
TP	TUFFACEOUS PYROCLASTIC
CMV	CARBONATED MAFIC VOLCANICS
CTP	CARBONATED TUFFACEOUS PYROCLASTIC

CARBONATES

GGC	GREY-GREEN CARBONATE
GNC	GREEN CARBONATE
GYC	GREY CARBONATE
GYBX	GREY CARBONATE BRECCIA
GYS	SILICIFIED GREY CARBONATE
GQBX	GREEN CARBONATE + QUARTZ BRECCIA
GFRM	GREEN CARBONATE FRAGMENTAL
AGC	APPLE GREEN CARBONATE
MCZ	MIXED CARBONATE ZONE

SCHIST

TCS	TALC-CHLORITE SCHIST
CTCS	CARBONATED TALC-CHLORITE SCHIST
STCS	SILICIFIED TALC-CHLORITE SCHIST

METASEDIMENTS

GWKE	GREYWACKE
AG	ARGILLITE-GREYWACKE
ARK	ARKOSE
CONG	CONGLOMERATE

INTRUSIVES

ALB	ALBITITE
PDIA	POIKILOBLASTIC DIABASE
FDIA	FINE-GRAINED DIABASE
CDIA	MEDIUM-COARSE-GRAINED DIABASE
MD	MAFIC DYKE
GAB	GABBRO
LAMP	LAMPROPHYRY
GFP	GREY FELDSPAR PORPHYRY
PFP	PINK FELDSPAR PORPHYRY
BFP	PALE BROWN FELDSPAR PORPHYRY
GNQP	PALE GREEN QUARTZ FELDSPAR PORPHYRY
PQFP	PINK QUARTZ FELDSPAR PORPHYRY
GQFP	GREY QUARTZ FELDSPAR PORPHYRY
BQFP	BUFF QUARTZ FELDSPAR PORPHYRY
ID	INTERMEDIATE DYKE
FEL	FELSIC DYKE

STRUCTURAL AND VEINING

FZ	FAULT ZONE
SZ	SHEAR ZONE
QV	QUARTZ VEIN

DRILL HOLE INFORMATION

EOH	END OF HOLE
CASP	CASING PULLED
CASL	CASING LEFT IN HOLE
CASU	CASING UNKNOWN

Assays: grams per tonne (g/t) / metre
Assays above 1.0 g/t are shown

Leased claims: Stock Township:
Source of assessment work:
S1/2, LOT 11, CON I
Leased Claim 1393 COCH, Parcel 1658

DDH R99-1 is located approx. 325.9 feet north and 318.6 feet east of the SW corner of Lot 11, Concession I, Stock Twp.

Collar at:
Metric Cut Grid: Line 38+11m W 0+14.8m N
Imperial Mine Section: 125+03.1 W at 0+48.6 N
Imperial Mine Co-ordinates:
284.8 North, -7153.3 East
DDH R99-1 Azi=012° Dip=-50°
Length: 512 M or 1679.8 FT

50 0 50 100
meters

ST ANDREW GOLDFIELDS LTD.

DDH R99-1 (Looking N 282 °E)

FILE NAME: SEC-REID99-1
DATE: JUNE 13, 2000

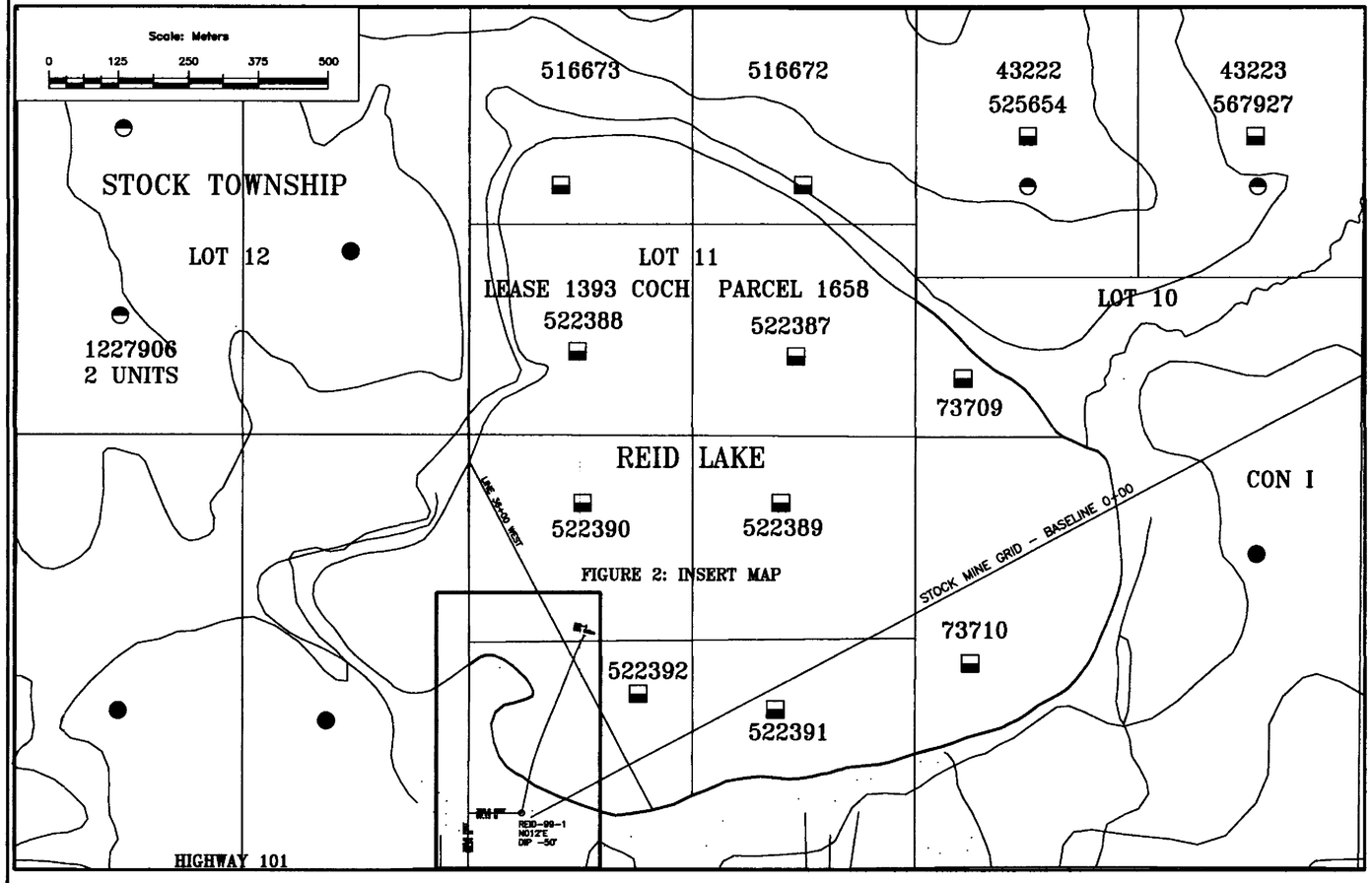


FIGURE 2: INSERT MAP

FIGURE 1: LOCATION MAP OF R99-1, LOT 11, CON I, STOCK TWP, PORCUPINE MINING DIVISION, ONTARIO

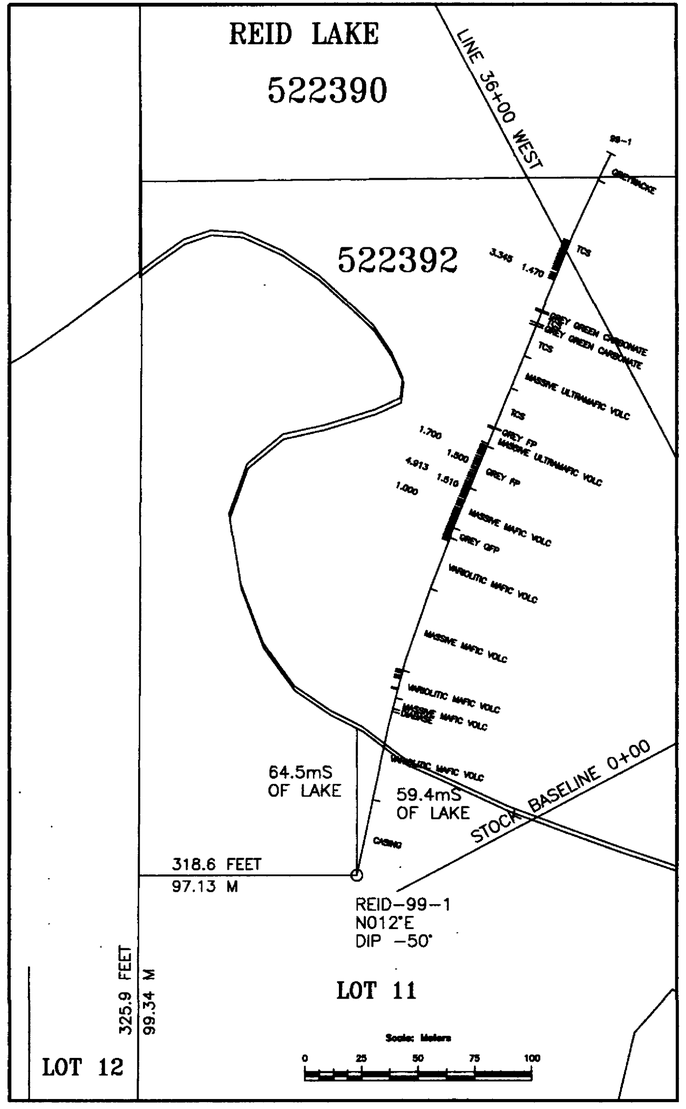


FIGURE 2: ENLARGEMENT OF LOCATION MAP OF DRILL HOLE R99-1

LEGEND

R99-1 — DDH: location & hole number

Mine buildings

Property boundary

Leased claims: Stock Township:
Source of assessment work:
S1/2, LOT 11, CON I
Leased Claim 1393 COCH, Parcel 1658

DDH R99-1 is located approx. 325.9 feet north and 318.6 feet east of the SW corner of Lot 11, Concession I, Stock Twp.

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Imperial Mine Section: 125+03.1 W at 0+48.6 N
Imperial Mine Co-ordinates:
284.8 North, -7153.3 East
DDH R99-1 Azi=012° Dip=-50°
Length: 512 M or 1679.8 FT

12°W

ST ANDREW GOLDFIELDS LTD.
Stock Mine
Plan View: DDH R99-1

FILE NAME: REID99-1-LOCATION
DATE: JUNE 13, 2000