



Date: 20 Apr, 1999

ST. ANDREW GOLDFIELDS LTD.  
DIAMOND DRILL RECORD

Page: 1 of 6

REF CORD: -945.00 1600.00 CLAIM NUM: L70555 TOWNSHIP: STOCK PROVINCE: ONTARIO HOLE NO: S98-10  
 LOCATION 1: 9+45S 16+00E 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: 653.0 m SECTION: 1600E LOGGED BY: G. Spyratos  
 DIP: -68.0 Deg. CORE SIZE: NQ SYSTEM OF MEASURE: METRIC DATE LOGGED: 12 - 17 FEB 98  
 STARTED: 6 FEB 98 COMPLETED: 16 FEB 98 NTS: 42A10 DRILLED BY: DOMINIK DIAMOND DRILLING LTD  
 PURPOSE: To test IP anomaly ASSAY TYPE: FA RIG: #58  
 COMMENTS: TEST METHOD: TROPARI PROJECT SUPERVISOR: K.A. Jensen

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DEPTH AZIMUTH DIP			DEPTH AZIMUTH DIP			DEPTH AZIMUTH DIP		
150.00	332.00	-68.0	300.00	332.00	-67.0	450.00	332.00	-65.0
195.00	332.00	-67.0	350.00	332.00	-67.0	500.00	332.00	-66.0
250.00	332.00	-67.0	400.00	332.00	-66.0	550.00	332.00	-66.0

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU
.00	49.50		CASING LEFT IN THE HOLE								
49.50	94.10		PILLOWED MAFIC VOLCANIC Medium green to pale grey-green. Very fine to fine-grained. Pillowed. Common 1-2mm and 3-5mm bleached varioles. Local quartz-carbonate filling interpillow spaces. Rare 0.5-1cm quartz-carbonate stringers. Minor local epidote alteration. Moderately hard to hard. Non-magnetic. Overall 1-2% very fine to fine-grained scattered pyrite. Locally up to 3% pyrite. 49.50 57.20 Blocky & crumbly core. 62.00 69.60 Blocky & crumbly core. 74.65 0.5cm quartz-calcite stringer @ 40 dca. 79.30 79.60 Pale greenish buff section. Bleached. Moderate sericite alteration. 7% very fine-grained disseminated pyrite. 80.00 1cm quartz-calcite stringer @ 35 dca. 93.35 93.57 Quartz-calcite vein. Common pink calcite. Local chlorite alteration. 5% very fine to fine-grained clustered pyrite. Upper contact @ 60 dca and lower contact @ 55 dca. 93.57 94.10 Altered dyke. Dark grey-green to pinkish grey. Fine-grained. Very weak hematite alteration. Chloritic. Massive. Locally magnetic. Trace sulphides. Lower contact (94.10), irregular @ approximately 60 dca.								
94.10	97.05		PALE GREEN QUARTZ FELDSPAR PORPHYRY Pale green and locally greenish buff alteration. Numerous 2-3mm buff feldspar phenocrysts. 2% quartz-carbonate fracture-filling. Feldspathized. Common mafic laths. Rare 5-7mm mafic clasts. Siliceous. Very hard. Non-magnetic. Overall minor to 1% very fine to fine-grained scattered pyrite. Lower contact (97.05), irregular @ approximately 55 dca.								
97.05	120.40		PILLOWED MAFIC VOLCANIC Similar to above. 97.05 97.35 Quartz-calcite vein. Common pink calcite and purplish quartz. Minor chlorite alteration. Locally vuggy. Trace sulphides. Lower contact @ 70 dca. 109.05 109.46 Altered dyke. Similar to 93.57m. Non-magnetic. 1% very fine-grained scattered pyrite. Upper contact @ 50 dca and lower contact @ 65 dca. 111.95 112.75 Altered dyke. Similar to 93.57m. Locally reddish brown. Moderate hematite alteration. Locally strongly magnetic. 3% very fine-grained scattered pyrite. Upper contact @ 15 dca and lower contact @ 45 dca. Lower contact (120.40), irregular @ approximately 55 dca.	84893	119.00	120.40	1.40	.000			
120.40	122.75		GREY FELDSPAR PORPHYRY Grey to grey-green and locally pink to pinkish grey alteration. Fine-grained matrix, with common	84894	120.40	121.40	1.00	.000			

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Date: 20 Apr, 1999

ST. ANDREW GOLDFIELDS LTD.  
DIAMOND DRILL RECORDHole No: S98-10  
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From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU
122.75	125.30		1-2mm white feldspar phenocrysts. Strongly feldspathized. Very weakly hematitized locally. 5% quartz-carbonate fracture-filling. Silicified. Very hard. Non-magnetic. Overall 1-2% fine to medium-grained subhedral to anhedral, scattered pyrite. Lower contact (122.75), faded @ approximately 40 dca.	84895	121.40	122.75	1.35	.000			
			GREY-GREEN CARBONATE								
			Dark grey-green and locally pale olive green. Fine-grained. Massive. 5% irregular quartz-carbonate fracture-filling. Minor local hematite fracture-filling. Pale olive green section is weakly to moderately sericitic. Local spinifex texture. Moderately chloritic locally. Moderately hard to hard. Non-magnetic. Overall minor to 1% very fine to fine-grained scattered pyrite.	84896	122.75	124.00	1.25	.000			
			124.25 4cm white and pink calcite stringer, with 20% grey-green carbonate fragments, @ 20 dca.	84897	124.00	125.30	1.30	.000			
			Lower contact (125.30), @ 55 dca.								
125.30	131.80		GREY QUARTZ FELDSPAR PORPHYRY								
			Grey to pale grey and occasional greenish buff to pinkish buff alteration. Fine-grained matrix, with numerous 2-5mm white feldspar phenocrysts. 5%, 0.5-1cm irregular quartz-carbonate stringers. Local 1-2mm mafic phenocrysts. Silicified. Very hard. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Locally up to 5% pyrite.	84898	125.30	126.50	1.20	.000			
			127.97 1.5cm quartz-calcite stringer @ 40 dca.	84899	126.50	128.00	1.50	.000			
			Lower contact (131.80), broken.	84900	128.00	129.50	1.50	.000			
				84901	129.50	130.50	1.00	.030			
				84902	130.50	131.80	1.30	.000			
131.80	162.75		GREY-GREEN CARBONATE								
			Dark grey-green to medium grey-green and locally olive green to pale olive green. Fine-grained. Massive. Local spinifex texture. Common chlorite fracture-filling. 5-10% irregular quartz-carbonate fracture-filling, (spiderweb texture). Weak to moderate sericite alteration locally. Chloritic. Moderately hard to moderately soft. Non-magnetic. Overall 1-2% fine to medium-grained subhedral to anhedral, scattered pyrite. Locally up to 3% pyrite.	84903	131.80	133.00	1.20	.000			
			146.35 1.5cm quartz-calcite-chlorite stringer @ 30 dca.	84904	133.00	134.50	1.50	.000			
			156.50 162.75 Unit gradually becomes pale grey-green and locally brownish grey, with local weak fuchsite alteration. Weak sericite alteration.	84905	134.50	136.00	1.50	.000			
			157.00 0.5cm quartz-calcite stringer @ 60 dca.	84906	136.00	137.50	1.50	.000			
			160.05 161.17 Orange quartz feldspar porphyry. Orange to pinkish orange. Aphanitic matrix, with occasional 1-2mm feldspar phenocrysts. Local chlorite fracture-filling. Locally brecciated. 10% irregular and locally brecciated, quartz-carbonate fracture-filling. Hydrofractured. Locally feldspathized. Silicified. Very hard. Non-magnetic. Overall 2-3% fine to medium-grained subhedral to anhedral, scattered pyrite. Upper contact irregular and rafted at low angle and lower contact rafted.	84907	137.50	139.00	1.50	.000			
			162.10 0.5cm quartz-calcite stringer @ 75 dca.	84908	154.50	156.00	1.50	.000			
			Lower contact (162.75), @ 60 dca.	84909	156.00	157.50	1.50	.000			
				84910	157.50	159.00	1.50	.000			
				84911	159.00	160.05	1.05	.030			
				84912	160.05	161.17	1.12	.310			
				84913	161.17	162.75	1.58	.000			
162.75	179.45		BUFF QUARTZ FELDSPAR PORPHYRY								
			White to greyish white and buff. Aphanitic matrix, with occasional 1-2mm white feldspar phenocrysts. Hydrofractured. Occasional chlorite fracture-filling. 5-10% quartz-carbonate fracture-filling. Silicified. Very hard. Non-magnetic. Overall 2-3% fine to medium-grained subhedral to anhedral, scattered pyrite. Locally up to 5% pyrite. Lower contact (179.45), irregular @ approximately 10 dca.	84914	162.75	164.00	1.25	.340			
				84915	164.00	165.50	1.50	.030			
				84916	165.50	167.00	1.50	.070			
				84917	167.00	168.50	1.50	.000			
				84918	168.50	170.00	1.50	.000			
				84919	170.00	171.50	1.50	.100			
				84920	171.50	173.00	1.50	.210			
				84921	173.00	174.50	1.50	.000			
				84922	174.50	176.00	1.50	.000			
				84923	176.00	177.50	1.50	.050			
				84924	177.50	178.50	1.00	.000			
				84925	178.50	179.45	.95	.000			
179.45	207.00		GREY-GREEN CARBONATE								
			Similar to above. Common spinifex texture.	84926	179.45	180.50	1.05	.000			
			179.45 183.25 Very weak local, fuchsite alteration. Weak sericite alteration.	84927	180.50	182.00	1.50	.070			
			180.87 1cm quartz-calcite stringer @ 70 dca.	84928	182.00	183.50	1.50	.000			
			184.85 1cm quartz-calcite stringer @ 40 dca.	84929	183.50	185.00	1.50	.000			
			185.90 186.65 Altered dyke. Pale purplish pink to pinkish grey. Numerous 2-3mm mafic laths (pyroxene?). Common chloritic relics. Local 2-3mm varicoles. Moderately hard to hard. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Locally up to 5% pyrite. Upper contact @ 55 dca and lower contact @ 55 dca.	84930	199.50	201.00	1.50	.000			
			190.07 190.33 Altered dyke. Similar to 185.90m. Upper contact @ 50 dca and lower contact @ 40 dca	84931	201.00	202.50	1.50	.000			
			192.80 193.20 50% quartz-carbonate stockwork.	84932	202.50	204.00	1.50	.000			
			199.95 1.5cm quartz-calcite-chlorite stringer @ 15 dca.	84933	204.00	205.50	1.50	.000			
				84934	205.50	207.00	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	
			202.50 207.00 Unit becomes gradually, moderately sericitic, with local weak fuchsite alteration. 5-10%, 0.5-1cm quartz-carbonate stringers, @ 50-60 dca. Lower contact (207.00), @ 75 dca.									
207.00	226.00		GREY QUARTZ FELDSPAR PORPHYRY Grey to greyish buff and purplish grey. Fine-grained matrix, with numerous 2-5mm, greenish buff feldspar phenocrysts. Locally hydrofractured and brecciated. Locally feldspathized. Weak sericite alteration locally. Common chlorite fracture-filling. 5% irregular quartz-carbonate fracture-filling. Silicified. Very hard. Non-magnetic. Overall 4-5% very fine to fine-grained scattered pyrite. Locally up to 7% pyrite. 211.90 0.5cm quartz-calcite stringer @ 65 dca. 213.00 213.45 Irregular bleached mafic volcanic inclusion. Greenish buff and locally dark grey. Very fine to fine-grained. Carbonatized. Local fuchsitic spots. Fractured. Occasional 1mm varioles. 5% quartz-carbonate fracture-filling. Moderately hard to hard. Non-magnetic. Overall 10% very fine-grained disseminated pyrite. Upper contact irregular @ approximately 15 dca and lower contact irregular @ approximately 30 dca. 213.77 214.65 Bleached mafic volcanic inclusion. Similar to above. Local 2-3mm amygdules. 5% very fine-grained disseminated pyrite. Upper contact irregular @ approximately 70 dca and lower contact @ 15 dca. Lower contact (226.00), @ 30 dca.	84935 207.00 208.50 1.50 .340 84936 208.50 210.00 1.50 .510 84937 210.00 211.50 1.50 .000 84938 211.50 213.00 1.50 .070 84939 213.00 214.50 1.50 .210 84940 214.50 216.00 1.50 .210 84941 216.00 217.50 1.50 2.915 84942 217.50 219.00 1.50 .170 84943 219.00 220.50 1.50 .720 84944 220.50 222.00 1.50 .210 84945 222.00 223.50 1.50 .210 84946 223.50 225.00 1.50 .990 84947 225.00 226.00 1.00 .690								
226.00	257.40		GREY-GREEN CARBONATE Pale grey-green to medium grey-green. Fine-grained. Mostly massive. Locally brecciated. Local spinifex texture. 15-20% and locally up to 30%, irregular quartz-carbonate stockwork. Chloritic. Moderately hard to hard. Non-magnetic. Overall 1-2% very fine to fine-grained scattered pyrite. Locally up to 3% pyrite. 226.00 228.38 Massive unit. Weakly fuchsitic and sericitic. Almost apple green carbonate. Lower contact @ 60 dca. 228.38 230.00 GREY QUARTZ FELDSPAR PORPHYRY. Similar to 207.00m. Lower contact @ 55 dca. 229.80 230.00 Breccia zone. Quartz-carbonate healed breccia, with bleached quartz feldspar porphyry and felsic fragments and occasional mafic fragments. 230.10 2.5cm quartz-calcite stringer @ 40 dca. 231.15 232.20 GREEN CARBONATE FRAGMENTAL. Emerald green to apple green. Fine-grained. Fragmental, with 10% bleached mafic and felsic fragments. 40% brecciated quartz-carbonate stockwork. Moderately fuchsitic. Weakly sericitic locally. Moderately hard to hard. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Locally up to 5% pyrite. Both contacts gradual. 234.25 2cm quartz-calcite stringer @ 35 dca. 237.50 254.00 Unit becomes increasingly chloritic. Locally moderately soft to soft, talc chlorite schist (?), but mostly moderately hard to moderately soft. Dark grey-green to black grey-green. Local spinifex texture. 254.00 257.40 Grey-green carbonate. Similar to 131.80m. Lower contact (257.40), @ 20 dca.	84948 226.00 227.00 1.00 .100 84949 227.00 228.38 1.38 .000 84950 228.38 229.20 .82 .380 84951 229.20 230.00 .80 .210 84952 230.00 231.15 1.15 .310 84953 231.15 232.20 1.05 1.065 84954 232.20 233.50 1.30 .070 84955 233.50 235.00 1.50 .000 84956 235.00 236.50 1.50 .000 84957 236.50 237.50 1.00 .000 84958 237.50 239.00 1.50 .000 84959 239.00 240.50 1.50 .000 84960 254.50 256.00 1.50 .000 84961 256.00 257.40 1.40 .000								
257.40	269.70		GREY QUARTZ FELDSPAR PORPHYRY Similar to 207.00m. Moderately feldspathized and sericitic. 259.12 260.37 Weakly fuchsitic and moderately sericitic, grey-green carbonate. Upper contact irregular and lower contact irregular @ approximately 20 dca. 267.83 267.95 Weakly fuchsitic grey-green carbonate. Both contacts @ 45 dca. 267.95 269.70 Bleached mafic volcanic. Greenish buff to pale green. Very fine to fine-grained. Local 1-2mm chloritic spots. Occasional 2-3mm varioles. Moderate sericite alteration locally. Locally crackled. 3% thin quartz-carbonate stringers. Moderately hard to hard. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. 269.53 269.70 Irregular breccia zone. Quartz-carbonate and chlorite healed breccia, with common quartz feldspar porphyry and mafic fragments. Upper contact irregular @ low angle. Lower contact (269.70), @ 45 dca.	84962 257.40 258.50 1.10 .000 84963 258.50 259.40 .90 .000 84964 259.40 260.37 .97 .000 84965 260.37 261.50 1.13 .000 84966 261.50 263.00 1.50 .210 84967 263.00 264.50 1.50 .000 84968 264.50 266.00 1.50 .070 84969 266.00 267.00 1.00 .070 84970 267.00 267.95 .95 .240 84971 267.95 268.80 .85 .340 84972 268.80 269.70 .90 .030								
269.70	278.80		BUFF QUARTZ FELDSPAR PORPHYRY Pinkish buff to greenish buff. Aphanitic matrix, with common 2-3mm white feldspar phenocrysts. Locally hydrofractured. 5% quartz-carbonate fracture-filling. Locally strongly feldspathized. Minor local sericite alteration. Silicified. Very hard. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Locally up to 5% pyrite. 270.22 1.5cm quartz-calcite stringer @ 20 dca. 276.78 277.26 MAFIC DYKE. Medium green to dark green. Fine-grained. Massive. Local 1mm chlorite phenocrysts. Moderately hard to hard. Non-magnetic. Overall minor pyrite. Upper contact @ 55 dca and lower contact @ 45 dca.	84973 269.70 271.00 1.30 .170 84974 271.00 272.50 1.50 .550 84975 272.50 274.00 1.50 .070 84976 274.00 275.50 1.50 .000 84977 275.50 276.78 1.28 .100 84978 276.78 277.80 1.02 .000 84979 277.80 278.80 1.00 .000								





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ST. ANDREW GOLDFIELDS LTD.  
DIAMOND DRILL RECORDHole No: S98-10  
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From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Length (m)	AU (g/t)	AU	AU (o/t)	AU
516.55	516.75	∧ × ×	FAULT ZONE Gouge. Lower contact (516.75), @ 55 dca.								
516.75	521.27	▨	CARBONATIZED TALC-CHLORITE SCHIST Similar to above. 517.73 2cm FAULT GOUGE @ 55 dca. Lower contact (521.27), @ 40 dca.								
521.27	521.57	∧ × ×	FAULT ZONE Gouge. Lower contact (521.57), @ 65 dca.								
521.57	531.27	▨	CARBONATIZED TALC-CHLORITE SCHIST Similar to above. Lower contact (531.27), @ 35 dca.								
531.27	531.48	∧ × ×	FAULT ZONE Crumbly and gougy core. Lower contact (531.48), @ 40 dca.								
531.48	555.80	▨	CARBONATIZED TALC-CHLORITE SCHIST Similar to above. 554.00 554.60 MAFIC DYKE. Grey to purplish grey. Fine-grained. Carbonatized. Chloritic. 20% white and pink calcite fracture-filling. Moderately hard to moderately soft. Magnetic. 4-5% fine to medium-grained subhedral to anhedral, scattered pyrite. Upper contact irregular and lower contact defined by 2cm FAULT GOUGE, @ 50 dca. Lower contact (555.80), @ 30 dca.								
555.80	577.00	∧ × ×	FAULT ZONE Intermittent gouges and crumbly core. Lower contact (577.00), @ 30 dca.								
577.00	609.00	▨	CARBONATIZED TALC-CHLORITE SCHIST Similar to above. 593.20 5cm FAULT GOUGE @ 60 dca. 607.76 4cm irregular very fine-grained DIABASE dykelet, @ approximately 30 dca. 608.05 608.63 Quartz flooding. Lower contact (609.00), @ 55 dca.								
609.00	616.65	▨	POIKILOBLASTIC DIABASE Dark grey to dark purplish grey. Very fine-grained. Chilled. Massive, with occasional 0.5-1cm plagioclase poikiloblasts. Rare quartz-carbonate fracture-filling, with chilled contacts. Very hard. Magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Lower contact (616.65), chilled @ 20 dca.								
616.65	653.00	▨	ARGILLITE-GREYWACKE Grey to dark grey and locally pale grey. Fine-grained. 15-20% ARGILLITE beds, @ 30-50 dca, but common contorted bedding. Rare, weak sericite alteration. Rare quartz-carbonate fracture-filling. Moderately hard to hard. Non-magnetic. Overall 2-3% very fine to fine-grained scattered pyrite. Locally up to 5% pyrite. 616.65 619.50 Unit chilled by adjacent DIABASE dyke. 643.00 653.00 Intermittent conglomerate sections, with 0.5-3cm, rounded to subrounded, sedimentary clasts.	88019	626.00	627.50	1.50	.000			
				88020	627.50	629.00	1.50	.000			
				88021	629.00	630.50	1.50	.000			
				88022	630.50	632.00	1.50	.000			
				88023	632.00	633.50	1.50	.000			
				88024	633.50	635.00	1.50	.000			
				88025	635.00	636.50	1.50	.000			
				88026	636.50	638.00	1.50	.000			
653.00		▨	END OF HOLE CORE STORED ON STOCK MINE PROPERTY.								



# Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)
W9960.00177
Assessment Files Research Imaging



42A10SE2009 2.19469 STOCK 900

Subsection 65(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, Ontario N2P 2L6.

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

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

Name <b>St Andrew Goldfields Ltd.</b>	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

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### 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 S98-10	Office Use
	Commodity
	Total \$ Value of Work Claimed \$42,818
Dates Work Performed From 06 02 98 To 17 02 98	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>Porcupine</i>
Township/Area <b>Stock</b>	Resident Geologist District <i>Timmins</i>
M or G-Plan Number <b>G-3248</b>	

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, 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 A. Jensen</i>	Date <i>April 20/99</i>
Agent's Address	Telephone Number 705-273-2525
	Fax Number 705-273-3333

5. **Work to be recorded and distributed.** Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W9966 00177.

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
<i>0032</i> <i>0032</i> N1/2 L5 C1 Lease#104881-1	160	\$ 24,786.43			\$ 24, 786.43
S 1/2 L5 C 2 Lease# 103201	160	18,032.21			18,032.21
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
<b>Column Totals</b>		<b>\$ 42,818.64</b>			<b>\$ 42,818.64</b>

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I, Kian A. Jensen, 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: April 20/99

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:

- 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):

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.

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2:40 PM  
C  
OR  
PORCUPINE MINING DIVISION

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





Statement of Costs for Assessment Credit

Transaction Number (office use)

109960 00177

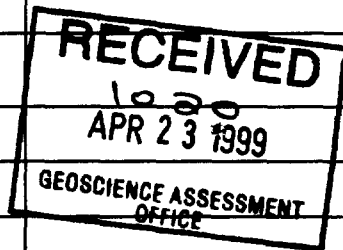
Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land 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	653 M	\$ 62.00	\$ 40,487.64
Geologist	3 Days	\$ 200.00	600.00
Corecutting	3 Days	\$ 108.00	324.00
Assays	134 Samples	\$ 10.50	1,407.00

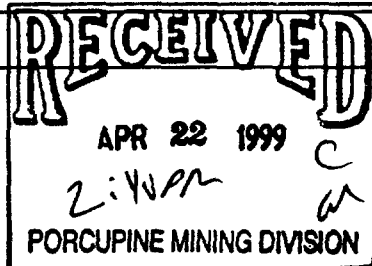
Associated Costs (e.g. supplies, mobilization and demobilization).

2.19469

Transportation Costs



Food and Lodging Costs



Total Value of Assessment Work \$ 42,818.64

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, 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 I am authorized to make this certification.

Signature: Kian Jensen Date: April 20/99

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](http://www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm)

Dear Sir or Madam:

**Submission Number:** 2.19469

**Status**

**Subject: Transaction Number(s):** W9960.00177 Deemed Approval

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

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

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

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at [lucille.jerome@ndm.gov.on.ca](mailto:lucille.jerome@ndm.gov.on.ca) or by telephone at (705) 670-5858.

Yours sincerely,



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

# Work Report Assessment Results

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**Submission Number:** 2.19469

**Date Correspondence Sent:** May 31, 1999

**Assessor:** Lucille Jerome

**General Comment:**

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<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9960.00177	104881-1	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

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REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

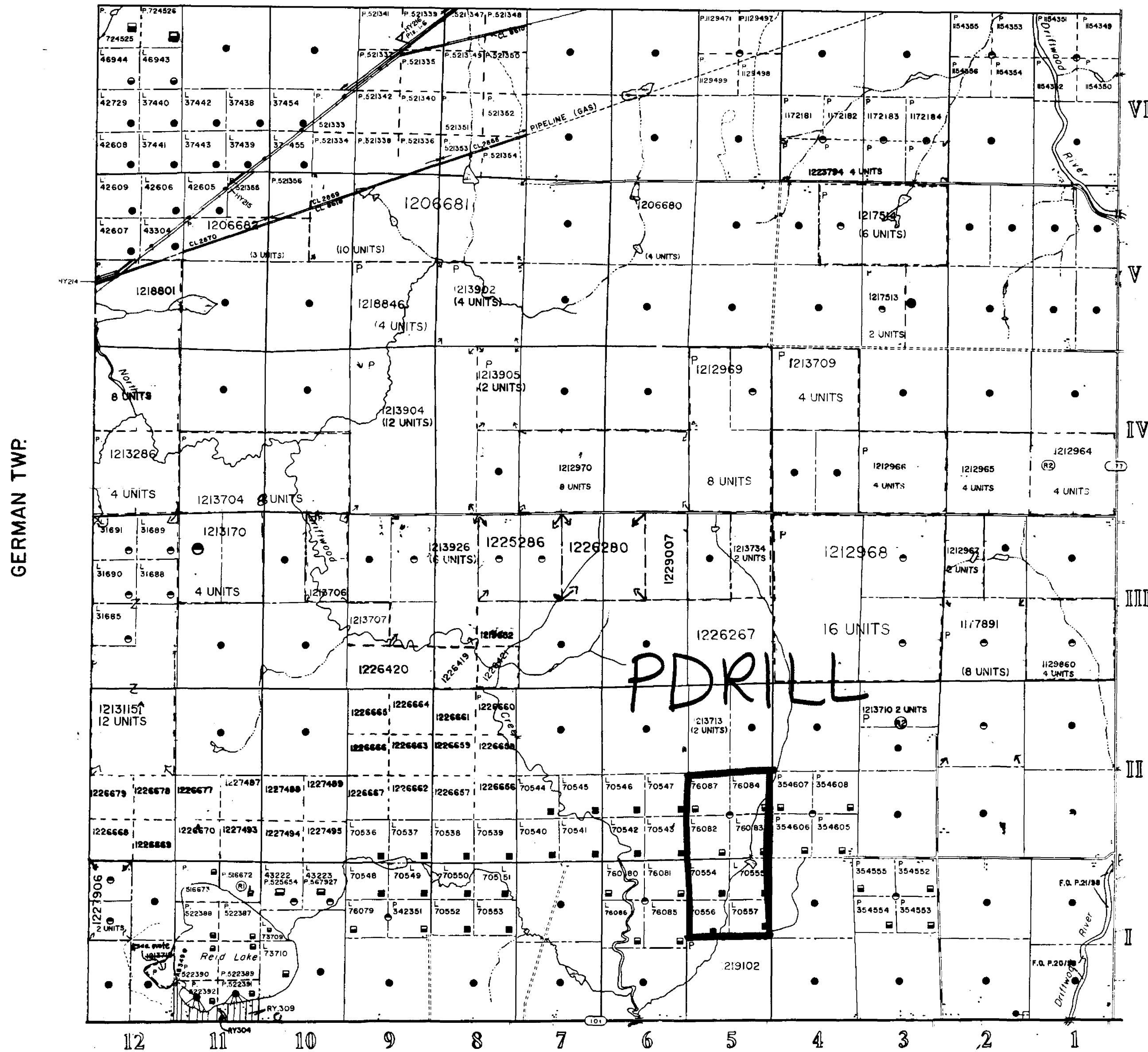
- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R1) Reserve for recreational purposes under Sec 3 P.L.A.			S.R.O.	108543
(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.



BOND TWP.

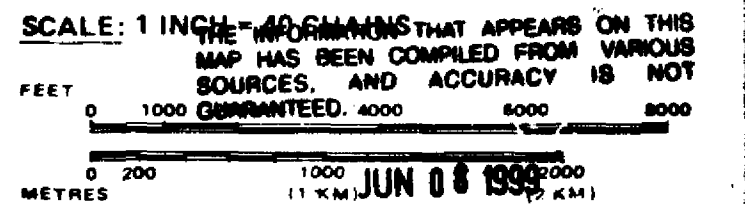
LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	◑
LICENCE OF OCCUPATION	▽
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊗

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 280, SEC. 63, SUBSEC. 1.



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.

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



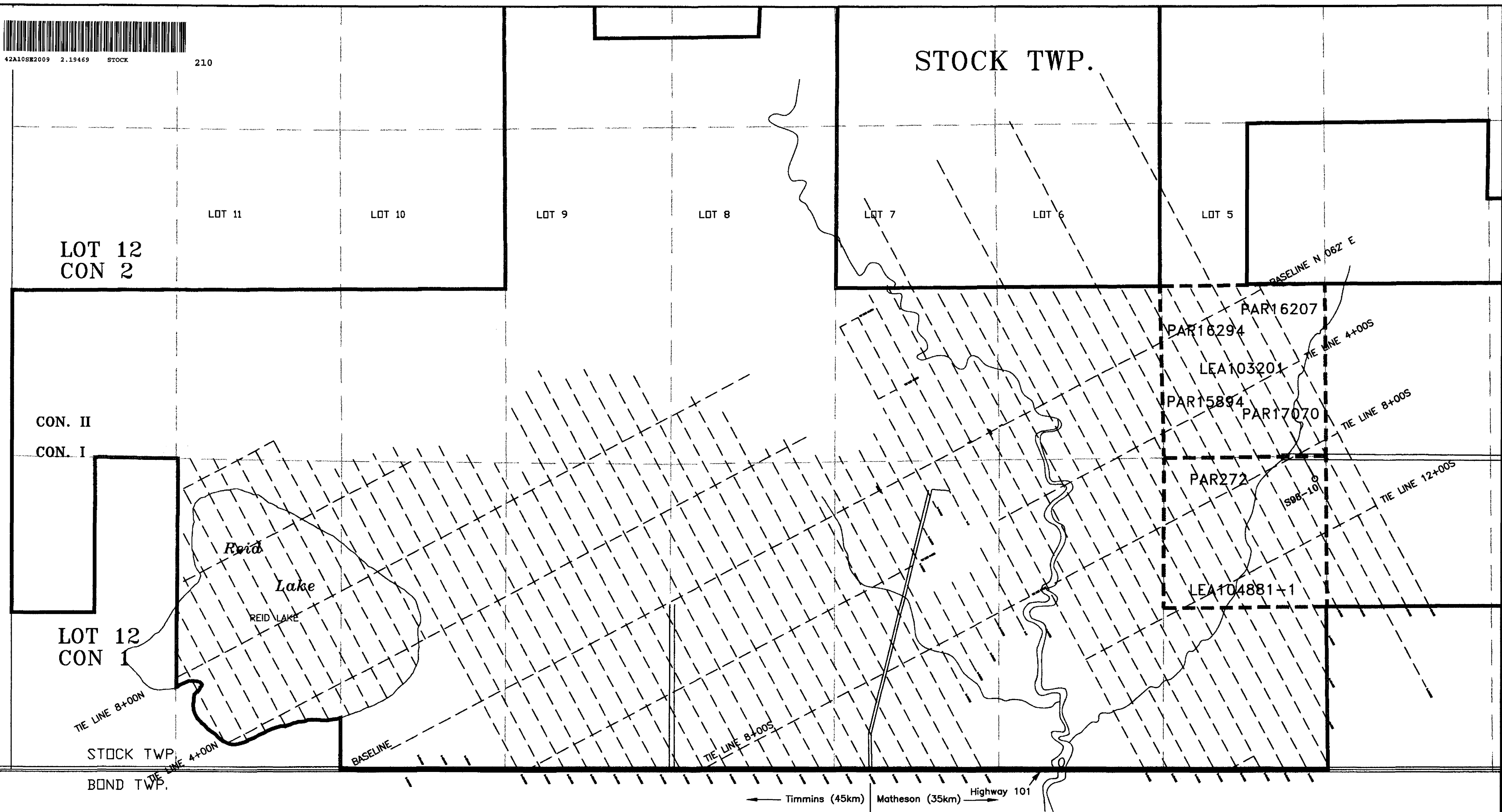
Date MARCH, 1985  
 Number  
**G-3248**

ACTIVATED APR. 25/90 D.C.





# STOCK TWP.



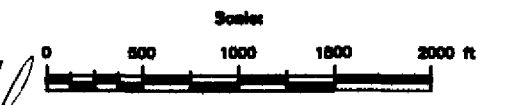
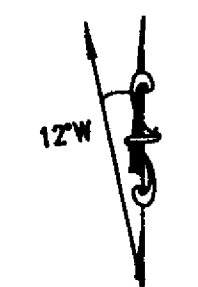
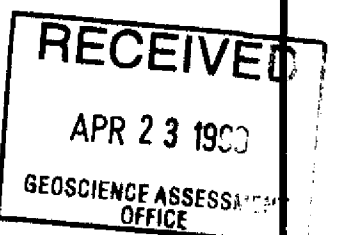
## LEGEND

- DDH: location & hole number
- Mine buildings
- Property boundary
- Leased claims: Stock Township:  
Source of assessment work:  
N1/2, LOT 5, CON I  
Leased Claim L-70555, Parcel 272  
Lease Number 104881-1
- S1/2, LOT 5, CON II  
Leased Claim L-76083, Parcel 17070  
Lease Number 103201

DDH S98-10 is located approx. 364.5 feet south and 176.5 feet west of the NE corner of the N1/2 of Lot 5, Concession I

Collar at Line 16+00 East 9+45 South  
DDH S98-10 Azl=332° Dip=-68°

2-19-99

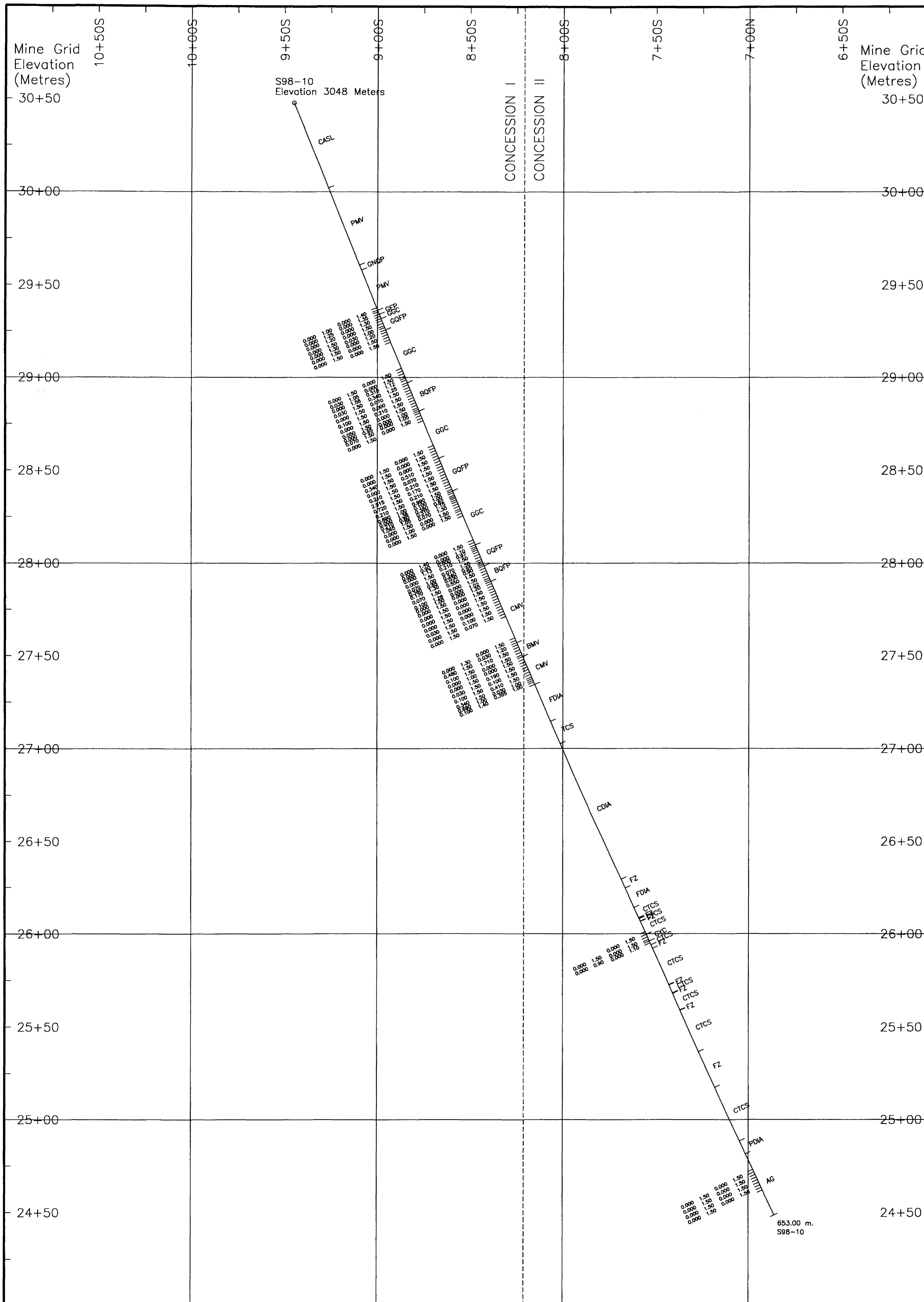


← Timmins (45km) Matheson (35km) Highway 101 →

*[Handwritten signature]*

Stock Mine  
Plan View: DDHs S99-10

FILE NAME: STK-Plan-S99-10.dwg DATE: April 16, 1999



## 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 LAMPORPHYRY
  - 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

Leased claims: Stock Township:  
Source of assessment work:  
N1/2, LOT 5, CON I  
Leased Claim L-70555, Parcel 272  
Lease Number 104881-1

S1/2, LOT 5, CON II  
Leased Claim L-76083, Parcel 17070  
Lease Number 103201

DDH S98-10 is located approx. 364.5 feet south and 176.5 feet west of the NE corner of the N1/2 of Lot 5, Concession I

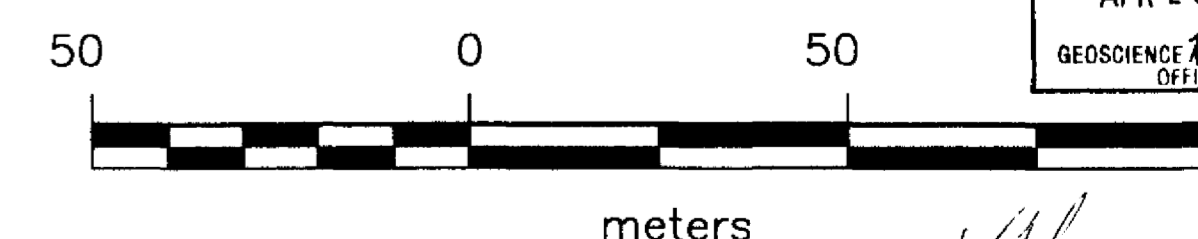
Collar at Line 16+00 East 9+45 South  
DDH S98-10 Azi=332° Dip=-68°

Hole Collar in North 1/2, Lot 5, Concession I  
with 378.0 metres with Lot  
E.O.H. is in South 1/2, Lot 5, Concession II  
with 275 metres within Lot

RECEIVED

APR 23 1999

GEOSCIENCE BRITISH COLUMBIA  
ASSESSMENT  
OFFICE



DDH S98-10 (Looking N 242 °E)

FILE NAME: S98-10.dwg

DATE: April 16, 1999

