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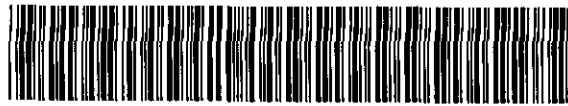
***Tyrnax Gold Inc. and
Mill City Gold Mining Corporation***

**Diamond Drilling
Tyrnite Main Zone
& Duggan Zone**

**Knight & Tyrrell Townships
District of Timiskaming
NE. Ontario, NTS 41-P-11**

January to March 1997

RECEIVED
SEP 17 1998
GEOSCIENCE ASSESSMENT
OFFICE



Contents

- (1) Location Map Tyranite Property, Knight & Tyrrell Townships
- (2) Surface Diamond Drill Plan Tyranite Mine Area, Scale: 1:2400..... in pocket
- (3) Surface Diamond Drill Plan Duggan Zone; Scale 1:480..... in pocket

Sections: Duggan Zone

- (5) 10+80N DH 97-223..... in pocket
- (6) 11+30N DH 97-224..... in pocket
- (7) 14+45N DH 97-225..... in pocket
- (8) 15+50N DH 97-226..... in pocket

Sections: Main Zone

- (9) 8+00S DH 97-96..... in pocket
- (10) 1+00S DH 97-95..... in pocket
- (11) 2+00N DH 97-91..... in pocket
- (12) 4+00N DH 97-90..... in pocket
- (13) 7+00W DH 97-94..... in pocket
- (14) 7+50W DH 97-92; 97-94..... in pocket
- (15) 12+50W DH 97-93; in pocket

Supplemental Sections Main Zone

- (16) 5+00N DH H-96-85..... in pocket
- (17) 6+00N DH H-95-84; H-96-86; in pocket
- (18) 7+00N DH H-96-88, H-96-89..... in pocket
- (19) 8+00N DH H-95-83..... in pocket
- (20) 10+00N DH H-95-82..... in pocket

Diamond Drill Hole Logs: Main Zone

- 97-90 97-94
- 97-91 97-95
- 97-92 97-96
- 97-93

Drill Hole Logs: Duggan Zone

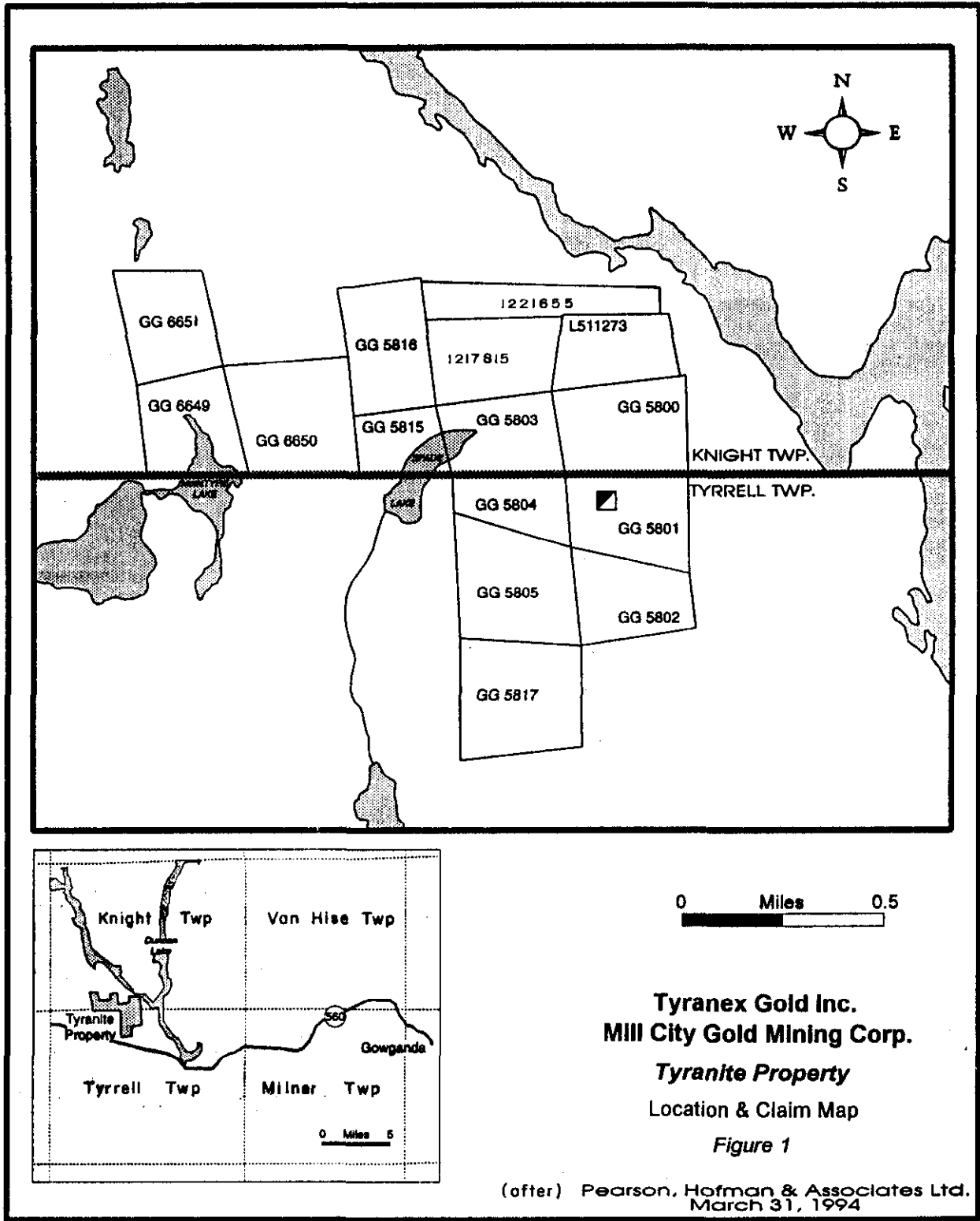
- 97-223
- 97-224
- 97-225
- 97-226

Assay Certificates

Core Storage

Tyranite Core building, Tyranite Mine Property, northern Tyrrell Township;

Core Size: NQ



Tyranax Gold Inc.
Mill City Gold Mining Corp.

Tyranite Property
Location & Claim Map

Figure 1

(after) Pearson, Hofman & Associates Ltd.
 March 31, 1994

Diamond Drill Hole Logs

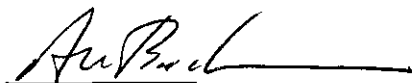
Tyranex Gold Inc.

DIAMOND DRILL HOLE LOG

HOLE No. H96-61

Property TYRANITE	Tp KNIGHT	Azimuth 95°-33' Mine grid	Date started 4th Feb. 1996	Corrected Dip 994.1 FT	Tests (°) 74°?	Remarks	Location Sketch
Project	Lot & Conc.	Dip 70°	Date Completed 7th Feb. 1996	1400.1 FT	69°		
Claim # SECTION 2N	Co-ordinates 2828.88N 10746.51E	Length (metres)	Drilled by: St. Lambert	1525.6 FT	69°		
Grid # Mine Grid		Collar Elevation 9971.48	Check Log by: A.W. Beecham				

Note: collar azimuth surveyed by theodolite at 095°-33'-09" Mine Grid;
CORE SIZE : N.Q.

FT From	To	DESCRIPTION	Sample Number	From	To	Length	ASSAYS		
							% Py	opt Au	Avg.
		<u>Check Logging and additional sampling April 1997 by A.W. Beecham for Tyranex Gold Inc. and Mill City;</u>							
(1200)	1232.8	<u>MAFIC VOLCANIC - DIORITE INTRUSIVE</u> 10-15% diorite-gabbro as matrix to bx'd fine to medium grained dark green mafic volcanic. Diorite dykeletes from 1/4" to 6"; mod. to strongly magnetic; <u>Veins:</u> 1232.6' - 1" white qtz bx sith 1/2 to 1% fine Py in wallrock, vein at 75° 1236.4 -1237.2 50% white qtz lenses & light grey silicified zones with up to 5% Py in selvages; 1238.2 -1238.6: as above 1236.4 to 1237.2. @ 75° <u>Alteration:</u> Minor streaks, and veinlets of black chlorite, some as matrix to volcanic bx; (pre-dates intrusive bx). <u>Mineralization:</u> See veins: streaks, blebs and coarse disseminations of Py;	24865	1218	1221	3.0	1/2	0.001	
			24866	1221	1224	3.0	1/2	Nil	
			24867	1224	1226	2.0	2	Nil	
			24868	1226	1230	4.0	tr-1/2	Nil	
			24869	1230	1232	2.0	3	0.005	
			24870	1232	1233	1.0	1/2-1	0.003	
			24871	1233	1236.3	3.3	1/2	0.001	
			24872	1236.3	1239.0	2.7	2-3	0.005	
			24873	1239.0	1241.0	2.0	1	Nil	
1232.8	(1279.5)	<u>MAFIC VOLCANIC BRECCIA</u> Primary volcanic bx with about 5% black chlorite in matrix; mod. to strongly magnetic							
		 A.W. Beecham April 1997							

Tyranex Gold Inc.

DIAMOND DRILL HOLE LOG

HOLE No.97-90

Property	Tp	Azimuth	Date started	Corrected	Dip	Tests	(°)	Location Sketch		
TYRANITE	KNIGHT TP	084.5° grid East	3rd Feb. 1997	30'	59°	095.5°				
Project	Lot & Conc.	Dip	Date Completed	200'	60°	104.5°				
Main Zone		58.5°	.1997	400'	60°	n/r				
Claim # GG 5803 (lease)		Length	Drilled by:	530'	60°	100°		Dip	Az.	Az.Corr'd
Underground Co-ordinates	2952.10N 10641.40	1545.3'	St.Lambert	800'	61°	103°	1468'	62°	102°	93°
Surface 3+86N/7+99W		Collar Elevation	Logged by:	1000.'	63°	100°*		* read by drillers		
		9957.18ft.	A.W. Beecham	1200.'	61°	101°				

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS						
				From	To	Length	% Py	opt Au	Mo ppm	Avg.
		OBJECTIVES:Test Main Structure 200 FT abover intersection in dh No. H-96-87								
0	10.5	CASING.								
10.5	92.0	<u>MASSIVE MAFIC VOLCANIC</u> Dk/. grey - dk. blue-green f.g. locally talcose; <u>Struct:</u> Section of broken core through mainly with fractures mainly at small angles to the core. <u>Veins:</u> Minor lt. grey calcite. <u>Min:</u> tr Py as films in fractures. <u>Remarks:</u> 32-41 - altered lamprophyre?								
92.0	97.5	<u>FOLIATED MAFIC VOLCANIC?</u> Med- fine dk. green-black H=5 Mostly fine mafic minerals. <u>Struct:</u> Streaky banding at 45° (foliation?) <u>Veins:</u> Minor white, non-fizzy carb. veinlets								
97.5	107.3	<u>MAFIC - ULTRAMAFIC (U.M.) DYKE</u> Med. f.g. dk. grey - lt. green - mainly dk. green micaceous mineral + non-fizzy carbonate. Mod. mag.								
107.3	141.0	<u>POLYSUTURE JOINTED ULTRAMAFIC VOLCANIC</u> Dk. blue green-black speckled med. sections H=3-4; mostly talcose. Non-fizzy carb., talc. chlorite. Strongly mag. <u>Struct:</u> Minor sections of broken core.								

DIAMOND DRILL HOLE LOG

HOLE No. 97-90

Pg. 2 of 10

Ft From	To	DESCRIPTION	Sample Number	ASSAYS			
				From	To	Length	% Py
141.0	255	<p><u>MASSIVE U.M. VOLCANICS</u> Dk. blue grey, mostly f.g. in a few speckled m.g. sections. H=3-5; strongly mag. Min. similar to previous unit but more talcose - some short sections may be serpentinite.</p> <p><u>Struct:</u> Broken, crumbly sections with a little gouge here + there.</p> <p><u>Min:</u> tr Py on fractures as films;</p> <p><u>Alt; & Veins:</u> A little pale green serpentine on fractures;</p>					
255.0	314.0	<p><u>POLYSUTURE JOINTED -COARSE BX U.M. VOLCANIC.</u> As above, soft + talcose - mod. hard + speckled (m.g.) Strongly magnetic.</p> <p><u>Struct:</u> Minor broken core.</p> <p><u>Veins:</u> Minor non-fizzy carb. veinlets * pale green serpentine or fract.</p>					
314.0	430.0	<p><u>MASSIVE SERPENTINIZED ULTA MAFIC.</u> Dk. blue-green, f.g. H=3-4. Strongly magnetic; serpentine + carb. talc. + minor magnetic.</p> <p><u>Struct:</u> A few sections of finely broken core with a little gouge; c.g. at 323,330' and 370-373'; 400-413'</p> <p><u>Veins:</u> Minor lt. grey dolomite veins up to 1-2% 1-2mm chrysotile (asbestos) veinlets; + pale green serpentine on slips.</p>					
430.0	523.0	<p><u>FINELY BX'C U.M. FLOWS WITH SERPRNTINE</u> As above dk. grey, blue green mostly m.g; strongly mag. Serpentine rich sections</p> <p><u>Struct:</u> Very coarse bx or massive flow; Fine incipient bx with - 10% fine chl. matrix or fine 'mesh' fracturing.</p> <p><u>Veins:</u> 454-468.5 - 25% carb.(?) - black chlorite matrix; minor chrysolite (asbestos) veinlets; Pale green serpentine in fractures;</p>					

DIAMOND DRILL HOLE LOG HOLE No. 97- 90

Pg.3 of 10

Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<u>Min:</u> tr Py as films on fractures.					
		<u>Remarks:</u> 6' foliated - banded material at base of 45°					
523.0	584.0	<u>FINELY FELDSPAR PORPHYRY (INTRUSIVE?)</u> Dk. grey-green; 20-35% 0.5-3mm feldsspars in dk. matrix; scattered small mafic inclusions or clasts. Non-mag. <u>Struct:</u> Indistinct * feldspars inclusions at about 45°; well banded at upper CT at 40° <u>Alt. & Veins:</u> Relatively fresh + unaltered. <u>Remarks:</u> 51.2-557.4 Streaky banded f.g. mafic -u.m. volcanic septum 568-574.5 Probably andesitic composition; <u>Min:</u> tr diss'd Py in volc. inclusion.					
584.0	652.8	<u>COARSE FELDSPAR PORPHYRY</u> Lt. grey; 40% - 60%, - 3mm with a few 5-6mm white feldspar phenocrysts; med. grey matrix - 1-3% mafics- mainly hornblende. Non-mag; <u>Struct:</u> Massive + uniform, only weakly fract.'d; slightly alignment of phenocrysts. <u>Alt:</u> 622 - 635 mod. fract.'d + bleached <u>Min:</u> Minor diss'n of Py here + there. <u>Remarks:</u> Upper Ct irregular at 5°,lower Ct at 40° As non-mag probably post Milly Creek intrusive.					
652.8	662.3	<u>FINE FELDSPAR PORPHYRY</u> As above, dk. grey - relatively mafic. Lower Ct abrupt at 45°					
662.3	671.7	<u>ALTERED MAFIC VOLCANIC</u> Med. - dk. grey f.g. H=5-6 magnetic. <u>Struct:</u> Some incipient bx - probably primary; strongly fract'd + recemented.	4885 4886	668.8 670.5	670.5 672.2	1.7 1.7	- tr 0.001 nil

DIAMOND DRILL HOLE LOG

HOLE No.97-90

Pg. 4 of 10

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
671.7	723	<p><u>Alt:</u>Strongly sil'n + bleaching - fract. controlled; Minor * - minor white qtz.</p> <p><u>COARSE FELDSPAR PORPHYRY</u> As above 584 - 657ft.</p> <p><u>Struct:</u>Mod. strongly fract'd at 45°-55° weak fol'n (or flow bands) at 60° (80° to fractures)</p> <p><u>Veins:</u>Numerous hairline chl. fract. filling 689. 2" dull grey qtz. at 0.5°</p> <p><u>Min:</u>tr diss'd Py here + there. tr Cp 682.5'</p> <p><u>Remarks:</u>Lower Ct intrusive bx.</p>	4887	688.3	689.8	1.5	-	nil
723	738.3	<p><u>ALTERED MAFIC FLOW(S) (OR FELSIC FLOW)</u> Med. lt. grey, mottled; f.g. uniform texture. H=6+; Only weakly magnetic.</p> <p><u>Struct:</u>Primary flow structured; flow bx short dyke lots of F.P. within unit suggests unit may consist of large blocks in F.P.</p> <p><u>Alt:</u>Appears to be intensley sil'd + albitized (?) 'Veined' + mottled</p> <p><u>Min:</u>Sparse diss'd fine Py ;tr Cp at 729.6'</p> <p><u>Remarks:</u>Colour struct. suggest originally mafic flow.However very qtz. + feldspar?? - rich + could be internal felsic flow.</p>	4888 4889 4890 4891	722 725 729 734	725 729 734 738.7	3.0 4.0 5.0 4.7	tr tr tr tr	nil 0.001 0.001 nil
738.3	788	<p><u>ULTRAMAFICS FLOW BRECCIA</u> As above, dk. blue green, fine grained. Relatively soft, talcose bx matrix mostly black chl. Strongly mag. throughout.</p> <p><u>Struct:</u>Primary fine to very coarse bx. Sheared (talcose) at top at 45°</p> <p><u>Alt; & Veins:</u>No sign /alteration Isolated lt. grey calcite veinlets;</p> <p><u>Min:</u>tr Py as films on fractures;</p>						
788	1065.0	<p><u>SPECKLED U.M. - MAFIC POLYSUTURE JOINTED - FLOW BX FLOWS</u> Med. grey to dk. blue grey med. (speckling) -f.g. Relatively hard H=5 strongly mag; streaks + diss'n of magnetite;</p> <p><u>Struct:</u>Thin (1/8") chloritic joints incipient bx.</p>						

DIAMOND DRILL HOLE LOG

HOLE No.97-90

Pg. 5 of 10

Ft.		DESCRIPTION	Sample			ASSAY		
From	To		Number	From	To	Length	% Py	opt Au
		<p><u>Alt. & Veins:</u> Relatively fresh + unaltered. - a little pale green serpentine on fract. Isolated white calcite - black chlorite veinlets;</p> <p><u>Min:</u> Isolated films Py on fracture planes;</p> <p><u>Remarks:</u> Main min. looks felsic - may be fine carb. or serp. + hardness due to fine magnetic? Talcose toward bottom of unit;</p>						
1065	1097	<p><u>SHEARED ULTRAMAFIC WITH TALC-CARBONATE SCHISTS</u> (Main Tyrinite Shear) dk. green f.g. relatively soft, composed of carbonate, mainly calcite, chl. + talc. mod. mag. in least sheared section.</p> <p><u>Struct:</u> Strong schistosity at 40° - 45°. Crumbly but only minor broken core; Minor gouge + mudseams. - 1/4" at 1078'</p> <p><u>Alt. & Veins:</u> 10% lt. grey carb. veinlets, partings - mainly calc. A little pervasive calcite.</p> <p><u>Min:</u> tr Py here + there. Minor Py concentration 10%/1/2" at 1080.1 5%/* at 1088</p> <p><u>Remarks:</u> Marks main T*</p>	4892	1092	1097	5.0	-	0.001
1097	1101.3	<p><u>MASSIVE MAFIC DYKE (?)</u> dk. grey, f.g. - speckling suggests m.g. 'd rock, non-mag. H=40</p> <p><u>Alt:</u> weak pervasive calcite.</p> <p><u>Struct:</u> Sheared at bottom at 30° Min? tr Py + films grey mineral on fractures</p>	4893 4894	1097 1099	1099 1101.3	2.0 2.3	- -	0.001 0.004
11.0-3	1112.0	<p><u>ALTERED QUARTZ VEINED SYENODIORITE</u> Lt. grey 90% feldspar chl'd mafic -mostly non-mag;</p> <p><u>Struct:</u> 1102-1105.5 shattered + recemented;</p> <p><u>Alt. & Veins:</u> 1102.4 - 1105.5 30% lt. grey, white qtz. stockwork 2% Py Elsewhere 5% grey-white qtz. veinlets + 1% Py A few qtz.-calc. veins up to 1"</p>	4895 4896 4897 4898 4899 4900 4901 4902.	1101.3 1102.3 1103.3 1103.3 1104.6 1104.6 1105.6 1106.6 1106.6 1107.6 1107.6 1110.0 1110.0	1102.3 1103.3 1104.6 1105.6 1106.6 1107.6 1110.0 1112.0	1.0 1.0 1.3 1.0 1.0 1.0 1.0 2.4 2.0	1/2 2 2 2 1 1 1/2 1/2	0.028 0.034 0.027 0.056 0.050 0.052 0.038 0.034

DIAMOND DRILL HOLE LOG

HOLE No.97-90

Pg. 6 of 10

Ft. From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
1112.0	1150.0	<u>RED ALTERED SYENODIORITE</u> Pale - brick red, med. c.g. 90-95% feldspar + chl'd mafic; mod. mag.	4903	1112.	1115	3.0	-	0.012
			4904	1115	1118	3.0	-	0.004
			4905	1118	1120	2.0	-	0.057
		<u>Struct:</u> Mostly massive + undeformed, crackled + recemented in veined + min. sections;	4906	1120	1121	1.0	1	0.031
			4907	1121	1122	1.0	2	0.038
			4908	1122	1123	1.0	2	0.071
		Incipient bx'n especially in lower part.	4909	1123	1124	1.0	1	0.094
			4910	1124	1127	3.0	tr	0.033
		<u>Alt. & Veins:</u> Mod. strong res alt. (hermatite)	4911	1127	1132	5.0	tr	0.010
		Zones of pervasive sil'n in 1-2% ; fine Py + minor white qtz. veinlets;	4912	1132	1137	5.0	tr	0.006
		Minor white calcite.	4913	1137	1142	5.0	tr	0.003
			4914	1142	1147	5.0	-	0.001
			4915	1147	1152	5.0	-	0.001
			4916	1152	1157	5.0	tr	0.006
		<u>Min:</u> tr Py here + there with white qtz. veinlets.	4917	1157	1162	5.0	-	0.008
			4918	1162	1167	5.0	tr	0.010
1150	1193.5	<u>BRECCIATED RED ALTERED SYENODIORITE</u> As above; mod. mag.	4919	1167	1172	5.0	-	0.001
			4920	1172	1177	5.0	-	nil
			4921	1177	1182	5.0	-	nil
		<u>Struct:</u> Mostly incipient bx; angular tectonic or hydrothermal bx; Clasts from 1/2" up to blocks of several feet. 1185-1189 well developed rotated bx;	4922	1182	1184	2.0	tr	nil
			4923	1184	1186	2.0	tr	0.002
			4924	1186	1187	1.0	1/2	0.010
		<u>Alt. & Veins:</u> Mod. -strong red alt. throughout	4925	1187	1188	1.0	2-3	0.024
		Minor white qtz. veinlets.	4926	1188	1189	1.0	1	0.035
		1187-1192.4 5% white q. v. with red alt. + Py selvages	4927	1189	1190	1.0	1/2	0.002
			4928	1190	1191	1.0	1	0.004
		<u>Min:</u> See veins.	4929	1191	1192	1.0	1	0.001
			4930	1192	1193.5	1.5	tr-1/2	0.005
1193.5	1218.2	<u>ALTERED MAFIC VOLCANICS</u> Med. grey, f.g. H=4; Mod. mag. - non-mag. in places;	4931	1193.5	1197.0	3.5	tr	0.008
			4932	1197.0	1198.0	1.0	1-2	0.017
		<u>Struct:</u> flow structured - streaky banding -weak schisosity ^40°	4933	1198.0	1199.0	1.0	3	0.021
			4934	1199.0	1202.0	3.0	1	0.006
		<u>Alt. & Veins:</u> 15% lt. grey calc. streaks partings, wispy veins.	4935	1202.0	1204.0	2.0	tr	0.001
		1197-1198.8 lt. grey calcite +/- qtz. with 2% diss'd Py.	4936	1204.0	1209.0	5.0	tr	0.004
			4937	1209.0	1214.0	5.0	-	0.004
			4938	1214.0	1218.0	4.0	-	0.026

DIAMOND DRILL HOLE LOG

HOLE No. 97-90

Pg. 7 of 10

Ft From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
		<u>Min:</u> See Alt'n; tr diss'd Py in upper part.						
		<u>Remarks:</u> 1198.5 - 1202 mafic lamprophyric (?) dyke. Some of calcite veinlets probably follow pillow selvages.						
11218.2	1231.5	<u>ALTERED SYENODIORITE</u> As above, mostly non-mag.	4939	1218	1220.5	2.5	1/2	0.017
			4940	1220.5	1222.3	1.8	tr-1/2	0.008
			4941	1222.3	1223.3	1.0	tr	0.006
			4942	1223.3	1224.3	1.0	1	0.010
		<u>Structure:</u> Altered sections, shattered + recemented.	4943	1224.3	1225.3	1.0	2	0.033
			4944	1225.3	1226.7	1.4	1/2	0.026
		<u>Alt; & Veins:</u> 25% of unit consists of short sections pf lt. grey or pink f.g. sil'n with a few % white qtz. veinets 1/8-1/4"+ fine Py (in sil'n) up to 3% Py / 0.5' A few % white calcite veinlets.	4945	1226.7	1227.7	1.0	1/2	0.026
			4946	1227.7	1228.7	1.0	tr	0.041
			4947	1228.7	1229.7	1.0	2	0.057
			4948	1229.7	1230.7	1.0	2	0.016
1231.5	1242.2	<u>GREY & PINK SYENODIORITE</u> Med. grained, mag.	4949	1230.7	1232	1.3	tr	0.005
			4950	1232	1237	5.0	-	0.002
			4951	1237	1240	3.0	-	0.001
			4952	1240	1242.2	2.2	-	0.003
1242.2	1261.0	<u>ALTERED QUARTZ VEINED SYENODIORITE</u> Med.- lt. grey, only unaltered remnant are magnetic						
			4953	1242.2	1244.5	2.3	1-2	0.020
		<u>Struct:</u> veins + alt; 60° + 135°	4954	1244.5	1246.0	1.5	tr	0.005
		Altered sections intensely fract. or cracked;	4955	1246.0	1248.3	2.3	1-2	0.011
			4956	1248.3	1250.5	2.2	1/2	0.004
		<u>Alt; & Veins:</u> Zones of intense f.g. lt. grey silic'n in lt. grey-white qtz. veinlets. Fine diss'd Py in dilic'd zones: 1/8" sections sooty Py;	4957	1250.5	1251.5	1.0	1	0.034
		Minor white qtz. bx veins;Minor red alt;	4958	1251.5	1252.7	1.2	tr	0.003
		1242.2-1243.2 15% white qtz. bx.	4959	1252.7	1254.0	1.3	3	0.172
		1252.7-1255.4 talcose silic'n in 1/4" dk. grey 'seam' 10% sooty Py at 1255'	4960	1254.0	1255.4	1.4	4	0.036
			4961	1255.4	1258.0	2.6	1/2	0.014
			4962	1258.0	1261.0	3.0	1/2	0.008
		<u>Min:</u> See Alt;+ Veins. tr Cp on 'slip' at 1254						
1261.0	1291.5	<u>GREY SYENODIORITE</u> As above; med. grained; 5-10% mafics						
		<u>Struct:</u> Uniform + unfractured						
		<u>Alt; & Vein:</u> Minor red alt + white qtz. veinlet at bottom with tr Py.Minor lt. grey calc. veinlets	4963	1285	1290	5.0	tr	0.001
		<u>Min:</u> See 'veins'						

DIAMOND DRILL HOLE LOG

HOLE No. 97.90

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Ft From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
1291.5	1342.8	<u>RED ALTERED SYENODIORITE</u> As above; mostly dull red, pink; 1306-1315 + 1335-1342 grey altered. Red sections mag. +/- grey sections are non-mag - apparently more altered.						
		<u>Structure</u> : Moderately to strongly fract.'d 'crackled' in veined sections. Preferred orient'n veins -60°- 65°	4964	1290	1295	5.0	tr	0.001
			4965	1295	1300	5.0	tr	nil
			4966	1300	1305	5.0	tr-1/2	0.001
			4967	1305	1308.2	3.2	tr	0.003
		<u>Alteration & Veins</u> : Mod. red alt. A few sections strong sil'n; mod. pervasive calc. 2-5% white qtz.-calc. 1/2-1/4"	4968	1308.2	1309.2	1.0	3	0.014
		Sparse lt. grey qtz. with tr Py in selvages	4969	1309.2	1313.0	3.8	tr-1/2	0.001
		1308.5 0.7' strong sil'n, + 3% Py	4970	1313.0	1318.0	5.0	tr	nil
		1323.5 0.5 " " "	4971	1318.0	1322	4.0	-	0.001
		1335.8 -1339.5 Zones sil'n + qtz. calc (1x3" vein) 3% Py	4972	1322	1325	3.0	1/2	0.006
			4973	1325	1330	5.0	tr	nil
		<u>Min</u> : Diss'd Py in sil'd zones, blebs + streaks coarse 'dk.' Py here + there c.g. at 1308'.	4974	1330	1335	5.0	tr	nil
		Thin smears silvery min. on slips c.g. 1309 probably specular hem.	4975	1335	1336	1.0	1	0.001
			4976	1336	1337	1.0	2	0.029
			4977	1337	1338	1.0	2	0.025
			4978	1338	1339.3	1.3	2	0.035
			4979	1339.3	1342.5	3.2	-	0.005
1342.8	1353.7	<u>ALTERED MAFIC - U.M. VOLCANIC</u> Dk. grey + pale green, f.g. soft strongly mag.						
		<u>Struct</u> : Massive, incipient primary(?) bx.	4980	1342.5	1346.0	3.5	tr	0.006
			4981	1346.0	1350.0	4.0	tr	0.001
			4982	1350.0	1353.7	3.7	tr	0.001
		<u>Alt. & Veins</u> : Intense carb alt. calc. + probably dolomite; - 1/4 -1/2" grey calc. with 1-2" wide green f.g. mica. selvages; tr Py in selvages						
		<u>Min</u> : 1% fine diss'n Py in green mica selvages;	4983	1353.7	1358	4.3	trr	0.005
1353.7	1395.5	<u>ALTERED GREY & RED SYENODIORITE -DIORITE</u> As above, most is magnetic, mafica up 15-20%	4984	1358	1363	5.0	tr	0.007
			4985	1363	1366	3.0	1	0.013
			4986	1366	1367.8	1.8	2	0.005
		<u>Struct</u> : Massive with shattered sections (recemented) mafic inclusions	4987	1367.8	1369.5	1.7	4	0.013
		1360' - 1363';	4988	1369.5	1372.0	2.5	tr	0.002
		Minor gouge at 1375 (1/8")	4989	1372.0	1373.8	1.8	tr	0.006
			4990	1373.8	1374.8	1.0	3	0.014
		<u>Alt. & Veins</u> : 1359.5 - 1360.8 20% white qtz. red selvage with Py + pink+grey calcite.	4991	1374.8	1377.5	2.7	tr	0.005
			4992	1377.5	1380.0	2.5	tr	0.007
		1367.8 - 1369.5 Med. gre intense silic'n (one comes up to 5") + sil'n a long numerous fractures with good diss'n; fine Py	4993	1380.0	1381.5	1.5	3	0.016
		+ minor white qtz.-fract. 70°- 80°	4994	1381.5	1383	1.5	1/2-1	0.008
			4995	1383	1388	5.0	tr-1/2	0.004

DIAMOND DRILL HOLE LOG

HOLE No. 97-90

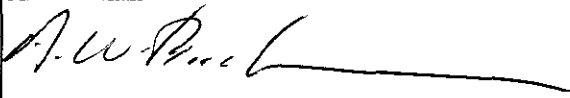
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Ft From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
		1373.8 - 1374.8 Strong red alt. + 3-4%Py - 45°	4996	1388	1393	5.0	tr	0.004
		1380.8 - 1381.3 " " " " 70°	4997	1393	1395.5	2.5	tr	0.004
		?* 1363.5 - 1365.0 2-4% 1/8" white q.v. + 2% Py diss. throughout wallrock.						
		<u>Min:See Alt'n.</u>	4998	1395.5	1396.5	1.0	2	0.025
		1381.4 1/16" Py-Cp veinlet;	4999	1396.5	1399.0	2.5	tr	0:011
			5000	1399.0	1401.5	2.5	tr	0.015
			8701	1401.5	1402.5	1.0	2	0.032
1395.5	1446.3	<u>GREY SYENODIORITE WITH SILICEOUS ZONES</u>	8702	1402.5	1405.0	2.5	tr	0.015
		As above. mostly weakly altered grey mag. synodior with shoet sections of fine silicified material.	8703	1405.5	1407.0	2.0	1/2	0.016
			8704	1407.0	1408.0	1.0	2	0.095
			8705	1408	1409.0	1.0	2	0.079
		<u>Struct:Massive unfract. sections with short highly fractured - crackled (altered) sections;</u>	8706	1409	1414	5.0	tr	0.004
			8707	1414	1419	5.0	tr-1/2	0.024
		<u>Alt. & Veins:Dull grey diffuse zones of strong silic'n +/- a little red alteration in fine Py. - Sections from single fractures up to 3';Minor lt. grey calcite + black chl. in fract.</u>	8708	1419	1422	3.0	tr	0.017
			8709	1422	1423.5	1.5	1-2	0.101
			8710	1423.5	1425.0	1.5	2	0.176
			8711	1425.0	1430.0	5.0	1/2	0.135
			8712	1430.0	1433.0	3.0	1	0.038
		Silicified Py'c zones as follows:	8713	1433.0	1436.3	3.3	1/2	0.012
		1395.5-1395.8	8714	1436.3	1437.3	1.0	3	0.100
		1401.5-1402.3	8715	1437.3	1438.7	1.4	3	0.051
		1405-1405.3	8716	1438.7	1442.0	3.3	1/2	0.026
		1407-1409	8717	1442	1445.3	3.3	1/2	0.023
		1422-1425	8718	1445.3	1446.3	1.0	-	0.026
		14.27-1428.5						
		1436.3-1438.9						
		1445.3-1446.3						
			AVG.	1407	1438.7	31.7		0.056
			AVG.	1422	1430	8.0		0.136
		<u>Min: See Alteration;</u>	8719	1446.3	1447.9	1.6	3-4	0.011
			8720	1447.9	1450	2.1	1	0.015
1446.3	1464.9	<u>ALTERED SYENODIORITE WITH WHITE 'CRACKLE BRECCIA'</u>	8721	1450	1452	2.0	1/2-1	0.020
		As above med. - lt. grey, med. c.g. - f.g. where strongly alt. all non-mag	8722	1452	1454	2.0	1/2-1	0.023
			8723	1454	1456	2.0	1/2-1	0.019
		<u>Struct:Strongly fract. to incipiently bx + re -cemented; Small fault 1/4" 60% at bottom of unit.</u>	8724	1456	1457.8	1.8	1	0.018
			8725	1457.8	1458.9	1.1	3	0.018
			8726	1458.9	1459.9	1.0	3-4	0.017
		<u>Alteration :Mod. to strongly alt; throughout from fract. controlled to intense pervasive silification with incipient fine bx. white zones contain abundant fresh feldspar - probably secondary albite. A little pervasive calcite, especially in fine dull grey zones.</u>	8727	1459.9	1460.9	1.0	3-4	0.007
		1446.3-1447.9Intense f.g. grey silic'n + clusters of white feldspar in 4-5% fine Py	8728	1460.9	1461.9	1.0	1	0.008
			8729	1461.9	1462.9	1.0	2	0.007
			8730	1462.9	1463.9	1.0	3-4	0.073
			8731	1463.9	1464.9	1.0	3-4	0.028

DIAMOND DRILL HOLE LOG

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Ft. From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
1457.5	1464.9	White crackle bx well developed white feldspar + strong grey silic'n in bx matrix + * grey dusty silic'n + Py 1-3% fine -med. Py Minor fine chlic bx.						
1464.9	1467.0	<u>ALTERED SYENODIORITE</u> Med. grey, med. grained, non-mag; <u>Struct.-Alteration:</u> Strongly fract.'d with a little black chl. + lt. grey calc. cement;	8732	1464.9	1467.0	2.1	-	0.002
1467.0	1511.0	<u>GREY MEDIUM GRAINED SYENODIORITE</u> <u>Struct:</u> Massive + uniform - almost unfractured <u>Alt. & Veins:</u> Sparse epidote +/- calcite veinlets.	8733	1467	1469	2.0		0.001
1511.0	1519.5	<u>MAFIC - U.M. VOLCANICS - SYENDIORITE INTRUSIVE BX</u> Close-packed rounded to angular volcanic clasts up to 2' + smaller proportion syendior matrix.						
1519.5	1545.3	<u>GREY MEDIUM GRAINED SYENDIORITE</u> As above. <u>Alteration:</u> Sparse epidote - calcite veinlets;						
1545.3		<u>END OF HOLE</u> A.W. Beecham. 						

Property	Tp	Azimuth	Date started	Depth	Mag. Az	True Az	Dip	Location Sketch
TYRANITE	KNIGHT TP	084.30 minegrid	11th Feb. 1997	36'			57°	
Project	Lot & Conc.	Dip	Date Completed	200'	91°	82°	58°	
MAIN ZONE		58.5°	Feb.1997	394'	95.5°		59°	
Claim # GG 5803 (lease)		Length	Drilled by:	590'	101°		60°	
		1545.3 FT	St.Lambert	787'	103.5°		61°	
Surf. Grid #		Collar Elevation	Logged by:	984'	114.0°		61°	
1+94N/8+36W	U/G Co-ord.	9976.0'	A.W. Beecham	1180'	131.5°		61°	
	2757.15N/ 10622.52E			1328'	125°	116°	59°	
				1506'	133°		58°	

Ft. From	To	DESCRIPTION	Sample			ASSAYS				
			Number	From	To	Length	% Py	opt Au	Mo ppm	Avg.
		OBJECTIVES:								
0	20.5	CASING								
20.5	142.0	<u>MASSIVE, META-DIABASE</u> Dk. grey green - fine - m.g. non-mag.-strongly mag. Ophitic texture. Speckled sections (strongly magnetic) <u>Structure:</u> Section of broken core top to about 50' <u>Alt. & Veins:</u> A little chlorite; A few % epidote-calcite;A few white calcite + cal. q.v.'t <u>Mineralization:</u> tr Py as scattered grains. <u>Remarks:</u> 38.5 - 43 Incl. (block) of mafic volcanic rock; Lower Ct gradational - same intrusive above + below;								
142.0	688.5	<u>COARSE GRAINED (META?) DIABASE</u> Dk. green-grey m.c., even grained;coarse diabasic; mod. mag. to non-mag in places; <u>Struct:</u> Mostly massive + uniformed. Mod. fr'd - short sections of broken core as follows: 255', 284-290'. Minor gouge on 30° fract. at 369' + 373' <u>Alt. & Veins:</u> 2-3% white calcite veinlets.A few epidote-calcite veinlets in minor Py; 381.6' - 383.6' banded grey q.v. + chl. parting bx wall rock; blebs c.g. Py + a little Cp. 511.6 + 513.1 - 1/2 -1" grey calc. + pink qtz. tr Py 50° <u>Min:</u> Scattered grains dk. interstitial Py -isolated blebs Py <u>Remarks:</u> 468-8' mafic volc. include.508.5-514.5 short sect.f.g.alt.mafic-probably mafic volc.incl..561-567Intermed.f.g. mainly feldspar + dk. mica;weakly foliated Ct. at	8734	381.6	383.0	1.4	1-2	0.001		
			8735	511.5	513.2	1.7	-	0.001		

DIAMOND DRILL HOLE LOG

HOLE No. 97-91

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Ft From	To	DESCRIPTION	Sample Number	From	To	Length	ASSAYS			ppm		ppm
							Py, Cp	opt Au	opt Ag	Co	Cu	Ni
688.5	697.3	65° +5°; 575.1-576 Intermed.dykes as previous - 10° Lower Ct med-coarse grain'd. <u>FOLIATED INTERMEDIATE - MAFIC DYKE.</u> Dk. grey-f.g mainly fsp. + dk. brown mica-probably type of lamprophyre; <u>Struct:</u> weak fol'd- schistosity at 45°-30° <u>Min:</u> tr diss'd interstitial Py up to 1/2% small blebs interstitial Cp	8736	689.5	693	3.5	tr-1/2	0.002	0.01	27	373	87
697.3	760	<u>SPECKLED U.M. VOLCANIC</u> Dk. blue grey fine to med.grained;Relatively hard, Strongly mag <u>Structure:</u> Fract.'d - incipiently bx'd in black qtz. filling. Sections of broken core at 732',752'. <u>Min:</u> tr Py as thin veins + film on fractures.										
760	771.8	<u>FRACTURED U.M. BRECCIA</u> Dk. grey-green, f.g. H=4 Clasts in 20% black chlorite Probably flow bx, mag. <u>Struct:</u> Sections of broken core. Shearing + minor gouge										
771.8	782	<u>FRACTURED U.M. BRECCIA</u> As above except frag's have brownish hue to dk.green.f.g. mag.A little crysotile fibre; <u>Struct:</u> Thin shears at 30° ;Broken with gouge at bottom. <u>Min:</u> tr diss'd Py										
782	856	<u>U.M. BRECCIA</u> As above 771.8-782 <u>Struct:</u> Frag's to blacks,dk. green-brown in 5-10% black chlorite matrix. Maybe partly flow bx. Bx at bottom with diorite matrix; <u>Min:</u> tr Py diss'n + films on fractures. <u>Veins:</u> Minor white calcite veinlets here + there.										
856	948	<u>U.M. BRECCIA</u> Med. dk. blue green; f.g. H=4; talcose in places, strongly mag.										

DIAMOND DRILL HOLE LOG HOLE No. 97-91

Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<p><u>Struct:</u> Bx of small clasts up to large blacks in ^5-10% black chl. marix. Some incipient bx'n. Broken 861'- 866'</p> <p><u>Veins:</u>Minor lt. grey calcite veinlets</p>					
948	1021	<p><u>SPECKLED POLYSATURE JOINTED MAFIC - U.M. VOLCANICS</u> med. dk. grey green, to blue -green, mostly m.g. strongly mag. H=4</p> <p><u>Struct:</u>Polyhederal joints - incipient bx with black chl. - magnetitie filling (or matrix)</p> <p><u>Alt; & Veins:</u>Minor lt. grey calcite veins + minor pale serpentine on fract's.</p>					
1021	1035.4	<p><u>MASSIVE - BX'D U.M. -MAF VOLCANIC</u> As above</p> <p><u>Struct:</u>Weak fol'n - schistosity in places at 45°;</p> <p><u>Remarks:</u>1030-1035.4 massive + appears c.g.</p>					
1035.4	1041.7	<p><u>FELDSPAR PORPHYRY DYKE</u> . 40-50% feldspar from <0.5mm up to 4mm + dk. grey matrix; non-mag. Relatively fresh unaltered</p> <p><u>Struct:</u>Upper Ct 60°- lower Ct 20° wallrock inclusions</p> <p><u>Min:</u>Minor diss'd Py at upper Ct.</p>					
1041.7	1054.3	<p><u>MAFIC (OR LAMPROPHYRE) DYKE</u> Dk. grey f.g. feldspar carbonate + mica.</p> <p><u>Alteration:</u>Middle 2 feet bleached + with strong pervasive calcite;</p> <p><u>Min:</u>tr - 1/2% diss'd Py</p>					
1054.3	1063.8	<p><u>U.M. MAFIC VOLCANICS</u> Dk. blue green, f.g. soft talcose; - mainly talc carbonate + chl. Strongly mag.</p> <p><u>Struct:</u>Weak schisosity at 50 - 35°</p>					

DIAMOND DRILL HOLE LOG

HOLE No.97-91

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Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
1063.8	1081.2	<u>LAMPROPHYRE DYKE</u> Med. dk. grey, f.g. matrix, w. 10-20% 2-3mm black chl.mafic phenocrysts; Matrix calcite or non-fizzy carb. <u>Struct:</u> Inclusions of U.M. in schistosity parrell to core. <u>Min:</u> Isolated blebs of Py.	8737	1079	1081.2	2.2	-	0.001
1081.2	1102.7	<u>ALTERED MAFIC VOLCANICS.</u> mottled dk. green + a little green (altered) fine, even grained; H=4; mag.only in places. <u>Struct:</u> Weak schisosity at 40° Strongly fract.'d 20°,40°, 60° ; bx sections° <u>Alteration & Veins:</u> Grid like -lt. grey carb. + minor sil'n, minor red alt; Minor white qtz.veinlets up to 1/2" A little chl. in fract. <u>Min:</u> Fine diss'd Py with blotches + streaks lt. grey + red alt; <u>Remarks:</u> Only weak sil'n, probably only low values. 1097.8-1102.7:fine bx with black chl'c matrix	8738 8739 8740 8741 8742 8743 8744 8745 8746	1081.2 1084 1087 1090 1092 1092 1093.7 1096.3 1097.8 1100.0 1100.0	1084 1087 1090 1092 1093.7 1096.3 1097.8 1100.0 1103.0	2.8 3.0 3.0 2.0 1.7 2.6 1.5 2.2 3.0	2-3 1 1-2 1 3-4 1/2-1 3 tr-1/2 tr-1/2	0.002 nil 0.001 0.001 0.003 0.003 0.003 0.001 0.001
1102.7	1116.4	<u>LAMPROPHYRE DYKE</u> Dull red brown, fine-medium grained.Mostly feldspar +/- non-fizzy carbonate weakly - mod. mag. <u>Struct:</u> Upper Ct at 10° Lower Ct at 30°. Upper Ct chilled; Streaky banding + looks fragmental; schistose inclusions. <u>Min:</u> tr -minor diss'd fine Py <u>Remarks:</u> 112.2 - 116.4 dk. green mafic dyke + numerous black chl'c inclusions	8747	1103	1105	2.0	tr	0.001
1115.4	1130	<u>SHEARED BX'D U.M. -MAF. VOLC. -(CAL-TALC CARB. SCHIST)</u> Dk. green, blue green, f.g. Mostly soft + talcose Mod. mag. <u>Struct:</u> Strong schisosity at 40° - 135° Bx in upper part in felsic frag's in chl. matrix. A little gouge at 1119, 1126.5						

DIAMOND DRILL HOLE LOG

HOLE No.97-91

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Ft.		DESCRIPTION	Sample				ASSAY	
From	To		Number	From	To	Length	% Py	opt Au
		<u>Alteration & Veins:</u> 25% lt. grey wispy dolomite + calcite partings,	8748	1127	1130	3.0	tr	0.013
		<u>Min:</u> tr Py						
1130	1171.5	<u>BRECCIATED ALTERED SYENODIORITE</u>	8749	1130	1132	2.0	2	0.140
		Med-light grey, mostly f.g. w. sections of remnant c.g.H=5; non-mag. throughout	8750	1132	1134	2.0	2	0.105
			8751	1134	1136	2.0	1	0.101
			8752	1136	1138	2.0	1	0.095
		<u>Struct:</u> Fine incipient to rotated bx 3-4mm up to 10cm.	8753	1138	1140	2.0	1	0.100
		Mod. post bx fracturing to calc; other carb cement.	8754	1140	1142.5	2.5	1-2	0.083
			8755	1142.5	1144.5	2.0	1/2-1	0.059
		<u>Alt; & Veins:</u> Mod. to strong pervasive dull grey-brown sil'n. Sil'n pre-bx'n;	8756	1144.5	1146.2	1.7	-	0.002
		Matrix mainly dk. chl. + carb.	8757	1146.2	1148.0	1.8	2	0.094
		2-5% 1/8' lt. grey calcite veinlets.	8758	1148	1150	2.0	1	0.144
		Minor sections of pale red alt;A little pale green mica. c.g. at 1167; 1168.5 -2"	8759	1150	1153	3.0	1	0.127
		c.g. white + orange bx. calc. vein at 20°						
			8760	1153	1155	2.0	1	0.151
		<u>Min:</u> 1-2% fine med. colour cubic Py both in frag.+matrix; minor hairline veinlets	8761	1155	1157	2.0	2	0.154
		of dk. fine Py;	8762	1157	1158.3	1.3	2	0.275
			8763	1158.3	1160	1.7	1	0.104
		<u>Remarks:</u> 1144.5 -1146.2 f.g. diabase dyke, magnetic; chilled Ct at 45° - 35° ;	8764	1160	1162.5	2.5	1	0.142
			8765	1162.5	1165	2.5	1/2	0.132
			8766	1165	1167	2.0	1	0.157
			8767	1167	1169	2.0	1/2-1	0.134
1171.5	1202.7	<u>MAFIC VOLCANICS</u>	8768	1169	1171.5	2.5	tr-1/2	0.176
		Dk. grey-green, f.g. H=4 mod. mag.						
			Avg.	1130	1167	37.0		0.119
		<u>Struct:</u> Weak schistosity at 30° - 40°						
		Strong fract. with carb. + qtz. cement. Minor gouge on 20° fracture; Fine Bx at top;	8769	1171.5	1175.0	3.5	tr	0.012
			8770	1175.0	1178	3.0	1/2	0.146
			8771	1178	1181.1	3.1	tr	0.037
		<u>Alt;& Veins:</u> A few % lt. grey calc.+ calcite q.v.						
		1180.5-1.5" white mottled q.v. + minor Py -5°						
		Black chl. here + there streaks + bx. matrix						
			24874	1181.1	1184.0	2.9	tr	0.004
		<u>Min:</u> tr Py here + there w. black chl.	24875	1184.0	1187.0	3.0	tr	0.003
			24876	1187.0	1190.0	3.0	1/2	0.003
1202.7	1215.9	<u>SHEARED ALTERED MAFIC VOLCANICS</u>	24877	1190.0	1195.0	5.0	tr-1/2	0.007
		As above, only partially mag.	24878	1195.0	1199.0	4.0	tr	nil
			24879	1199.0	1201.2	2.2	tr	0.001
		<u>Struct:</u> Strong schisosity at -15°						
			8772	1201.2	1203.2	2.0	tr	0.034

DIAMOND DRILL HOLE LOG

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Ft. From	To	DESCRIPTION	Sample Number	ASSAYS						
				From	To	Length	% Py	opt Au		
1215.9	1222.5	<u>Veins & Alt:</u> 15-20% lt. grey wispy calcite partings 1204.7-1205.7 Red brown; silicified frag's with 3-4% fine Py. 1215.2 - 1" c.g. pink calcite; tr Py in selvage;	8773	1203.2	1206.2	3.0	1-2	0.193		
			8774	1206.2	1210.2	4.0	tr	0.032		
			8775	1210.2	1213.2	3.0	tr	0.001		
			8776	1213.2	1215.9	2.7	tr	0.018		
		<u>ALTERED SYENODIORITE</u> As above, med. f.g. med. lt grey - pale brown; mag. in places.								
		<u>Struct:</u> Shattered, a little gouge on fract.								
		<u>Alt. & Veins:</u> Mod. to strong lt. brown sil'n;stronger in lower half of unit. 1217.8 - 1/8-1/4" whole q.v. 45°-30° + tr Py possibly very fine gold ??			8777	1215.9	1217.2	1.3	tr	0.097
					8778	1217.2	1218.2	1.0	1/2(vg?)	0.018
					8779	1218.2	1219.2	1.0	1	0.100
					8780	1219.2	1220.2	1.0	1	0.032
<u>Min:</u> tr - 3% fine Py with sil'n;			8781	1220.2	1222.5	2.3	2	0.060		
1222.5	1229.2	<u>MAFIC VOLCANIC</u> As above.	<u>Avg.</u> 1215.9 1222.5 6.6					0.063		
			8782	1222.5	1225.2	2.7	-	0.011		
			8783	1225.2	1229.2	4.0	-	0.002		
			<u>Struct:</u> Strong fract.'d							
<u>Veins:</u> Sections of lt. grey calc, partings at small angles to core. Minor grey qtz.-calcite.										
1229.2	1276.2	<u>ALTERED SYENODIORITE</u> Pale red-brown-grey m.g. mod. mag. except where strongly alt; Inclusions mafic volc. here + there.	8784	1229.2	1234.2	5.0	tr	0.002		
			8785	1234.2	1239.2	5.0	1	0.028		
					8786	1239.2	1243.2	4.0	1	0.057
		<u>Struct:</u> Mod. to strongly fract.'d - a few shattered sections (altered) Fractured + a little gouge at 45° at bottom.			8787	1243.2	1246.2	3.0	tr	0.070
					8788	1246.2	1249.2	3.0	1	0.059
					8789	1249.2	1252.2	3.0	tr-1/2	0.017
		<u>Alteration & Veins:</u> weak red alt; (hematite staining throughout.) Short sections strong f.g. silic'n			8790	1252.2	1255.2	3.0	2	0.021
		1260.2-1266.2 2-4% 1/8" white q.v. w. bleached selvages;			8791	1255.2	1257.2	2.0	tr-1/2	0.003
		Minor lt. grey calc. here + there + a little pervasive calcite;			8792	1257.2	1260.2	3.0	tr-1/2	0.038
					8793	1260.2	1263.2	3.0	tr	0.005
					8794	1263.2	1265.2	2.0	1	0.021
		<u>Min:</u> Fine diss'd Py in sil'd zones + in q.v. selvages;			8795	1265.2	1266.7	1.5	13	0.062
					8796	1266.7	1269.2	2.5	tr	0.002
					8797	1269.2	1272.2	3.0	-	nil
		1276.2	1289.9	<u>MAFIC VOLCANIC - SYENODIORITE INTRUSIVE BX</u> As above - 90% mafic volc. w. intrusive section from 1/2 -1"	8798	1272.2	1275.7	3.5	-	nil
					<u>24526</u>	1275.7	1277.2	1.5	-	nil
<u>AVG</u>	<u>1239.2</u>				<u>1249.2</u>	<u>10.0</u>			<u>0.062</u>	

DIAMOND DRILL HOLE LOG

HOLE No. 97-91

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Ft From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
1289.9	1350.5	<u>GREY SYENODIORITE WITH MAFIC VOLCANIC INCLUSIONS</u> M.g. 15-20% mafic; mod. mag. throughout; med. lt. grey. Scattered small inclusions + layer inclusive mafic volc. 1-2" up to 2' ^5% of unit.						
		<u>Struct:</u> Undeformed, only weakly fractured.	8799	1288.7	1300.3	1.8	tr-1/2	0.013
			8800	1290.5	1292.3	1.8	2	0.064
			24501	1292.3	1294.2	1.9	-	0.001
		<u>Veins & Alt:</u> Mostly fresh +unaltered; 1321.7-1327.7 a few % 1/8" white qtz. veinlets w. bleached selvages + a minor Py at 40°- 60°	24502	1311.5	1312.5	1.0	1/2	0.008
		1327.7 1/2" qtz. in red selvage + minor Py. -60°	24503	1320.2	1321.7	1.5	-	nil
		1350.6 1/2" qtz. - Py + sil'd selvage 45°	24504	1321.7	1323.2	1.5	1/2	0.002
		1311.7? 1 1/2" - 30% lt. grey q.v. min. Py at 45°	24505	1323.2	1325.2	2.0	tr	nil
			24506	1325.2	1328.2	3.0	tr	0.005
		<u>Remarks:</u> 1310.2' - 2' black mafic volc.	24507	1328.2	1333.2	5.0	tr	0.006
		1347.7-1349.0 brown lampophyre dyke.	24508	1333.2	1337.2	4.0	-	nil
			24509	1337.2	1338.2	1.0	1	0.009
1350.5	1353.6	<u>PYRITIC INTERMEDIATE - FELSIC DYKE</u> Dk. grey brown f.g. mainly feldspar; even grained; 5-7% fine evenly diss'd Py.						
		<u>Struct:</u> Cts 45°	24510	1346.2	1350.2	4.0		0.003
			24511	1350.2	1351.2	1.0		0.003
1353.6	1370.8	<u>GREY SYENODIORITE & VEINED. ALTERED SYENODIORITE</u> As above	24512	1351.2	1353.7	2.5	6	0.001
		<u>Struct:</u> Short strongly fract'd sections (veined + altered.)						
		<u>Veins & Alteration:</u> Hairline -1/2" white q.v + minor dusty Py'c parts w. red + lt.grey alt.'d selvages + diss'd Py at 50°-70° as, follows: 1355.7 - 1356.2	24513	1353.7	1355.5	1.8	tr	nil
		1359.7	24514	1355.5	1356.5	1.0	2	0.002
		1364.6-1366.1	24515	1356.5	1360.2	3.7	tr	0.001
		Minor lt. grey calc. here + there.	24516	1360.2	1364.2	4.0	tr	0.002
			24517	1364.2	1365.2	1.0	2	0.038
			24518	1365.2	1366.2	1.0	2-3	0.017
		<u>Min:</u> See veins tr grey metallic in q.v. at 1365.9	24519	1366.2	1368.2	2.0	-	nil
		<u>Remarks:</u> 1369.2-1370.8 Med. grey feldspar porphyry; 1360.2-1364.2 Intrusive bx - 40% mafic volc.						
1370.8	1379.7	<u>MAFIC VOLCANICS.</u> As above, includes at least one dykelet of syendior - volc. probably blocks in syenodiorite						

DIAMOND DRILL HOLE LOG

HOLE No. 97-90

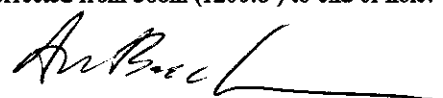
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Ft From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<u>Struct:</u> A little broken core;					
1379.7	1391.2	<u>SYENDIORITE</u> As above - grey to a little pale red <u>Alteration:</u> Weak red staining 1387.8-2" silic'n with diss'd Py Minor fract. controlled red alt'n	24520	1386.2	1389.2	3.0	tr 0.007
1391.2	1496.2	<u>MASSIVE MAFIC VOLCANICS WITH MINOR VOLC.-SYENODIORITE</u> <u>INTRUSIVE BX</u> Dk. grey-green fine even grained H=4, magnetic. 3-5% short sections intrusive bx up to 1' <u>Struct:</u> Mod. to strongly fractured with chl. fractures. Sections broken core here + there throughout section of angular chl'c bx (primary volc. bx?) <u>Alt; & Veins:</u> A few % lt. grey calc. veinlets; minor dk. chl streaks here + there especially in bx zones; 1415.2-1418.7 Pervasive carb. include. calc. + a little pale green mica. <u>Min:</u> 1405 small blebs Cp-Py tr Py here + there.	24521	1415.2	1418.5	3.5	0.019
1496.2	1501.4	<u>GREY SYENODIORITE</u> As above. <u>Struct:</u> Mass. uniform - inclusions at contacts.					
1501.4	1545.3	<u>MAFIC VOLCANICS WITH MINOR SYENDIOR - VOLC. INTRUSIVE BX</u> As above. <u>Struct:</u> Some streaky bx - like struct.; flow structured. <u>Alt; & Veins:</u> A little pale green mica + pervasive carb-(calcite) Dk. chl. here + there in bx zones. <u>Min:</u> Isolated blebs dk. Py.					
	1545.3 feet (471 metres)	<u>END OF HOLE</u>					

DIAMOND DRILL HOLE LOG

HOLE No. 97-91

Pg. 9 of 9

Ft From To	DESCRIPTION	Sample Number From To Length	ASSAYS % Py opt Au
	<p><u>GENERAL COMMENTS:</u></p> <p>(1) 1081.2-1097.8 1/2-3%py in grey altered (carbonate) mafic volc. expected to carry low Au values</p> <p>(2) 1130-1169 Finely bx'd altered syenodiorite is 1-2%Py expected to carry low to medium Au values.</p> <p>(3) 1355.5-1366.2 Thin white qtz. veinlets with red altered + Py 'c selvages, isolated values expected;</p> <p>Note: Error in blocks 363-369 metres - corrected 369m actually 366 metres. Re-logged + corrected from 366m (1200.8') to end of hole. A.W. Beecham 3rd April 1997 </p>		

TYRANEX GOLD INC.

DIAMOND DRILL HOLE LOG

HOLE No.97-92

Property	Tp	Azimuth	Date started	Corrected	Dip	Tests	(°)
TYRANITE	KNIGHT TP	Surf. Grid North	18th Feb. 1997	Depth	Mag. Az	True Az	Dip
Project	Lot & Conc.	354°-30 mine	Date Completed	50'	005°		-43°
MAIN ZONE		Dip	25th Feb.1997	100'	005°		-43°
Claim #	GG5803 (lease)	45°	Drilled by:	364'	011.5°		-42°
	Co-ordinates U/G	Length	St.Lambert Drilling	590'	011°		-42°
Surf. Co-ord	2773.74N/10717.47E	1181.1'		787'	012°		-46°?
2+02N / 8+36W		Collar Elevation	Logged by:	984'	020°		-42°
		9975.46	A.W. Beecham	1181.1'	020°		-42°

Note: Down hole tests by Pajari Instrument

Ft. From	To	DESCRIPTION	Sample			ASSAYS				
			Number	From	To	Length	% Py	opt Au	Cu ppm	Mo ppm
		<u>Objectives:-</u> Drill hole proposed by management to test strong soil anomaly (Au) and test at right angles to komatitic volcanics for Ni-Cu; (Soil anomaly interpreted by AWB as related to tailings pond.)								
0	16'(+/-)	<u>CASING</u>								
16	119.9	<u>COARSE GRAINED DIABASE</u> Med. dk grey m.c.g. f.g. toward lower Ct. Good diabase texture, mod. magnetic. <u>Struct:</u> Weakly fract.'d with lt. grey calc. veinlets.	24527	85.5	86.5	1.0	Cp.	0.002		
		<u>Alteration + Veins:</u> Sections of epidote alteration + epidote qtz.-calcite veins. 86 1/2" calc. epidote with 1% Cp 15° <u>Min:</u> tr Py here + there								
		<u>Remarks:</u> Lower contact gradually chilled over 15' - seams conformable to sediment.								
119.9	153.5	<u>THIN BEDDED SEDIMENT - CHERTY EXHALITE SILTSTONE (FINE TUFF)</u> <u>GRAPHITIC ARGILLITE</u> lt. grey to dk. grey green H=5-7, fine siliceous beds-chert or silic'd siltstone; non-mag. <u>Struct:</u> Thin bedded at 75° to core.Mod. fract.'d strong fracturing in places	24528	120	125	5.0	tr	nil	42	36
		<u>Alt.&Veins:</u> About 1/4 of unit bleached especially along fract. + silicified - probably silty layers. -No sulphides in this silic'n;	24529	125	130	5.0	tr	0.001	70	57
		<u>Min:</u> Py as diss'n in selective beds up to 1/4" blebs, scattered grains + hairline veinlets.	24530	130	135	5.0	1	nil	68	216
			24531	135	140	5.0	1	0.008	47	74
			24532	140	145	5.0	tr-1/2	nil	63	82
			24533	145	147	2.0	3	0.001	194	710
			24534	147	148.6	1.6	4	0.001	398	3670
			24535	148.6	153.5	4.9	1-2	nil.	197	1000
			24536	153.5	158.8	5.3	-	nil	46	884

DIAMOND DRILL HOLE LOG

HOLE No. 97-92

Pg. 2 of 9

Ft From	To	DESCRIPTION	Sample				ASSAYS				
			Number	From	To	Length	% Py	opt Au	ppm Cu	ppm Z	
		<u>Remarks:</u> 119.9 - 147.1 Siltstone in silic'd sections 147.1 - 148.3 Graphitic argillite 148.3 - 153.5 Siltstone + silic'd siltstone									
153.5	158.8	<u>GREY FELDSPAR PORPHYR DYKE</u> Med. - lt. grey 40% 1-3mm white feldspar with feldspar rich matrix. non-mag. <u>Struct:</u> Massive uniform. <u>Veins:</u> Minor lt. grey calcite qtz. up to 1/2'									
158.8	180.3	<u>THIN BEDDED SEDIMENT - CHERTY EXHALITE SILTSTONE GRAPHITIC ARGILLITE' FELDSPATHIC QUARTZITE</u> As above <u>Struct:</u> bedding at 50° to 70°Silic'd sections strongly fractured - some incipient bx'n. <u>Alteration:</u> Strongly silic'n, bleaching of some silty layers; <u>Min:</u> Blebs, streaky beds 'heavy' Py up to 2'(at 195.4) 2 types of Py - light + 'dark' coloured 173- small blebs Cp in calcite veinlet. <u>Remarks:</u> 158.8 - 170.2 Siltstone 170.2 - 174.3 Graphitic argillite 174.3 - 180.3 Massive feldspathic quartzite or tuff.	24537	158.8	160	1.2	8-10	0.038	207	116	
			24538	160	165	5.0	3	nil	316	1200	
			24539	165	170	5.0	2-3	nil	65	554	
			24540	170	174.3	4.3	4-5	nil	408	2970	
			24541	174.3	177.5	3.2	1/2-1	nil	24	56	
			24542	177.5	180.4	2.9	1/2-1	0.001	25	72	
180.3	226.8	<u>MASSIVE - POLYSUTURE JOINTED MAFIC FLOWS</u> Dk. grey - blue green, f. uniform textured, H=4-5 Parts of unit mod. mag. <u>Struct:</u> Mod., Mod. fr'd broken sections 180.3 -210 Chl'c polysuture joints except near contacts; <u>Alt:</u> Bottom 4' bleached + probably carbonated; A few % lt. grey qtz.-carb. veinlets unit maybe pervasively alt; by 'non-fizzy' carb. <u>Min:</u> tr Py on chl'c fract.									

DIAMOND DRILL HOLE LOG HOLE No. 97- 92

Pg.3 of 9

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS			
				From	To	Length	% Py
226.8	273	<p><u>SPECKLED ULTRA MAFIC</u> Black, dk. green, blue-green; Speckled with 2mm remnant olivines(?) chl. carb; minor talc + some serpentine; Mod. mag. only in places (in contrast to strong mag. of serpentinite.)</p> <p><u>Struct:</u>Chl. seams, swirls could be polysuture joints?? Minor broken core; Thin veinlets of carb. asbestos.</p> <p><u>Min:</u>tr Py diss'n here + there; tr Cp on fract. 234.5</p> <p><u>Remarks:</u>264.3 - 265.9 Feldspar porphyry dyke Flakes pale brown mica or talc.</p>					
273	292	<p><u>FRACTURED SERPENTINITE</u> Dk. green-black, mostly f.g. with patches of remnant speckled rock (olivine's) serpentine, carb. chl. Strong mag. throughout.</p> <p><u>Struct:</u>Broken core due to fract. at small angle to C.A.</p> <p><u>Alt. & Veins:</u>Strong serptinized veinlets of carb'd chrysotile</p>					
292	594	<p><u>MASSIVE SERPENTINITE</u> Dk. blue green, indistinctly speckled with 1-2mm remnant olivine's (?) Predominantly fine serpentine - speckled with magnetite on broken surface, + chl. + minor carb; Strongly mag. throughout, speckled ,m.g. - or speckled + foliated below 560'</p> <p><u>Struct:</u>Mostly massive + only weakly fract. Minor broken core here + there. Strong foliation below 575' at 55°- 60°</p> <p><u>Alt. & Vein:</u>Pale green serpentine on slips, carbonatized chrysotile (asbestos). here + there. 431-457' 1-2% chrysotile fibre + carb'd chrysotile; with up to 1/8" fibre veins 471- 1/2 chrysotile fibre vein, - 1/16" - 1/8" chrysotile fibre at 487' + 581.5</p> <p><u>Min:</u>308 tr silver grey metallic on fracture. Isolated tr Py + Cp on fract. c.g. 464.5'</p>					

DIAMOND DRILL HOLE LOG

HOLE No.97-92

Pg. 4 of 9

Ft. From	To	DESCRIPTION	Sample Number	From	To	Length	ASSAYS					
							% Py	Au	Ag	Co	Cu	Ni
		<u>Remarks:</u> Lower Ct gradational.										
594	623.5	<u>SPECKLED U.M. VOLCANIC</u> As above. Strongly mag. <u>Struct:</u> Upper part fol'n at ^60 -. A few dk. chl'c streaks - could be polysuture joints; <u>Alt. & Veins:</u> A little pale green serpentine or lt. grey calcite on fract's. <u>Min:</u> Isolated tr Py Cp - on fract.										
623.5	647.5	<u>MAFIC (OR U.M.) POLYSUTURE JOINTED FLOW(S)</u> Dk. grey-green f.g. H=3-4 mod. mag. Appears to be mainly non-fizzy carb. + chl. (not talcose) <u>Struct:</u> Black clorite streaks and incipient bx - (polysuture joints) <u>Veins:</u> Minor, lt. grey cal.-black chl. veinlets. <u>Alt:</u> Probably pervasive non-fizzy carb. <u>Min:</u> 627.5-634 tr - 1/2 Py +/- Po + tiny films Cp. on fract. + in carb. veinlets. 634-647.5 1/2-1% Py as diss'n + tiny veinlets very minor Po + tr Cp here + there.	24543	622	627	5.0	tr-1/2	nil	.01	100	91	770
			24544	627	632	5.0	tr-1/2	nil	.01	93	87	542
			24545	632	637	5.0	1/2	nil	.01	62	230	241
			24546	637	642	5.0	1/2	nil	.01	43	193	157
			24547	642	647	5.0	tr-1/2	nil	.01	52	196	166
647.5	661.6	<u>INTERMEDIATE OR LAMPROPHYRY DYKE</u> Mottled dk. + lt. grey or lt. grey with dk. chl. spots - mainly fsp. + chl'd mafics (amphibole) Mod. mag. in places. H=5 <u>Struct:</u> Weakly fract'd, a little broken core. Lower Ct at 60° <u>Alt:</u> Mottling + bleaching <u>Min:</u> tr-1/2% diss'd Py, tr Cp. here + there <u>Remarks:</u> Small dykelets Molly Creek diorite here + there	24548	647	652	5.0	1/2	nil	-	-	-	-
661.6	696.3	<u>GREY FELDSPAR PORPHYRY</u> Lt. grey 50 - 65% 1mm-8mm feldspar phenocrysts; fine dk. grey matrix; Non-mag.										

DIAMOND DRILL HOLE LOG

HOLE No.97-92

Pg. 5 of 9

Ft. From	To	DESCRIPTION	Sample			ASSAYS			
			Number	From	To	Length	% Py	opt Au	
696.3	745.5	<p><u>Struct:</u> Mostly massive + unfractured veind sections shattered + recemented. Minor broken core.</p> <p><u>Alt. & Veins:</u> Minor white qtz. + qtz. bx. veinlets up to 1" + grey, diffuse <dic'n fine Py in selvages + altered sections; 688.5 tr MoS₂</p> <p><u>DIABASES OR METADIABASE</u> Dk. grey to grey brown medium grained, diabasic texture. Feldspar, some of mafics alt. to brown mica (phologophite?) Mod. mag.</p> <p><u>Struct:</u> Massive to weakly fractured with lt. grey calcite cement.</p> <p><u>Alt. & Veins:</u> Pyroxenes partly altered to mica (or metamorphosed) Minor lt. grey calcite. 720.5 - 1/4-1/2 white qtz. fsp. veinlet.</p> <p><u>Min:</u> tr - 1/2% diss'd Py - tr Cp hre + there;</p> <p><u>Remarks:</u> 738.2-745.5 - foliated + more micaceous - deformed diabase or separate intrusive; 718.5-728.3 - Core mixed up + not completely sorted;</p> <p><u>SPECKLED U.M. FLOW(S)</u> Dk. blue grey. med. grained (speckled) to coarse grained. gabbro-like; Relatively hard only weakly talcose, strongly mag.</p> <p><u>Struct:</u> Thin dk. chl. 'seams' 758 - downward - close spaced curved dk. seams - polystructure jointing or bx or pillows;</p> <p><u>Veins & Alt:</u> Relatively fresh + unaltered. Minor lt. grey calc. + pale green serpentine veinlets;</p> <p><u>Min:</u> Isolated tr fine Py</p> <p><u>Remarks:</u> Bottom 3' probably mafic volc. 776.5 - fracture at 20° with graphite</p>	24549	661.5	665.5	4.0	1	nil	
			24550	665.5	666.5	1.0	2	0.017	
			24551	666.5	667.5	1.0	3	0.033	
			24552	667.5	671.0	3.5	tr	nil	
			24553	671.0	676.0	5.0	tr	0.002	
			24554	676.0	680.0	4.0	tr	0.037	
			24555	680.0	682.5	2.5	1	0.005	
			24556	682.5	685.5	3.0	1	0.017	
			24557	685.5	686.5	1.0	1	0.085	
			24558	686.5	687.5	1.0	2	0.032	
			24559	687.5	690.0	2.5	tr	0.001	
			24560	690.0	693.0	3.0	tr	nil	
			745.5	779.8					

DIAMOND DRILL HOLE LOG

HOLE No.97-92

Pg. 6 of 9

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
779.8	784.5	<u>SYENODIORITE - DIORITE DYKE</u> Lt. grey - 25% mafics, Mod. fractured. <u>Veins + Min:</u> Minor lt. grey calc. + diss'd Py at bottom.	25461	783	785.5	2.5	1/2	nil
784.5	848.0	<u>DIABASE - METADIABASE (GABBRO)</u> Dk. grey med. coarse grained vein textured, or coarse + gabbro-like; indistinct diabasic texture, + a little brown mica in sections. Mod. to strong mag. <u>Struct:</u> Weak fabric (foliation) developed in places. Weakly to mod. fract. <u>Alt. & Veins:</u> Minor lt. brown silification + sdiss'd Py as 824.5 2-3% lt. grey cal. veinlets. <u>Min:</u> tr-1/2% diss'd + scattered grains of Py.	24562	824	826	2.0	1	0.001
848.0	854	<u>ALTERED METADIABASE GABBRO QUARTZ VEINS</u> As above, dk. green - strongly mag. <u>Struct:</u> Strongly fract.'d at 20°- 30° with white qtz. + lt. grey cal. <u>Alt. & veins:</u> 5-8% lt. grey -white q.v. (20° -30°) pale brown silification + diss'd fine Py in selvages up to 5% over 2"; a few calc.-epidote veinlets; <u>Min:</u> See Alt. & Veins: <u>Remarks:</u> 798.4-800 Porphyritic syenodiorite dyke	24563	846	848	2.0	tr	nil
			24564	848	851	3.0	2	0.017
			24565	851	852.2	1.2	2	0.037
			24566	852.2	854	1.8	tr	0.001
854	893.2	<u>METADIABASR - GABBRO</u> As above 784-848' mostly c.g. Relatively massive, as obvious metamorphic fabric; A few c.g. - pregratoidal sections. <u>Veins & Alteration:</u> A few % lt. grey calc. - epidote veinlets; 863.5-865' - 5% lt. grey calc. + white qtz. veinlets. with altered + pyritic selvages-veins at 30°. <u>Min:</u> tr diss'd Py	24567	863.5	865.0	1.5	1	0.005
			24568	891	893.3	2.3	-	nil
983.2	919.7	<u>SHEARED ALTERED MAFIC (METADIABASE) TO QUARTZ VEINS</u> Dk. green, f.g. most relatively soft mostly non-mag.						

DIAMOND DRILL HOLE LOG

HOLE No. 97-92

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Ft From	To	DESCRIPTION	Sample Number	From	To	Length	ASSAYS						
							%Py	%Cp	opt Au	Cu ppm	Mo ppm		
		<u>Struct:</u> Mod. strong foliation - schistosity at 895 - 20° 900 - 135° 905 - 30° 910 - 150° 915 - 40° 920 - 20°											
		Folding on scale of 5-10ft. + tight c along schistosity + fract.											
		<u>Alt. & Veins:</u> Mafics chl'd throughout, a little hornblende remaining. Short sections - fracture controlled lt. brown grey silic'n with diss'd Py, sections from 1" to 1' make up 5-10% of unit. Pervasive cal. + a few % lt. grey calc. veinlets + partings here + there. Lt. grey, wispy - controlled q.v. up to 1" to 2" thick make-up 5-8%. Some veins have short contacts + other have 1/2" -2" Py rich (25%) silic'd selvages 915.5-917 1-2" white qtz. - contorted + // to core + Py + Cp.											
		<u>Min:</u> See Alt. & Veins. Strong Py diss'n up to 15-20% over 3-5" in sil'n + vein selvages; Specular hem films (1%-1') on slips at 908'. 905.4 - films soft, grey, metallic;											
		<u>Remarks:</u> A little graphite on slips at 909 (only low values expected because pervasive calcite + hem.)											
919.7	954.2	<u>LIGHT GREY - WHITE QUARTZ VEINS WITH MINOR SHEARED MAFICS</u> Mostly lt. grey-white fractured + incipiently bx'd qtz. with minor white qtz. with wallrock frags; A few sections + partings black chl. schist;											
		<u>Struct:</u> 922' - 1-2" white qtz. bx vein at 0° - 5° 928' - 15' schists - vein contact. 932' - contorted 0 934' - 160 938' - 20 946' - 50 954' - 145											
		Fine 'stylalite-like structures with dk. grey metallicor chl.											
		<u>Min:</u> Scattered grains blebs 'splashes' bx filling Cp. lesser Py up to 2cm. Thin films 'stylelites molybdoirite (?) on contacts + within q.v. 1/2-1%											

DIAMOND DRILL HOLE LOG

HOLE No. 97-92

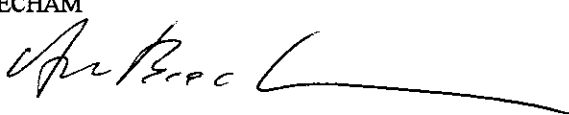
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Ft From	To	DESCRIPTION	Sample Number	ASSAYS					
				From	To	Length	% Py	opt Au	ppm Cu
		throughout some 'sooty' moly. Minor specular hem. on fract. <u>Remarks:</u> 921-924 - 1-2" white qtz. bx vein nearly // to core. 928.5-933.8 -chl. schist - sheared metadiabase; 944-945.3 - chl. schist - sheared mafic volc.							
954.2	965.2	<u>ALTERED METADIABASE - OR MAFIC VOLCANIC</u> Med. grey, med. to f.g.; mod. mag. intermittently. <u>Struct:</u> Strongly fract. with qtz. + cal. cement. <u>Alt; & Veins:</u> 955-956.7 - 1" (+) white qtz. with minor Py Cp. Moly // to core. Minor lt. grey q.v.; lt. grey calc. with diss'd Py.	24601 24602 24603	954.2 957.0 962.0	957.0 962.0 967.0	2.8 5.0 5.0	1 - -	nil 0.001 0.001	103 159
965.2	983.8	<u>MATADIABASE (MAFIC - VOLCANIC) - COARSE GRAINED</u> <u>SYENODIORITE INTRUSIVE BX</u> As above - syenodiorite relatively coarse grained - 60% metadiabase - 40% syenodior <u>Alt; & Veins:</u> Minor thin q.v. on upper part - elsewhere minor lt. grey calc. <u>Min:</u> tr diss'd Py							
983.8	992.5	<u>COARSE GRAINED SYENODIORITE (MOLLY CREEK INTRUSIVE)</u> As above.							
992.5	999.8	<u>COARSE GRAINED DIORITE -GABBRO</u> Dk. green - grey - grain size - 4mm; 65% pyroxane 35% fsp. tr diss'd Py							
999.8	1024.2	<u>MASSIVE U.M. - MAFIC FLOWS</u> F.g. dk. blue grey, fine, felty texture - slightly talcose <u>Struct:</u> A few thin black chl. filled joints. <u>Min:</u> Isolated tr Py							
1024.2	1068	<u>PORPHYRITIC SYENODIORITE (MILLY CREEK INTRUSIVE)</u> Med. grey, to pale green (where epidotized) 15-20% 3-6mm anhedral fsp. with relatively fine (<0.5mm) matrix - 35% mafics, mod.mag.							

DIAMOND DRILL HOLE LOG

HOLE No.

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Ft From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<p><u>Struct:</u>Massive; a few% 1"-2" Mafic inclusions.</p> <p><u>Alt:</u>Minor lt. grey calc. veinlets streaks + veinlets epidote + calc.</p> <p><u>Remarks:</u>1057. - 1060 med. fine grained metadiabase - phase of Milly Creek intrusive.</p>					
1068	1085	<p><u>PORPHYRITIC METADIABASE (MILLY CREEK)</u> Med. grey-green, med. fine 0.5 - 1mm. weakly mag. 2-4%, 4-8mm fsp. phenocrysts. Minor mafic incl.cut by diorite-gabbro dykelets</p> <p><u>Struct:</u>Indistinct Ct's with gabbro-diorite</p> <p><u>Alt;& Veins:</u>Patches, veinlets epidote with grey calc. + tr Py</p>					
1085	1107.2	<p><u>COARSE GRAINED DIORITE - GABBRO</u> As above. 992.5-999.8</p>					
1107.2	1181.1	<p><u>MED. - FINE GRAINED SYENODIORITE</u> Med. - dk. grey - grain size ^1mm Sparse 2mm - 3mm feldspars; A few % 2-6mm mafic inclusions - mod. strongly mag.</p> <p><u>Struct:</u>Most is weakly fract. veined zone 1149-1156 is strongly fract. + minor broken core.</p> <p><u>Veins & Alt:</u>Minor lt. grey calc.+ epidote 1151.3 - 1154 30% lt. grey calc. qtz. epidote veins at 50°</p>	24604	1151.3	1154.0	2.7	- nil
1181.1		<p><u>END OF HOLE</u></p> <p><u>GENERAL COMMENTS.</u> (1) 893.2 - 954.2 Quartz vein system with Py. Cp + Moly -at small angle to core. Not expected to carry good values; New vein system not previously recognized.</p> <p>A.W.BEECHAM 28/2/97</p> 					

Tyranex Gold Inc. DIAMOND DRILL HOLE LOG HOLE No.97-93

Property	Tp	Azimuth	Date started	Corrected	Dip	Tests	Dip^(°)
TYRANITE	KNIGHT TP	180°surf grid	26th Feb. 1997	158'	87°		43°
Project	Lot & Conc.	(174.5°mine grid)	Date Completed	354'	189°		42°
		Dip	3rd Mar.1997	591'	196°		42°
Claim # 1217815 and	Co-ordinates:	-45°	Drilled by:	788'	198°		41°
GG 5803 (lease)		Length 1299.2'	St.Lambert	984'	198°		37°
Surface Grid #	Mine U/G Grid	Collar Elevation	Logged by:	1180'	200°		37°
11+13N/12+52W	3628.22N/10122.09E	9945.97 FT	A.W. Beecham				

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS										
				From	To	Length	% Py	opt/Au	Ag	Co	Cu	Ni	Zn	
		OBJECTIVES: To test soil Au anomaly and volcanic sequence for Cu-Ni; Drill hole proposed by management; Soil anomaly may be due to tailings contamination, A.W. B 27/02/97 <u>Note:</u> 1997 samples of 24000 group are "Series R". The 1996 samples of 24000 group are "Series K"												
0	37.2	<u>CASING:</u>												
37.2	135	<u>DIORITE</u> Med-grey grains size 1-3mm granitoid to randomly oriented fsp. laths; 40% mafics, mod., uniformly mag. <u>Struct:</u> Massive uniform -minor broken core here + there. <u>Veins:</u> Minor thin lt. grey calc. +/- epidote. <u>Remarks:</u> Lower part contain small f.g. mafic inclusions. Lower contact gradational - arbitrary.												
135	175	<u>MED-GRAINED SYENODIORITE</u> med. lt. grey, some pink fsp - 20% mafic remainder felspar. Scattered small f.g. mafic inclusions; mag. <u>Alt.& Veins:</u> inor lt. grey calc. + calc.-epidote veinlets. 168' - tr Py + Cp 1/8" epidote - calc. veinlet.												
175	182.5	<u>FRACTURED M.S. SYENODIORITE</u> As above <u>Struct:</u> Strongly fract. with broken core through - oxidized fractures.												

DIAMOND DRILL HOLE LOG HOLE No. 97-93

Ft From	To	DESCRIPTION	Sample			ASSAYS								
			Number	From	To	Length	% Py	opt Au	Ag	Co	Cu	Ni	Zn	
		<u>Veins & Alteration</u> :mod. - strongly epidotized												
182.5	211.3	<u>MEDIUM GRAINED DIABASE</u> As above.												
		<u>Struct</u> :Mod. fract'd with lt. grey calc. cement.	24605	205	208	3.0		nil						
		<u>Alt. & Veins</u> :205.3-210.5 1/8" grey red altered selveg - affects 2.5% of section.	24606	208	211.3	3.3		nil						
211.3	353.5	<u>FINE GRAINED DIABASE</u> Dk. grey + green; ophitic texture grain size < 1mm to 1mm laths; Fine dk. speckling (magnetic) strong mag. except at Cts.												
		<u>Struct</u> :Massive uniform upper Ct 40° lower Ct at 50° - well chilled.												
		<u>Alt</u> :Very fresh + unaltered. Minor calc. epidote at 287; 300: - Minor blebs c.g. white qtz.												
		<u>Remarks</u> :349.5 - 350.5 syenodiorite												
353.5	401.3	<u>MEDIUM GRAINED SYENODIORITE</u> As above												
		<u>Struct</u> :Massive uniform												
		<u>Alt. & Veins</u> :Minor epidote alt. 390.0 - 1/2" lt grey qtz - red altered selvage + diss'd Py 55°	24607	389.2	390.5	1.3		Nil						
		<u>Remarks</u> :388.2 -389.3 - feldspar porphyry dyke.												
401.3	406.1	<u>PORPHYRITIC SYENODIORITE (OR FELDSPAR PORPHYRY)</u> Med. grey , m.g. matrix 15% 3-5 mm feldspar. mod. mag. (probably phase of Milly Creek rather than later F.P. as it is mag.) F.G. -mafic inclusions												
406.1	412.7	<u>QUARTZ VEIN ZONE WITH ALTERED MAFIC VOLCANICS</u> Med. grey dk. grey fine alt. mafic rock. - could by partly mafic dyke; non-mag.												
		<u>Struct</u> :Shattered + recemented 1-2" gouge + bx (small "break" at bottom at 60°												

Ft. From	To	DESCRIPTION	Sam No.	From	To	Leng	% Py	ASSAYS						
								Au, Ag, opt	Co	Cu	Ni			
		<u>Veins & Alt:</u> 406.3 2" pink c.g. calc + 1/4" q.v. at 45° 407.4 - 410.3 Mottled white + lt. grey c.g. qtz. 2 1/2" + 1" at 10°/to core + fine q.v. stockwork with up to 8% diss'd Py in intensivel't sil'n + carb. walrock 410.7 1" white grey q.v. 60° About 1% Moly in q.v. as small wisps tr Cp.												
		<u>Remarks:</u> 410.8 - 412.7 Intensely bleached carb'd (calcite) c.g. mafic	24608	404	406.2	2.2		nil						
			24609	406.2	407.4	1.2	tr	0.002						
			24910	407.4	409.0	1.6	3	0.006						
			24611	409.0	410.8	1.8	5	0.003						
			24612	410.8	412.7	1.9		0.001						
412.7	437.6	<u>MAFIC VOLCANICS WITH BANDED EXHALATIVE PYRITIC LAYERS & DIORITIC DYKES</u>												
		Dk. grey green f.g. mag. volc. in syenodiorite + c.g. diorite dykes. Dykes make up - 30% - from 0.5' to 5'	24613	412.7	417.2	4.5		nil	0.01	41	113;	178		
			24614	417.2	418.2	1.0	5	0.002	0.01	68	1340;	433		
		Banded interflow sediment - dk. grey green with up to 1" semi-massive Py, tr Cp. as follows: 417.2 - 418.1	24615	427.3	428.5	1.2	3	0.001	0.01	89	1510;	142		
		427.3 - 428.3	24616	428.5	431.0	2.5	-	nil	0.01	44	313;	47		
		431.3 - 435.5	24617	431.0	432.3	1.3	3	0.001	0.01	67	875;	91		
			24618	432.3	435.5	3.2	4-5	0.002	0.01	231	1410;	373		
		<u>Remarks:</u> 419 -425.5 m.g. porphritic syenodiorite Unit probably very coarse intrusives bx with volc. blocks in diorite.												
437.6	573	<u>MASSIVE MAFIC VOLCANICS</u> Dk. grey-green f.g. in a few m.g. sections. Strongly mag. <u>Struct:</u> Generally massive,Joint'g with black chl. here + there. c.g. 486', 500' -564' Only weakly fract'd - Flow struct.'d near 'bottom' <u>Veins & Alt:</u> No signif. alteration; Minor lt. grey calc; a little epidote; weak fabric - foliation at ~65° around 520' 497.4-498.1 mottled white + grey c.g. qv. - true thickness 0.4' at 30° + 50° in streaks wisps moly (2%) + minor Py slip on lower - 1" calcite - Py selvage on upper side. 512.3 1 1/4" mottled white-grey q.v. 50° <u>Min:</u> Minor diss'n up to 1% over 1' Py here + there - primary looking Py not associated with veins or alt;												
			24619	495.8	497.2	1.4	tr	nil						
			24620	497.2	498.2	1.0	1-2	0.010						
			24621	498.2	499.2	1.0	tr	nil						
			24622	511.8	512.6	0.8		nil						

DIAMOND DRILL HOLE LOG

HOLE No.97-93

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Ft. From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
573	614.7	<u>COARSE GRAINED MAFIC VOLCANIC -GABBRO</u> Adk. green coarse to very coarse grained 'varied' texture; Grades into a few short f.g. sections, strongly mag. <u>Structure:</u> Only weakly fractured. <u>Veins & Alteration:</u> No significant alt. minor lt. grey calcite or calc-epidote here + there. 579.6 1" calc. alt'n + 5% Py minor qtz. 599 -1" blebby qtz. at 40°; 599.5 - 1" -5% Py 601 - 603.2 diss'd Py with q.c. veins + calc. alt'n <u>Min:</u> Sparse, streaks blebs + Py c.g. 578.5						
			24623	578.5	580	1.5		0.002
			24624	598.7	599.7	1.0	1	0.001
			24625	599.7	602.0	2.3	1	nil
			24626	602.0	603.3	1.3	1	0.003
614.7	631.9	<u>MAFIC VOLCANIC - SYENODIORITE INTRUSIVE BX</u> 65% f.g. dk. green mafic flow with dykes m.g. syenodiorite from 2" to 5' sections of angular mafic clasts 1-4" intrusive; Both volc. + syendior strongly mag. <u>Struct:</u> Mod. strong fract'd with lt. grey calc. cement. top 2' has schistosity developed at 75° <u>Veins & Alteration:</u> 615.5 - 616.2 lt. grey calc. bx vein + dk. red carb. streaks 621.4 - 75% white qtz. minor Py over 3" at 45°						
			24627	615.2	617.4	2.2	tr	0.003
			24628	622	623	1.0	tr	0.001
631.9	830.1	<u>MEDIUM GRAINED SYENODIORITE - DIORITE</u> Med. grey - green, avg. grain size 1-2mm weakly f.s.p. pheric mag. small f.g. mafic inclusions <u>Struct:</u> Few fractures. <u>Veins & Alt:</u> A little epidote here + there 662.5 1/2" lt. grey qv. minor Py tr Cp moly + minor red alt. + Py 666.5 3" grey + pink calc. - 70° 751.7 2" smokey qtz. tr Py Cp 752.3 2" smokey qtz vein Cp + moly 45° 756 2" strong red alt'n + calc + 4% Py 759 1/4" qv. minor red alt. + tr Py 768.7 1/2 white qv. 45°						
			24629	662	663	1.0	1/2-1	nil
			24630	750.5	751.5	1.0	-	nil
			24631	751.5	752.5	1.0	2	0.002
			24632	752.5	755.5	3.0	-	nil
			24633	755.5	756.5	1.0	3	nil
			24634	756.5	758.5	2.0	-	nil
			24635	758.5	759.5	1.0	tr	0.001

DIAMOND DRILL HOLE LOG

HOLE No.97-93

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Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
		773.8 - 775.1 - 4 white qtz. vein + calcalc. red alt'n + diss'd Py selvage + coincident calc. epidote vein 0° - 45°	24636	768.2	769.2	1.0	tr	nil
		<u>Remarks:</u> 720.5 - 723.5 mafic volc. inclusions	24637	773.6	775.3	1.7	1/2	0.008
		77 - 778 inclusions mafic volc. with remnant spinifex texture	24638	795.2	796.2	1.0	-	nil
		800 - 807.8 Med. f.g. phase or dyke with mafic phenocrysts	24639	796.2	797.2	1.0	2-3	0.001
		-Cts appear gradational	24640	797.2	798.2	1.0	-	nil
		<u>Min:</u> tr Py here + there with calc. veinlets.						
830.1	834	<u>FRACTURED COARSE GRAINED FELDSPAR PORPHYRY DYKE</u> 40-50% 2-7mm euhedral feldspar in dk. grey matrix Lower Ct banded at 40° tr diss'd Py						
834	869.0	<u>MASSIVE MAFIC (?) VOLCANIC</u> Dk. grey green, slight brown hue, fine - medium grained Fine 'felty' texture green min. - probably mainly amphibole, feldspar + possibly a little biotite; strongly mag; <u>Struct:</u> Massive to banded foliated at 40°. <u>Veins:</u> 846 - 3/4 pyrite qtz. + feldspar 35° 847.2 1/2" grey qv. 851 - 1/2" 'cherty' grey qtz - vein 65° no alt'n diffuse Py in wallrock.	24641	850.5	852.5	2.0	1/2	nil
		<u>Remarks:</u> Lower Ct gradational - cabritary*						
869.0	968.5	<u>COARSE GRAINED MAFIC VOLCANIC</u> As above unit, but c.g. + flecked with small white feldspar - strongly mag. coarse diabasic to varied texture. <u>Struct:</u> Very few fractures. Lower contact broken - probably faulted A little foliation c.g. 879 at 35°; 954 at 45°; <u>Alteration & Veins:</u> Fresh + unaltered Minor epidote alter'n. 916.6 - 1 1/2" grey banded qv + Py tr Cp, moly. at 45° 936.9 3/4" + 1/4 grey banded qv Py tr moly 60° <u>Min:</u> tr diss'd Py	24642	916.2	916.8	0.6	2	nil
			24643	936.7	937.2	0.5	1	nil

DIAMOND DRILL HOLE LOG

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Ft. From	To	DESCRIPTION	Sample Number	From	To	Length	%Sulph	opt			ASSAYS		ppm		ppm Zn
								Au	Ag	ppm Co	ppm Cu	ppm Ni			
		<u>Remarks:</u> Finer grained but not chilled near lower Ct. 956.5 - 960 F.g. section no obvious contact 962.5 - 964													
968.5	979.5	<u>ALTERED (CARBONATIZED) U.M. VOLCANIC</u> Pale green, blotchy, mottled, med. dk. grey, very soft - mainly carb. include calc + talc + minor chl. <u>Struct:</u> Upper part black chl. filled joints. Lower part 2mm thick dk. bands - foliation or remnant spinifex texture -968.5 - 971 broken - 0.5' lost (?) core + gouge marks small fault. <u>Alteration:</u> 973.0 - 976.5 Intense green carb. 976.5 - 979.5 strong calcite alteration Minor calcite veinlets. <u>Min:</u> Pa - Py streaks - up to 3/4 " S.M. sulphides (at 973.7') thin veinlets, sparse diss'n; Tr - 1/2 acicular brassy mineral (millerite) in fractures + slips from 975 - 979.5 (m= millerite?)	24644	968.5	971	2.5	-	nil	0.01	32	11	508	126		
			24645	971	973.4	2.4	-	nil	0.01	20	426	790	74		
			24646	973.4	975.0	1.6	3	nil	0.01	134	130	975	28		
			24647	975.0	977.0	2.0	1 (m)	nil	0.01	100	114	517	24		
			24648	977.0	982.0	5.0	tr (m)	nil	0.01	102	14	1690	47		
979.5	1000.7	<u>SPECKLED SERPENTINITE</u> Dk. green black, saff, streaky, speckled 2mm remnant olivine crystals strongly mag. Serpentine, talc chl. <u>Struct:</u> Streaky banding, foliation at 45° <u>Alt. & Veins:</u> Minor lt. grey calc. veinlets. <u>Min:</u> tr Py here + there, tr - 1/2% f.g. accicular, brassy min. on fract. + slips - probably millerite. 979.5 - 996') (m=millerite)	24649	982.0	987.0	5.0	tr (m)	nil	0.01	105	10	2070	52		
			24650	987.0	992.0	5.0	tr (m)	nil	0.01	91	7	2010	61		
			24651	992.0	997.0	5.0	tr (m)	nil	0.01	101	102	220	72		
			24652	997.0	1001.0	4.0	-	nil	0.01	86	42	1770	72		
								m =	possible millerite						
1000.7	1012	<u>MASSIVE MAFIC U.M. FLOW</u> F.g. dk. grey-green strongly mag. <u>Structure:</u> black chl. polysuture joints. <u>Min:</u> tr - 1/2% diss Py +/- Po Minor veinlets of Po, streaks blebs Po up to 10%/2" at 1010.5'	24653	1001	1006	5.0	1/2-1	nil	0.01	84	44	1160	63		
			24654	1006	1011	5.0	1/2-1	0.001	0.01	83	379	923	77		

DIAMOND DRILL HOLE LOG

HOLE No. 97-93

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Ft From	To	DESCRIPTION	Sample Number	From	To	Length	opt			ASSAYS			
							% Py	Au	Ag	Co	ppm		ppm
										Cu	Ni	Zn	
1012	1056.7	<u>SPINIFEX TEXTURED ULTRA MAFIC (OR MAFIC) FLOWS</u> Dk. grey-green, f.g. sections alternating; spinifex has 5mm to 20mm acicular mafic - stubby pyroxene (?) + abundant fsp (?) Mostly non-mag. <u>Structure:</u> Relatively undeformed + only weakly fractured; <u>Veins:</u> Minor lt. grey qtz. feldspar 'veinlets' up to 1/4" Minor small lt. grey qtz. veinlets. 1054.9 2" bx'd lt. grey qtz. + chl. <u>Min:</u> Scattered grains, lean diss'n Py.	24655	1024	1029	5.0	tr-1/2	nil	0.01	33	162	104	44
	*	<u>Remarks:</u> 1055-1056 * f.g. diabase dyke at 45° with a little gouge at contacts. Lower Ct uncertain;	24656	1054.8	1057.2	2.4	tr	0.001	0.01	127	453	1010	71
1056.7	1079.6	<u>MASSIVE MAFIC (OR U.M.) VOLCANIC.</u> Med. dk. grey-green, f.g. mod mag. H=4 - 5 Dk. green min. some fsp. <u>Structure:</u> Massive + uniform or with black chl'c joints. <u>Alt. & Veins:</u> 1061.3-1061.8 white banded qv with minor Py-Cp+ Moly at 50° Minor Chl. seams veinlets. <u>Min:</u> blebs, streaks, clusters Py + a little Po(?) <u>Remarks:</u> Lower Ct arbitrary. Minor 1-2" dykes of diorite;	24657	1057.2	1058.2	1.0	5	0.001	0.01	37	278	247	65
			24658	1058.2	1061.0	2.8	tr	nil	0.01	42	483	402	76
			24659	1061.0	1062.0	1.0	1	nil	0.02	24	408	305	53
			24660	1062.0	1067	5.0	1	nil	0.01	41	154	134	95
			24661	1067	1072	5.0	1	nil	0.01	36	135	118	100
			24662	1072	1077	5.0	1-2	nil	0.01	35	140	156	88
			24663	1077	1082	5.0	1-2	nil	0.01	39	207	136	85
1079.6	1104.0	<u>MASSIVE MAFIC VOLCANICS??</u> Med. dk. grey, f.g. feldspar + fine dk. green mafics - only weakly mag. <u>Structure:</u> Sections with black chl'c veinlets that look like polysuture joints (in komatiites) Minor broken core. <u>Alteration & Veins:</u> 1089.8 - 1" c.g. calcite qtz. at 80° Minor bleaching + mottling. <u>Min:</u> Clusters of coarse grains streaks coarse diss'n + dk. Py (some Po?) Core of sulphates up 5%/4"	24664	1082	1087	5.0	1-2	nil	0.01	47	123	242	104
			24665	1087	1092	5.0	1	nil	0.01	45	143	160	97
			24666	1092	1097	5.0	1-2	nil	0.01	44	95	301	93
			24667	1097	1102	5.0	1	nil	0.01	44	118	124	95
			24668	1102	1104	2.0	1/2	nil	0.01	34	87	121	125
			24669	1104	1107	3.0	12	nil	0.01	53	283	220	162
			24670	1107	1109.5	2.5	1	nil	0.01	35	89	127	107

DIAMOND DRILL HOLE LOG


HOLE No.97-93

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Ft From	To	DESCRIPTION	Sample Number	ASSAYS		
				From	To	Length
		<p><u>Remarks:</u> Colour + structure similar to about komatiites, but contains abundant fsp. 1079.6 - 1080.7 Fine fragmental with 1-2mm white felspar + 1-3cm clasts of adjacent rock - could be crystal -lithic tuff. Lower Ct is apparent sediments uncertain;</p>				
1104.0	1117.0	<p><u>SILTSTONE ? WITH CRYSTAL TUFF?</u> Med. dk. grey-green, hard mostly feldspar rich; weakly mag.</p> <p><u>Structure:</u> Thin streaky colour banding seperated by massive sections banding (bedding) at 40°, 20° at bottom;</p> <p><u>Alteration & Veins:</u> a few % black chl. veins, mostly 1mm -2mm thick;</p> <p><u>Min:</u> 1104-1109.5 streaks blebs coarse diss'n</p> <p><u>Remarks:</u> 1110.4 - 1112.2 massive feldspathic fragmental (same as 1079.6 - 1080.70) 1-2mm feldspars + coarse f.g. mafic frags. - tuff.</p>				
1117.0	1139.3	<p><u>MASSIVE MAFIC VOLCANIC - (OR INTRUSIVE?)</u> Dk. grey green f.g. H=4-5; Mod. mag. in places; feldspar + hornblende or pyroxene</p> <p><u>Veins & Alteration:</u> Minor lt. grey calcite veinlets. Minor bleaching + indistinct chl. spotting.</p> <p><u>Remarks:</u> Lower Ct poorly defined</p>				
1193.3	1148	<p><u>BLEACHED LIGHT GREY MAFIC (OR INTERMEDIATE)??</u> Lt. grey f.g. mostly fine felspar, hard.</p> <p>Lower contact - interlayered grades into metadiabase</p>				
1148	1176	<p><u>COARSE GRAINED METADIABASE</u> Dk. green 2-3mm grain size distinct diabasic texture, strongly mag.</p> <p><u>Structure:</u> Massive, uniform.</p> <p><u>Alteration:</u> Streaks veinlets epidote from 1161 - 1171</p>				
1176	1299.2	<p><u>FINE GRAINED (LATE) DIABASE</u> Dk. grey green, fine contacts to m.g. centre ophitic texture, strongly mag. Middle part speckled with fine magnetite.</p>				

DIAMOND DRILL HOLE LOG

HOLE No. 97-93

Ft From To	DESCRIPTION	Sample Number From To Length	ASSAYS % Py opt Au
1299.2 FT (396m)	<p><u>Structure:</u> Upper contacts well chilled at 25° - Very gradual chill suggest dyke at small angle to core. Bottom 10 - 15 chilled; 1295' Inclusion with chilled Ct nearly // to core + appears bottom of hole just short of contact of dyke.</p> <p><u>Veins:</u> Minor calc - epidote vein here + there - with tr Cp at 1188.5</p> <p><u>Remarks:</u> Appears to be north south late diabase;</p> <p><u>END OF HOLE.</u> A.W.Beecham March 1997 </p>		

Property	TP	Azimuth	Date started	Corrected	Dip	Tests	(°)	Location Sketch
TYRANITE	Tyrrell & Knight TP	354.30° 00°surface	3rd Mar. 1997	Depth	Mag. Az	True Az	Dip	
Project	Lot & Conc.	Dip	Date Completed	197'	005°		45°	
		45°	7th Mar. 1997	394'	007°		44°*	* read by driller
Claim #	GG5804 (lease)	Length	Drilled by:	590'	012°		46°	
	GG5803 (lease)	1250.0 FT	St.Lambert	787'	014°		46°	
Surface Grid #	U/G Co-ordinates	Collar Elevation	Logged by:	984'	017°		46°	
4+78S/7+12W	2100.28N/10817.04 E	10045.48'	A.W. Beecham	1180'	025°		46°	

Ft. From	To	DESCRIPTION	Sample			ASSAYS			
			Number	From	To	Length	% Py	opt Au	Mo ppm
		OBJECTIVE: Test 1987 Au in soil anomaly and komatiitic volcanics for Ni, Cu							
0	5.0	<u>CASING</u>							
5.0	33.8	<u>FRACTURED, SPECKLED ULTRA MAFIC VOLCANIC</u> 35% black 1mm spots on lt. grey (dry) matrix (wet surface almost black). In some places; blkmatrix seams to be matrix + lt. grey to form spots. H=4-5; strongly magnetic. Black matrix is chl. + magnetic. + lt. grey material which is black in fract'd surface is probably serpentine. <u>Structure:</u> Strongly fract'd to prominent fract. nearly // to core, slickensides & a little gouge here + there; broken throughout. <u>Veins:</u> Thin layers serpentine on fract. Minor calcite veinlets + films on fractures <u>Min:</u> Limonite in fractures + tr Py <u>Remarks:</u> Speckling may be remnant olivine crystals.							
33.5	88.0	<u>SPECKLED POLYSUTURE JOINTED U.M. VOLCANIC</u> As above. <u>Structure:</u> curved, bun-like structures or indistinct bx with black veins tp lt. grey edges; probably polysuture joints & suggest unit is a flow(s) <u>Veins:</u> Pale serpentine on fractures minor calcite veinlets <u>Remarks:</u> 80-88 f.g. massive ultra mafic.							
88.0	98.0	<u>GREY FELDSPAR PORPHYRY DYKE</u> 20% 0.5 - 2mm subhedral fsp in med. grey matrix; non-mag. (post Milly Creek intrusive)							

DIAMOND DRILL HOLE LOG

HOLE No. 97-94

Pg. 2 of 9

Ft From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<u>Structure:</u> Massive uniform upper Ct broken; Lower Ct + 1' broken core + gouge; dyke may mark a fault; Cts appear to be at 10° - 20°					
		<u>Min:</u> tr diss'd Py					
98.0	105.5	<u>MASSIVE FINE GRAINED U.M.</u> Med. blue grey,f.g. H=4 Mag; No apparent feldspar. Fine green minerals - some chl. + carb.					
		<u>Structure:</u> mod. fract'd.					
		<u>Min:</u> tr Po in fractures.					
105.5	207.0	<u>GREY FELDSPAR PORPHYRY DYKE</u> Med. grey f.g. matrix + in least altered parts 40 - 50% <1-3 or 4mm, nearly euhedral feldspar; Minor mafic.					
		<u>Structure:</u> Massive, no penetrative deformation; mod. fract'd. 192 - 207. - mod. strongly fract'd in sections of broken core.					
		<u>Veins & Alteration:</u> Most is fresh + relatively unaltered	24671	114	115	1.0	tr nil
		Minor calc. - epidate tr Py at 114.5 and 123'					
		Sections with a few % thin calc. or calc.-epidote veinlets especially from about 147-187'	24672	122.7	123.7	1.0	tr nil
		<u>Min:</u> tr diss'd Py					
207.0	275.0	<u>MASSIVE FINE GRAINED DIABASE</u> Dk. green, fine to med. ophitic texture speckled with mafic mineral + magnetite					
		<u>Structure:</u> Upper Ct chilled at 05° + lower Ct chilled at 40°					
		<u>Alt. & Veins:</u> 'fresh' unaltered					
		<u>Min:</u> Isolated tr diss'd Py					
		<u>Remarks:</u> 'Late' diabase - unmetamorphised.					

DIAMOND DRILL HOLE LOG HOLE No. 97-94

Pg.3 of 9

Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
275.0	285.4	<u>MAFIC - INTERMEDIATE FRAGMENTAL</u> Med. grey - mottled reddish brown feldspar rich with 5-10% mafics. Angular mafic clasts a few mm - 1-2cm*						
		<u>Structure:</u> fine, streaky banded fragmental banding at - 50°	24673	275	278	3.	tr-1/2	nil
			24674	278	281	3.0	tr-1/2	nil
		<u>Alteration:</u> a little blotchy red brown staining - a few % epidote - calc. veinlets.	24675	281	285.4	4.4	tr-1/2	nil
		<u>Min:</u> tr - 1/2 to diss'd Py						
285.4	418.0	<u>MASSIVE FINE GRAINED DIABASE</u> As above 207-275						
		<u>Structure:</u> Most of unit has only wide spaced fract. 307-310 - strong fracturing at 45°+ calc. epidote						
		<u>Veins & Alteration:</u> Minor lt. grey calcite; calc. epidote or epidote + tr Cp 309 - 310.1 2.5% vein material., lt. grey + coarse grained calcite epidote - calc - chl. + tr Py + lt. grey qtz. at 45°	24676	308.6	310.3	1.7	tr	nil
		331-343 wide spaced, 3-5mm red feldspar - calcite veinlets with tr Py at 45° -30°	24677	339.7	340.7	1.0	tr	nil
		<u>Min:</u> tr diss'd Py						
		<u>Remarks:</u> Lower Ct arbitrary - same intrusive on both sides - (late diabase)						
418.0	534	<u>MASSIVE MEDIUM GRAINED DIABASE</u> As above, but grain size up to 2-3mm Speckled with black chloritized mafic + mag.; strongly mag.						
		<u>Structure:</u> very massive, uniform, few fract. Mod. fract. 'g 5510 - 516'						
		<u>Veins & Alteration:</u> min. grey calc. Minor blebby, white qtz. veinlets - c.g. at 447.5						
		<u>Min:</u> tr diss'd Py						
		<u>Remarks:</u> Cts arbitrary - seams to be core of thick diabase dyke; (late diabse)						

DIAMOND DRILL HOLE LOG

HOLE No.97-94

Pg. 4 of 9

Ft From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
534	554.9	<u>MASSIVE FINE GRAINED DIABASE</u> As above (late diabase) <u>Structure:</u> Lower contact chilled at 65° <u>Alteration:</u> A little epidote - qtz. veining with minor Py at 527'						
554.9	608	<u>MASSIVE MAFIC VOLCANIC? OR INTRUSIVE?</u> Dk. olive green; med. to f.g. wet surface flecked with 0.5mm pale green porphyroblasts; Composed fine dk. green min. including chl + probably min non-fizzy carbonate epidote non-mag. to weakly mag. in places. <u>Structure:</u> Relatively massive is in primary struct. recognized; Numerous recemented fract at 60° + 35°. 584.5 - Narrow 'slips' with a little gouge + bx at 35° - 40° weak fabric (foliation) at 55° <u>Alteration:</u> Epidote + epidote-calcite is tr Py as hairline to 1/2" veins make up 25% of rock. Minor epidote-qtz. 1/8" red feldspar - calcite tr Py veinlets occur here + there especially at 561' Minor lt. grey calc. -chl with a little Py; Minor qtz. -calc. <u>Remarks:</u> Unusual rock - probably massive flow unit - similar to material near collar in 97-95	24678	560.7	561.7	1.0	tr	nil
608	624.9	<u>BLEACHED, MASSIVE MAFIC VOLCANIC</u> Pale grey, green, fine to even grained; non-mag.+ relatively soft - fine carb. + chl. <u>Structure:</u> No primary structures mod. to intense healed fract. at 35°-40° 618.5- slips with a little gouge at 15°-20° <u>Alteration & Veins:</u> Bleaching - strong carbonate, including some pervasive calcite 610: 2" grey + pink calcite vein at 70° 615: 1 1/2" grey calcite vein at 45° 4 -5% lt. grey calcite veinlets <u>Remarks:</u> Cts with adjacent units gradational						
624.9	676.1	<u>MASSIVE MAFIC VOLCANIC OR INTRUSIVE?</u> As above 554.9 - 608 Distinctive appearance flecked with pale green porphyroblasts. <u>Structure:</u> Mostly massive, scattered, healed fractures;						

DIAMOND DRILL HOLE LOG

HOLE No.97-94

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Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<u>Veins & Alteration:</u> 1-2% epidote + epidote calc. in tr Py minor qtz.-calc. veinlets.					
676.1	714.3	<u>FELDSPAR PORPHYRY DYKE</u> 35% lt. grey-white, 0.5 - 3mm feldspar phenocrysts 'in' dull grey - to grey brown matrix; a few % fine mafics, non-mag except for sparse small mafic inclusions; <u>Structure:</u> Massive + uniform + weakly fract'd; Upper Ct at 30°; Lower Ct at 60° <u>Alt; & Veins:</u> Minor lt. grey calc. - a few epidote-calc chl. veinlets <u>Min:</u> tr diss'd Py					
714.3	766.7	<u>MASSIVE MAFIC VOLCANIC OR INTRUSIVE</u> Dk. grey, green fine to med. fine grained, indistinct dk. green 1-2mm spots (on dry surface) Magnetic only in places <u>Structure:</u> Most massive, some fine bx - like sections; Weakly fract <u>Alteration & Veins:</u> Minor calc. + calc-epidote veinlets; isolated small red feldspathic texture. Relatively soft, non-mag. <u>Min:</u> Minor conc. - Py in carb. vein selvages at 759 - 761					
766.7	778.7	<u>METADIABASE - COARSE GRAINED VOLCANIC</u> Dk. grey green med. grained, diabasic texture. Relatively soft, non-mag. <u>Veins:</u> 2-3% lt. grey calc - Isolated pink feldspathic veins.					
778.7	785.8	<u>ALTERED FELDSPAR PORPHYRY</u> Up to 30% 1-3mm - altered feldspar in med. grey matrix. Texture partly to entirely obliterated by alt. <u>Structure:</u> Upper Ct. is a 'slip' at 30°					
785.8	812	<u>BLEACHED ALTERED MASSIVE FINE GRAINED MAFIC VOLCANIC</u> Pale grey-green f.g. uniform to mottled. Non-mag. <u>Structure:</u> Mod. to strong fract'd					
		<u>Veins & Alteration:</u> 3-4% lt. grey calc. including banded veins with chl. partings up to 4" thick c.g. 797' . Upper middle part strongly bleached - pervasive dolomite+ calc.	24679	787	791	4.0	tr-1/2 0.002
			24680	791	796	5.0	tr-1/2 nil
			24681	796	798	2.0	tr-1/2 nil
			24682	798	800.5	2.5	tr-1/2 nil

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
		A little pale green mica 798 -799'						
		<u>Min:</u> tr diss'd Py in bleached parts.						
812	982.4	<u>METADIABASE - COARSE GRAINED MAFIC VOLCANIC</u> dk. grey, green, med. to c.g. Texture diabase or with clustering of mafics; Non-mag Feldspar chl. etc.						
		<u>Structure:</u> Mod. fract. + recemented weak foliation only.						
		<u>Veins & Alteration:</u> 11-2% fine lt. grey calc. veinlets with tr Py in selvages.	24683	853	853.5	0.5	-	0.001
		White 'barren' q.v. up to 1/2 c.g. at 853.5 + 8.77'	24684	901.5	902.5	1.0	1/2	0.001
		Minor lt. grey section with texture obliterated by pervasive calcite	24685	915	916	1	3	0.001
		902 -1' blebby white q.v. with Py + Cp	24686	916	920	4	tr	nil
		915.5 1/2" white q.v. + 2" pyritic selvage 45	24687	920	923.5	3.5	tr	nil
		926 -50% qtz. over 6' + Py selvage at 20	<u>24723</u>	923.5	925.3	1.8	1	0.001
		931.5 1/2" broken veins white qtz. + epidote						
		937.3 1/2" grey calcite. + blebs Py	24688	929.8	931.2	1.4	-	nil
		<u>Min:</u> Scattered grains, diss'd Py here + there tr Cp at 938'	24689	937	938	1.0	1/2	nil
		<u>Remarks:</u> Upper Ct gradational into f.g. volc. - suggests meta diabase may be core of thick basalt flow;						
982.4	987.0	<u>SHEARED BX'D META-DIABASE WITH QUARTZ VEINS</u> Dk. green bx + sheared metadiabase with bx matrix + partings of grey qtz, calcite epidote + dk. chl. + tr - 1/2 % Py	24690	981.4	982.4	1.0	tr	nil
		<u>Structure:</u> Strong schistosity at 30°	24691	982.4	987.0	4.6	tr-1/2	0.001
987.0	1006.5	<u>METADIABASE - COARSE GRAINED MAFIC VOLCANIC</u> As above; mainly						
		<u>Structure:</u> Weak foliation - schistosity in place at 45°						
		<u>Veins:</u> Minor lt. grey calcite						
1006.5	1016.7	<u>FINE GRAINED MAFIC VOLCANIC?</u> Dk. green, soft mainly altered fsp. non-fizzy carb + chlorite; non-mag.						

DIAMOND DRILL HOLE LOG

HOLE No. 97-94

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Ft		DESCRIPTION	Sample			opt % Py	ASSAY S Au	Co	Cu	ppm Ni	Zn	
From	To		Number	From	To							Length
		<p><u>Structure</u>: Mod. schistosity at 55° - 60°</p> <p><u>Veins</u>: Minor lt. grey calcite</p> <p><u>Remarks</u>: could be sheared flow or fine mafic tuff;</p>										
1016.7	1024.5	<p><u>MAFIC - INTERMEDIATE TUFF OR COARSE GRAINED FLOW??</u> Dk. grey, speckled blotchy, 1-2% 1-2mm anhedral feldspars indistinct lapilli size fragmental (?) and/or porphyroblastic. Composed of fsp. dk. amphibole chl. Some of mafic spots are definitely porphyroblasts - crystal - lithic tuff or c.g. volcanic.</p> <p><u>Structure</u>: Strong foliation at 60°</p> <p><u>Veins</u>: Minor lt. grey calcite.</p> <p><u>Min:tr</u> Py scattered grains</p>										
1024.5	1027.2	<p><u>MASSIVE SILTSTONE OR TUFF</u> Dk. grey very f.g. hard.</p> <p><u>Structure</u>: Massive or with indistinct banding.</p> <p><u>Min:tr</u> Py</p>	24692	1024.5	1027.2	2.7	nil	0.01	30	65	70	98
1027.2	1029.2	<p><u>THIN BEDDED SILTSTONE</u> Dk. grey - brown, f.g. very hard.</p> <p><u>Structure</u>: bedding 55°-60°</p> <p><u>Min</u>: blebs - streaks of Py at top</p>	24693	1027.2	1029.2	2.0	nil	0.01	31	166	73	141
1029.2	1045.0	<p><u>MAFIC - INTERMEDIATE TUFF OR COARSE GRAINED FLOW</u> Identical to unit 1016.7 - 1024.5 A few mafic clasts up to 1cm.</p> <p><u>Structure</u>: Streaky banding at 45°</p> <p><u>Alteration & Veins</u>: Mottling - (bleaching) minor grey calcite veinlets. 1038 - 1039.5 bleached + numerous grey calc. veinlets + black chl. streaks</p>	24694	1029.2	1031	1.9	nil	0.01	25	69	45	112

DIAMOND DRILL HOLE LOG

HOLE No.97-94


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Ft From	To	DESCRIPTION	Sample Number	From	To	Length	% Py	opt		ASSAYS		ppm Ni	ppm Zn
								Au	Ag	Co	Cu		
1045.0	1059	<u>THIN BEDDED SILTSTONE WITH MINOR GRAPHITIC ARGILLITE</u> Med. dull grey, very fine grained, very hard, weakly mag. Only a little colour contrast between different beds; Dk. beds with graphite from top to about 1049'	24724	1043	1045	2.0	-	nil	0.01	26	134	58	201
			24695	1045	1049	4.0	3-4	nil	0.01	23	118	29	228
			24696	1049	1052	3.0	2-3	nil	0.01	20	65	47	137
			24697	1052	1055	3.0	2-3	nil	0.01	35	125	46	115
		<u>Structure:</u> Bedding at 40; Beds from paper thin to 2 or 3m + a few beds up to 2cm	24698	1055	1057	2.0	2-3	nil	0.01	27	61	63	280
			24699	1057	1059	2.0	1-2	nil	0.01	24	63	57	116
		<u>Alteration & Veins:</u> minor fractures controlled + blotchy sil'n 1057.5 Minor lt. grey calc. veinlets.											
		<u>Min:</u> Py as blebs, streaks, lenses along bedding minor cross cutting veinlets & bead-like coarse Py euhedra; 1-2% fine Py diss'n only visible with microscope;											
		<u>Remarks:</u> Graphitic beds & dk. colour at top gradually becomes lighter with depth -probably an alteration feature. Lenses of Po along bedding up to 5mm thick from 1045.5 -1048.5, only in dk. graphitic beds; This po strongly magnetic											
1059	1098.1	<u>FRACTURED SILICIFIED SILTSTONE</u> Med. - lt. grey, mottled, blotchy. Very f.g. + very hard. - only weakly mag, here + there.	24700	1059	1062	3.0	3-4	nil					
			24701	1062	1065	3.0	2-3	0.001					
			24702	1065	1067.5	2.5	3-4	0.001					
			24703	1067.5	1070.7	3.2	3-4	nil					
		<u>Structure:</u> Thin bedded at Cp at 40° to 10°, elsewhere bedded, but partly obliterated by fracturing & alteration; Crackled throughout + rehealed, few unhealed fractures;	24704	1070.7	1073	2.3	2-3	nil					
			24705	1073	1075.0	2.0	2-3	nil					
			24706	1075.0	1078	3.0	2-3	nil					
			24707	1078	1080	2.0	1-2	nil					
		<u>Alteration & Veins:</u> Intense silification along numerous close-spaced fresh feldspars- probably secondary albite; - A few grey qtz. rich patches - (vein - like) 1096-1097.5 - three 2" blebby grey qtz. vein.	24708	1080	1083	3.0	1-2	nil					
			24709	1083	1085	2.0	2-3	nil					
			24710	1085	1086.5	1.5	3	nil					
			24711	1086.5	1087.5	1.0	3-4	nil					
		<u>Min:</u> Py as a fine irregular diss'n scattered blebs + bead-like euhedra and a few veinlets up to 2-3mm here & there; vein-like, diffuse bands with concentrations up to 50%/ 1/2", e.g. at 1070.7 FT;	24712	1087.5	1089	1.5	2-3	nil					
			24713	1089	1091	2.0	2-3	nil					
		Minor dk. - zones 'sooty' Py - actually fine crushed zones e.g. at 1095 FT;	24714	1091	1094	3.0	2-3	nil					
			24715	1094	1096	2.0	2-3	nil					
			24716	1096	1098.1	2.1	1-2	0.003					
1098.1	1109.9	<u>THIN BEDDED, MASSIVE SILTSTONE WITH MINOR GRAPHITIC ARGILLITE</u> As above 1045-1059' Massive + thick bedded below 1101'											

DIAMOND DRILL HOLE LOG

HOLE No.97-94

Pg.9 of 9

Ft From	To	DESCRIPTION	Sample Number	From	To	Length	opt			ASSAYS		ppm	
							% Py	Au	Ag	Co	Cu	Ni	Zn
		<u>Structure:</u> bedding at 45°; little or no deformation;	24717	1098.1	1101.2	3.1	3-4	0.001	0.01	31	83	60	68
		<u>Alteration & Veins:</u> a little blotchy + fract. - controlled silic'n;	24718	1101.2	1103.5	2.3	2	nil	0.01	14	86	33	261
			24719	1103.5	1105	1.5	4-5	0.001	0.01	47	197	67	138
		<u>Min:</u> Py as fine diss'n, blebs + lens along beds, streaks + a few thick cross cutting veinlets	24720	1105	1107.5	2.5	1/2-1	nil	0.01	23	68	48	63
			24721	1107.5	1109.9	2.4	3	nil	0.01	34	176	63	40
		<u>Remarks:</u> 1103.5 - 5" lt. grey alaskite - like phase of Milly Creek 1098.1 - 1100 - thin talcose partings within the siltstone;											
1109.9	1204.5	<u>POLYSUTURE JOINTED U.M. FLOWS</u> Dk. green, black, soft; variable talcose some black chl. serpentine; speckled to uniform f.g. Most is strongly mag.											
		<u>Structure:</u> Polysuture joints marked by black chl.seams with bleached edges	24722	1109.9	1114	4.1	-	nil	0.01	27	113	365	28
		<u>Alteration & Veins:</u> 2-3% non-fizzy carb. veins Top 5' bleached + carbonatized											
		<u>Min:</u> No sulphides volc's.											
		<u>Remarks:</u> Lower gradational											
1204.5	1250.0	<u>MASSIVE, SPECKLED SERPENTINIZED U.M.</u> Dk. green - black - relatively soft - dominantly serpentine. Strongly mag;											
		<u>Alteration & Veins:</u> Minor carb veins. Pale green serpentine on fractures.											
1250.0	(381m)	<u>END OF HOLE</u>  A.W.Beecham. 10/3/97											

Tyranax Gold Inc.

DIAMOND DRILL HOLE LOG

HOLE No.97-95

Property	Tp	Azimuth	Date Started	Tropari	Tests	(°)	Location Sketch
TYRANITE	Tyrrell & Knight Tp.	090°Surface	7th Mar. 1997	Depth	Mag. Az	True Az	Dip
Project	Lot & Conc.	084°-30'U.G.	Date Compl'd	39'	095°		56°
Claim #	GG 5804 (lease)	Dip 58°(Head)	16th Mar.1997	138'	095°		57°
	GG 5803 (lease)			590'	095°		57°
		Length	Drilled by:	787'	094.5°		58°
Surface Co-ordinates	U/G Co-ordinates	1753.1' $\sqrt{7}$	St.Lambert	984'	094°		58°
1+10S/N10+68W	2432.11N 10424.02E			1180'	093°		57°
		Collar Elevation	Logged by:	1378'	086°		57°
		10005.48'	A.W. Beecham	1584'	087°		58°
				1753.1'	101°		58°

'0' point of drill hole 3.0 above casing,

Ft.		DESCRIPTION	Sample			ASSAYS	
From	To		Number	From	To	Length	% Py opt Au
		<p>Objectives: To test Tyranite Structure on section 1+00s on apparent, shallow south plunging trend between surf. DH#84 and U/G. DH.325</p> <p>Note: 97-95 referred to as "97-95A" on drill runner reports. 97-95'A' drilled at same location as 97-95 and abandoned at 88.6' due to incorrect dip;</p> <p>Note: Sample # are Series 'R'</p>					
0	3.0	<u>CASING.</u>					
3.0	149.0	<p><u>METADIABASE (MEDIUM GRAINED, MASSIVE MAFIC FLOW)</u></p> <p>Dk. grey - fine to med. grained with fine 0.5 to 1 mm light green flecks (altered feldspar) Feldspar rich, indistinct fine diabasic texture. Dry surface, in places shows 2mm mafic spots;</p> <p><u>Structure:</u> a very massive + uniform almost no fabric. broken core with rusty fractures. collar-13'; 41.5-43.1; 94-96.5'</p> <p><u>Veins & Alteration:</u> a few % thin epidote calc veinlets + pods Minor lt. grey calcite</p> <p><u>Remarks:</u>Probably early metadiabase but could be altered late diabase</p>					
149.0	158.0	<p><u>FRACTURED ALTERED METADIABASE</u></p> <p>med. dull grey , f.g. carbonate rich weakly mag. to non-mag.</p>					

DIAMOND DRILL HOLE LOG

HOLE No. 97-95

Pg. 2 of 11

Ft From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
		<u>Structure</u> :Close -spaced fractures (1/8-1/2") preferred orientation ~60°	24725	148	149	1.0		nil
		<u>Veins & Alteration</u> :A few % lt. grey qtz.+ qtz-calc. veinlets at preferred orientation of 60°	24726	149	151.5	2.5		0.001
		strong bleaching - intense pervasive calcite alt'n;	24727	151.5	154.0	2.5		0.001
		<u>Min</u> :tr Py in incipiently bx'd section at 149.5'	24741	154.0	158.5	4.5		0.001
		<u>Remarks</u> :Contacts grad. - part of metadiabase.						
158	166.5	<u>METADIABASE</u> As above.						
166.5	178.5	<u>ALTERED METADIABASE (or MASSIVE MAFIC VOLCANIC)</u> As above 149-158 - but not as strongly altered						
		<u>Structure</u> :Mod. fract. is calc. + chl. cement.						
		<u>Alteration & Veins</u> :A few % lt. grey calc. 60° 177 -1-2mm red feldspathic (?) veinlets with tr Py	24728	176.5	178.5	2.0	tr	nil
		<u>Remarks</u> :Ct's gradational through grid - altered sections to unaltered metadiabase.						
178.5	259.8	<u>METADIABASE (MED-GRAINED,MASSIVE MAFIC VOLCANIC)</u> As above 3-149'						
		<u>Structure</u> :Mod. fract.recemented-no broken core; 259' - 2" crushed bx'd zone at65°						
		<u>Alteration & Veins</u> :A few epidote +/- calc. with isolated tr Py + lt. grey calc. veinlets;Bottom 2' bleached, has pervasive calcite.						
259.8	278.5	<u>FELDSPAR PORPHYRY DYKE</u> Med. grey f.g. matrix, up to 35% 0.5 - 3mm off-white feldspar phenocrysts, weakly mag. in places						
		<u>Struct</u> :Mod. - strongly fract. + calc. cement 271.5-273 - incipient bx + calc. + alt'n						
		<u>Alteration & Veins</u> :23% fine lt. grey calcite	24729	268.5	271.5	3.0		nil
		271.5-272.8 zone strong orange red alt'n shattered + cemented with calcite	24730	271.5	273.0	1.5	tr	nil
		- tr Py 45°	24731	273.0	275.0	2.0		nil

DIAMOND DRILL HOLE LOG HOLE No. 97-95

Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
278.5	283.5	<u>METADIABASE</u> As above					
283.5	319.3	<u>FINE GRAINED DIABASE (LATE)</u> Dk. grey- green - fine- med. fine, fresh with aphitic texture; mod. strong by mag. <u>Structure:</u> Massive + uniform except for thin chl'n joints; upper + Ct chilled at 40° ; Lower Ct at 30° <u>Min:tr</u> interstitial Py <u>Remarks:</u> 287.5 - 290 Metadiabase inclusion or septum <u>Alteration & Veins:</u> 311-312.3 epidote - calcite veinlets with minor Cp. Wisps + streaks black chl. in joints					
319.3	333.0	<u>METADIABASE</u> As above. <u>Alteration:</u> A few % epidote-calcite veining					
333.0	344.5	<u>FINE GRAINED DIABASE (LATE)</u> As above. <u>Structure:</u> Upper Ct chilled at 30°; Lower contact chilled at 50°					
344.5	458.3	<u>METADIABASE</u> As above <u>Veins & Alteration:</u> 2-3% epidote - calcite veinlets & pods with tr Py here + there Minor grey calcite veinlets. <u>Remarks:</u> 381.5-382.2 Black f.g. diabase at 50°					
458.3	460.3	<u>SHEARED METADIABASE - FAULT</u> Sheared, broken core + 1/2" gouge at 40°					

DIAMOND DRILL HOLE LOG

HOLE No.97-95

Pg. 4 of 11

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
		<u>Veins:</u> 6" banded lt. grey calc. chl. at top at 75° + calc. epidote veins	24732	485.3	460.3	2.0		nil
460.3	484.9	<u>METADIABASE</u> As above						
		<u>Veins & Alteration:</u> 3% epidote calc. veinlets						
484.9	488.7	<u>FINE GRAINED DIABASE (Late Diabase)</u> As above, strongly mag.						
		<u>Struct:</u> Contacts chilled at 65° + 40°						
488.7	524.4	<u>METADIABASE</u> As above						
		<u>Struct:</u> Mod. fr'd + recemented with calc. epidote. A little broken core 506-509						
		<u>Veins:</u> 506-509 - 30% epidote-calc 3-4 epidote calcite veining.	24733	506	509	3.0		nil
		<u>Remarks:</u> 592-593.8 f.g. diabase dyke at 45°						
524	612.0	<u>FINE - MEDIUM GRAINED DIABASE (LATE)</u> Dk. grey green f.g. near contacts + fine med. grained in interior. Interior also speckled with 3% dk. minerals -magnetite + other mafic. Good ophitic texture. Strongly mag. (late diabase)	24734	536.4	537.7	1.3		nil
		<u>Structure:</u> Contacts chilled at 45° + 40°						
		<u>Veins & Alteration:</u> Freshly + unaltered. Minor lt. grey calcite. 537-4" c.g. white qtz. + black chl. + calc. at margins at 45° - 60°						
		<u>Min:</u> about 1/2% dk. interstitial Py						
612.0	808.3	<u>METADIABASE-COARSE GRAINED MAFIC VOLCANIC</u> Dk. grey green med. - red coarse grained volc. with clustering of mafics. - wet surface shows 10-15% pale grey to pale green flecks. Probably mn. - feldspar amphibole chlorite, epidote.						
		<u>Structure:</u> Weakly to strongly fract'd with calc -epidote cement.						

DIAMOND DRILL HOLE LOG

HOLE No.97-95

Pg. 5 of 11

Ft. From	To	DESCRIPTION	Sample Number	From	To	Length	ASSAYS	
							% Py	opt Au
		<u>Veins & Alteration</u> : 2-4% epidote-calcite veinlets, pods - etc. (epidote +/- or clinozite) tr Py here + there with calc.-epidote; Minor lt. grey calc. veinlets;	24735	615	618.4	3.4	tr	nil
		Minor 1/16-1/4 red feldspathic vein with tr Py here + there from 615-651', 666' - 669' at 711', 715.5'	24736	628.4	633.0	4.6		0.004
		694' -703' lt. grey - bleached with veinlets + sections of pervasive calc.	24737	633.0	637.5	4.5		nil
		<u>Remarks</u> : 749.2' - 750.5' f.g. diabase 762' -765' f.g. diabase	24738	666.9	668.6	1.7		nil
808.3	922.3	<u>METADIABASE COARSE GRAINED MAFIC VOLCANIC</u> Dk. grey-green, gradational with previous units 2-3mm clusters of mafics with interstitial feldspar Moderately magnetic to non-magnetic; <u>Structure</u> : 826-832 broken with rusty weathered fract. Very weak or no fabric. <u>Veins & Alteration</u> : 808-832 - 3-5% epidote-calcite veins, pods. 828.9-829.5 - bx'd white qtz. + c.g. calcite + epidote-clinozoisite 846.8 -2" banded calc. + wall rock partings. 914 - minor red feldspathic wisps.	24739	828.7	829.7	1.0		nil
922.3	955.5	<u>ALTERED BX'D MAFIC VOLCANIC</u> <u>Structure</u> : Possible pillows marked with calc.- black chl. + seams; Sections of angular bx'd with dk. chl'c matrix; Schistosity near Ct at 40°; Minor broken core and a little gouge here + there; <u>Alteration</u> : bleached - pervasive carb. include. calcite; A few % lt. grey calc. chl. veins; minor orange red alt'n (include. sil'n) at 954'	24740	953.4	954.6	1.2		0.001
955.5	1021	<u>METADIABASE - COARSED GRAINED MAFIC VOLCANIC.</u> As above. <u>Structure</u> : Relatively massive - little or no fabric; <u>Veins & Alteration</u> : Minor epidote +/- calcite; A few % lt. grey - white calcite.						

DIAMOND DRILL HOLE LOG

HOLE No.97-95

Pg. 6 of 11

Ft. From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
1021	1257.1	<p><u>MASSIVE FELDSPAR PORPHYRY</u> Med. grey + pink; 40-50%, 1-7mm Subhederal lt. grey f.g. matrix with 5% f.g. mafic; - Probably andesitic composition; weakly mag. - a few % rounded, sutured fine maf. volc. inclusions</p> <p><u>Structure:</u> Upper Ct. at 55° - Lower at 80° 1118.5 - 1130 fract'd, some broken core; minor fault.</p> <p><u>Alteration & Veins:</u> Minor streaks of epidote; Minor lt. grey calcite veinlets here and there throughout; Very weak, diffuse red alteration in upper part. 1119-1120.1 Strong red alt'n. 1120.1-1120.4 Qtz.-epidote bx+ gouge seams - fault 1124.8 - 1125.2 Bx'd lt. grey qtz. + calc-chl. + red altered selvage at 55° 1125.0 - 1144 weak red alteration 1194.5 - 196.7 sections mod -strong red alt'n + chlorite section + minor diss Py. 1220-1228.6 weakly alt'd texture partly obliterated - weak red alt'n, calc. veinlets + weak sil'n.</p> <p><u>Min:</u> Isolated tr Py as scattered specks . See 'Veins'</p>	24742	119	1120.4	1.4		0.001
			24743	1120.4	1122.5	2.1		nil
			24744	1122.5	1124.5	2.0		nil
			24745	1124.5	1125.5	1.0	tr-1/2	nil
			24746	1125.5	127.0	1.5		0.001
			24747	1127.0	1130.0	3.0		nil
			24748	1138	1140	2.0	tr	nil
			24749	1194.5	1196.7	2.2	tr	nil
			24750	1220	1225	5.0		nil
			24751	1225	1228.5	3.5		0.001
1257.1	1296.5	<p><u>METADIABASE -COARSE GRAINED MAFIC VOLCANIC</u> Dk. grey-green; m.g. dk amphibole + feldspar; mod. strong mag. - mafic clustering with interstitial feldspar.</p> <p><u>Structure:</u> Massive - no obvious fabric.</p> <p><u>Alteration & Veins:</u> Minor lt. grey calc. + epidote veinlets. Minor brick red (hematite) feldspathic veinlets, lenses.</p> <p><u>Remarks:</u> 1294-1295 Feldspar porphyry dyke</p>	24752	1293.8	1296.5	2.7		nil
1296.5	1302.5	<p><u>MASSIVE FELDSPAR PORPHYRY DYKE</u> As above 1021-1057'</p> <p><u>Structure:</u> Upper Ct irregular at 30°; lower Ct at sharp - bx'd slip at 60°</p> <p><u>Alteration:</u> Minor red - feldspathic wisps - (hematite)</p>						

DIAMOND DRILL HOLE LOG

HOLE No. 97-95

Pg. 7 of 11

Ft		DESCRIPTION	Sample				ASSAY	
From	To		Number	From	To	Length	% Py	opt Au
1302.5	1314.3	<p><u>MASSIVE MAFIC VOLC. - METADIABASE</u> Dk. grey-green, fine med. grained; mod. mag.; clustering of mafic in lower part.</p> <p><u>Structure:</u> Some possible flow structure;</p> <p><u>Alteration:</u> 1305-1306.4 bleached with 1mm veinlets red feldspathic (hematized) veins with small wisps + diss'n of Py tr Cp in white calcite veinlets.</p>	24753	1304.5	1306.5	2.0	tr-1/2	0.001
1314.3	1372	<p><u>ALTERED MASSIVE FELDSPAR PORPHYRY</u> As above; weakly magnetic, grey to brick red (where altered)</p> <p><u>Structure:</u> Upper Ct at 30°; Lower Ct deformed at 60°; 1368.0-1372.5 finely bx'd & recemented; 1330.5-1343.5-Fractured or incipient bx'n & recemented.</p> <p><u>Veins & Alteration:</u> 1332-1334 weak red alt'n + sil'n with fine Py 1338-1343.5 fract. control (grid) bleaching with tr Py 1363-1372 strong brick red alteration (hematite staining) & fine black chl. as veinlets & in bx matrix & tr Py 1333.7 2" c.g. white calc. bx vein</p> <p><u>Remarks:</u> 1320-1327.5 - inclusions of mafic volc. - metadiabase up to 3' 1330.2-1343.5 - mostly feldspar porphyritic rock with 15% 0.5-1mm phenocrysts; probably large inclusions;</p>	24754	1332	1334	2.0	1/2	0.001
			24755	1342	1347.0	5.0	tr	nil
			24756	1364	1368	4.0	-	nil
			24757	1368	1372	4.0	tr	nil
1372	1378	<p><u>ALTERED, BRECCIATED ULTRAMAFIC. FLOW</u> Dk. reddish brown with black chl.'c matrix; non-mag</p> <p><u>Structure:</u> 1372-1373 Strong schistosity at 75° Primary flow (?) bx</p> <p><u>Alteration & Veins:</u> Mod. hem. staining adjacent F.P. 1372-1373 2" c.g. white calc. + 5" banding grey calc. with minor Py + tr Cp.</p>	24758	1372	1377	5.0	tr	0.001
1378	1414.0	<p><u>ULTRA MAFIC FLOW (?) BRECCIA</u> Dk. green, fine -med. grained, soft talc - chlorite, carb; strongly mag. Dk. green chl.'c matrix with med. green fragments.</p> <p><u>Structure:</u> Coarse flow(?)bx. Mod.-strongly deformed with schistosity at 45°- 55° - short zones strongly schistosity. 1378.5 - 1 bx gouge - small fault, short sections crumbly broken core.</p>						

DIAMOND DRILL HOLE LOG

HOLE No. 97-95

Pg.8 of 11

Ft From	To	DESCRIPTION	Sample				ASSAYS						
			Number	From	To	Length	% Py	opt Au					
		<u>Veins & Alteration</u> :3-4% lt. grey - white calcite veinlets + partings - a few white talc-calcite veins c.g. 1398.5'	24759	1394	1397	3.0	-	nil					
		Abundant black chl. in matrix. A little pervious calcite;	24760	1397	1400	3.0	1/2-1	0.001					
		<u>Min</u> :Diss'n fine pale Py up to 5-6% over 2-3", between 1397 + 1404'	24761	1400	1403	3.0	tr-1/2	0.002					
			24762	1403	1406	3.0	-	nil					
1414	1417.4	<u>FRACTURED U.M. VOLCANIC.</u> As above 1378-1414											
		<u>Structure</u> : broken throughout with short sections of gouge. Schistose, crumbly;Shearing at about 45°-50° - Probably marks small fault (same rock type on both sides.)											
1417.4	1453.5	<u>U.M. FLOW (?) BX & MASSIVE FLOW</u> As above, massive flow withchl'c joints or bx with black chl. matrix Most is strongly mag. - sulphide bearing parts - c.g. at 1433 very strongly mag.											
		<u>Structure</u> : Short schistose sections at 60° 1436-1436.5' broken core + a little gouge - minor fault							opt	ppm	ppm	ppm	
									Au	Ag	Co	Cu	Ni
		<u>Alteration & Veins</u> :No significant alteration; Minor lt. grey calc.Dk. chl. in bx. matrix + joints	24763	1417.2	1421.0	3.8	1-2	nil	0.1	50	36	474	
			24764	1421.0	1426.0	5.0	tr	0.001	0.1	38	90	330	
			24765	1426.0	1430.5	4.5	tr	nil	0.1	36	118	432	
			24766	1430.5	1433.0	2.5	10-15	0.002	0.2	38	294	186	
		<u>Min</u> :Py as fine to coarse grained dips'n; streaks, blebs - probably as inter-flow concentrations; minor veinlets of Py	24767	1433.0	1438.0	5.0	tr	nil	0.1	31	72	358	
		1431.3 - 1432.4 heavy diss'n, semi massive Py + tr Cp.	24768	1438.0	1441.0	3.0	tr	nil	0.1	37	56	230	
			24769	1441.0	1445.0	4.0	1/2-1	0.001	0.1	43	170	169	
			24770	1445.0	1449.0	4.0	1/2-1	nil	0.1	38	53	352	
		<u>Remarks</u> :1442.5-1432.4 f.g. massive mafic? rock in fine mag.-dyke?	24771	1449.0	1453.5	4.5	tr	nil	0.1	36	96	512	
1453.5	1457.2	<u>FINE GRAINED MAFIC DYKE??</u> Dk. grey f.g. freshly speckled with fine mafic. H=5;Feldspar chl +fine diss'd mag. - strong mag. Indistinct diabase texture.											
		<u>Structure</u> : Fractured with gouge seam (unknown width) at 1455.4											
		<u>Min</u> :Py with tr Cp as minor veinlets + diss'n	24772	1453.5	1457.2	3.7	1	nil					
		<u>Remarks</u> :looks like mafic dyke similar to rock from 1442.5-1447' but could be part of komatiites?? Marks contact between komatiitic above anf mafic volc. - syenodiorite intrusive bx below- could be significant fault bt little broken material or gouge.											

DIAMOND DRILL HOLE LOG

HOLE No. 97-95

Pg.9 of 11

Ft From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
1457.2	1468.5	<u>MAFIC VOLCANIC - SYENODIORITE INTRUSIVE BX</u> Mottled med. dk. grey f.g. relatively hard (H=5) strongly magnetic mafic flow rock + 15% lt. grey syenodiorite dykes from 1/4" to 9" - large blocks volcanic with interstitial syenodior. <u>Structure:</u> Schistosity, narrow sections only at 45° <u>Alteration:</u> 1464.5-1468.0 -20% altered to blotches + streaks pale green sil'n + fine pale green mica? <u>Min:</u> Streaks of Py - mostly interstitial to mafic vol. frag. (Not with sil'n-green mica)	24773	1462.8	1464.5	1.7		0.001
			24774	1464.5	1468.5	4.0		nil
1468.5	1493.5	<u>MASSIVE MAFIC FLOW(S) WITH ALTERED SECTIONS</u> Dk. grey f.g., very hard, strongly mag. except for short strongly altered sections. <u>Structure:</u> Altered sections (10%) strongly fract'd. - remainder with few fract. Indistinct flow structures; <u>Alteration & Veins:</u> Short sections light grey alteration. - fine carb. (include calcite) + qtz. with 2-5% fine pale Py as follows. 1" at 1479; 1484.2 - 1485.7; 2-3" blob grey alt. + Py + jasperite. Minor white qtz. 1/8" to 1/2" with a little fine Py as follows 1/2" at 1479, 1/4" at 1492.4 1/2" to 1" at 1493.3 Minor light grey calc. some with tr Cp -at Cts of q.v.'s 1470-1472.2 pale green sil'n (with fine green mica) <u>Min:</u> See alt'n. Blebs, streaks, diss'n of Py + tr Cp, minor veinlets, conc. up to 30-40% /1"	24775	1468.5	1472.0	3.5	1-2	nil
			24776	1472.0	1475.0	3.0	1	nil
			24777	1475.0	1478.5	3.5	2	0.001
			24778	1478.5	1479.5	1.0	3	0.001
			24779	1479.5	1483	3.5	1-2	0.001
			24780	1483	1484	1.0	3-4	0.002
			24781	1484	1485.7	1.7	4-5	0.278
			24782	1485.7	1488	2.3	4	0.006
			24783	1488	1491.3	3.3	2	0.001
			24784	1491.3	1493.5	2.2	3-4	0.001
1493.5	1534.4	<u>MASSIVE MAFIC FLOWS</u> As above, strongly mag. <u>Structure:</u> Mod. fract.'d + recemented with calcite + epidote. Indistinct flow struct. here + there, mostly massive. 1518 - banding + minor q.v. parallel to core <u>Alteration & Veins:</u> 1-2% lt. grey calcite, calcite-epidote + epidote, branching veinlets; A few white qtz.-calcite veinlets. <u>Min:</u> Minor Py as wisps + coarse diss'n tr - 1/2% Sph over a few inches at 1517.5', 1532.8 Sph as small blebs + intergrain with Py.	24785	1493.5	1496	2.5	1/2	0.001
			24786	1496	1501	5.0	1/2-1	0.001
			24787	1514	1515	1.0	2	0.002
			24788	1515	1520	5.0	1/2	0.001
			24789	1520	1525	5.0	1/2	nil
			24790	1525	1529	4.0	1/2	0.001
			24791	1529	1532	3.0	1/2-1	nil
			24792	1532	1534.4	2.4	1/2-1	0.001

DIAMOND DRILL HOLE LOG

HOLE No. 97-95

Pg.10 of 11

Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
1534	1554.0	<u>ALTERED MAFIC FLOW(S) WITH PYRITIC ZONES</u> Dk. grey-green, f.g. H=5 Strongly mag, except for short sections of strong alt'n; <u>Structure:</u> Strongly fract'd at 50°- 60° with calc + qtz. cement; some shattering + incipient bx,n <u>Alteration & Veins:</u> Sections 1" - 1" of lt. grey alt'n carb. (include. calc.) - qtz. with fine diss'n to massive Py as follows: 1534.5 - 11/2" 10%Py 1545.6-1546.7 lt. grey alt'n with 1/8-1/4 grey qv. 65° + 15-20% Py 1548.3-1548.4 Semi massive Py + carb. at 70° 1550.2-1552.1 lt. grey alt'n+ jasperite, as 1/2-6" sections Py (~40-50% Py over all) 1553-1554 65% Semi-massive Py & calcite 60° Grid type bleaching -over 5% fine lt. grey calcite veins at -60° -Minor lt. grey - white q.v. as noted above + at 1535.8, 1537.7, 1544.6 <u>Min:</u> See Alt'n & Veins; blebs, streaks, coarse diss'n, veinlets relatively dk. Py <u>Remarks:</u> 1541.1 - 1542 - irregular F.P. dykelets	24793	1534.4	1535.4	1.0	3-4	0.071
			24794	1535.4	1537.5	2.1	3-4	0.020
			24795	1537.5	1540	2.5	2	0.101
			24796	1540	1543	3.0	2-3	0.063
			24797	1543	1545.4	2.4	1-2	0.026
			24798	1545.4	1546.7	1.3	10-12	0.249
			24799	1546.7	1548.3	1.6	1	0.013
			24800	1548.3	1550.2	1.9	3-4	0.018
			24801	1550.2	1552.1	1.9	25	0.265
			24802	1552.1	1553.0	0.9	2-3	0.187
			24803	1553.0	1554.0	1.0	50	0.193
			Average	1534.5	1554.0	19.6		0.095
			or					
				1537.5	1554.0	16.5		0.106
			or					
				1545.4	1554.0	8.6		0.145
1554.0	1555.8	<u>TALC-CARBONATE SCHIST (SHEAR ZONE)</u> Dk. green with 25% lt. grey-white calcite partings, f.g. H=3-4 <u>Structure:</u> Strong schistosity at 45°; A little gouge & slickensides along schistosity planes; <u>Min:</u> tr diss'd Py	24804	1554.0	1555.8	1.8		0.001
1555.8	1609.0	<u>MASSIVE TO BX'D U.M. FLOWS</u> Dk. blue green - fine to med. grained (speckled) Most is relatively soft + composed of talc.-chlorite - carb. + fine mag; strongly mag; probably some serpentine; <u>Structure:</u> Massive with chl'c joints or bx'd with black chl in matrix. Weakly deformed. A little broken core. 1576.5-1584						


DIAMOND DRILL HOLE LOG

HOLE No. 97-95

Pg.11 of 11

Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
		<p><u>Alteration & Veins:</u>Upper 15' has 3-4% lt. grey calcite veinlets + a few% white talc veinlets up to 1/4"</p> <p><u>Min:</u>tr diss'd Py here + there. Minor con'n 3% from 1562 - 1563</p> <p><u>Remarks:</u>Dk. green feldspar porphyritic dykes as follows: 1575.2-1575.8 1576.8-1578.3 1580-1581.3 1594.2-1594.8 1599.3-1599.6</p>	24805	1555.8	1560.8	5.0	tr	nil
			24806	1560.8	1563.0	2.2	2	0.001
1609.0	1613.8	<p><u>FRACTURED U.M. BX</u> As above</p> <p><u>Structure:</u> broken throughout, minor bx + gouge - only minor fault?</p>						
1613.8	1644.6	<p><u>MASSIVE - BX'D U.M. FLOWS</u> As above, H=4-5 less talc, chl. than 1555.8 - 1609</p> <p><u>Structure:</u> Mod. deformation noticeable in bx sections at 45° Broken core 1624-1625.5</p> <p><u>Veins:</u>A few lt. grey calc. + rare pale grey veinlets.</p>						
1644.6	1666.5	<p><u>PORPHYRITIC MAFIC DYKE</u> Dk. green med. grained about 2mm. About 60% Fe Mg minerals - dk. pyroxenes or amphiboles + about 40% feldspar. Speckled with 2-3% white feldspar phenocrysts or amygdules??</p> <p><u>Structure:</u> includes fragments of f.g. diorite.Upper Ct sharp at 60° Lower Ct. broken</p>						
1666.5	1753.1	<p><u>SPECKLED U.M. VOLCANIC</u> Dk. blue green m.g. 0.5-2mm, dk. spots surrounded by paler green material. Strongly mag. Relatively hard. - H=5</p> <p><u>Structure:</u> black polysuture joints with bleached selvages. Minor broken core 1668-1670; 1733.8-1734.5 +1751-1752</p>						
1753.1		<p><u>END OF HOLE</u></p>						

A.W.Beecham 18/3/97



TYRANEX GOLD INC.

DIAMOND DRILL HOLE LOG

HOLE No.97-96

Property	Tp	Azimuth	Date started	Corrected	Dip	Tests	(°)
TYRANITE	TYRRELL TP	090 surf (084.5°w/g)	16th Mar. 1997	Depth	Mag. Az	True Az	Dip
Project	Lot & Conc.	Dip	Date Completed	20	97.5°		58°
		59.5°	25th Mar. 1997	100	102°		58°
Claim #		Length	Drilled by:	197	093°		58°
GG 5804, (lease)		1978.35'(603m)	St.Lambert	394	101°		58°
	Underground	Co-ord's		600	107°		58°
	1677.02N	10352.76E		787	098°		59°
				984	097°		59°
				1181	096°		60°
				1378	093°		59°
				1574	095°		59°
Surface Co-ordinates.		Collar Elevation	Logged by:	1762	069°		60°
8+50S / 12+16W		10033.10'	A.W. Beecham	1968	092.5°		59°

Note: casing to 'zero' point of hole
2.8 FT along rods;

Ft. From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
		Objectives: -To test main Tyranite Structure at elev. 8630, (south of Shaft X-C) Section 8+50 on gentle south raking trend thorough surf, Holes 84, 91, 95 and U/G DH. # 325, 320;						
0	60	CASING;						
60'	74.9'	<u>MASSIVE-FELDSPAR PORPHYRY DYKE</u> Med. grey, f.g. matrix with 60%, 1-6mm (a few to 10cm) subhederal, feldspar phenocrysts, (core surfaace indicates 30-40% phenocrysts, whereas broken surf. - is 60%) Very hard, non-mag. Probably intermediate (ducitic) composition. <u>Structure:</u> Massive & uniform,fractured throughout with limonitic fract. above 22' <u>Veins & Alteration:</u> Minor veinlets + bx veinlets of light grey calcite; minor epidote veinlets. Relatively fresh + unaltered. <u>Min:tr</u> diss'd Py <u>Remarks:</u> Lower Ct broken + obscured by coarse syenodiorite. (1.5')						
74.9	120.2	<u>BANDED CARBONATE ROCK (ALTERED ULTRA MAFIC)</u> Med. lt grey med.f.g. carb. rich rock with abundant calcite Most is weakly mag. Remnants weakly altered speckled ultramafic 86-91.5						

DIAMOND DRILL HOLE LOG

HOLE No. 97-96

Pg. 2 of 13

Ft From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
		<u>Structure:</u> Streaky wispy banding (dk + lt. grey) 35° at top; 0° at 100'; 20° at bottom.	24807	95	100	5.0	tr	nil
			24808	100	105	5.0	tr	nil
			24809	105	110	5.0	tr	nil
		<u>Alteration & Veins:</u> Nearly complete carb'n, abundant calcite as partings veinlets + pervasively through rock.	24810	110	115	5.0	tr	nil
		100-107 pale green colour - green micas.	24811	115	120	5.0	tr	nil
		<u>Min:</u> tr Py here + there as diss'd in white calcite veinlets, 1/2 - 1% Py from about 98 - end of unit Blebs + small con'c of Py in white calcite veinlets;						
120.2	131.5	<u>ULTRAMAFIC VOLCANICS</u> Dk. green - black, fine to med. grained (speckled) Numerous hairline black veinlets strongly magnetic. Relatively hard.						
		<u>Veins:</u> a few pale green serpentine + calcite veinlets.						
		<u>Structure:</u> black polysuture joints;						
131.5	136'	<u>BANDED GREY CARBONATE ROCK.</u> As above, banding at 45° -60°						
136.0	152.5	<u>ULTRAMAFIC VOLCANIC</u> As above, 120.2 - 131.5 with hairline black veining - fol'n schistosity at 50°						
152.5	168.5	<u>ULTRAMAFIC VOLCANICS</u> Dk. green-black; close packed 1-2mm black grains with light grey interstitial material; mineralogy uncertain, relatively hard + slightly talcose to feel, strongly mag.						
		<u>Veins:</u> A little pale green serpentine + lt. grey calcite; 162.5 - 1/2" dolomite(?) veins with blebs Py + a little magnetite.						
168.5	199.5	<u>U.M. VOLCANICS</u> As above 136-152						
		<u>Structure:</u> 182 bottom sections of broken with fractures at small core angles.						
		<u>Veins:</u> Epidote-calcite veinlets to 1/4" near lower Ct						

DIAMOND DRILL HOLE LOG HOLE No. 97- 96

Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
		<u>Mineralization:</u> Isolated small blebs of Py at top.						
199.5	212.6	<u>FINE, FELDSPAR PORPHYRY DYKE</u> 40% white 0.5-2mm unhederal feldspar phenocrysts with med. grey med.f.g. matrix; non-mag. <u>Structure:</u> Massive, no fabric, mod. broken throughout. Upper Ct irregular at 45°. Lower Ct at 65° <u>Veins:</u> epidote-calcite veinlets to 1/4" near lower Ct. <u>Remarks:</u> lack of magnetism suggests this is a post Milly Creek intrusive & has not been re crystallized;						
212.6	277.0	<u>SPECKLED U.M. VOLCANICS</u> As above 152.5-168.5; A few sections with close-spaced, black hairline veining. <u>Structure:</u> Polysuture joints. Foliation here & there at 45°-55° <u>Alteration & Veins:</u> A little grey calcite veining, minor pale green serpentine on 'slips' 229 - 232 ^ 50% lt grey calcite bx veins with tr Py 267.5-269.5 grey calcite veins + pervasive calcite alt'n 272 - 277 strong pervasive calcite alt'n.						
277.0	286.5	<u>CARBONATIZED SHEAR AND FAULT ZONE</u> 277-278.5 Grey intensely carb'd. (calcite) rock with lt. grey calc. veins 278.5-278.8 Thin banded calcite rich schist + gouge at 45° 278.8-283 Re-cemented angular fault bx of carb. rock, black f.g. chl'c rock vein qtz. + feldspar porphyry; with broken sections. 283 - 286.5 as above 277-278.5 <u>Alteration:</u> Intense, pervasive calcite <u>Mineralization:</u> tr Py here + there especially in grey carb rock at top & bottom.	24812 24813 24814 24815	276.5 278.4 280.1 284.0 287.0	278.4 280.1 284.0 287.0	1.9 1.7 3.9 3.0	tr - - tr	nil nil nil nil
286.5	330.8	<u>U.M. VOLCANICS</u> Dk. green - black f.g. to speckled - (med-grained) Alternating sections of speckled						

DIAMOND DRILL HOLE LOG

HOLE No.97-96

Pg. 4 of 13

Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		U.M. + f.g. U.M. with black hairline veins. Strongly mag. ; H=4-5; <u>Structure:</u> Foliation in places at 45°- 0° <u>Veins:</u> Minor lt. grey calc. + pale green serpentine inc; Strongly pervasive calcite alteration from top 294';					
330.8	361.5	<u>INTERMEDIATE - MAFIC FLOW(S)</u> dk. grey, f.g. relatively hard H=5 mostly non-mag. Relatively feldspar rich. <u>Structure:</u> Streaky flow(?) banding + isolated bx fragments; 354-364 streaky banding emphasized by bleaching at 30° <u>Alteration:</u> Only weakly altered bleaching as noted above; <u>Veins:</u> 348.5 - 1" qtz -cal. bx vein tr Py 35°- 40° <u>Mineralization:</u> Isolated tr Py	24816	347.7	348.7	1.0	tr 0.002
361.5	366.2	<u>ALTERED F.P. DYKE WITH MAFIC INCLUSIONS</u> 40% 1-10mm feldspar in dk. grey matrix; <u>Structure:</u> 365.6 fract. with a little gouge + calc. vein at 10° Cts at 5°-10°					
366.2	402.6	<u>U.M. VOLCANIC</u> Dk. green f.g. with some speckled m.g. sections; Strongly magnetic mod. hardness (H=4) -feels talcose; Serpentine, talc. - some carbonate. <u>Structure:</u> Some hairline black veinlets or foliation at 10°-20° <u>Alteration & Veins:</u> Minor white calc. veinlets & pale serpentine on slips; White fibrous mineral on slips at 368' <u>Mineralization:</u> tr Py on fractures. <u>Remarks:</u> Upper Ct 366.2 -368 altered c.g. pyroxenite(?) dyke.					
402.6	473.8	<u>FINE GRAINED DIABASE DYKE (Late)</u> Dk. grey-green, fine ophitic texture, even grained- med. grained in middle, mod. mag. (late diabase)					

DIAMOND DRILL HOLE LOG

HOLE No.97- 96

Pg. 5 of 13

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS		
				From	To	Length
		<p><u>Structure:</u> top contact at 15°, lower Ct ~60°</p> <p><u>Veins:</u> Minor black chl. veins near Lower Ct.</p> <p><u>Mineralization:</u> tr Py</p>				
473.8	501.6	<p><u>SPECKLED U.M. VOLCANICS</u> As above; section with black thread-like veins.</p> <p><u>Structure:</u> fol'n in places at 35°</p> <p><u>Alteration & Veins:</u> Pale green serpentine on slips. Minor lt. grey calc. veinlets.</p>				
501.6	507.1	<p><u>ALTERED MAFIC DYKE</u> Lt. grey f.g. H=4-5 non-mag.</p> <p><u>Structure:</u> Cts sharp + sheared at 80° + at 65°</p> <p><u>Alteration & Veins:</u> Strong bleaching alt; Fe-Mg minerals gone; Calc. alteration + veinlike at bottom. Lt grey calc veinlets here + there</p>				
507.1	759.0	<p><u>SPECKLED U.M. VOLCANICS WITH MASSIVE SERPENTINE</u> Dk. green-blue green, black med. grained speckled U.M. grading into sections of massive f.g. serpentinite. Composed mainly of serpentine, a little talc. dark chlorite, carbonate + diss'd magnetite mod. to strong mag. Sections with black, thread-like veining.</p> <p><u>Structure:</u> Massive with fol'd sections 40° at 520; 20° at 532; 10° at 556; 20° at 610° Sections of broken core with fract's nearly // to core at 554', 559'-56561'; 625'-631', 674'-679'</p> <p><u>Alteration & Veins:</u> Mod. to completely serpentized; lt. green serpentine on slips Minor thin lt. grey calc. veinlets with a few veins up to 1/2"</p>				
759	764	<p><u>CARBONATIZED MAFIC (?) VOLCANIC</u> Lt. grey with dk. green remnants f.g. Remnants mod. mag.</p> <p><u>Structure:</u> Streaky banding - contorted 20° -0° to 140° Fract.'d recemented with calcite 764 - calcite gouge at 45°</p>				

DIAMOND DRILL HOLE LOG

HOLE No.97-96

Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
		<u>Alteration & Veins:Sections of strong calcite + wispy white calcite ,veins;</u>						
764	778.6	<u>MASSIVE MAFIC VOLCANIC - (OR INTRUSIVE)</u> Dk. grey-green, f.g. H=4-5 Mod. mag. <u>Structure:</u> Relatively massive - weak fol'n schistosity at about 40° Streaky banding in lower part. <u>Alteration & Veins:</u> Minor epidote veins nearly lower Ct with minor Py.						
778.6	800.7	<u>FELDSPAR PORPHYRY INTRUSIVE</u> Dull med-grey matrix with 40-50% lt. grey-white 1-3mm feldspars + a few up to 8mm - zoned crystals 2-3% fine mafic. <u>Structure:</u> Mostly massive+ undeformed top 3' - foliated+feldspars aligned at 40°						
800.7	806.9	<u>FINE GRAINED MAFIC DYKES</u> Med.-dk. grey f.g. non-mag. <u>Structure:</u> Upper Ct at 80° , Lower Ct. , broken 803.4 - 3" septum of F.P. Lower 3' chilled.						
806.9	980.5	<u>FELDSPAR PORPHYRY INTRUSIVE</u> As above 778.6-800.7 <u>Structure:</u> Massive undeformed (no fabric) sections of broken core at 807' , 846.5-847.5' , 881'-893'; <u>Alteration & Veins:</u> Mostly unaltered: Minor sections of bleaching;Minor epidote-calc veining; 815-816' shattered with 4" gouge at 80° bleached + a little pale green mica + 1/2% tr Py 849.3-849.8 orange-red alt'n (hem) + 1% Py + white calcite veinlets 45° 899.5-901.3 bleached, +/- weak sil'n + calc. veinlets + tr Py 970.5-978.5 -Strong alt'n - pale green, calc; minor lt grey q.v. + fine Py. <u>Remarks:</u> 846.5-847.2_bleached:chilled mafic dyke (diabase) at 20°	24817 24818 24819 24820 24821 24822 24823	813 815 816 849 899.5 970.4 973.5	815 816 817.6 850.5 901.3 973.5 976.0	2.0 1.0 1.6 1.5 1.8 3.1 2.5	- tr - 1/2 tr 1/2-1 tr	0.001 nil 0.001 nil nil nil nil
980.5	993.8	<u>BLEACHED FINE-GRAINED MAFIC DYKE (LATE DIABASE)</u> Med. dk. grey - f.g. ophitic texture;strongly mag. where not bleached.						

DIAMOND DRILL HOLE LOG

HOLE No. 97-96

Pg. 7 of 13

Ft		DESCRIPTION	Sample				ASSAY					
From	To		Number	From	To	Length	% Py	opt Au	S			
		<p><u>Structure:</u> Upper Ct chilled at 45°; Lowest chilled at 35° - 40°</p> <p><u>Alteration :</u> Most of dyke bleached + some pervasive calc.</p> <p><u>Remarks:</u>Inclusions or septa. 983.3-984.7 and 991.1 - 991.6;</p> <p><u>Mineralization:</u>tr Py</p>										
993.8	1107.7	<p><u>MASSIVE FELDSPAR PORPHYRY INTRUSIVE</u> As above; non- mag.</p> <p><u>Structure:</u> Massive to wealy fact'd with lt. grey calcite cement; 995-998 - Shattered + re-cemented with chl. etc. Minor sections broken core</p> <p><u>Alteration & Veins:</u> Most is relatively fresh & unaltered Zones of weak alt'n where feldspar phenocrysts obliterated</p> <p>995-998 altered, texture obliterated, minor chl. cement, tr diss'd Py, include. 2" c.g. calcite vein;</p> <p>1050.6-1051.4: pale green mica, calcite veinlets + 1% fine Py.</p> <p>1088.6-1090.6: bleached + calc. veinlets, diss'd Py</p> <p><u>Mineralization:</u> tr diss'd Py with carb. veinlets & bleached altered zones - See above</p>	24824	995.1	998.0	2.9	tr	nil				
			24825	998.0	1003	5.0	-	nil				
			24826	1050	1052	2.0	tr-1/2	nil				
			24827	1088.6	10906	2.0	tr-1/2	nil				
1107.7	1156.9	<p><u>MASSIVE SPECKLED U.M. - SERPENTINE</u> Dk. green-black; speckled, fish roe textured alt'd olivines; Primary olivine (?) near top; Downward interlayered with serpentine rich material; Strongly mag.</p> <p><u>Structure:</u> Mod. - strongly fract'd with calc. -& chrysotile veining; A little broken core from 1150.5-1151.6)</p> <p><u>Lost Core</u> ('mislatch'), 3.4 ' ground within interval 1108-1112.2'</p> <p><u>Alteration & Veins:</u>Mod.- strongly serpentinized. 1119-1122 - mottled lt. grey green pervasive calcite alteration.</p> <p><u>Mineralization:</u>Section of v.f. diss'd Py; Grains of <i>chromite</i> identified by F.Puskas at bottom;</p>										
			24828	1122	1127	5.0	tr	nil	opt. Au 0.1	ppm Ag 80	ppm Co 2	pp Ni 212
			24829	1127	1132	5.0	tr	nil	opt. Au 0.1	ppm Ag 84	ppm Co 3	pp Ni 202

DIAMOND DRILL HOLE LOG

HOLE No. 97-96

Pg.8 of 13

Ft From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
1156.9	1164.0	<p><u>ALTERED MAFIC (or Intermediate) DYKE</u> Lt. to dk. grey - fine even grained or with sparse altered 1-3mm feldspar phenocrysts(?) ophitic or remnant ophitic texture; lt. sections hard & dk. section relatively soft; <u>Structure:</u> Upper ct. chilled at 70°, lower ct. uncertain, (light grey section may be silicified U.M.); Indistinct foliation at ~70°;</p>						
1164.0	1315.5	<p><u>SERPENTINE WITH MASSIVE SPECKLED U.M.</u> Dk. green f.g. to speckled fish roe texture;Serpentine-rich with sections of only moderate serpentinization.Mineralogy serpentine +/- talc, primary olivine(?) fine magnetite, a little dk. chl. in hair-line fract's: Strongly mag. <u>Structure:</u> Mod. - strongly fract'd with carb. + chrysolite in fract.Section of broken core: of 1181,1185-1190,1199-1210' 1308-1312: Small pillows - buns &/or polysuture joints ; <u>Alteration & Veins:</u>Sparse calcite veinlets thin chrysotile + dolomitized chrysotile veinlets are common in strongly serpentinized sections; some pale green serpentine on fract. & slips. Up to 1% short fibre asbestos (chrysotile) <u>Mineralization:</u>Scattered grains chromite Diss'd fine Py here + there tr % -1/2% in places <u>Remarks:</u>Probably flow Ct at bottom;</p>						
1315.5	1334.5	<p><u>FINE GRAINED U.M. FLOW</u> Dk. grey green(lt. dusty grey on dry surface) f.g. alt. mafic min. strongly mag. H=5 <u>Structure:</u> Close spaced hairline, black fract,some polysuture jointing; <u>Mineralization:</u> isolated tr fine diss'd Py</p>						
1334.5	1385.0	<p><u>SHEARED, ALTERED U.M. VOLCANICS</u> Dk. green, f.g. soft talcose, weakly magnetic to non-mag; <u>Structure:</u> Wispy, streaky fol'n + schistosity at 30° to 0° Sections broken core + a little gouge from 1338-1356' <u>Alteration & Veins:</u>Weakly carb'd + carb. incl.calc. veinlets + partings increasing downward until 1377 - bottom where it is a banded carb. rock: Veinlets of white calcite up to 1/2" with up to 5% blebs + diss'n of Py</p>	24830 24831	1378.0 1381.0	1381.0 1385.0	3.0 4.0	tr tr	nil 0.001

DIAMOND DRILL HOLE LOG

HOLE No.97-96

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Ft From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<u>Mineralization:</u> tr diss'd Py in carb'd rock - See Veins;					
1385.0	1516.5	<u>MASSIVE DIABASE</u> Dk. grey green - f.m.g. ophitic texture strongly mag. m.g. sections speckled with up to 2-3% magnetite. <u>Structure:</u> Upper Ct at 45° chilled, broken Lower Ct broken chilled - 40° <u>Veins:</u> Very minor lt. grey calc + isolated epidote veinlets <u>Mineralization:</u> Scattered grains dk. Py - interstitial <u>Remarks:</u> 1438 - double internal chill - at least 2 dykes					
1516.5	1518.8	<u>FRACT'D MAFIC (LAMPORPHYRE) DYKE -FAULT</u> F.g. m.grey H=4-5; speckled with fine alt'd mafic phenocrysts, non-mag. <u>Structure:</u> sheared fract'd with gouge up to 1/2" at 40° - 55° <u>Veins:</u> 1/4 - 1/2" lt. grey qtz. 1516.7' Minor 1/8-1/4" red feldspathic veins <u>Mineralization:</u> tr diss'd Py	24832	1516.5	1518.8	2.3	- 0.002
1518.8	1527.5	<u>ALTERED MAFIC (LAMPORPHYRE) DYKE</u> As above <u>Structure:</u> Mod. fract. with calc. + qtz. cement. <u>Alteration & Veins:</u> Minor 1/8-1/4" red feldspathic veinlets 1519-1520.5 Minor lt. grey calc. + white q.v. up to 1/8" <u>Mineralization:</u> tr diss'd Py	24833	1518.8	1523.0	4.2	- nil
1527.5	1648.9	<u>MASSIVE MAFIC FLOW(S) (OR INTRUSIVES?)</u> Med.-dk.grey-f.g. H=5 Non-mag. flecked with 1mm randomly oriented alt'd feldspar - remnant ophitic texture ; <u>Structure:</u> Streaky banding + wispy epidote-calcite <u>Veins</u> suggest flow struct. -weak foliation at 35° - 50° Broken core 1604.5-1606.5; 1646.5-1647.5'					

DIAMOND DRILL HOLE LOG

HOLE No. 97-96

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Ft. From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
		<u>Alteration & Veins:</u> A few thin epidote-calcite veinlets,wispy branching; 1530.5 - 3" banding calc. + - wall-rock partings at 70°.Minor veinlets pods of hard red (feldspathic?) material at 1604.4'	24834	1604.3	1605.2	0.9	-	nil
		<u>Mineralization:</u> tr Py diss'd + with epidote-calcite veinlets.						
		<u>Remarks:</u> Unit very massive + not certain if it is a flow or intrusive;						
1648.9	1661.5	<u>ALTERED MAFIC VOLCANIC (OR INTRUSIVE)</u> As above;						
		<u>Structure:</u> Mod. fract'd cemented with epidote + calcite;						
		<u>Alteration & Veins:</u> 2-3% small spots 1/8"-1/2" + small veinlets red feldspathic material and dull red diffuse staining (red alteration - hematite)	24835	1648.9	1652	3.1	tr	nil
		Fine veinlets of epidote calcite cut the red alteration.	24836	1652	1655	3.0	tr	nil
			24837	1655	1657.5	2.5	1/2	nil
			24838	1657.5	1661.5	4.0	tr	nil
		<u>Mineralization:</u> tr - 1/2% fine diss'd with red alteration.						
1661.5	1713.5	<u>MASSIVE MAFIC FLOWS? (OR INTRUSIVE)</u> As above 1527.5-1648.9						
		<u>Structure:</u> Massive weakly fract'd cemented with epidote + calcite.						
		<u>Alteration & Veins:</u> A few % lt. grey calcite + epidote-calcite veinlets. Epidote increases downward; Weak red staining in bottom 4'						
		1671.5 - 1/2 white c.g. calc. vein at 65°						
		<u>Mineralization:</u> tr Py with epidote						
1713.5	1760.3	<u>ALTERED FELDSPAR PORPHYRY INTRUSIVE</u> Dk. grey - (orange red where altered) f.g. matrix 45°- 50° 1-3mm square feldspar up to 6mm; non-mag.						
		<u>Structure:</u> Massive uniform - as fabric weakly fract'd with calcite + epidote cement;						
		Sparse f.g. mafic inclusions; Upper Ct ^40°- 45°						
		<u>Alteration & Veins:</u> Sections of weak to strong red alteration varies from staining to partial obliteration of texture	24839	1713.3	1718.0	4.7	tr-1/2	nil
		1713.4-1718.3 weakly red alter'n;	24840	1718.0	1720.2	3.2	1/2-1	nil
			24841	1720.2	1723.5	3.3	tr	nil

DIAMOND DRILL HOLE LOG

HOLE No. 97-96

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Ft.		DESCRIPTION	Sample				ASSAY	
From	To		Number	From	To	Length	% Py	opt Au
		1718.3-1720 strong red alter'n;	24842	1732.5	1734.5	2.0	-	nil
		1733-1737 weak to strong red alter'n	24843	1734.5	1736	1.5	tr	nil
		1746-1753.2 short sections weak red alter'n;	24844	1736	1738	2.0	-	nil
		1758.2-1760.3 weak red alter'n;						
		Minor epidote calcite veinlets	24845	1746	1750.0	4.0	tr	0.001
			24846	1750	1753.2	3.2	tr	nil
			24847	1753.2	1758.0	4.0	-	nil
		<u>Mineralization:</u> tr - 1/2% diss'd Py with red alter'n.	24848	1758.0	1760.5	2.5	tr	nil
		<u>Remarks:</u> Thin F.P. f.g. + not identical to one at 1000'						
1760.3	1787.5	<u>GREY FELDSPAR PORPHYRY INTRUSIVE</u> As above, same dyke.						
		<u>Structure:</u> Lower Ct at 50°						
		<u>Alteration & Veins:</u> Minor lt. grey calcitine + calcit-epidote; with tr Py						
1760.3	1787.5	<u>GREY FELDSPAR PORPHYRY INTRUSIVE</u> As above -same dyke.						
		<u>Structure:</u> Lower Ct at 50°						
		<u>Alteration & Veins:</u> Minor lt. grey calcite + calcite epidote with tr Py;						
1787.5	1862.7	<u>MASSIVE MAFIC FLOWS (OR INTRUSIVE)</u> As above. 1527-1548 F.g. dk. grey-green even feldspar a few fine mafic phenocrysts -indistract ophitic (or remnant ophitic) texture; Non-mag.						
		<u>Structure:</u> Massive uniform. No flow structures except possible thin inter flow sediment (2") at 1814';						
		<u>Alteration & Veins:</u> Minor lt. grey - white calcite ;Minor epidote-calc. veinlets, 1840.3 Isolated blebs red altered material with minor Py;						
		<u>Mineralization:</u> Isolated tr Py						
1862.7	1864.7	<u>GREY FELDSPAR PORPHYRY DYKE</u> As above 1760.3-1787.5 Cts at 80°						

DIAMOND DRILL HOLE LOG

HOLE No. 97-96


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Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
1864.7	1871.5	<u>MASSIVE MAFIC FLOW(S) OR (INTRUSIVES)</u> As above						
1871.5	1892.0	<u>ALTERED MASSIVE MAFIC VOLCANICS</u> As above with strongly altered sections <u>Structure & Alteration:</u> 1871.5-1873.7 and 1876.2-1877 Strongly fract'd + angular bx'n with calcite epidote + chl filling + a little strong sil'n of fragments; - preferred fract. direction at 50°- 60° + lt. grey calc.-bleached patches with blebs + diss'n Py up to 5%/2" + tr Cp 1877.3-1888.1 lt. grey patches, streaks, veinlets of fine carb(incl. calcite) + qtz. with 5-10% Py + tr Cp affects 5% of section 1888.1-1890.7 - 25% carb-qtz. Py patches 1890.7-1892 qtz. carb veinlets + Py light grey - white calcite veinlets up to 1/2" here + there throughout; <u>Mineralization:</u> See above	24849 24850 24851 24852 24853 24854 24855 24856 24857	1871.5 1873.7 1874.7 1877.3 1880.0 1882.0 1885.0 1881.0 1890.7 1892.7	1873.7 1874.7 1877.3 1880.0 1882.0 1885.0 1890.7 1892.7	2.2 1.0 2.6 2.7 2.0 3.0 3.1 2.6 2.0	tr 1-2 1/2 1/2 1 1/2-1 1-2 3-4 1-2	0.001 0.059 nil nil 0.001 nil nil 0.001 0.001
1892.0	1945.0	<u>MASSIVE MAFIC FLOWS (OR INTRUSIVE)</u> As above 1787.5-1862.7 uniform, slightly c.g. section from 1909-1930 may be middle of thick flow or sill - (grain size =0.5mm) <u>Structure:</u> weakly fractured, massive, uniform; <u>Veins:</u> Minor qtz.-carb. (include. calc.) veinlets up to 1/4" with tr Py + tr Cp at 1918.7' <u>Mineralization:</u> See above. Scattered grained dk. Py						
1945.0	1978.35	<u>FINE GRAINED MAFIC FLOWS</u> Dk. green, very fine, even grained. H=4-5 <u>Structure:</u> Massive with indistinct flow struct. here + there Streaky banding + 'sheeted' fracturing may mark flow features? 'Hackley' uneven fractures.	24858 24859 24860 24861 24862 24863 24864	1949 1953 1957 1961 1965 1970 1973 1976	1953 1957 1961 1965 1970 1973 1976	4.0 4.0 4.0 4.0 5.0 3.0 3.0	1/2-1 tr-1/2 tr tr 1/2 1 1	0.001 0.001 nil nil 0.001 0.001 nil

DIAMOND DRILL HOLE LOG

HOLE No. HC97-96

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FT From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<p><u>Alteration & Veins:</u> 1-2% epidote-calc veinlets + tr Py; Minor white to lt. grey calcite veinlets. Minor white qtz.-calc. veinlets</p> <p><u>Mineralization:</u> Minor Py with calc. + qtz. calcite as isolated veinlets + scattered small blebs + grains - mostly dk.</p> <p>Tr Cp with qtz. at 1955.3'</p> <p><u>END OF HOLE</u></p> <p><u>GENERAL COMMENTS</u></p> <p>(1) Tyrinite main structure not recognized with certainty, It is probably marked by small fault at 1516.5-1518.8 and most of the 'structure' is dyked out by late 'diabase dyke' from 1385-1516.5</p> <p>(2) No significant values expected in dh.</p> <p>(3) Geochemically anomalous gold expected here and there from 1713-1760'</p> <p>A.W.Beecham. 25th March 1997.</p> 					
1978.35							
FT							

Property	Tp	Azimuth	Date started	Corrected Dip	Tests	(°)	Remarks	Location Sketch
Tyranite	Knight Tp.	Grid 265-270°	20th Jan. 1997	Depth	Mag Az	True Az	Dip	
Project	Lot & Conc.	Dip-45°	Date Completed	200'	273°	264°	45°	
			23rd Jan.1997	521.7'	273°	264°	45°	
Claim # GG6649	Co-ordinates	Length (metres)	Drilled by:					
(lease)	N E	521.7'	St.Lambert D.					
Grid # Underground:	3521.55	6672.03	Logged by:					
Surface:	10+80N	9919.65	A.W. Beecham					

Ft From	To	DESCRIPTION	Sample			ASSAYS		Avg.
			Number	From	To	Length	% Py	
0	11.5	Objectives:- Test down plunge from high grade intersection in 1316-10 <u>CASING</u> <u>GREY DIORITE</u>						
11.5	70.0'	Med-grey-med. coarse grained, equigran to weakly porphyritic, some small elongate feldspar, 65-85% 1-3mm feldspar, 15-35% clusters + interstitial dark green, chloritized mafic; mod. magnetic; 5-10%, 5mm-10mm mafic inclusion, scattered large(5cm) mafic inclusions; <u>Structure:</u> Massive, undeformed. <u>Alteration & Veins:</u> Most fresh + unaltered . Minor pink streaks. <u>Mineralization:</u> tr Py throughout. <u>Remarks:</u> 0.6' at top red brown feldspar mica lamp. could be boulder.						
70.0	165.7	<u>SYENODIORITE</u> As above with 10-15% mafics. Weakly-mod magnetic; lt. grey usually pink. <u>Struct:</u> Massive, unaltered - intursive bx at top -see remarks. "sand seam" at 157.5'	4701	93.5	97.0	3.5	tr	nil
		<u>Veins;Alteration:</u> 94-99.0 minor pink siliceous streaks. 97.5 minor pink qtz white calc. tr Py 45° <u>Min:</u> See Veins: tr Py here + there; <u>Remarks:</u> 70 -96.5 15% 0.3-1.5 ft. mafic inclusions 84-84.7 Feldspar porphyry dyke;	4702	97.0	99.0	2.0	tr	0.001
165.7	222.0	<u>MAFIC -ULTRA MAFIC VOLCANICS</u> Dk. grey-green f.g. normal metabasalt with talcose sections; strongly magnetic.						

Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
		<p><u>Struct:</u>Mostly massive - flow structured 199 - close packed bx or polysuture joints. Sections of broken core 0.5-1ft.</p> <p><u>Alt. & Veins:</u>No significant alt'n. Minor calcite - Qtz. + calcite veinlets; 182-183 - 1/2" lt. grey calcite veinlets;</p> <p><u>Min:</u>tr - Py here + there;5% over 0.3 at 182'</p> <p><u>Remarks:</u>172.7 - 174.8 syenodiorite dyke 187.0 - 189.0 syenodiorite dyke 206.7 - 209.5 syenodiorite dyke</p>	4703	181	183	2.0	1	nil
222.0	247.0	<p><u>Fractured Mafic U.M. Volcanics - Fault Zone</u> As above</p> <p><u>Struct:</u>Broken core throughout with gouge seams here + there include.2" at 235.5; fractures at 45.60, 20°</p> <p><u>Veins:</u>Calcite in gouge + as minor lt. grey veinlets;</p>						
247.0	288	<p><u>MASSIVE MAFIC-ULTRAMAFIC VOLCANICS</u> As above; strongly magnetic.</p> <p><u>Struct:</u>225.5 1/2" gouge at 45° Schistosity in bottom 2' 2' at about 45°</p> <p><u>Alteration & Veins:</u>A few % lt. grey calcite veins; strongly pervasive calcite from 278 - end of unit.</p> <p><u>Min:</u>Nil.</p>	4704 4705	278 283	283 288	5.0 5.0	- -	0.001 -
288	304	<p><u>ALTERED SYENODIORITE</u> Med. coarse grained brick red 90% feldspar; 5-10% chl.'d mafics mod.magnetic - strongly altered sections - non mag.</p> <p><u>Struct:</u> Massive - weakly fract. Strong alt. sstreaks + q.v. at 45°</p>	4706 4707 4708 4709	288 292 295 300	292 295 300 303.3	4.0 3.0 5.0 3.3	tr 1 tr 1	0.008 0.010 0.001 0.053

DIAMOND DRILL HOLE LOG

HOLE No. 97-223

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Ft. From	To	DESCRIPTION	Sample Number	From To		Length	ASSAYS	
				From	To		% Py	opt Au
		<u>Alteration & Veins:</u> A few % white green qtz +/- calc. up to 1/2"; white qtz. in centre of strong red alt'n; pervasive and strong streaks red (hem-carb) alteration. <u>Min:</u> diss'd Py up to 3% - 4% over 2" qv. selvages.						
303.3	320	<u>GREY SYENODIORITE</u> As above; mod. mag. <u>Struct:</u> Mass; weakly fract'd. <u>Alt:</u> Weakly altered - indistinct feldspar.	4710	303.3	308	4.7	tr	0.001
			4727	308	313	5.0	tr	0.003
		<u>Remarks:</u> 310.3 - 0.6ft. include. mafic volc.	4711	313	318	5.0	1/2	nil
			4712	318	321.5	3.5	tr	nil
320	328	<u>ALTERED SYENODIORITE</u> As above <u>Struct:</u> Mod. -strongly fract'd at 20° - 35°	4713	321.5	325.0	3.5	1-2	0.016
		<u>Alt; & Veins:</u> Weak pervasive red with strong orange red alt'n with white q.v. up to 1/2" + up to 3-4% Py over 3" in vein selvages; - 327.41/2" grey q.v. with 5 small clusters v.g.	4714	325.0	328.0	3.0	1(v.g.)	0.079
		<u>Min:</u> See veins.						
328	334.8	<u>DIORITE</u> Dk. grey, 80-90% feldspar +/- biotite +/- hornblende - could be type of lamp. dyke;	4715	328	333	5.0	-	0.001
334.8	352.4	<u>ALTERED MAFIC VOLCANICS</u> Dk. grey-green, f.g. mod. to hard; mag. <u>Struct:</u> Shattered + recemented.						
		<u>Veins & Alt:</u> 342 - 352 -30% light grey diffuse calcite	4716	333	338	5.0		nil
		strongly pervasive calcite	4717	338	343	5.0		0.003
		A few % white calcite veinlets	4718	343	348	5.0		nil
		349 - 352 - 50% carb. include. e.g, pink calcite	4719	348	352	4.0		0.006
		<u>Min:</u> wisps + streaks Py in bottom 2'						

DIAMOND DRILL HOLE LOG

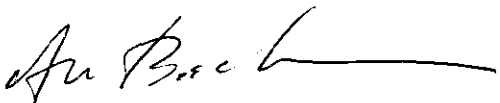
HOLE No.97-223

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
352.4	370.7	<u>ALTERED SYENODIORITE</u> As above; red, pink, lt. grey <u>Struct:</u> Strongly fractured + recemented; Some incipient bx'n <u>Alt. & Veins:</u> 352.4 -362 most strong red alt'n 362 -370.7 strong pervasive sil'n + a little red red alt; Minor chl. in cracked sections. A few % lt. grey calc veinlets <u>Min:</u> Diss'd Py with brick red streaks, 'red alt'n' in upper part + with sil'n in lower part. 354.3 -isolated small blebs Cp in calcite veinlets:						
			4720	352	357	5.0	1	0.011
			4721	357	361.5	4.5	1/2	0.010
			4722	361.5	365.0	3.5	1-2	0.006
			4723	365	367.5	2.5	3-4	0.019
			4724	367.5	370.7	3.2	2	0.010
370.7	402.5	<u>MASSIVE MAFIC (U.M.) FLOWS</u> Dk. grey, f.g. relatively soft mostly carbonate + a little chl. Strongly magnetic; slightly talcose. <u>Struct:</u> Mostly massive; some calc. vein may mark polysuture joints; mod. fr'd; minor broken core; top 1.5 - 2' sheared + bx'd. <u>Veins & Alteration:</u> Seems to be pervasive carb'd (non-fizzy) A few % lt. grey calcite veinlets up to 1/4" 0.6' shattered grey calc. minor qtz. vein with 3-4% dips fine Py in selvage + adjacent sheared volcanics. <u>Min:</u> See 'Veins'						
			4725	370.7	372.3	1.6	4	0.003
			4726	372.3	377.0	4.7	-	0.001
402.5	407.2	<u>FRACT'D SYENODIOR. DYKE</u> Lt. grey, m.g. feldspar rich; <u>Struct:</u> Shattered, broken throughout. <u>Alteration:</u> Non-mag. + appears to be weakly sil'd throughout . Minor red alt'n in middle. <u>Min:</u> tr Py						
			4728	402.5	407.2	47	tr	0.005

DIAMOND DRILL HOLE LOG

HOLE No.97-223

Pg. 5 of 5

Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
407.2	443.3	<p><u>MAFIC ULTRAMAFIC VOLCANICS</u> As above. Dk. grey green, f.g. H=4-5 strongly magnetic.</p> <p><u>Struct:</u>Massive or indistinct bx +/- polystructure joints. 407.7 -408.7 broken with gouge seams up to 1/4" - small fault</p> <p><u>Alt. & Veins:</u>Minor white calc. veinlets</p> <p><u>Remarks:</u>423.4-427.2 med. feldspar porphyry dyke.</p>					
443.3	457.5	<p><u>FELDSPAR PORPHYRY DYKE</u> Med. dk. grey matrix 40% 1-3m Lt. grey feldspar pheno x; non-mag.</p> <p><u>Struct:</u>Middle so massive, + flow band 2-3' from contacts</p> <p><u>Min:</u>tr Py as scattered grains + on fractures</p>					
457.5	471.5	<p><u>MASSIVE - POLY-SUT. JOINTED MAFIC U.M. FLOWS</u> As above 407.2 - 443.3</p> <p><u>Struct:</u>Minor broken core</p>					
471.5	521.7	<p><u>MAFIC U.M. FLOWS</u> Med. to dk. grey-green. f.g. + uniform to speckled (as seen near main zone) Speckled are 2-3mm augen with black chl. matrix. Strongly mag. H=5 A little bladed to massive spinifex</p> <p><u>Structure:</u>Polysuture joints?</p>					
(159m)	521.7	<p>END OF HOLE. A.W. Becham 25/1/97</p> 					

Property	Tp	Azimuth	Date started	Corrected	Dip	Tests	(°)	Location Sketch
TYRANITE	KNIGHT TP	grid 265-270>true	23rd Jan. 1997	Depth	Mag. Az	True Az	Dip	
Project	Lot & Conc.	Dip	Date Completed	200'	280°	271°	40°	*
Duggan Zone		-41°	26th Jan.1997	443'	278°	269°	40°	
Claim # GG6649 (lease)	Co-ordinates	Length (metres)	Drilled by:	561'	273.5°	264°	41°	
	N	E	561.0'	St.Lambert Drill.				
Grid # Underground	3577.25	6717.94	Collar Elevation	Logged by:				* read by driller
Surface	11+30		9929.61	A.W. Beecham				

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS			Avg.
				From	To	Length	
		OBJECTIVES: TEST DOWN PLUNGE FROM HIGH GRADE INTERSECTION IN D.H. 1316-10.					
0	9.8	<u>CASING</u>					
9.8	116'	<u>GREY DIORITE</u> Med - lt. grey, med- c.g. equigrannular to slightly porphyritic 60-80% feldspar 15-40% mafics - hornblende A few % 0.5-2cm mafic inclusion <u>Struct:</u> Massive undeformed, scattered inclusions 5-20cm of gabbro + mafic volc. <u>Alt. & Veins:</u> Relatively fresh + unaltered <u>Remarks:</u> Lower contact alternating sections of diorite + syenodiorite.					
116	203.5	<u>GREY SYENODIORITE</u> Med. lt. grey -some texture as above but only with 10-15% mafics Inclusive mafic volc. + gabbro <u>Struct:</u> Massive - weakly fr'd. <u>Alt. & Veins:</u> Minor epidote - calcite veinlets; <u>Remarks:</u> 1.3' maf. volc. inclusion at 201'					
203.5	220	<u>MAFIC - U.M. VOLCANICS.</u> dk. green, blue-green, f.g. H=3-4 Magnetic. Composed of carb (non-fizzy) chl + a little talc. <u>Struct:</u> Strongly fract'd - fractures parallel to core- broken					

DIAMOND DRILL HOLE LOG

HOLE No. 97-224

Pg. 2 of 5

Ft From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
220	250.7	<u>SYENODIORITE - MAFIC VOLC. INTRUSIVE BX</u> As above - 70% syenodiorite -30% mafic volcanics. volc. sections up to 6' <u>Struct</u> :strongly fract. - broken sections;					
250.7	304.0	<u>MAFIC - U.M. FLOWS</u> Dk. green- blue green H=4; Mostly f.g. Bladed apinifex texture 264-269' Mostly non-fizzy carb. chlorite + a little magntite; strongly negative <u>Struct</u> :Polysuture joints, some bx or massive * fract'd - perferred orintation nearly parallel to core; Sections of broken core. <u>Alt; & Veins</u> :Minor white calcite veins + sections of pervasive calcite alt'n Strong bleaching + pervasive calcite 303-304' <u>Remarks</u> :Probably komatiitic basalt;					
304.0	317.8	<u>ALTERED SYENODIORITE</u> Pink, lt. grey, med. to f.g. H=5-6, non-magnetic. <u>Struct</u> :Shattered + re-cemented <u>Alt; & Veins</u> :Mod. strong pervasive sil'n. A little weak red alt. Texture obliterated Minor white qtz. veinlets. <u>Min</u> :1-2 -2% diss'd Py in sil'd + red alt'd zones <u>Remarks</u> :307-310 - grey bleached mafic volc. with strong calc. - alt. + veining.	4729 4730 4731 4732 4733 4758	300 304 307 310 314 317.8	304 307 310 314 317.8 321.0	4.0 3.0 3.0 4.0 3.8 3.2	- 0.001 tr 0.010 tr-1/2 0.067 1-2 0.031 - 0.018 - 0.001
317.8	353	<u>MAFIC - U.M. VOLCANIC BRECCIA</u> As above H=4 magnetic. <u>Struct</u> :Primary volc. bx. + short section shearing in top 4' at 45° at 320' Sections broken here + there.					

DIAMOND DRILL HOLE LOG

HOLE No. 97-224

Pg.3 of 5

Ft. From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
		<u>Alt. & Veins:</u> Strong pervasible calc. numerous calcite veinlets in top 5' A few white calcite veinlets with tr Py						
353	387.4	<u>ALTERED SYENODIORITE - INTRUSIVE BX.</u> As above, pink to dull red magnetic except where strongly altered. Up to 20% mafics -15-20% mafic - u.m. volc. angular, fragments up to 1'	4734	354	357	3.0	tr	0.002
			4735	357	361.5	4.5	1-2	0.039
			4736	361.5	365	3.5	tr	0.001
		<u>Struct:</u> Mostly undeformed - altered sections appear shattered.	4737	365	370	5.0	-	nil
			4738	370	373	3.0	tr1/2	nil
		<u>Alt. & Veins:</u> Sections of strong red alteration 355-361 and 373-376' Minor white calc. veinlets: minor sil'n around volc. include. in otherwise unaltered rock.	4739	373	376.7	3.7	1/2	0.002
			4740	376.7	379.0	2.3	-	0.002
		<u>Min:</u> 2-3% Py - some coarse (3mm) Py with white calcite.						
387.4	439.0	<u>MASSIVE MAFIC - U.M. VOLCANICS</u> As above. dk. blue green, f.g. H=4; magnetic.						
		<u>Struct:</u> Massive; or with polysuture joints. 437.5 - 438.1 Strong shear at 50° with a little gouge						
		<u>Alt. & Veins:</u> 2-3% white calc; veinlets except below 420 where calc. veins increase to 5-8% 435-438 8-10% white calc. + calc. qtz. vein in bleached + pervasively calc. altd. zone; 437.5 - 438 30% dull grey mottled sil'n - q.v. + 20% wispy white q.v. along shear at 50° with 2-3% fine Py; minor lt. grey qtz. bx.	4741	434	437.5	3.5	-	0.001
		<u>Min:</u> tr Py in grey calc + qtz calc veinlets. See veins tr Cp Sph 438 in hairline q.v.	4761	437.5	439.0	1.5	3	0.118
439.0	474.5	<u>ALTERED SYENODIORITE</u> As above. Dull red + grey, slightly alt'd to bright orange- red where strongly altered						
		<u>Struct:</u> 445-450 intrusive bx to 30% alt'd maf. volc. inclusions. Strongly alt'd sections appear shattered + recemented..	4742	439	442	3.0	2-3	0.012
			4743	442	445	3.0	2-3	0.014
			4744	445	450	5.0	1	0.009
		<u>Alt. & Veins:</u> Discontinuous + strong orange-red alt. (hem, carbonate silica?) Red alt'n pervasive from 439-445 and affects only 25% of rock below-controlled by fract.	4745	450	455	5.0	1/2-1	0.002
			4746	455	459	4.0	2	0.013

DIAMOND DRILL HOLE LOG

HOLE No.97-224


Pg. 4 of 5

Ft. From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
		with calc.-qtz. calc.	4747	459	463	4.0	tr	0.003
		Minor white qtz up to 3/8 e.g. at 448'	4748	463	467	3.0	1-2	0.009
		Mod. pervasive calc with strong red alt'n. Some coarse Py with grey calc.	4749	467	470	3.0	1/2	0.002
		Blebs dk. Py (5% over 0.5') at 444.7' + at 444'	4750	470	474	4.0	1/2-1	0.023
474.5	502	<u>RED ALTERED SYENODIORITE</u>						
		As above relatively coarse grained with 20-25% mafic incl..	4751	474	479	5.0	-	0.001
		some 1cm hornblende. Mod. mag.	4752	479	484	5.0	tr -1/2	0.002
			4753	484	489	5.0	tr	0.006
		<u>Struct:</u> Mostly massive, undeformed except short altered sections which appear shattered + recemented; Lower Ct as a fault	4754	489	494	5.0	-	nil
			4755	494	499	5.0	tr	nil
			4756	499	502	3.0	tr	nil
		<u>Alt. & Veins:</u> Mod. strong brick red alt near Cts + only weakly alt'd in middle						
		Short sections strong red alt texture obliterated e.g. at 482' + 497- end in thin sections red alt'n.						
		<u>Min:</u> Minor fine Py with red alt'n.						
502.0	520.	<u>FRACTURED MAF-VOLC. - FAULT ZONE</u>	4757	502	505	3.0	tr	nil
		As above.						
		<u>Struct:</u> Strong fault at top makes by 4" gouge - minor gouge elsewhere. Fractures + broken throughout.						
		<u>Min:</u> 2-5% Py in 4" gouge at top.						
520.	542.	<u>FELDSPAR PORPHYRY DYKE</u>						
		Lt. grey with dk. grey at contacts.						
		Med. - f.g. rock.						
		^50% chl'd mafic; non-mag.						
		<u>Struct:</u> Middle is massive with flow banding up to 7' from contacts at 40°						
		<u>Mod. fract'd.</u>						
		<u>Alteration:</u> Lt. grey colour - probably bleaching						
			4759	527	532	5.0	1/2	nil
		<u>Min:</u> 1/2% diss. Py throughout	4760	532	537	5.0	tr-1/2	nil
542	550	<u>FRACTURED MAF. U.M. VOLC. - FAULT ZONE</u>						
		As above.	4762	537	542	5.0	tr	nil
			4763	542	547	5.0	tr-1/2	nil
		<u>Struct:</u> broken throughout, a little gouge	4764	547	551	4.0	tr-1/2	0.001

DIAMOND DRILL HOLE LOG

HOLE No. 79-224

Pg. 5 of 5

Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<u>Min:</u> Minor coarse Py with calc. in fractures.					
550.	561.0	<u>MAF, U.M. VOLCANICS</u> As above; Coarse bladed spinifex 550-555. <u>Struct:</u> Some fine flow bx-chl matrix; <u>Min:tr</u> - minor Py on fractures					
	561.0	<u>END OF HOLE</u> <u>GENERAL REMARKS:</u> 437.5 - 474 Mineralized syenodior, sheared, faulted contact with komatiitic volc. similar setting to main Tyrinite structure; Expect significant values 445-474ft. A.W.Beecham. 					

TYRANEX GOLD INC.

DIAMOND DRILL HOLE LOG

HOLE No. 97-225

Property	Tp	Azimuth	Date started	Corrected	Dip	Tests	(°)	Location Sketch
TYRANITE	KNIGHT TP	265grid -270°true	26th Jan. 1997	Depth	Mag. Az	True Az	Dip	
Project	Lot & Conc.	Dip	Date Completed					
DUGGAN ZONE		-44°	28TH Jan.1997	200'	279°		44°	
Claim # GG 6649 (lease)	Co-ordinates	Length (metres)	Drilled by:	590.6'	270°		44°	
	N	E	St.Lambert					
Grid # Underground	3903.09	6619.37	Collar Elevation	Logged by:				
Surface	14+45		9917.96	A.W. Beecham				

Ft. From	To	DESCRIPTION	Sample				ASSAYS				
			Number	From	To	Length	% Py	opt Au	Mo ppm	Avg.	
		OBJECTIVES:									
0'	4.9'	<u>CASING</u>									
4.9'	45.6'	<u>GREY SYENORITE</u> Med. lt. grey 70-80% feldspar - gram size- 3mm-f.g. then typical syenodiorite; magnetic weakly fsp. porphyritic; 1-2% 1 - 4 cm mafic inclusions. <u>Struct:</u> Massive uniform + undeformed. <u>Veins & Alteration:</u> Minor calc. -epidote veinlets									
45.6'	51.2'	<u>FELDSPAR PORPHYRY DYKE</u> Med. -dull grey, 15-20% 0.5 -2mm feldspar phenox; non-magnetic; Appears bleached. <u>Min:</u> Minor Py films on joints									
51.2'	187.5'	<u>GREY SYENODIORITE</u> As above, except med. c.g. mod. weakly mag. <u>Struct:</u> Mostly massive + uniform undeformed. <u>Alt. & Veins:</u> Minor calcite-epidote.Minor white calcite veinlets. Weakly red stained here + there, c.g. at 63-70 1635 - white calc veinlets + minor red alt. + a little Py; tr C.p. 163'	4765	162.5	164.5	2.0	tr-1/2	0.020			
187.5'	230.5'	<u>RED ALTERED SYENODIORITE</u> Texture, as above; mod. mag. <u>Struct:</u> Massive,undeformed;mod. fractured here + there	4766	187	191.5	4.5	-	0.001			
			4767	191.5	193.5	2.0	3	0.086			
			4768	193.5	198.0	4.5	-	nil			
			4769	198	203	5.0	tr	0.001			
			4770	203	207	4.0	tr	0.001			

DIAMOND DRILL HOLE LOG

HOLE No. 97-225

Pg. 2 of 5

Ft From	To	DESCRIPTION	Sample Number	ASSAYS				
				From	To	Length	% Py	opt Au
		<u>Alt:</u> Mod. red staining, texture preserved.	4771	207	210	3.0	-	0.001
		A few % white orange calcite - qtz veins up to 1/2" Minor white ch. in Py in selvage.	4772	210	211.5	1.5	1	0.051
			4773	211.5	217.0	5.5	tr	nil
		Banded lt. grey-calc-qtz. chl in red alt'd selvage + diss'd Py c.g. at 193', 219, 228.	4774	217.0	222	5.0	-	nil
			4775	222	227	5.0	-	nil
		<u>Min:</u> Conc. of Py up to 3 or 4% / 2" veinn selvages;	4776	227.0	230	3.0	1-2	0.002
230.5'	288.5'	<u>RED ALTERED SYENODIORITE</u>						
		As above, except looks f.g. due to alt; remnants of normal c.g. material; weakly mag.	4777	230	235	5.0	tr	0.001
			4778	235	240	5.0	tr	0.004
			4779	240	245	5.0	tr	0.003
		<u>Struct:</u> Mostly massive, strongly altered sections shattered + re-cemented;	4780	245	250	5.0	1/2-1	0.003
			4781	250	255	5.0	tr	nil
		<u>Alt. & Veins:</u> Strongly alt; with texture obliterated; mod. strong red altered throughout with short sections strong red alt'n along 30° fract.	4782	255	260	5.0	1/2-1	0.004
			4783	260	265	5.0	tr	0.003
		A few % white + orange calc. +/- chlorite up to 1" thick. at 60° to 20°;	4784	265	270	5.0	tr	0.006
		Minor white qtz. up to 1/2"	4785	270	275	5.0	1/2	0.042
		247.3 - 0.7 Strong red brown sil'n with white qtz. + calc. viens + 8% Py -35°	4786	275	280	5.0	1/2	0.026
		257.0 - 0.4 Strong lt. brown sil'n with 20% white q.v. + qtz bx + 3% Py.	4787	280	285	5.0	1/2	0.013
			4788	285	289	4.0	1/2	0.028
288.5'	305'	<u>ALTERED SYENODIORITE</u>						
		As above. Med. grey; magnetic.	4789	305	310	5.0	tr	0.015
			4790	310	315	5.0	tr	0.012
			4791	315	320	5.0	1	0.064
		<u>Alt. & Veins:</u> Texture partly obliterated - a little pervasive calc.	4792	320	325	5.0	1/2-1	0.125
			4793	325	330	5.0	2	0.077
305'	350'	<u>ALTERED SYENODIORITE</u>						
		Mod. red alt'n throughout with short sections of strong red-orange alt. 1/3 of unit						
		Red alt.'d sections have 1/8-1/4 calcite or qtz. calcite centre;						
		315' 2" pink calc. chl. vein at 40°						
		316.5-322 - qtz calc. - red alt; + py paralle to core.						
		325-328 " " " "						
		341.5-349.5 - 5-8% white to grey qtz. calc. with up to 7-8% Py selvages/1' in zones of strong orange red alt'n.	4795	336	341.5	5.5	tr	0.010
			4796	341.5	346.5	5.0	4	0.039
			4797	346.5	349	2.5	2-3	0.032
		<u>Min:</u> See Veins.						
			<u>Avg.</u>	<u>315</u>	<u>330</u>	<u>15.0</u>		<u>0.084</u>
350.0'	377.5'	<u>RED ALTERED SYENODIORITE - DIORITE</u>						
		As above. Relatively c.g. ^ 25% chl'd mafic; mod. -strongly mag.						
			<u>Avg.</u>	<u>341.5</u>	<u>349</u>	<u>7.5</u>		<u>0.037</u>

DIAMOND DRILL HOLE LOG

HOLE No. 97-225

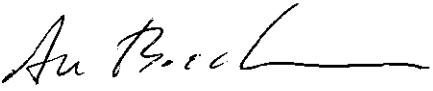
Pg.3 of 5

Fl. From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
		<u>Struct:</u> Only weakly fractured; undeformed	4798	349	353	4.0	-	0.092
			4799	353.0	358.0	5.0	-	0.075
		<u>Alt; & Veins:</u> Pervasive red alt. throughout, most of texture preserved. Minor lt grey + pink calc. veinlets.	4800	358.0	363	5.0	-	0.065
		370.4 1-5" pink calc. chl at 40°	4801	363.0	368	5.0	-	0.016
		369 -3/8 white + grey qtz. + calc. with strong orange selvage + Py.	4802	368	373	5.0	tr-1/2	0.034
			4803	375	377.5	4.5	tr	0.021
		<u>Min:</u> See Veins. tr Py here + there in calc. veinlet selvages.						
377.5'	405.0'	<u>ALTERED PYRITIZED DIORITE</u>						
		Pale green grey or dk. green;						
		Med. c.g. remnant texture preserved - non-magnetic.						
		Composed of altered feldspar, green micas, dk. chlorite						
		<u>Struct:</u> * is not pervasively deformed - some sections shattered + recemented	4804	377.5	382	4.5	2-3	0.010
		Small faults as follows:	4805	382	387	5.0	2	0.064
		385.5 -0.5' broken with 1/4" gouge at 20° + 45°	4806	387	392	5.0	2-3	0.044
		395.5 - slip with minor gouge at 60°	4807	392	397	5.0	3-4	0.019
		399.7 - 401 broken + grey qtz.-chl 1/2 gouge seams at 30°	4808	397	401	4.0	4-6	0.082
			4809	401	405	4.0	4-5	0.015
		<u>Alt; & Veins:</u> Strong pervasive pale green mica? (sericite)						
		most of feldspar destroyed. Mafica completely chloritized.						
		Short sections of sil'n mainly along veinlets						
		Some pervasive carb. include. calcite.						
		Strong red alt'n only in top 2'						
		-a little white mica here + there						
		A few % lt. grey to white contorted q.v. up to 3/8" 30-40°						
		399.7-401 -60% dull grey + white qtz. with blebs chl. + Py (fault) 30°						
		<u>Min:</u> Abundant fine to med. grained (up to 2-3mm) dull Py impregnation - diss'n 'stringy' concentration throughout most of unit. Conc. up to 8%/1'						
		Not conc. q.v. selvage						
		Diss'n Py with red alt'n at top tr Cp in qtz. carb veins c.g. 388'						
		<u>Remarks:</u> Contacts arbitrary.						
		Only well proportion strongly sil'd or q.v. + may not contain Au values						
			<u>Avg.</u>	<u>382</u>	<u>401</u>	<u>19.0</u>		<u>0.051</u>

DIAMOND DRILL HOLE LOG

HOLE No.97-225

Pg. 4 of 5

Ft. From To	DESCRIPTION	Sample			ASSAYS		
		Number	From	To	Length	% Py	opt Au
405.0' 411.0'	ALTERED SYENODIORITE & QUARTZ VEINS As above; weakly mag. between veins. <u>Struct:</u> Shattered + cemented by qtz. at 45°; 35° + 0° <u>Veins & Alteration:</u> 20% white light grey to 'smokey' dk. grey qtz. 0.5 vein at bottom; Calc with qtz; as minor veinlets + a little pervasive alt; Minor qtz bx at 410'. A little green mica in matrix. <u>Min:</u> Py diss'd through rock + concentrated in q.v. selvages. Minor Cp. in q.v. at bottom. 407 - Minor grey purple mineral + possible minor scheelite in q.v. 407 - tr. Cp in q.v.						
		4810	405	408	3.0	2-3	0.009
		4811	408	411	3.0	2-3	0.003
		4812	411.0	413.3	2.3	tr	nil
411.0' 590.6'	GREY SYENODIORITE - DIORITE 20-25% mafics; As above mod. magnetic. Becomes relatively c.g. down + contains up to 25% mafics. <u>Struct:</u> Fractured with a little veining here + there - especially top 2' 509 - 14 - 1/2' gouge + bx -(vein) 45° 565-571 - Strongly fract'd + a little gouge, fract. at 30° <u>Veins & Alt:</u> Feldspar weakly alt'd in top 2' minor thin zones (1/4") red alt'n, minor Py at 421.7 + 420' Minor white q.v. 1/8 - 1/4" at 413 + 414.2 Minor thin epidote calcite veinlets 472.6 - 1/2' calc. + selvage with Py at 30° 509-510.5 - small fault with sections of red alt'n + diss'd + white q.v. and 'vuggy' lt. grey calc. veinlets 40° 572.5 - 572.5 Pink qtz. feldspar streaks - blebs- (alt'n or inclusions?) 586.3 2" grey banded calc. vein at 35° 587.5 3" banded with wallrock partings white qtz. + calc. 45° in 1% Py. <u>Min:</u> See Veins + Alt'n	4813	413.3	416.0	2.7	tr	0.001
		4814	416.0	421.0	5.0	tr	0.006
		4815	472	473	1.0	1/2	0.011
		24522	473	476.3	3.3	tr	0.011
		4816	506	508	2.0	-	0.040
		4817	508	511	3.0	1 (v.g.)	5.93 *
		4818	511	513	2.0	-	0.004
		24523	513	516	3.0	-	0.001
		24524	516	518.2	2.2	tr	0.005
		24525	528.5	531.0	2.5	tr	0.002
		4819	572	575	3.0	-	0.006
		4820	575	578	3.0	tr	0.001
		4821	585.5	587	1.5	-	0.005
		4822	587	588	1.0	tr-1/2	0.003
590.6ft (180m)	END OF HOLE A.W. Beecham. 						
	* <u>V.G.</u> as scattered grains up to 0.5mm + abundant fine gold along hairline black qtz-Py veins cutting red alteration. Gold recognized in 2 veins at 508.6 and 509.1-509.8 tr. pale grey-silver mineral Gn or telluride. tr Cp here + there.						

DIAMOND DRILL HOLE LOG

HOLE No. 97-225

Pg. 5 of 5

Ft. From To	DESCRIPTION	Sample Number From To Length	ASSAYS % Py opt Au
	<p><u>General Comments:</u> (1) trace amounts Cp in lt. grey calcite here + there throughout most sections. (2) West side of mineralization end so abruptly against almost completely barren unaltered rock.</p>		

Tyranex Gold Inc.

DIAMOND DRILL HOLE LOG

HOLE No.97-226

Property	Tp	Azimuth	Date started	Corrected	Dip	Tests	(°)	Location Sketch
TYRANITE	KNIGHT TP	grid 265-270>true	28th Jan. 1997	Depth	Mag. Az	True Az	Dip	
Project	Lot & Conc.	Dip	Date Completed	Collar	-	-	45°	
Dugan Zone		-45°	31st Jan.1997	200'	278°		45°	
Claim # GG6651	Co-ordinates	Length	Drilled by:	530.5'	283°		45°	
(lease)		530.5'	St Lambert Drilling					
Grid # Underground	4009.01N; 6618.45	Collar Elevation	Logged by:					
Surface	section: 15+50N	9919.81	A.W. Beecham					

Ft. From	To	DESCRIPTION	Sample Number	ASSAYS					
				From	To	Length	% Py	opt Au	Mo ppm
		OBJECTIVES:							
0	13.6	CASING:							
13.6	224	<u>MEDIUM GRAINED SYENODIORITE -DIORITE</u> Med. lt. grey 80-85% feldspar - remainder dk. green hornblende. Feldspars 0.5 - 2mm - randomly orientated, coarse diabasic ; Mod. to weakly mag. - grain size increases downward; sparse, small f.g. mafic inclusions. <u>Struct:</u> Massive, uniform, undeformed.Minor sections of broken core at 67' 135-138' <u>Alteration & Veins:</u> Fresh relatively unaltered; Minor lt. grey calcite veinlets, minor epidote-calcite. 139 -1/4 -1/2" grey qtz.carb; in 3/4" Py'c selvage 222.5 white qtz. + qtz. bx - 2-3" at 70° tr Py - no alt'n + tr fine dk. grey-blue min? (MoS ₂ ?)	4823	138.5	140.0	1.5		0.003	
			4824	222	223	1.0		0.006	
		<u>Min:</u> See Alt'n + Veins.							
224	313.5	<u>ALTERED SYENODIORITE</u> Med. dull grey to pale red; Fine alt'd to med.c.g., mag. except where strongly alt'd. <u>Struct:</u> Mod. strongly fract'd at 30° + recemented. 314 - fract. + c.g. calcite with minor gouge at 05° <u>Veins & Alt:</u> Numerous short sections (1/2-2") red alt'n with pervasive calcite Alt'n zones have thin 'core' of calcite or lt. grey white qtz; fine diss'd Py in calcite + q.v. selvages. 236.7 - 3/4 white qtz. 30° 258' - 5" 75% q.v. thinly banded at 40° 283.1-285.5 white qtz. bx vein-30% qtz. pale green alt'd frag;a little white+orange calcite + 2-3% pale f.g. Py streaks dk. Py; -vein at 30°	4825	230	235	5.0	tr	0.016	
			4826	235	240	5.0	tr	0.008	
			4827	240	245	5.0	tr	0.048	
			4828	245	250	5.0	tr	0.034	
			4829	250	253	3.0	tr	0.008	
			4830	253	256	3.0	tr	0.020	
			4831	256	258.7	2.7	2-3	0.131	
			4832	258.7	263	4.3	tr	0.0009	
			4833	263	268	5.0	tr	0.020	

DIAMOND DRILL HOLE LOG

HOLE No. 97-226

Pg. 2 of 5

Ft From	To	DESCRIPTION	Sample				ASSAYS	
			Number	From	To	Length	% Py	opt Au
		<u>Min</u> : See Veins. Diss'n Py in vein selvages + short sections of red alt'n.	4834	280	283	3.0	-	0.002
			4835	283	285.6	2.6	2	0.120
			4836	285.6	288.0	2.4	1	0.122
			4837	288.0	293	5.0	1/2	0.079
			4838	293	297	4.0	1/2	0.019
			4839	297	302	5.0	1/2	0.035
313.5	317.3	<u>CALCITE VEIN - FAULT</u> Pale rose, very coarse > 1cm; Black chloritic inclusions, clasts in top 1.5 + elsewhere occurs interstitially to calcite crystals.	4840	313	317.5	4.5	-	0.025
317.3	336.9	<u>ALTERED SYENODIORITE</u> As above, dull red + grey; mod. mag. <u>Alt. & Veins</u> : Minor lt. grey calcite.	4841	334	336.9	2.9	tr	0.003
336.9	377	<u>ALTERED SYENODIORITE</u> Med. grey, lt. grey, pale red brown; Weakly altered section mag. H=5 to 6 <u>Struct</u> : Altered sections strongly fract. - 50' to 45' to 10° - network fracturing. <u>Alt</u> : 60% of unit bleached or red altered - in short sections along fractures + networks of fractures strong pervasive calcite in bleached + red alt. material. Hard throughout weak silicif'n Strong 'opaline' silicif'n 372-374 with fine qtz. veinlets. <u>Veins</u> : 337.3 - 2" lt. grey qtz. bx'd at 10° 339 - 340.1 white + grey thin banded to bx q.v. at minor fine Py. + dusty Py at contacts -35° Minor lt. grey qtz. here + there some // to core. <u>Min</u> : Fine diss'd Py in bleached + red alt'd zones + vein selvages.	4842	336.9	340.2	3.3	1	0.080
			4843	340.2	344.4	4.2	1/2	0.048
			4844	344.4	347.5	3.1	1-2	0.015
			4845	347.5	350.5	3.0	1-2	0.014
			4846	350.5	355.0	4.5	tr-1/2	0.005
			4847	355.0	360.0	5.0	1-2	0.031
			4848	360.0	364.5	4.5	tr	0.002
			4849	364.5	369.5	5.0	2	0.039
			4850	369.5	372.0	2.5	2	0.017
			4851	372.0	374.6	2.6	3	0.049
			4852	374.6	377.0	2.4	2	0.040
			<u>Avg.</u>	<u>336.9</u>	<u>377.0</u>	<u>40.1</u>		<u>0.030</u>
377.0	395.0	<u>INTERMEDIATE BIOTITIC INTRUSIVE</u> Med. grey + pink med. c.g. Texture same as main intrusive; Appears weakly feldspar <i>phyric</i> . Mostly fsp. 2-4% dk. brown 1-2 biotite;	4853	377	382	5.0	-	0.030
			4854	382	387	5.0	-	0.001
			4855	387	392	5.0	-	0.003
			4856	392	397	5.0	tr-1/2	0.013

DIAMOND DRILL HOLE LOG

HOLE No. 97-226

Pg.3 of 5

Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		<u>Veins & Alteration</u> : 382.4" c.g. grey + orange calcite with interstitial black chl. Minor weak red alteration - fract. controlled with weak Py selvages.					
		<u>Remarks</u> : Contacts appear grad. + appear to be phase of Milly Creek pluton.					
395.0	429.3	<u>ALTERED SYENODIORITE</u> As above, dull only mostly non-mag. except for weakly alt'd sections.					
	*	<u>Struct</u> : Short sect. fract.'d + recemented Preferred <i>overturn</i> of vein ^ 10° - 20°					
		<u>Alt. & Veins</u> : Mod. strong pervasive alt. include. bleaching calcite + weak red alt'n, a little pale green mica.	4857	397	402	5.0	1 0.024
		3-5% lt. grey-white qtz. veinlets with calcite with pyritic selvages	4858	402	407	5.0	tr-1/2 0.031
		408 2" irregular qtz. + Py selvage	4859	407	410	3.0	1/2-1 0.099
		420.5 2" qtz. bx vein at 10°	4860	410	413.0	3.0	- 0.005
		425-427.8 10% 1/4 qtz. veinlets Py selvages	4861	413.0	416.2	3.2	1/2-1 0.197
		427.8-429.0 (0.5') qtz bx Py selvage 15°	4862	416.2	420	3.8	1/2 0.012
		<u>Min</u> : Diss'd Py with conc. up to 2% over 3" strongest altered sections; diss Py as q.v. selvages.	4863	420	425.0	5.0	1/2-1 0.010
		415.3 2" banded grey q.v. + black chl. 15°	4864	425.0	426.5	4.5	2-3 0.059
429.3	457	<u>ALTERED SYENODIORITE - DIORITE</u> As above; typical texture; med. dull grey-red, mod. to weakly mag. Speckled in places with 1-2% dk. brown biotite;	4865	429.5	434.8	5.3	tr 0.020
		<u>Struct</u> : mostly massive + undeformed.	4866	434.8	440	5.2	tr 0.001
		<u>Alt. & Veins</u> : Pervasive weak feldspar alt; weak red alt; Minor white qtz. + qtz. calcite veinlets up to 1/2"	4867	440	445	5.0	- 0080
		446.5 1" calc. chl. vein at 15°	4868	445	448	3.0	1 nil
		<u>Min</u> : tr Py in selvages of q.v. + streaks red orange alteration.	4869	448	453	5.0	1 0.001
			4870	453	457	4.0	1/2 0.001
457	466.7	<u>STRONGLY ALTERED SYENODIORITE SHEAR WITH FAULT</u> Pale grey, pale green H=3-4. Non-magnetic					

DIAMOND DRILL HOLE LOG


HOLE No.97-226

Pg. 4 of 5

Ft. From	To	DESCRIPTION	Sample			ASSAYS		
			Number	From	To	Length	% Py	opt Au
		<u>Struct:</u> Strongly fract'd to shattered in broken core + a little gouge from 460.5-461.5 with fracture 05° to 00° Fracture + vein along core from 462-466.7						
		<u>Alt; & Veins:</u> Strongly altered - abundant pale green mica and a little pervasive calcite - probably non-fizzy carbonate 462-466.7 1/4 -1/2" grey calc. + black chlor. // to core.	4871	457	460.6	3.6	1	0.001
			4872	460.6	463.0	2.4	1	0.051
			4873	463.0	466.7	3.7	1-2	0.042
		<u>Min:</u> 1-2% diss'd Py mainly in calc. vein selvages;						
466.7	474.7	<u>GREY & WHITE QTZ. BX VEIN</u> Mottled grey, white + med. grey 35% altered mafic frag.						
		<u>Struct:</u> Streaky banded. Fine re-bx in with dk. green matrix over 3" at bottom . Minor gouge at bottom - banding + fracturing at 5-40°	4874	466.7	469.7	3.0	2	0.075
			4875	469.7	472.7	3.0	2	0.114
			4876	472.7	474.7	2.0	2	0.102
		<u>Alt; & Veins:</u> Wallrock fragments strongly silicified -2 generations of qtz. + minor calc. veinlets(2" calcite at bottom) -streaks + wisps pale green mica; 2" c.g. white calcite at bottom;	<u>Avg.</u>	<u>466.7</u>	<u>474.7</u>	<u>8.0</u>		<u>0.096</u>
		<u>Min:</u> 2% diss'd Py mainly at contacts of q.v. + bx frag. 471.7 -films blue grey sectile metallic mineral on fract. -probably not MoS2						
		<u>Remarks:</u> Probably contains only low values;						
474.7	493.6	<u>STRONGLY ALTERED SYENODIORITE</u> As above; light orange red to dull red, grey; non-mag;						
		<u>Struct:</u> Strongly fract'd to locally bx with chl., calcite + qtz. cement;						
		<u>Alt; & Veins:</u> Strong red alt; affects 60% of unit; Strong pervasive calcite; Grey calcite +/- quartz veinlets up to 1/2" at 45° to 0° A little green mica.	4877	474.7	477.5	2.8		0.020
			4878	477.5	482.5	5.0		0.004
			4879	482.5	487.0	4.5		0.011
		<u>Min:</u> Diss'd Py in red alteration.	4880	487.0	490.0	3.0	1-2	0.029
		<u>Remarks:</u> 474.7-475.7 c.g. chl. rich rock.	4881	490.0	494.0	4.0	1	0.025

DIAMOND DRILL HOLE LOG

HOLE No. 79-226

Ft. From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
493.6	512.0	<u>WEAKLY ALTERED SYENODIORITE -DIORITE</u> As above, relatively c.g. magnetic.					
		<u>Struct:</u> Massive undeformed; minor fract. in upper part.	4882	494.0	499.0	5.0	tr nil
			4883	499.0	504.0	5.0	tr 0.007
			4884	504.0	508.0	4.5	tr 0.001
		<u>Alt; & Veins:</u> Weak red alt. staining. Minor lt. grey calc - chl. vein with sparse Py in selvages; Minor lt. grey -white. qtz.- calcite veinlet + minor Py in selvages					
512.0	531.5	<u>GREY SYENODIORITE -DIORITE</u> As above; relatively c.g. - scattered f.g. mafic inclusions;					
	531.5	<u>END OF HOLE</u> A.W.Beecham 					

Assay Certificates, Swastika Laboratories Ltd.



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Assay Certificate

7W-0266-RA1

Company: **TYRANEX GOLD INC**

Date: JAN-29-97

Project:

Attn: A. Beecham/T. Smeenk

We hereby certify the following Assay of 28 Split Core samples submitted JAN-27-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4701	Nil	-	-
4702	0.001	-	-
4703	Nil	-	-
4704	0.001	-	-
4705	0.001	-	-
4706	0.008	-	-
4707	0.010	-	-
4708	0.001	-	-
4709	0.054	0.052	-
4710	0.001	-	-
4711	Nil	-	-
4712	Nil	-	-
4713	0.016	-	-
4714	0.075	0.080	0.080
4715	0.001	-	-
4716	Nil	-	-
4717	0.003	-	-
4718	Nil	-	-
4719	0.006	-	-
4720	0.011	-	-
4721	0.010	-	-
4722	0.006	-	-
4723	0.019	-	-
4724	0.010	-	-
4725	0.035	0.031	-
4726	0.001	-	-
4727	0.003	-	-
4728	0.005	-	-

One assay ton portion used

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



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Assay Certificate

7W-0337-RA1

Company: **TYRANEX GOLD INC**

Date: FEB-03-97

Project:

Attn: A. Beecham / T. Smeenk

We hereby certify the following Assay of 12 Core samples submitted JAN-31-97 by .

Sample Number	Au oz / ton	Au Check oz / ton
4796	0.038	0.039
4797	0.032	-
4803	0.021	-
4804	0.010	-
4805	0.064	0.063
4806	0.044	-
4807	0.019	-
4808	0.082	-
4809	0.015	-
4810	0.009	-
4811	0.003	-
4812	Nil	-

One assay ton portion used.

Certified by _____



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Page 1 of 2

Assay Certificate

7W-0338-RA1

Company: **TYRANEX GOLD INC**

Date: FEB-05-97

Project:

Attn: A. Beecham / T. Smeenk

We hereby certify the following Assay of 48 Core samples submitted JAN-31-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4729	0.001	-	-
4730	0.010	-	-
4731	0.065	0.069	-
4732	0.031	-	-
4733	0.018	-	-
4734	0.002	-	-
4735	0.044	0.034	-
4736	0.001	-	-
4737	Nil	-	-
4738	Nil	-	-
4739	0.002	-	-
4740	0.002	-	-
4741	0.001	-	-
4742	0.012	0.011	-
4743	0.014	-	-
4744	0.009	-	-
4745	0.002	-	-
4746	0.013	-	-
4747	0.003	-	-
4748	0.009	-	-
4749	0.002	-	-
4750	0.022	0.023	-
4751	0.001	-	-
4752	0.002	-	-
4753	0.006	0.005	-
4754	Nil	-	-
4755	Nil	-	-
4756	Nil	-	-
4757	Nil	-	-
4758	0.001	-	-

One assay ton portion used.

Certified by *Dennis Chantre*



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Assay Certificate

7W-0338-RA1

Company: **TYRANEX GOLD INC**

Date: FEB-05-97

Project:

Attn: A. Beecham / T. Smeenk

We hereby certify the following Assay of 48 Core samples submitted JAN-31-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4759	Nil	-	-
4760	Nil	-	-
4761	0.122	0.136	0.107
4762	Nil	-	-
4763	Nil	-	-
4764	0.001	-	-
4765	0.020	-	-
4766	0.001	-	-
4767	0.086	0.073	-
4768	Nil	-	-
4769	0.001	-	-
4770	0.001	-	-
4771	0.001	-	-
4772	0.051	0.050	-
4773	Nil	-	-
4774	Nil	-	-
4775	Nil	-	-
4776	0.002	-	-

One assay ton portion used.

Certified by Denis Chantre



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Assay Certificate

7W-0453-RA1

Company: **TYRANEX GOLD INC**
Project: Tyranite
Attn: D. Lavigne/A. Beecham

Date: FEB-11-97

We hereby certify the following Assay of 19 Core samples submitted FEB-07-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4834	0.002	-	-
4835	0.118	0.121	0.121
4836	0.128	0.116	-
4841	0.003	-	-
4842	0.080	-	-
4843	0.048	-	-
4844	0.015	-	-
4845	0.014	-	-
4846	0.005	0.005	-
4847	0.031	-	-
4848	0.002	-	-
4849	0.039	-	-
4850	0.017	-	-
4851	0.049	0.048	-
4852	0.040	-	-
4874	0.075	-	-
4875	0.115	0.112	-
4876	0.102	0.102	-
4877	0.020	-	-

One assay ton portion used.

Certified by

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Assay Certificate

7W-0454-RA1

Company: TYRANEX GOLD INC
Project: Tyranite
Attn: D. Lavigne/A. Beecham

Date: FEB-13-97

We hereby certify the following Assay of 63 Core samples submitted FEB-07-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4777	0.001	-	-
4778	0.004	-	-
4779	0.003	-	-
4780	0.003	-	-
4781	Nil	-	-
4782	0.004	-	-
4783	0.003	-	-
4784	0.006	-	-
4785	0.042	-	-
4786	0.027	0.025	-
4787	0.013	-	-
4788	0.028	-	-
4789	0.015	-	-
4790	0.012	-	-
4791	0.064	-	-
4792	0.124	0.126	-
4793	0.077	-	-
4794	0.003	-	-
4795	0.010	-	-
4798	0.092	-	-
4799	0.076	-	-
4800	0.065	-	-
4801	0.016	-	-
4802	0.034	-	-
4813	Nil	0.001	-
4814	0.006	-	-
4815	0.011	-	-
4816	0.040	-	-
4817	5.946	5.914	5.930
4818	0.004	-	-

One assay ton portion used.

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
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Assay Certificate

7W-0454-RA1

Company: TYRANEX GOLD INC
Project: Tyranite
Attn: D. Lavigne/A. Beecham

Date: FEB-13-97

We hereby certify the following Assay of 63 Core samples submitted FEB-07-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4819	0.006	-	-
4820	0.001	-	-
4821	0.005	-	-
4822	0.003	-	-
4823	0.003	0.003	-
4824	0.006	-	-
4825	0.016	-	-
4826	0.008	-	-
4827	0.048	-	-
4828	0.034	-	-
4829	0.008	-	-
4830	0.020	-	-
4831	0.124	0.137	-
4832	0.009	-	-
4833	0.020	-	-
4837	0.077	0.081	-
4838	0.021	0.016	-
4839	0.035	-	-
4840	0.025	-	-
4853	0.003	-	-
4854	0.001	-	-
4855	0.003	-	-
4856	0.013	-	-
4857	0.024	-	-
4858	0.031	-	-
4859	0.099	-	-
4860	0.005	-	-
4861	0.192	0.208	0.193
4862	0.012	-	-
4863	0.010	-	-

One assay ton portion used.

Certified by

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Assay Certificate

7W-0454-RA1

Company: **TYRANEX GOLD INC**
Project: **Tyranite**
Attn: **D. Lavigne/A. Beecham**

Date: FEB-13-97

We hereby certify the following Assay of 63 Core samples submitted FEB-07-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4864	0.049	0.069	-
4878	0.004	-	-
4879	0.011	-	-

One assay ton portion used.

Certified by _____

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Assay Certificate

7W-0625-RA1

Company: **TYRANEX GOLD INC**
Project: **Tyranite**
Attn: **D. Lavigne / A. Beecham**

Date: FEB-25-97

We hereby certify the following Assay of 51 Core samples submitted FEB-14-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4803 *	-	-	-
4804 *	-	-	-
4805 *	-	-	-
4806 *	-	-	-
4807 *	-	-	-
4808 *	-	-	-
4809 *	-	-	-
4810 *	-	-	-
4811 *	-	-	-
4812 *	-	-	-
4865	0.027	-	-
4866	0.001	-	-
4867	0.002	0.001	-
4868	0.007	-	-
4869	0.009	-	-
4870	0.004	-	-
4871	0.014	-	-
4872	0.024	-	-
4880	0.029	-	-
4881	0.024	0.025	-
4882	Ni 1	-	-
4883	0.007	-	-
4884	0.001	-	-
4894	0.004	-	-
4895	0.028	-	-
4896	0.034	-	-
4897	0.027	-	-
4898	0.056	-	-
4899	0.049	0.051	-
4900	0.052	-	-

One assay ton portion used. * Indicates these samples were previously done on Cert# 7W-0337-RA1.

Certified by Denis Charbonne



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Assay Certificate

7W-0625-RA1

Company: **TYRANEX GOLD INC**
Project: Tyranite
Attn: D. Lavigne / A. Beecham

Date: FEB-25-97

We hereby certify the following Assay of 51 Core samples submitted FEB-14-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4901	0.038	0.041	0.037
4902	0.034	-	-
4903	0.012	-	-
4904	0.004	-	-
4905	0.057	-	-
4906	0.031	-	-
4907	0.038	-	-
4908	0.072	0.069	-
4909	0.096	0.091	-
4910	0.033	-	-
4911	0.010	-	-
4912	0.006	-	-
4913	0.003	-	-
4914	0.001	-	-
4915	0.001	-	-
4916	0.006	-	-
4917	0.008	-	-
4918	0.010	0.009	-
4919	0.001	-	-
4920	Nil	-	-
4921	Nil	-	-
4922	Nil	-	-
4923	0.002	-	-
4924	0.010	-	-
4925	0.023	0.026	-
4926	0.035	-	-
4927	0.002	-	-
4928	0.004	-	-
4929	0.001	-	-
4930	0.005	-	-
4873	0.042	0.042	-

One assay ton portion used. * Indicates these samples were previously done on Cert# 7W-0337-RA1.

Certified by *Denis Charbon*



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Assay Certificate

7W-0626-RA1

Company: **TYRANEX GOLD INC**
Project: **Tyranite**
Att: **D. Lavigne / A. Beecham**

Date: FEB-25-97

We hereby certify the following Assay of 53 Core samples submitted FEB-14-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
4958	0.003	-	-
4959	0.180	0.170	0.168
4960	0.036	-	-
4961	0.014	-	-
4985	0.013	-	-
4986	0.005	-	-
4987	0.013	-	-
4988	0.002	-	-
4989	0.006	-	-
4990	0.014	-	-
4991	0.005	-	-
4992	0.007	-	-
4993	0.016	-	-
4994	0.008	-	-
4995	0.004	0.004	-
4996	0.004	-	-
4997	0.004	-	-
4998	0.025	-	-
4999	0.011	-	-
5000	0.015	-	-
8701	0.032	-	-
8702	0.015	-	-
8703	0.016	-	-
8704	0.095	-	-
8705	0.076	0.081	-
8706	0.004	-	-
8707	0.024	-	-
8708	0.017	-	-
8709	0.101	-	-
8710	0.181	0.170	-

One assay ton portion used.

Certified by *Dennis Chantre*



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Assay Certificate

7W-0626-RA1

Company: **TYRANEX GOLD INC**
Project: Tyranite
Attn: D. Lavigne / A. Beecham

Date: FEB-25-97

We hereby certify the following Assay of 53 Core samples submitted FEB-14-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
8711	0.141	0.126	-
8712	0.038	-	-
8713	0.012	-	-
8714	0.100	0.099	-
8715	0.048	0.054	-
8716	0.026	-	-
8717	0.023	-	-
8718	0.026	-	-
8719	0.011	0.011	-
8720	0.015	-	-
8721	0.020	-	-
8722	0.023	-	-
8723	0.019	-	-
8724	0.018	-	-
8725	0.018	-	-
8726	0.017	-	-
8727	0.007	-	-
8728	0.008	-	-
8729	0.007	-	-
8730	0.074	0.072	-
8731	0.028	-	-
8732	0.002	-	-
8733	0.001	-	-

One assay ton portion used.

Certified by Denis Chantre

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7W-0703-RA1

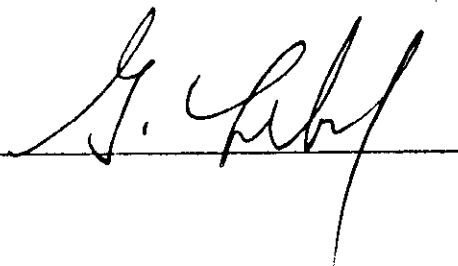
Company: **TYRANEX GOLD INC**
Project: Tyranite
Attn: D. Lavigne / A. Beecham

Date: FEB-26-97

We hereby certify the following Assay of 20 Core samples submitted FEB-21-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
8749	0.151	0.129	-
8750	0.106	0.103	-
8751	0.101	-	-
8752	0.095	-	-
8753	0.100	-	-
8754	0.083	-	-
8755	0.059	-	-
8756	0.002	-	-
8757	0.094	-	-
8758	0.141	0.146	-
8759	0.127	-	-
8760	0.151	-	-
8761	0.155	0.153	-
8762	0.281	0.264	0.278
8763	0.104	-	-
24514	0.002	-	-
24515	0.001	-	-
24516	0.002	-	-
24517	0.037	0.039	-
24518	0.017	-	-

One assay ton portion used.

Certified by 

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Assay Certificate

7W-0704-RA1

Company: **TYRANEX GOLD INC**
 Project: **Tyranite**
 Attn: **D. Lavigne / A. Beccham**

Date: **MAR-03-97**

We hereby certify the following Assay of 59 Core samples submitted FEB-21-97 by .

Sample Number	Au oz/ton	Au Check oz/ton
4885	0.001	-
4886	Nil	-
4887	Nil	-
4888	Nil	-
4889	Nil	0.001
4890	0.001	-
4891	Nil	-
4892	0.001	-
4893	0.001	-
4931	0.008	-
4932	0.017	0.017
4933	0.021	-
4934	0.006	-
4935	0.001	-
4936	0.004	-
4937	0.004	-
4938	0.027	0.024
4939	0.017	-
4940	0.008	-
4941	0.006	-
4942	0.010	-
4943	0.033	-
4944	0.026	-
4945	0.026	-
4946	0.041	-
4947	0.056	0.058
4948	0.016	-
4949	0.005	-
4950	0.002	-
4951	0.001	-

One assay ton portion used.

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Assay Certificate

7W-0704-RA1

Company: TYRANEX GOLD INC

Date: MAR-03-97

Project: Tyrinite

Att: D. Lavigne / A. Beecham

We hereby certify the following Assay of 59 Core samples submitted FEB-21-97 by .

Sample Number	Au oz/ton	Au Check oz/ton
4952	0.003	-
4953	0.020	-
4954	0.005	-
4955	0.011	-
4956	0.004	-
4957	0.029	0.038
4962	0.008	-
4963	0.001	-
4964	0.001	-
4965	Nil	-
4966	0.001	-
4967	0.003	-
4968	0.014	-
4969	0.001	-
4970	Nil	-
4971	0.001	-
4972	0.006	-
4973	Nil	-
4974	Nil	-
4975	0.001	-
4976	0.028	0.029
4977	0.025	-
4978	0.035	0.034
4979	0.005	-
4980	0.006	-
4981	0.001	-
4982	0.001	-
4983	0.005	-
4984	0.007	-

One assay ton portion used.

Certified by

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Assay Certificate

7W-0705-RA1

Company: **TYRANEX GOLD INC**
 Project: Tyranite
 Attn: D. Lavigne / A. Beecham

Date: MAR-03-97

We hereby certify the following Assay of 29 Core samples submitted FEB-21-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM
8734	0.001	0.001	-	-	-	-	-
8735	0.001	-	-	-	-	-	-
8736	0.002	-	-	0.01	27	373	87
8737	0.001	-	-	-	-	-	-
8738	0.002	-	-	-	-	-	-
8739	Nil	-	-	-	-	-	-
8740	0.001	-	-	-	-	-	-
8741	0.001	-	-	-	-	-	-
8742	0.003	0.002	-	-	-	-	-
8743	0.003	-	-	-	-	-	-
8744	0.003	-	-	-	-	-	-
8745	0.001	-	-	-	-	-	-
8746	0.001	-	-	-	-	-	-
8747	0.001	-	-	-	-	-	-
8748	0.013	-	-	-	-	-	-
8764	0.145	0.139	-	0.142	-	-	-
8765	0.132	-	-	-	-	-	-
8766	0.167	0.161	0.149	-	0.157	-	-
24510	0.003	-	-	-	-	-	-
24511	0.003	-	-	-	-	-	-
24512	0.001	-	-	-	-	-	-
24513	Nil	-	-	-	-	-	-
24519	Nil	-	-	-	-	-	-
24520	0.007	-	-	-	-	-	-
24521	0.018	0.020	-	-	-	-	-
24522	0.011	-	-	-	-	-	-
24523	0.001	-	-	-	-	-	-
24524	0.005	-	-	-	-	-	-
24525	0.002	-	-	-	-	-	-

One assay ton portion used.

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Assay Certificate

7W-0820-RA1

Company: **TYRANEX GOLD MINES LTD**

Date: MAR-05-97

Project: Tyranite

Attn: A. Beecham/D. Lavigne

We hereby certify the following Assay of 36 Split Core samples submitted MAR-03-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Cu PPM	Mn PPM
24569	0.010	-	-		
24570	0.001	-	-		
24571	0.002	-	-		
24572	0.002	-	-		
24573	0.003	-	-		
24574	0.004	-	-		
24575	0.008	0.008	-		
24576	0.010	-	-		
24577	0.427	0.424	0.378		
24578	0.001	-	-		
24579	0.002	-	-		
24580	0.003	-	-		
24581	0.002	-	-		
24582	0.002	-	-		
24583	0.002	0.002	-		
24584	0.001	-	-		
24585	0.001	-	-		
24586	Nil	-	-		
24587	0.002	-	-		
24588	0.001	-	-		
24589	0.001	-	-		
24590	0.001	-	-		
24591	0.002	-	-		
24592	0.001	-	-		
24593	0.006	0.006	-		
24594	0.003	-	-		
24595	0.001	-	-		
24596	0.004	-	-		
24597	0.008	-	-		
24598	0.001	-	-		

To Follow

Average 0.402

One assay ton portion used.

Certified by

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Assay Certificate

7W-0820-RA1

Company: **TYRANEX GOLD MINES LTD**
 Project: Tyranite
 Attn: A. Beecham/D. Lavigne

Date: MAR-05-97

We hereby certify the following Assay of 36 Split Core samples submitted MAR-03-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Cu PPM	Mn PPM
24599	0.001	-	-		
24600	0.002	-	-		
24601	Nil	-	-		
24602	0.001	-	-		
24603	0.001	-	-		
24604	Nil	-	-		

One assay ton portion used.

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Assay Certificate

7W-0820-RA1


Company: **TYRANEX GOLD MINES LTD**
Project: **Tyranite**
Attn: **A.Beecham/D.Lavigne**

Date: **MAR-06-97**

We hereby certify the following Assay of 36 Split Core samples submitted MAR-03-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Cu PPM	Mb PPM
24569	0.010	-	-	135	90
24570	0.001	-	-	124	256
24571	0.002	-	-	107	483
24572	0.002	-	-	262	130
24573	0.003	-	-	144	531
24574	0.004	-	-	85	1110
24575	0.008	0.008	-	131	1140
24576	0.010	-	-	98	2420
24577	0.427	0.424	0.378	77	3110
24578	0.001	-	-	73	47
24579	0.002	-	-	311	1730
24580	0.003	-	-	570	452
24581	0.002	-	-	538	193
24582	0.002	-	-	262	150
24583	0.002	0.002	-	1470	1550
24584	0.001	-	-	61	142
24585	0.001	-	-	2250	286
24586	Ni1	-	-	681	930
24587	0.002	-	-	93	736
24588	0.001	-	-	47	270
24589	0.001	-	-	371	179
24590	0.001	-	-	317	207
24591	0.002	-	-	228	573
24592	0.001	-	-	205	181
24593	0.006	0.006	-	5910	974
24594	0.003	-	-	2650	934
24595	0.001	-	-	96	1080
24596	0.004	-	-	384	1130
24597	0.008	-	-	446	726
24598	0.001	-	-	558	229

One assay ton portion used.

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Assay Certificate

7W-0820-RA1


Company: **TYRANEX GOLD MINES LTD**
Project: Tyranite
Attn: A.Beecham/D.Lavigne

Date: MAR-06-97

We hereby certify the following Assay of 36 Split Core samples submitted MAR-03-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Cu PPM	Mn PPM
24599	0.001	-	-	122	377
24600	0.002	-	-	134	677
24601	Nil	-	-	103	159
24602	0.001	-	-	-	-
24603	0.001	-	-	-	-
24604	Nil	-	-	-	-

One assay ton portion used.

Certified by 

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Assay Certificate

7W-0786-RA1

Company: **TYRANEX GOLD INC**

Date: MAR-11-97

Project:

Attn: D.Lavigne/A.Beecham

We hereby certify the following Assay of 60 Core samples submitted FEB-28-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM	Zn PPM
8767	0.135	0.132	-	-	-	-	-	-
8768	0.176	0.174	0.177	-	-	-	-	-
8769	0.012	-	-	-	-	-	-	-
8770	0.145	0.146	-	-	-	-	-	-
8771	0.037	-	-	-	-	-	-	-
8772	0.034	-	-	-	-	-	-	-
8773	0.201	0.188	0.191	-	-	-	-	-
8774	0.032	-	-	-	-	-	-	-
8775	0.001	-	-	-	-	-	-	-
8776	0.018	-	-	-	-	-	-	-
8777	0.097	-	-	-	-	-	-	-
8778	0.018	-	-	-	-	-	-	-
8779	0.090	0.110	-	-	-	-	-	-
8780	0.032	-	-	-	-	-	-	-
8781	0.063	0.057	-	-	-	-	-	-
8782	0.011	-	-	-	-	-	-	-
8783	0.002	-	-	-	-	-	-	-
8784	0.002	-	-	-	-	-	-	-
8785	0.028	-	-	-	-	-	-	-
8786	0.057	-	-	-	-	-	-	-
8787	0.069	0.070	-	-	-	-	-	-
8788	0.059	-	-	-	-	-	-	-
8789	0.017	-	-	-	-	-	-	-
8790	0.021	-	-	-	-	-	-	-
8791	0.003	-	-	-	-	-	-	-
8792	0.038	0.038	-	-	-	-	-	-
8793	0.005	-	-	-	-	-	-	-
8794	0.021	-	-	-	-	-	-	-
8795	0.062	0.061	-	-	-	-	-	-
8796	0.002	-	-	-	-	-	-	-

One assay ton portion used.

Certified by Denis Chabre

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Assay Certificate

7W-0786-RA1

Company: **TYRANEX GOLD INC**

Date: MAR-11-97

Project:

Attn: D.Lavigne/A.Beecham

We hereby certify the following Assay of 60 Core samples submitted FEB-28-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM	Zn PPM
8797	Nil	-	-	-	-	-	-	-
8798	Nil	-	-	-	-	-	-	-
8799	0.013	-	-	-	-	-	-	-
8800	0.066	0.062	-	-	-	-	-	-
24501	0.001	-	-	-	-	-	-	-
24502	0.008	-	-	-	-	-	-	-
24503	Nil	-	-	-	-	-	-	-
24504	0.002	-	-	-	-	-	-	-
24505	Nil	-	-	-	-	-	-	-
24506	0.005	-	-	-	-	-	-	-
24507	0.006	-	-	-	-	-	-	-
24508	Nil	Nil	-	-	-	-	-	-
24509	0.009	-	-	-	-	-	-	-
24526	Nil	-	-	-	-	-	-	-
24527	0.002	-	-	-	-	-	-	-
24528	Nil	-	-	0.01	14	42	55	36
24529	0.001	-	-	0.01	16	70	41	57
24530	Nil	-	-	0.01	19	68	48	216
24531	0.008	-	-	0.01	17	47	47	74
24532	Nil	-	-	0.01	20	63	46	82
24533	0.001	-	-	0.02	47	194	83	710
24534	0.001	-	-	0.03	63	398	111	3670
24535	Nil	-	-	0.01	38	197	67	1000
24536	Nil	-	-	0.01	15	46	45	884
24537	0.036	0.040	-	0.02	49	207	64	116
24538	Nil	-	-	0.01	57	316	82	1200
24539	Nil	-	-	0.01	22	65	44	554
24540	Nil	-	-	0.03	91	408	157	2970
24541	Nil	-	-	0.01	9	24	29	56
24542	0.001	-	-	0.01	13	25	66	72

One assay ton portion used.

Certified by Denis Charbon

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#4



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Assay Certificate

7W-0821-RA1

Company: **TYRANEX GOLD MINES LTD**
Project: Tyranite
Attn: A. Beecham/D. Lavigne

Date: MAR-14-97

We hereby certify the following Assay of 26 Split Core samples submitted MAR-03-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM
24543	Nil	Nil	0.01	100	91	770
24544	Nil	-	0.01	93	87	542
24545	Nil	-	0.01	62	230	241
24546	Nil	-	0.01	43	193	157
24547	Nil	-	0.01	52	196	166
24548	Nil	-	-	-	-	-
24549	Nil	-	-	-	-	-
24550	0.017	-	-	-	-	-
24551	0.031	0.035	-	-	-	-
24552	Nil	-	-	-	-	-
24553	0.002	-	-	-	-	-
24554	0.034	0.039	-	-	-	-
24555	0.005	-	-	-	-	-
24556	0.017	-	-	-	-	-
24557	0.084	0.086	-	-	-	-
24558	0.034	0.029	-	-	-	-
24559	0.001	-	-	-	-	-
24560	Nil	-	-	-	-	-
24561	Nil	-	-	-	-	-
24562	0.001	-	-	-	-	-
24563	Nil	-	-	-	-	-
24564	0.017	-	-	-	-	-
24565	0.034	0.039	-	-	-	-
24566	0.001	-	-	-	-	-
24567	0.005	-	-	-	-	-
24568	Nil	-	-	-	-	-

One assay ton portion used.

Certified by

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Assay Certificate

7W-0964-RA1

Company: **TYRANEX GOLD INC**

Date: **MAR-17-97**

Project:

Attn: **A.W. Beecham / D. Lavigne**

We hereby certify the following Assay of 17 Core samples submitted MAR-13-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM	Zn PPM
24700	Nil	-	0.01	37	74	68	83
24701	0.001	-	0.01	33	71	69	86
24702	0.001	-	0.01	52	116	68	204
24703	Nil	Nil	0.01	32	57	70	87
24704	Nil	-	0.01	40	86	71	138
24705	Nil	-	0.01	31	55	64	41
24706	Nil	-	0.01	37	65	76	54
24707	Nil	-	0.01	29	58	75	218
24708	Nil	-	0.01	38	64	69	227
24709	Nil	Nil	0.01	37	100	70	222
24710	Nil	-	0.01	31	63	46	225
24711	Nil	-	0.01	32	61	88	121
24712	Nil	-	0.01	36	88	55	206
24713	Nil	-	0.01	24	63	34	158
24714	Nil	-	0.01	35	57	66	50
24715	Nil	-	0.01	37	115	64	79
24716	0.003	-	0.01	47	149	47	108

One assay ton portion used.

Certified by Denis Chantre

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
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6



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A Division of TSL/Assayers Inc.

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Assay Certificate

7W-1022-RA1

Company: **TYRANEX GOLD INC**
Project: Tyranite
Attn: A. Beecham/D. Lavigne

Date: MAR-20-97

We hereby certify the following Assay of 20 Core samples submitted MAR-19-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton
24777	0.001	-	-
24778	0.001	-	-
24779	0.001	-	-
24780	0.002	-	-
24781	0.281	0.277	0.276
24782	0.006	-	-
24783	0.001	-	-
24792	0.001	-	-
24793	0.071	-	-
24794	0.020	-	-
24795	0.101	-	-
24796	0.063	-	-
24797	0.026	-	-
24798	0.247	0.251	-
24799	0.013	-	-
24800	0.018	-	-
24801	0.272	0.258	-
24802	0.187	-	-
24803	0.193	-	-
24804	0.001	-	-

One assay ton portion used.

Certified by

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Page 1 of 3

Assay Certificate

7W-0965-RA1

Company: **TYRANEX GOLD INC**

Date: MAR-24-97


Project:

Attn: A.W. Beecham / D. Lavigne

We hereby certify the following Assay of 72 Core samples submitted MAR-13-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM	Zn PPM
24605	Nil	-	-	-	-	-	-
24606	Nil	Nil	-	-	-	-	-
24607	Nil	-	-	-	-	-	-
24608	Nil	-	-	-	-	-	-
24609	0.002	-	-	-	-	-	-
24610	0.006	-	-	-	-	-	-
24611	0.003	-	-	-	-	-	-
24612	0.001	-	-	-	-	-	-
24613	Nil	-	0.01	41	113	178	110
24614	0.002	-	0.01	68	1340	433	208
24615	0.001	-	0.01	89	1510	142	145
24616	Nil	-	0.01	44	313	47	111
24617	0.001	-	0.01	67	875	91	155
24618	0.002	0.002	0.01	231	1410	373	227
24619	Nil	-	-	-	-	-	-
24620	0.010	-	-	-	-	-	-
24621	Nil	-	-	-	-	-	-
24622	Nil	-	-	-	-	-	-
24623	0.002	-	-	-	-	-	-
24624	0.001	-	-	-	-	-	-
24625	Nil	-	-	-	-	-	-
24626	0.001	Nil	-	-	-	-	-
24627	0.003	-	-	-	-	-	-
24628	0.001	-	-	-	-	-	-
24629	Nil	-	-	-	-	-	-
24630	Nil	-	-	-	-	-	-
24631	0.002	-	-	-	-	-	-
24632	Nil	-	-	-	-	-	-
24633	Nil	-	-	-	-	-	-
24634	Nil	-	-	-	-	-	-

One assay ton portion used.

Certified by 



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Page 2 of 3

Assay Certificate

7W-0965-RA1

Company: TYRANEX GOLD INC

Date: MAR-24-97

Project:

Attn: A.W. Beecham / D. Lavigne

We hereby certify the following Assay of 72 Core samples submitted MAR-13-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM	Zn PPM
24635	0.001	-	-	-	-	-	-
24636	Nil	-	-	-	-	-	-
24637	0.008	-	-	-	-	-	-
24638	Nil	-	-	-	-	-	-
24639	0.001	-	-	-	-	-	-
24640	Nil	-	-	-	-	-	-
24641	Nil	Nil	-	-	-	-	-
24642	Nil	-	-	-	-	-	-
24643	Nil	-	-	-	-	-	-
24644	Nil	-	0.01	32	11	508	126
24645	Nil	-	0.01	20	426	790	74
24646	Nil	-	0.01	134	130	975	28
24647	Nil	-	0.01	100	114	517	24
24648	Nil	-	0.01	102	14	1690	47
24649	Nil	-	0.01	105	10	2070	52
24650	Nil	-	0.01	91	7	2010	61
24651	Nil	Nil	0.01	101	10	2220	72
24652	Nil	-	0.01	86	42	1770	72
24653	Nil	-	0.01	84	44	1160	63
24654	0.001	-	0.01	83	379	923	77
24655	Nil	-	0.01	33	102	104	44
24656	0.001	-	0.01	127	453	1010	71
24657	0.001	0.001	0.01	37	278	247	65
24658	Nil	-	0.01	42	483	402	76
24659	Nil	-	0.02	24	408	305	53
24660	Nil	-	0.01	41	154	134	95
24661	Nil	-	0.01	36	135	118	100
24662	Nil	-	0.01	35	140	156	88
24663	Nil	-	0.01	39	207	136	85
24664	Nil	Nil	0.01	47	123	242	104

One assay ton portion used.

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Page 3 of 3

Assay Certificate

7W-0965-RA1

Company: **TYRANEX GOLD INC**

Date: MAR-24-97

Project:

Attn: A.W. Beecham / D. Lavigne

We hereby certify the following Assay of 72 Core samples submitted MAR-13-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM	Zn PPM
24665	Nil	-	0.01	45	143	160	97
24666	Nil	-	0.01	44	95	301	93
24667	Nil	-	0.01	44	118	124	95
24668	Nil	Nil	0.01	34	87	121	125
24669	Nil	-	0.01	53	283	220	162
24670	Nil	-	0.01	35	89	127	107
24671	Nil	-	-	-	-	-	-
24672	Nil	-	-	-	-	-	-
24673	Nil	-	-	-	-	-	-
24674	Nil	-	-	-	-	-	-
24675	Nil	-	-	-	-	-	-
24676	Nil	-	-	-	-	-	-

One assay ton portion used.

Certified by _____

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Assay Certificate

7W-0966-RA1

Company: TYRANEX GOLD INC

Date: MAR-26-97

Project:

Attn: A.W. Beecham / D. Lavigne

We hereby certify the following Assay of 31 Core samples submitted MAR-13-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM	Zn PPM
24677	Nil	Nil	-	-	-	-	-
24678	Nil	-	-	-	-	-	-
24679	0.002	-	-	-	-	-	-
24680	Nil	-	-	-	-	-	-
24681	Nil	-	-	-	-	-	-
24682	Nil	-	-	-	-	-	-
24683	0.001	-	-	-	-	-	-
24684	0.001	-	-	-	-	-	-
24685	0.001	-	-	-	-	-	-
24686	Nil	-	-	-	-	-	-
24687	Nil	-	-	-	-	-	-
24688	Nil	-	-	-	-	-	-
24689	Nil	Nil	-	-	-	-	-
24690	Nil	-	-	-	-	-	-
24691	0.001	-	-	-	-	-	-
24692	Nil	-	0.01	30	65	70	98
24693	Nil	-	0.01	31	166	73	141
24694	Nil	-	0.01	25	69	45	112
24695	Nil	-	0.01	23	118	29	228
24696	Nil	-	0.01	20	65	47	137
24697	Nil	-	0.01	35	125	46	115
24698	Nil	-	0.01	27	61	63	280
24699	Nil	-	0.01	24	63	57	116
24717	0.001	-	0.01	31	83	60	68
24718	Nil	-	0.01	14	86	33	261
24719	Nil	0.001	0.01	47	197	67	138
24720	Nil	-	0.01	23	68	48	63
24721	Nil	-	0.01	34	176	63	40
24722	Nil	-	0.01	27	113	365	28
24723	0.001	-	-	-	-	-	-
24724	Nil	-	0.01	26	134	58	201

One assay ton portion used.

Certified by

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Page 1 of 3

Assay Certificate

7W-1171-RA1

Company: **TYRANEX GOLD INC**
Project: Tyranite
Attn: A.Beecham/D. Lavigne

Date: APR-08-97

We hereby certify the following Assay of 49 Core samples submitted MAR-19-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag PPM	Co PPM	Cu PPM	Ni PPM
24725	Nil	-	-	-	-	-
24726	0.001	-	-	-	-	-
24727	0.001	Nil	-	-	-	-
24728	Nil	-	-	-	-	-
24729	Nil	-	-	-	-	-
24730	Nil	-	-	-	-	-
24731	Nil	-	-	-	-	-
24732	Nil	-	-	-	-	-
24733	Nil	-	-	-	-	-
24734	Nil	-	-	-	-	-
24735	Nil	-	-	-	-	-
24736	0.004	-	-	-	-	-
24737	Nil	Nil	-	-	-	-
24738	Nil	-	-	-	-	-
24739	Nil	-	-	-	-	-
24740	0.001	-	-	-	-	-
24741	0.001	-	-	-	-	-
24742	0.001	-	-	-	-	-
24743	Nil	-	-	-	-	-
24744	Nil	Nil	-	-	-	-
24745	Nil	-	-	-	-	-
24746	0.001	-	-	-	-	-
24747	Nil	-	-	-	-	-
24748	Nil	-	-	-	-	-
24749	Nil	-	-	-	-	-
24750	Nil	-	-	-	-	-
24751	0.001	-	-	-	-	-
24752	Nil	-	-	-	-	-
24753	0.001	Nil	-	-	-	-
24754	0.001	-	-	-	-	-

One assay ton portion used. * Indicates these samples were previously done in Cert #7W-1233-RA1 and Cert #7W-1022-RA1.

Certified by 



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Assay Certificate

7W-1171-RA1

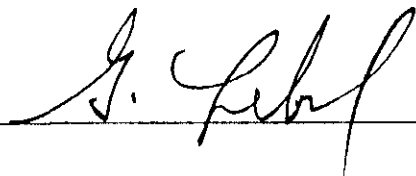
Company: **TYRANEX GOLD INC**
Project: **Tyranite**
Attn: **A.Beecham/D. Lavigne**

Date: APR-08-97

We hereby certify the following Assay of 49 Core samples submitted MAR-19-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag PPM	Co PPM	Cu PPM	Ni PPM
24755	Nil	-	-	-	-	-
24756	Nil	-	-	-	-	-
24757	Nil	-	-	-	-	-
24758	0.001	-	-	-	-	-
24759	Nil	-	-	-	-	-
24760	0.001	-	-	-	-	-
24761	0.002	-	-	-	-	-
24762	Nil	-	-	-	-	-
24763	Nil	-	0.1	50	36	474
24764	0.001	-	0.1	38	90	330
24765	Nil	-	0.1	36	118	432
24766	0.002	0.001	0.2	38	294	186
24767	Nil	-	0.1	31	72	358
24768 *	-	-	-	-	-	-
24777 *	-	-	-	-	-	-
24778 *	-	-	-	-	-	-
24779 *	-	-	-	-	-	-
24780 *	-	-	-	-	-	-
24781 *	-	-	-	-	-	-
24782 *	-	-	-	-	-	-
24783 *	-	-	-	-	-	-
24784	0.001	0.001	-	-	-	-
24785	0.001	-	-	-	-	-
24786	0.001	-	-	-	-	-
24787	0.001	0.002	-	-	-	-
24792 *	-	-	-	-	-	-
24793 *	-	-	-	-	-	-
24794 *	-	-	-	-	-	-
24795 *	-	-	-	-	-	-
24796 *	-	-	-	-	-	-

One assay ton portion used. * Indicates these samples were previously done in Cert #7W-1233-RA1 and Cert #7W-1022-RA1.

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Assay Certificate

7W-1171-RA1

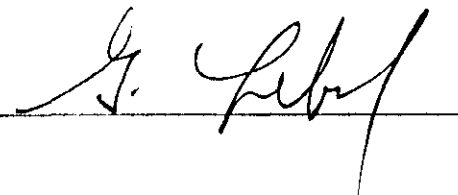
Company: **TYRANEX GOLD INC**
Project: **Tyranite**
Attn: **A.Beecham/D. Lavigne**

Date: APR-08-97

We hereby certify the following Assay of 49 Core samples submitted MAR-19-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag PPM	Co PPM	Cu PPM	Ni PPM
24797 *	-	-	-	-	-	-
24798 *	-	-	-	-	-	-
24799 *	-	-	-	-	-	-
24800 *	-	-	-	-	-	-
24801 *	-	-	-	-	-	-
24802 *	-	-	-	-	-	-
24803 *	-	-	-	-	-	-
24804 *	-	-	-	-	-	-
24805	Nil	-	-	-	-	-
24806	0.001	-	-	-	-	-

One assay ton portion used. * Indicates these samples were previously done in Cert #7W-1233-RA1 and Cert #7W-1022-RA1.

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Assay Certificate

7W-1233-RA1

Company: **TYRANEX GOLD INC**
Project: Tyranite
Attn: D. Lavigne/A. Beecham

Date: APR-11-97

We hereby certify the following Assay of 29 Core samples submitted MAR-24-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM
24768	Nil	-	0.1	37	56	230
24769	0.001	0.001	0.1	43	170	169
24770	Nil	-	0.1	38	53	352
24771	Nil	-	0.1	36	96	512
24772	Nil	-	-	-	-	-
24773	0.001	-	-	-	-	-
24774	Nil	-	-	-	-	-
24775	Nil	-	-	-	-	-
24776	Nil	-	-	-	-	-
24788	0.001	Nil	-	-	-	-
24789	Nil	-	-	-	-	-
24790	0.001	-	-	-	-	-
24791	Nil	-	-	-	-	-
24807	Nil	-	-	-	-	-
24808	Nil	-	-	-	-	-
24809	Nil	-	-	-	-	-
24810	Nil	-	-	-	-	-
24811	Nil	-	-	-	-	-
24812	Nil	-	-	-	-	-
24813	Nil	-	-	-	-	-
24814	Nil	-	-	-	-	-
24815	0.003	-	-	-	-	-
24816	0.002	-	-	-	-	-
24817	0.001	-	-	-	-	-
24818	Nil	-	-	-	-	-
24819	0.001	Nil	-	-	-	-
24820	Nil	-	-	-	-	-
24821	Nil	-	-	-	-	-
24822	Nil	-	-	-	-	-

One assay ton portion used.

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
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Assay Certificate

7W-1381-RA1

Company: **TYRANEX GOLD INC**
Project: **Tyranite**
Aun: **A. Beecham/D. Lavigne**

Date: APR-21-97

We hereby certify the following Assay of 57 Core samples submitted APR-04-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM
24823	Nil	-	-	-	-	-
24824	Nil	-	-	-	-	-
24825	Nil	-	-	-	-	-
24826	Nil	-	-	-	-	-
24827	Nil	-	-	-	-	-
24828	Nil	-	0.1	80	2	2120
24829	Nil	-	0.1	84	3	2020
24830	Nil	-	-	-	-	-
24831	0.001	-	-	-	-	-
24832	0.002	-	-	-	-	-
24833	Nil	-	-	-	-	-
24834	Nil	-	-	-	-	-
24835	Nil	-	-	-	-	-
24836	Nil	-	-	-	-	-
24837	Nil	-	-	-	-	-
24838	Nil	-	-	-	-	-
24839	Nil	Nil	-	-	-	-
24840	Nil	-	-	-	-	-
24841	Nil	-	-	-	-	-
24842	Nil	-	-	-	-	-
24843	Nil	-	-	-	-	-
24844	Nil	-	-	-	-	-
24845	0.001	-	-	-	-	-
24846	Nil	-	-	-	-	-
24847	Nil	-	-	-	-	-
24848	Nil	-	-	-	-	-
24849	0.001	-	-	-	-	-
24850	0.060	0.057	-	-	-	-
24851	Nil	-	-	-	-	-
24852	Nil	-	-	-	-	-

One assay ton portion used.

Certified by



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Assay Certificate

7W-1381-RA1

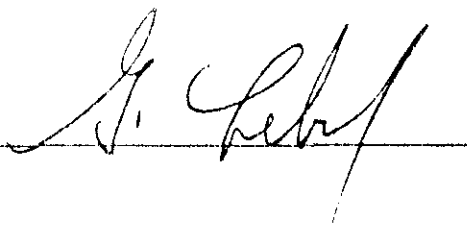
Company: **TYRANEX GOLD INC**
Project: Tyranite
Attn: A. Beecham/D. Lavigne

Date: APR-21-97

We hereby certify the following Assay of 57 Core samples submitted APR-04-97 by .

Sample Number	Au oz/ton	Au Check oz/ton	Ag oz/ton	Co PPM	Cu PPM	Ni PPM
24853	0.001	-	-	-	-	-
24854	Nil	-	-	-	-	-
24855	Nil	-	-	-	-	-
24856	0.001	0.001	-	-	-	-
24857	0.001	-	-	-	-	-
24858	0.001	-	-	-	-	-
24859	0.001	-	-	-	-	-
24860	Nil	-	-	-	-	-
24861	Nil	-	-	-	-	-
24862	0.001	-	-	-	-	-
24863	0.001	-	-	-	-	-
24864	Nil	-	-	-	-	-
24865	0.001	-	-	-	-	-
24866	Nil	-	-	-	-	-
24867	Nil	-	-	-	-	-
24868	Nil	Nil	-	-	-	-
24869	0.005	-	-	-	-	-
24870	0.003	-	-	-	-	-
24871	0.001	-	-	-	-	-
24872	0.005	-	-	-	-	-
24873	Nil	Nil	-	-	-	-
24874	0.004	-	-	-	-	-
24875	0.003	-	-	-	-	-
24876	0.003	-	-	-	-	-
24877	0.007	-	-	-	-	-
24878	Nil	-	-	-	-	-
24879	0.001	-	-	-	-	-

One assay ton portion used.

Certified by 

Sheet1

Check Assays DH 97-95

Sam. #

	Activation Laboratory g/t Au	Activation Laboratory opt Au	Swastika Laboratories opt Au
24781	9.47	0.276	0.278 **
24782	0.20	0.006	0.006
24783	0.07	0.002	0.001
24792	0.07	0.002	0.001
24793	2.33	0.068	0.071
24794	0.53	0.015	0.020
24795	3.33	0.097	0.101
24796	2.00	0.058	0.063
24797	0.60	0.017	0.026
24798	8.47	0.247	0.249 *
24799	0.27	0.008	0.013
24800	0.60	0.017	0.018
24801	8.67	0.253	0.265 *
24802	5.80	0.169	0.187
24803	6.20	0.181	0.193

Notes: Activation Lab: All analyses from one pulp only

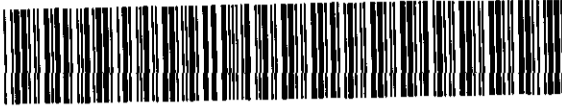
* Swastika Lab. : average of 2 assays from same pulp

** Swastika Lab. average of 2 assays from same pulp and assay from 2nd pulp;

A.W. Beecham

17-Apr-97

SAMPLE DESCRIPTION	AS GM/S	
		cpt
24781	9.47	0.276
24787	0.20	0.006
24788	<0.01	0.002
24792	<0.01	0.012
24793	2.51	0.068
24794	1.50	0.015
24795	1.33	0.097
24796	2.00	0.058
24797	0.66	0.017
24798	6.47	0.247
24799	0.21	0.009
24800	0.61	0.017
24801	6.67	0.253
24802	1.66	0.169
24803	6.26	0.181



y of subsections 65(2) and 66(3) of the Mining Act. Under section 6 of the to review the assessment work and correspond with the mining land holder. 1g Recorder, Ministry of Northern Development and Mines, 6th Floor,

41P10NW2008 2.18875 KNIGHT 900

2.18875

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 TYRANEX GOLD INC	Client Number 204051
Address 11TH FLOOR - 350 BAY ST	Telephone Number 416 865 1625
TORONTO, ON. M5H 2S6	Fax Number 416 865 9386
Name ROYAL OAK MINES INC	Client Number 136226
Address P.O. Box 2010	Telephone Number 705 360 1141
TIMMINS ON. P4N 7X7	Fax Number 705 360 1532

SEE ALSO ATTACHED LIST.

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

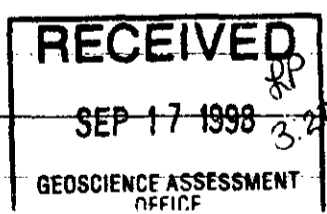
Work Type DIAMOND DRILLING	Office Use
Dates Work Performed From 20th JAN 1997 To 25th MAR 1997	Commodity
Global Positioning System Data (if available)	Total \$ Value of Work Claimed 407,552
Township/Area KNIGHT & TYRRELL	NTS Reference
M or G Plan Number G 3661 & G-3725	Mining Division Harder lake
	Resident Geologist District Kirkland lake

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 A.W. BEECHAM GEOSERU	Telephone Number 705 672-5023
Address	Fax Number 705 672-3980
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number


4. Certification by Recorded Holder or Agent

I, **A.W. BEECHAM** (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>A.W. Beecham</i>	Date 16 SEPT. 1998
Agent's Address P.O. Box 867 HAILEYBURY ON P4J 1K0	Telephone Number 705-672-5023
	Fax Number 705 672-3980

2.18875

Recorded Claim Holders

Tyranax Gold Inc. 11th Floor, 350 Bay Street
Toronto, M5H 2S6
Tel: 416 865 1625; Fax: 416 865 9386

Client # 204051

Mining Leases, Knight and Tyrrell Townships

GG 5800	GG 5805
GG 5801	GG 5815
GG 5802	GG 5816
GG 5803	GG 5817
GG 5804	

Unpatented Mining Claims, Knight Township

511273	1,217,815
	1,221,655

Dalhousie Oil Co. Ltd. Suite 1614 - 150 York St.
Toronto, ON, M5H 3S5
Tel: 416 363 4477; Fax: 416 363 1902

Mining Leases, Knight Township:

GG 6649
GG 6650
GG 6651

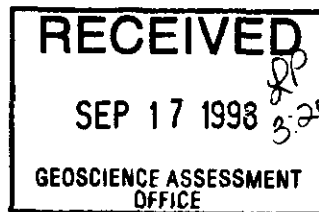
Royal Oak Mines Inc. P.O. Bag. 2010 Client # 136226
Timmins, ON, P4N 7X7
Tel: 705 360 1141 Fax: 705 360 1532

Unpatented Mining Claims, Knight Township:

1219430	1219455	1219427	Knight & Tyrrell Tp
1219431	1219456		
1219450	1219457		

Unpatented Mining Claims, Tyrrell Township

1219419	1219427	Knight & Tyrrell Tp
1219420	1219428	
1219421	1219477	



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.

W9880.00605 2.18875

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 or 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.
TB 7827	10 ha	\$26,825	N/A	\$24,000	\$2,825
1234567	12	0	\$24,000	0	0
1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
8000824	CG 5800 . 20.39 ha	\$22,749		\$22,749	
8000823	CG 5803 . 14.36 ha	\$191,433		20,000	\$171,433
8000826	CG 5804 . 10.08 ha	115,312		15,000	\$100,312
8000822	CG 6649 . 15.60 ha	54,330		23,000	31,330
8000827	CG 6651 - 15.63 ha	16,910		8051	8,859
6	1217815	1 unit.	6818		6818
7	1219419	1 unit		\$1600	
8	1219420	1		800	
9	1219421	2		1600	
10	1219427	8		6400	
11	1219428	3		2400	
12	1219430	15		12,000	
13	1219431	3		2400	
14	1219450	15		12,000	
15	1219455	12		19,200	
Column Totals					

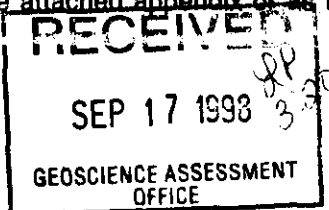
I, A-W. BEECHAM, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: 16 SEPT 1998

6. Instructions 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.

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)		

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, the 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 the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.18875

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilo-metres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
DIRECT DRILLING	12,785.3 FT	\$18.55	\$237,180 ✓
CONSULT. GEOLOGIST SUPERVISION			78,991 ✓
PROJ. GEOL. SAMPLER (INCL TRANSP ETC)			39,132 ✓
ASSAYS	{ Au 731 Ag, Co, Cu, Ni, Mo - 450 TOTAL 1181 DETERMINATIONS	\$9.41	11,114 ✓
Associated Costs (e.g. supplies, mobilization and demobilization).			
SURVEYING (COORD + ELEV. OF COLLARS)			\$5,257 ✓
EXPEDITING + SECURITY			13,587
SUPPLIES AND SERVICES			17,528
EQUIPMENT RENTAL			1,700
Transportation Costs			
Food and Lodging Costs			
ACCOMMODATION PROJ GEOL. AND SAMPLER			3,063 ✓
Total Value of Assessment Work			407,552

Calculations of Filing Discounts:

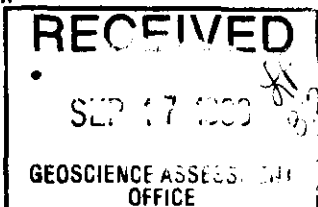
1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use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

TOTAL VALUE OF ASSESSMENT WORK × 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, A.W. BEECHAM (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 I am authorized (recorded holder, agent, or state company position with signing authority) to make this certification.



Signature: [Signature] Date: 16 SEPT. 1998

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



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

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

December 16, 1998

TYRANEX GOLD INC.
350 BAY STREET
11TH FLOOR
TORONTO, ONTARIO
M5H-2S6

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

Dear Sir or Madam:

Submission Number: 2.18875

Status

Subject: Transaction Number(s): W9880.00605 Deemed Approval

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

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

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

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

Yours sincerely,

A handwritten signature in black ink, appearing to read "Blair Kite".

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

Work Report Assessment Results

Submission Number: 2.18875

Date Correspondence Sent: December 16, 1998

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9880.00605	8000824	KNIGHT, TYRRELL	Deemed Approval	December 16, 1998

Section:

17 Assays ASSAY
16 Drilling PDRILL

Correspondence to:

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

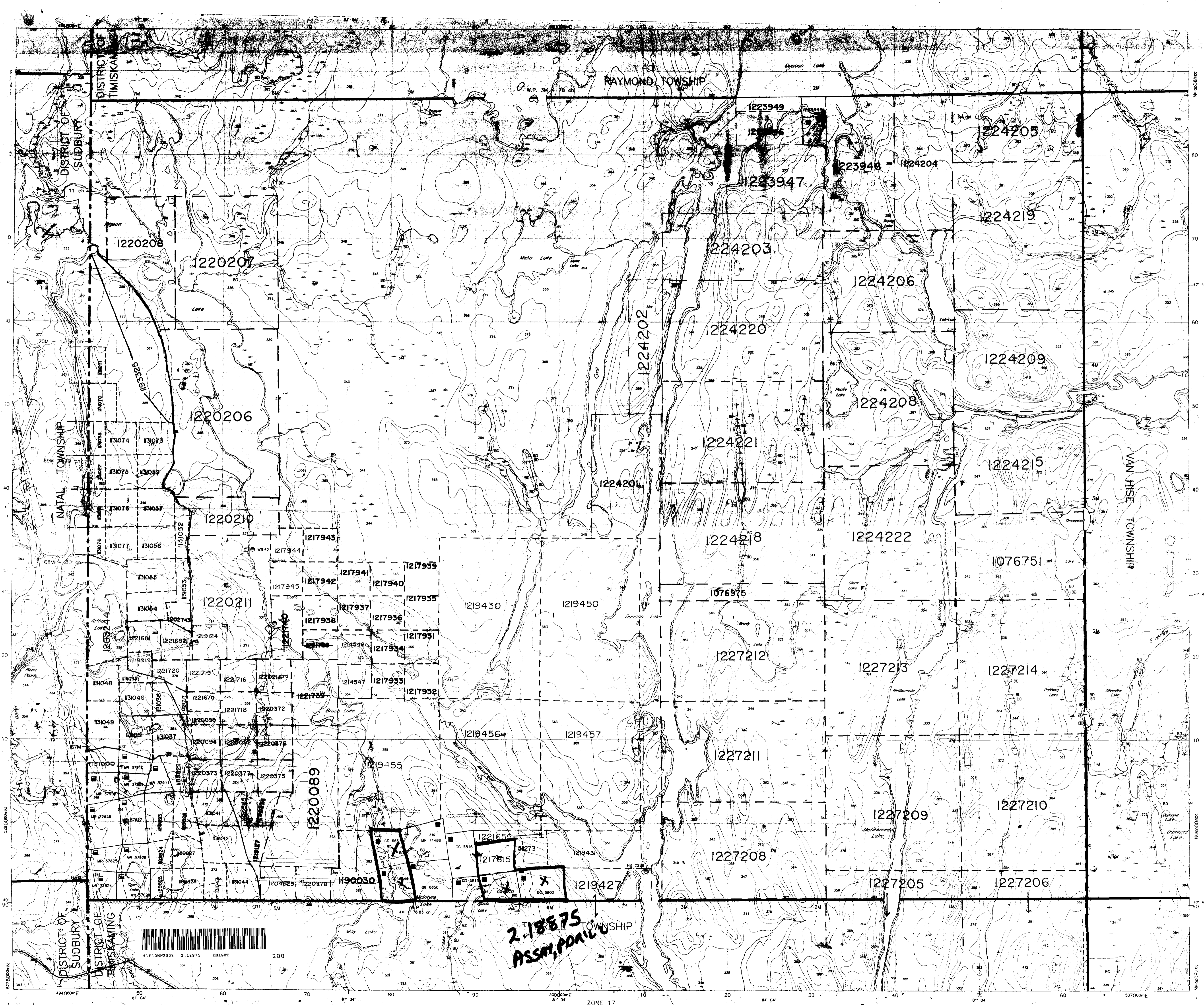
Recorded Holder(s) and/or Agent(s):

A. W. Beecham
HAILEYBURY, ONTARIO, CANADA

TYRANEX GOLD INC.
TORONTO, ONTARIO

ROYAL OAK MINES INC.
TIMMINS, ONTARIO

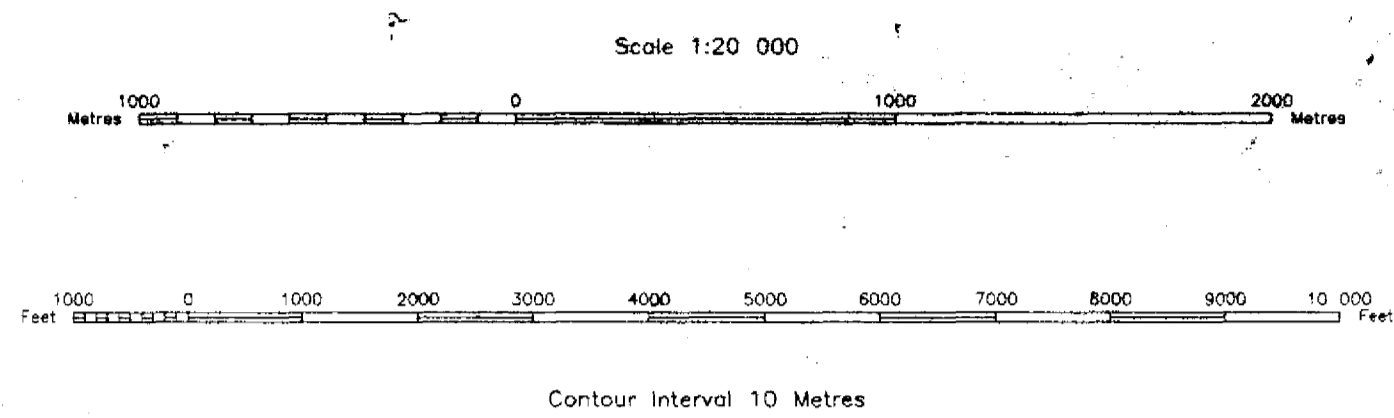
DALHOUSIE OIL COMPANY LIMITED
TORONTO, Ontario



INDEX TO LAND DISPOSITION

M.N.R. ADMINISTRATIVE DISTRICT
KIRKLAND LAKE
 MINING DIVISION
LARDER LAKE
 LAND TITLES/REGISTRY DIVISION
TIMISKAMING

PLAN
G - 3661
 TOWNSHIP
KNIGHT



DATE OF ISSUE

DEC 22 1988

PROVINCIAL RECORDING OFFICE - SUDBURY

AREAS WITHDRAWN FROM DISPOSITION
 MRO - Mining Rights Only
 SRO - Surface Rights Only
 M+S - Mining and Surface Rights

SYMBOLS

- | | |
|---------------------------------|-------|
| Boundary | |
| Administrative District | ----- |
| Township, Meridian, Baseline | ----- |
| Road allowance: surveyed | ----- |
| shoreline | ----- |
| Lot/Concession: surveyed | ----- |
| unsurveyed | ----- |
| Parcel: surveyed | ----- |
| unsurveyed | ----- |
| Right-of-way: road | ----- |
| railway | ----- |
| utility | ----- |
| Reservation | ----- |
| Cliff, Pit, Pile | ----- |
| Contour | ----- |
| Interpolated | ----- |
| Approximate | ----- |
| Depression | ----- |
| Control point (horizontal) | ----- |
| Flooded land | ----- |
| Mine shaft | ----- |
| Pipeline (above ground) | ----- |
| Railway: single track | ----- |
| double track | ----- |
| abandoned | ----- |
| River/Stream/Creek | ----- |
| intermittent | ----- |
| Road, highway, county, township | ----- |
| access | ----- |
| trail, bush | ----- |
| Shoreline (original) | ----- |
| Transmission line | ----- |
| Woods area | ----- |

400' SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS.

DISPOSITION OF CROWN LANDS

- | | |
|-------------------------|---|
| 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 | ○ |
| Cancelled | ○ |
| Reservation | ○ |
| Sand & Gravel | ○ |
| Land Use permit | ◇ |

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.

ARCHIVED SEPT. 18, 1996
 CIRCULATED AUGUST 19, 1996

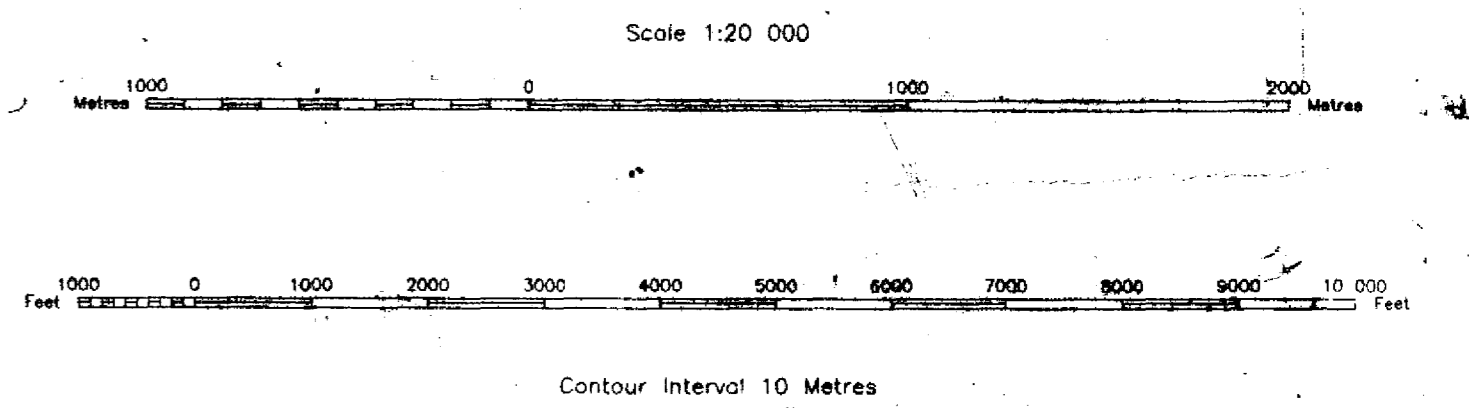


2-18875
 ASSH, POAL

INDEX TO LAND DISPOSITION

M.N.R. ADMINISTRATIVE DISTRICT
KIRKLAND LAKE
 MINING DIVISION
LARDER LAKE
 LAND TITLES/REGISTRY DIVISION
TIMISKAMING

PLAN
#253
G-3725
 TOWNSHIP
TYRRELL



DATE OF ISSUE

DEC 22 1998
 PROVINCIAL RECORDING
 OFFICE - SUDBURY

AREAS WITHDRAWN FROM DISPOSITION
 MRO - Mining Rights Only
 SRO - Surface Rights Only
 M+S - Mining and Surface Rights

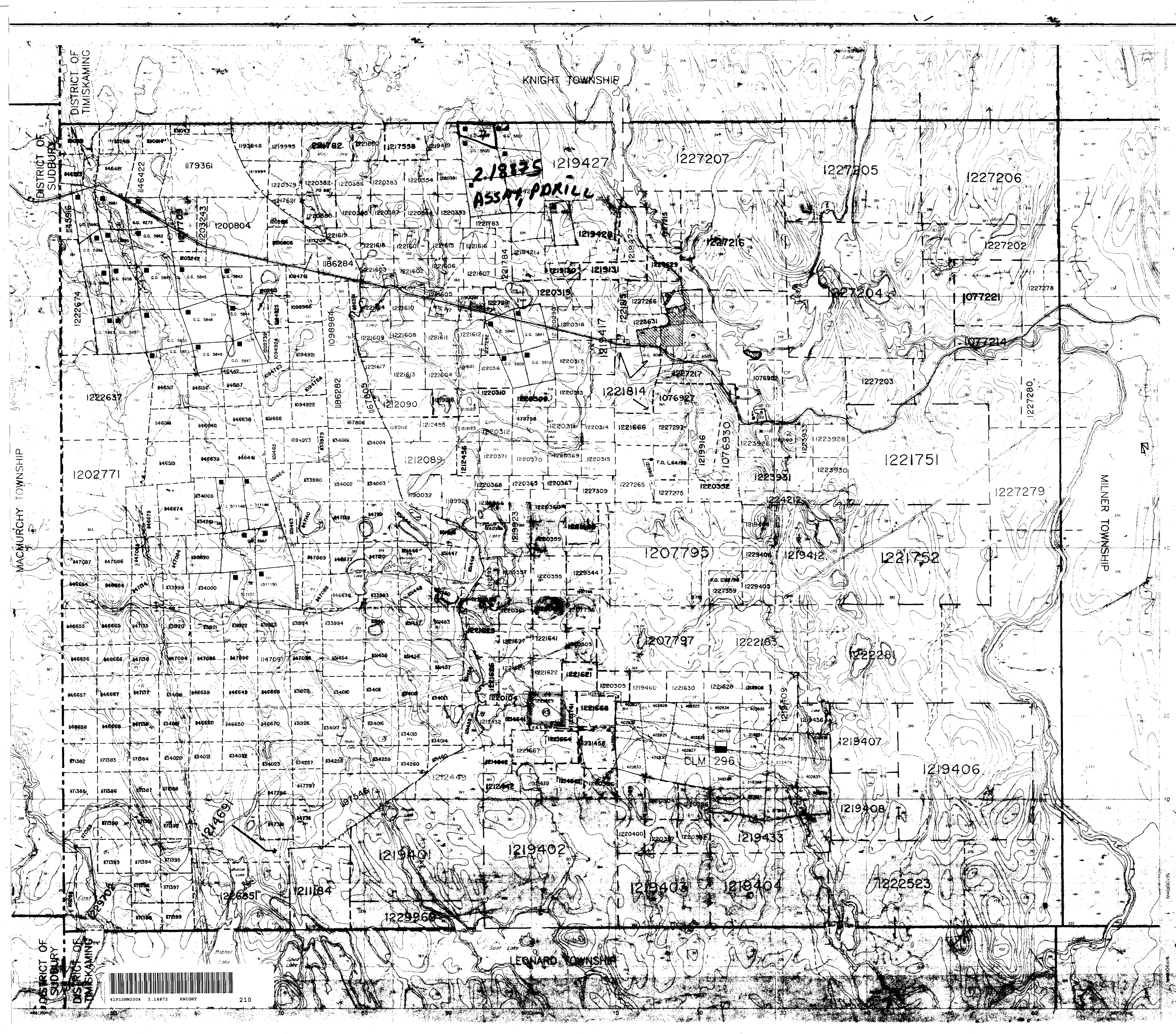
SYMBOLS

Boundary	
Administrative District	---
Township, Veridian, Baseline	---
Road clearance, surveyed	---
shoreline	---
LW/Concession, surveyed	---
unsurveyed	---
Parcel, surveyed	---
unsurveyed	---
Right-of-way, road	---
railway	---
utility	---
Reservation	---
Cliff, Pit, Pile	---
Contour	---
Interpolated	---
Approximate	---
Depression	---
Control point (horizontal)	---
Flooded land	---
Mine shaft	---
Pipeline (above ground)	---
Railway, single track	---
double track	---
abandoned	---
River/Stream/Creek	---
Intermittent	---
Road, highway, county, township	---
access	---
trail, bush	---
Shoreline (original)	---
Transmission line	---
Wooded area	---

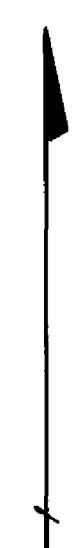
DISPOSITION OF CROWN LANDS

Patent	
Surface & Mining Rights	●
Surface Rights Only	○
Mining Rights Only	○
Lease	
Surface & Mining Rights	■
Surface Rights Only	■
Mining Rights Only	■
License of Occupation	▼
Order-in-Council	OC
Cancelled	○
Reservation	○
Sand & Gravel	◇
Land Use permit	◇

THE INFORMATION THAT
 APPEARS ON THIS MAP
 HAS BEEN COMPILED
 FROM VARIOUS SOURCES,
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 CLAIMS SHOULD CONSULT
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 MINISTRY OF NORTHERN
 DEVELOPMENT AND MINES,
 FOR ADDITIONAL INFORMATION
 ON THE STATUS OF THE
 LANDS SHOWN HEREON.



N (approx)



L 1217815

L 511273

GG 5800

GG 5803

GG 5804

GG 5801

Knight Township
Tyrrell Township

Tyrante Shaft



- Explanation**
- ⊙ --- Diamond drill hole tied to 1995 or later survey
 - --- Diamond Drill hole, approximate location
 - ⊙ --- Survey turning point, wooden hub, stump & nail
 - △ --- Permanent (primary) survey point, steel pin in concrete or rock
 - I.B. --- Iron Bar
 - R.I.B. --- Round iron bar
 - ▬ --- Shaft
 - ⊙ --- Raise
 - ⊙ --- Slope surface break through
 - ⊙ --- Claim post, located and tied to grid
 - --- Township boundary
 - --- All weather road
 - --- Seasonal road, track
 - --- Clearing, tree line
 - --- Swamp, treed, open
 - --- embankment, tailings dam

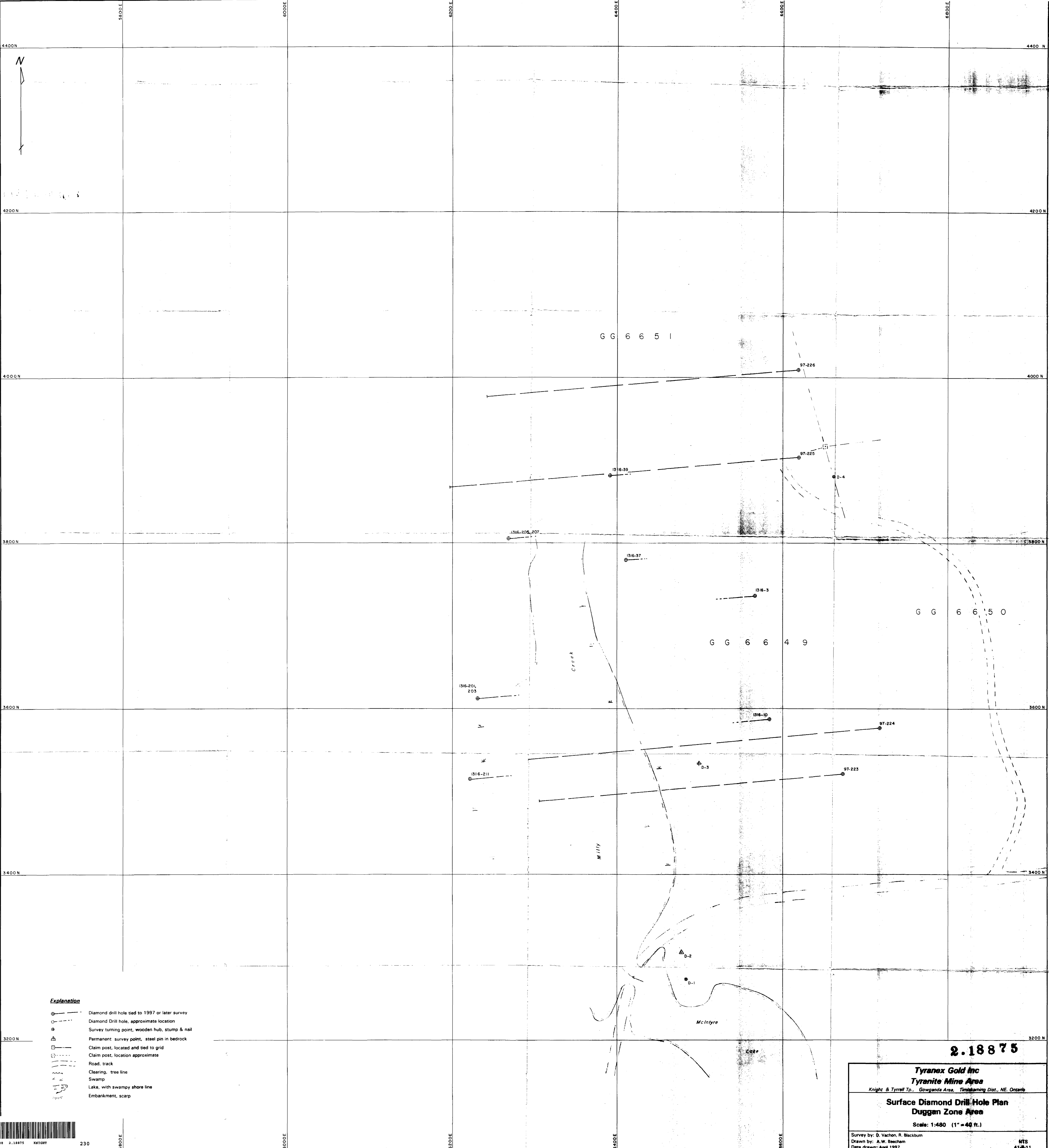
TyraneX Gold Inc
Tyrante Mine Area
 Knight & Tyrrell Tp., Gowganda Area, Timiskaming Dist., NE, Ontario

Surface Diamond Drill Hole Plan

Scale: 1:1200 (1" = 100 ft.)

Drawn by: A.W. Beecham
 Date drawn: Dec. 1995
 Revised: April 1997 Aug. 1998

NTS
41-P-11



Explanation

- Diamond drill hole tied to 1997 or later survey
- Diamond Drill hole, approximate location
- Survey turning point, wooden hub, stump & nail
- Permanent survey point, steel pin in bedrock
- Claim post, located and tied to grid
- Claim post, location approximate
- Road, track
- Clearing, tree line
- Swamp
- Lake, with swampy shore line
- Embankment, scarp

2.18875

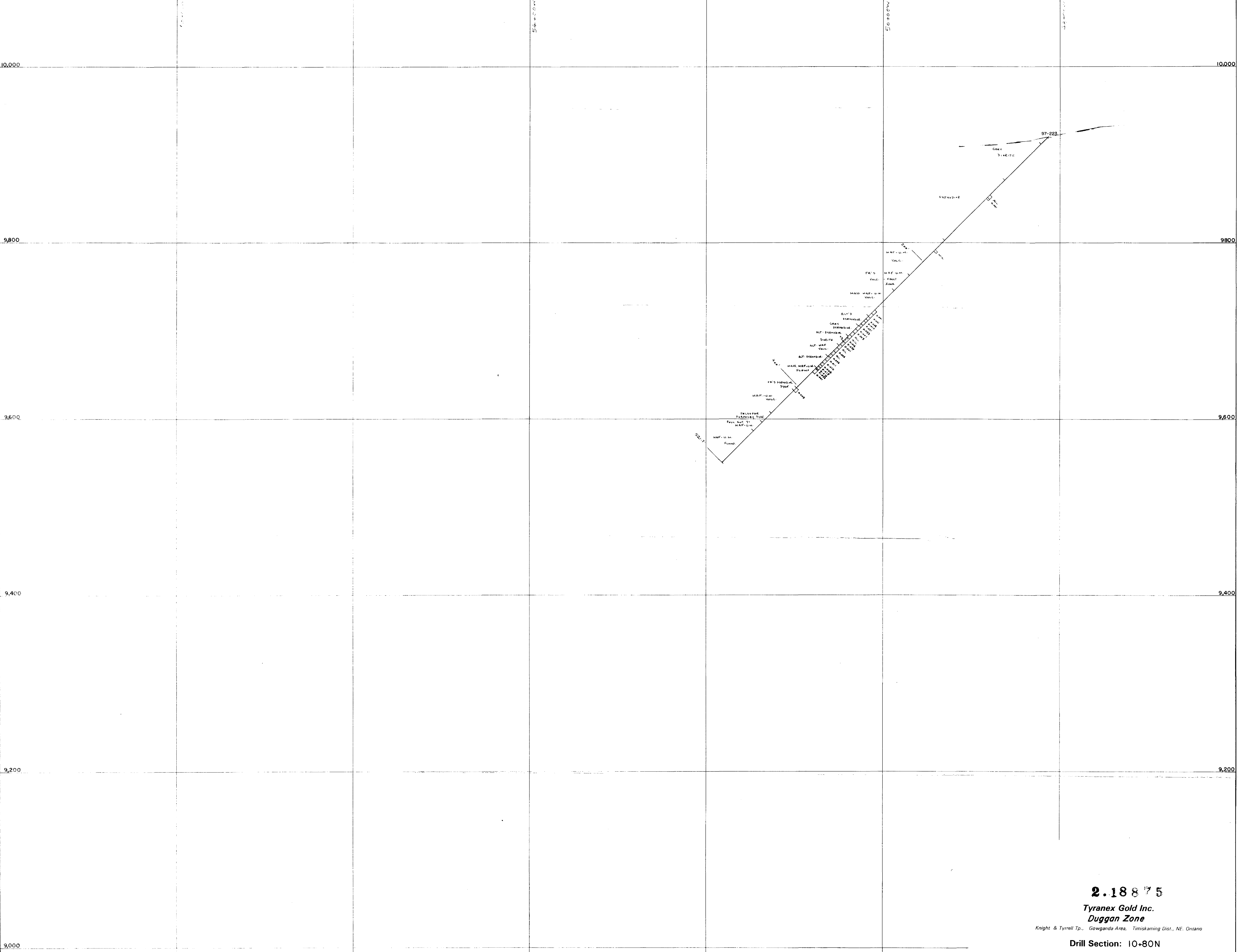
Tyrone Gold Inc
Tyrone Mine Area
Knight & Tyrone Tps., Gowanda Area, Timiskaming Dist., NE, Ontario

Surface Diamond Drill Hole Plan
Duggan Zone Area
 Scale: 1:480 (1" = 40 ft.)

Survey by: D. Vachon, R. Blackburn
 Drawn by: A.W. Becham
 Date drawn: April 1997

NTS
41-8-11





2.18875

Tyrone Gold Inc.
Duggan Zone

Knight & Tyrrell Tp., Gowganda Area, Timiskaming Dist., NE. Ontario

Drill Section: 10+80N

Scale: 1:480 (1" = 40 ft.)

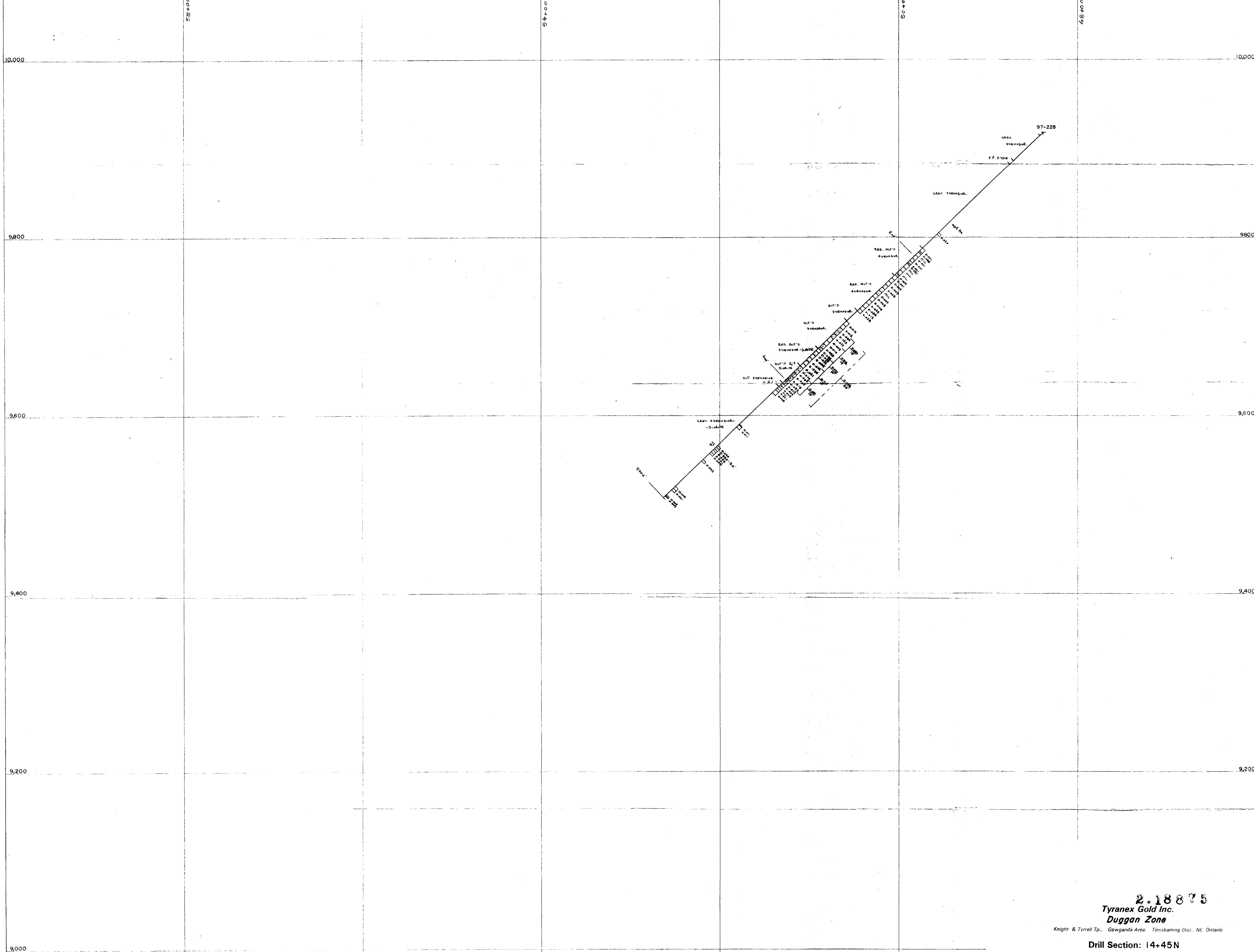
Section looking North Legend on Section

Drawn by: *A.W. Seaman*
Date drawn: *April 97*
Revised:

NTS
41-P-11



41P10M2008 2.18875 KNIGHT 240



2.18875
Tyrnax Gold Inc.
Duggan Zone

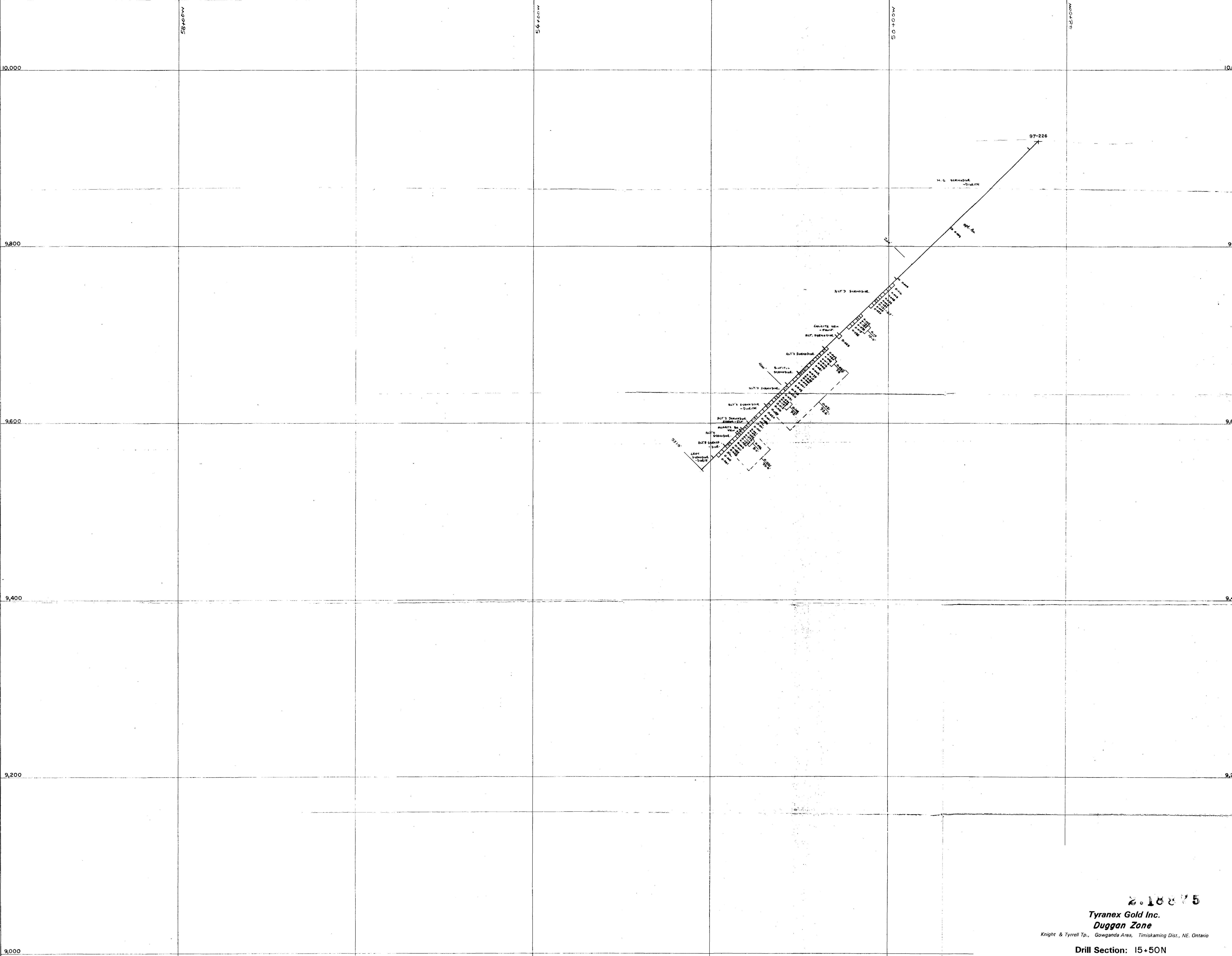
Knight & Tyrrell Tp., Gowganda Area, Timiskaming Dist., NE. Ontario

Drill Section: 14+45N

Scale: 1:480 (1" = 40 ft.)
 Section looking North Legend on Section:

Drawn by: *A.W. Beck*
 Date drawn: *April '97*
 Revised:





2.18875
Tyrnax Gold Inc.
Duggan Zone
 Knight & Tyrrell Tp., Gowganda Area, Timiskaming Dist., NE. Ontario

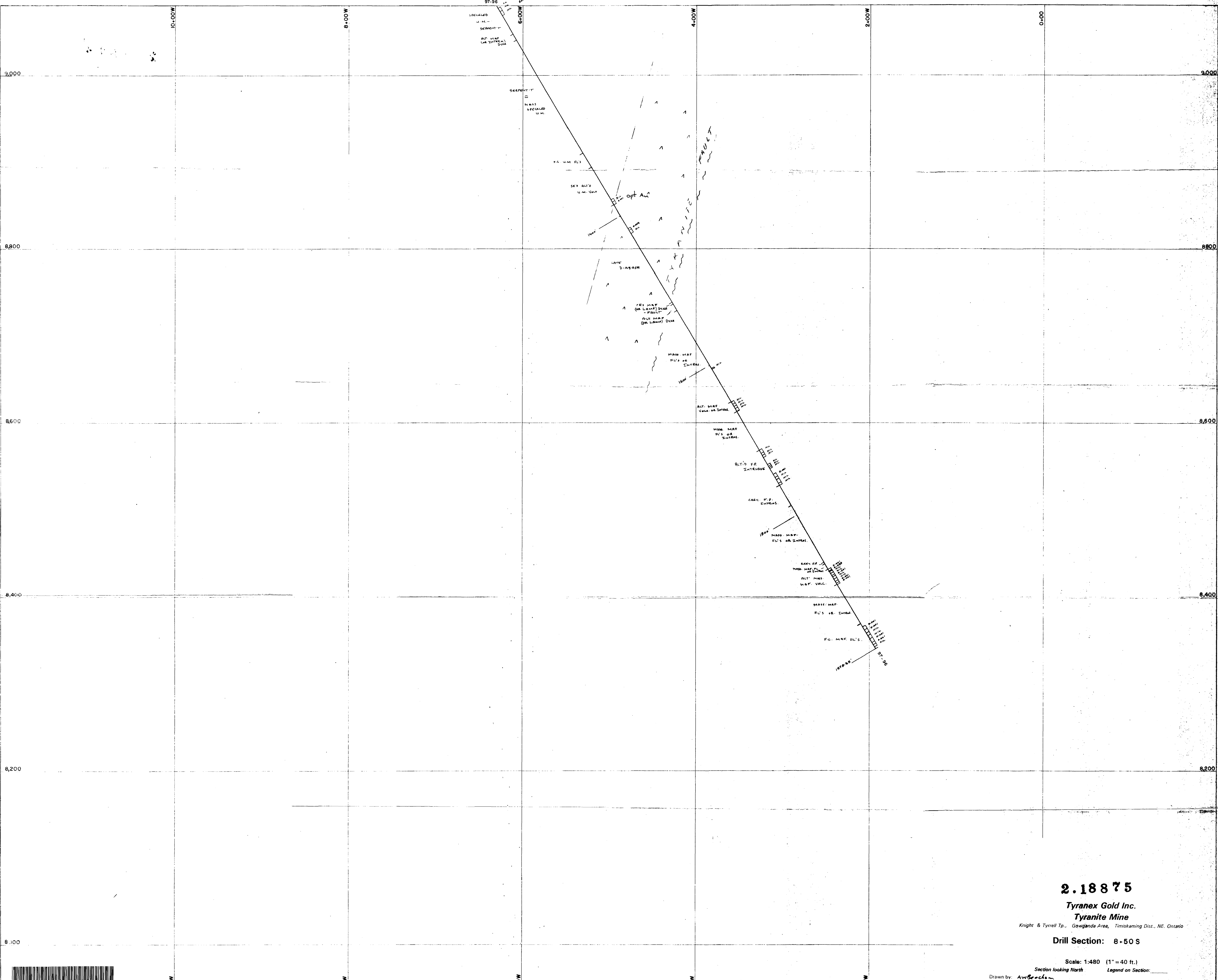
Drill Section: 15+50N

Scale: 1:480 (1" = 40 ft.)

Section looking North Legend on Section: _____

Drawn by: A.W. Beecham
 Date drawn: April '97
 Revised:





2.18875

**Tyrnax Gold Inc.
Tyrnite Mine**

Knights & Tyrrell Tp., Gowganda Area, Timiskaming Dist., NE, Ontario

Drill Section: 8-50 S

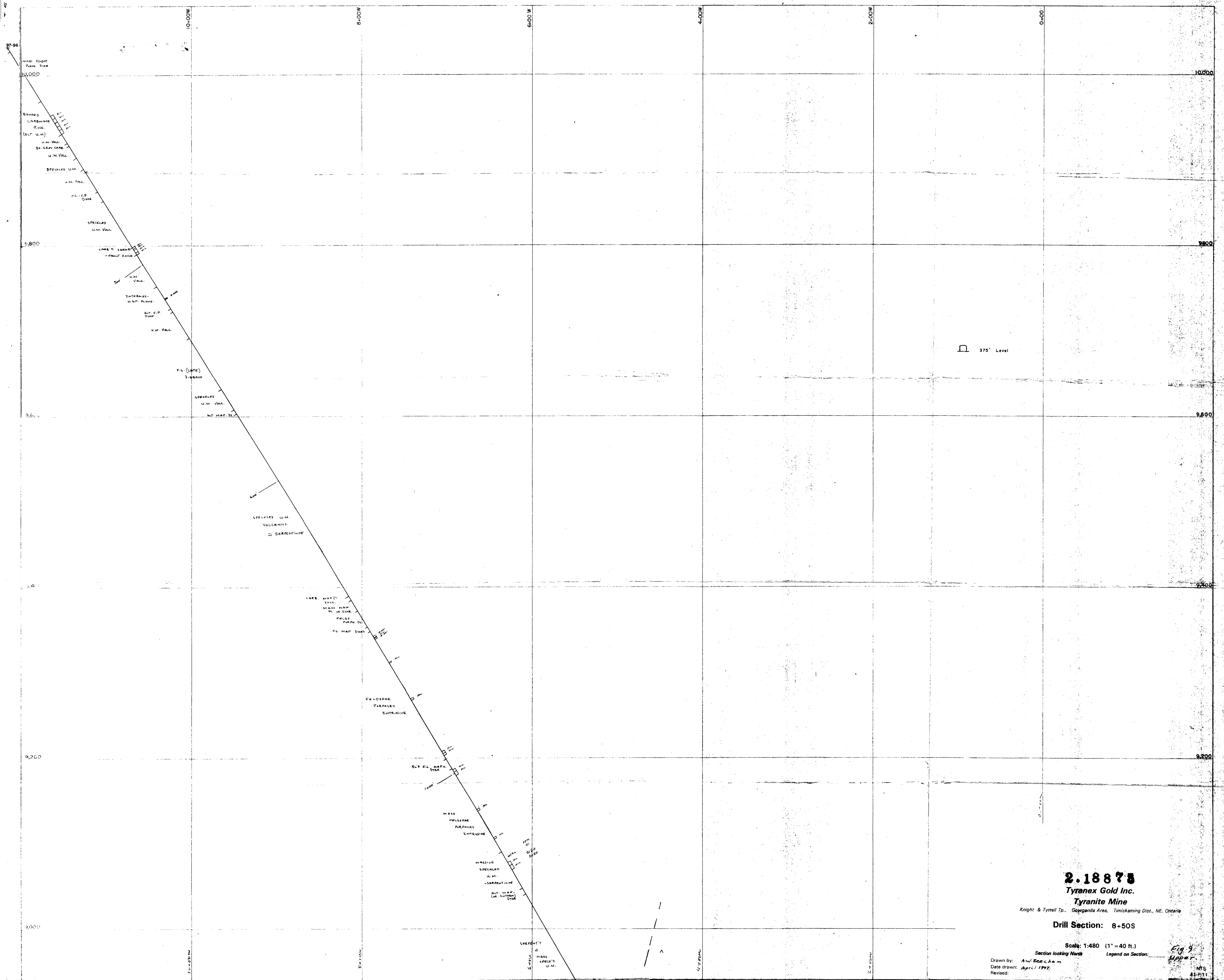
Scale: 1:480 (1" = 40 ft.)

Section looking North Legend on Section:

Drawn by: *AW/Beckon*
Date drawn: *April 97*
Revised:

NTS
41-P-11





2.18875
Tyrone Gold Inc.
Tyrone Mine

Knight & Tyrone Tds., Gowanda Area, Timiskaming Dist., NE, Ontario

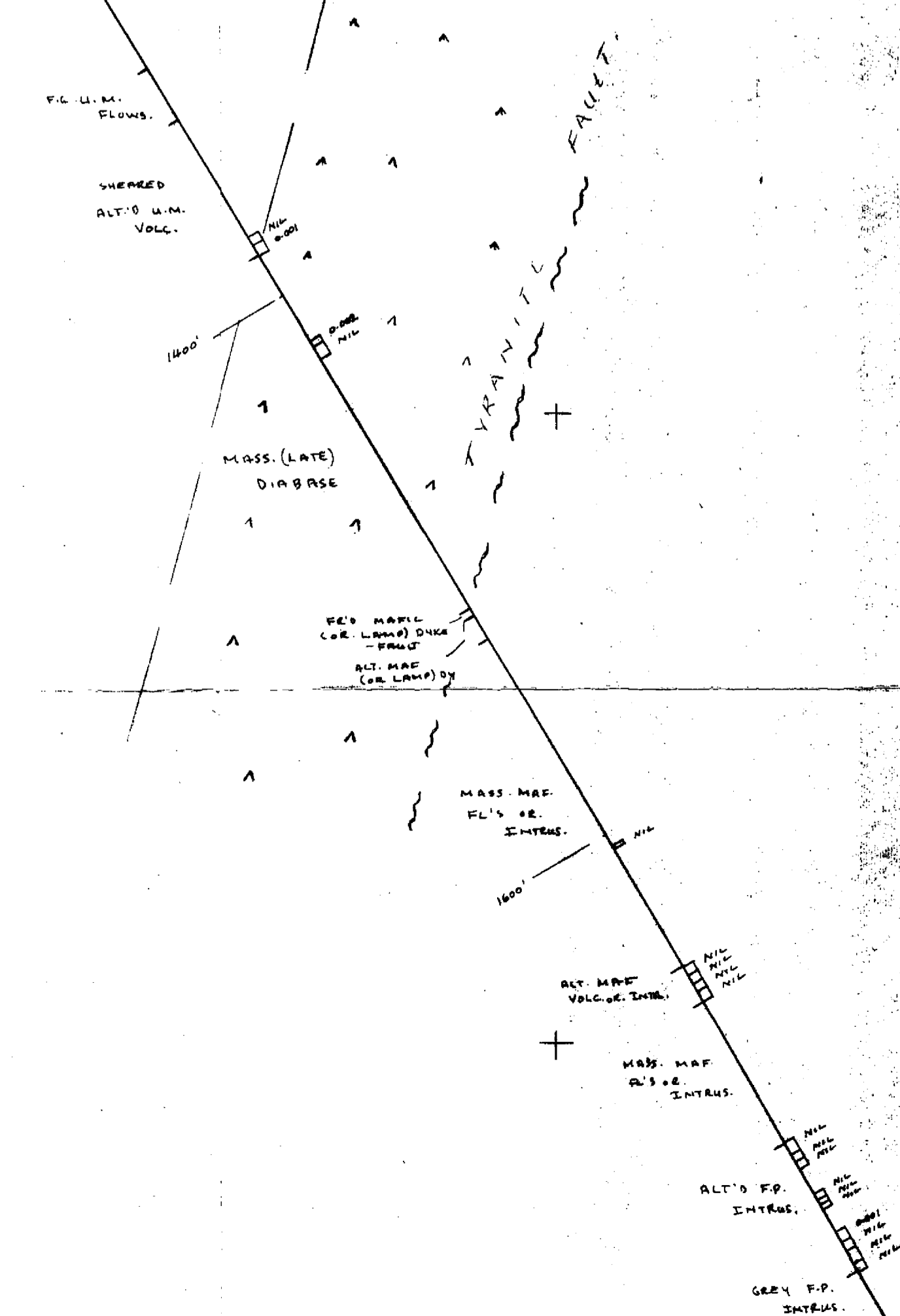
Drill Section: 8-50S

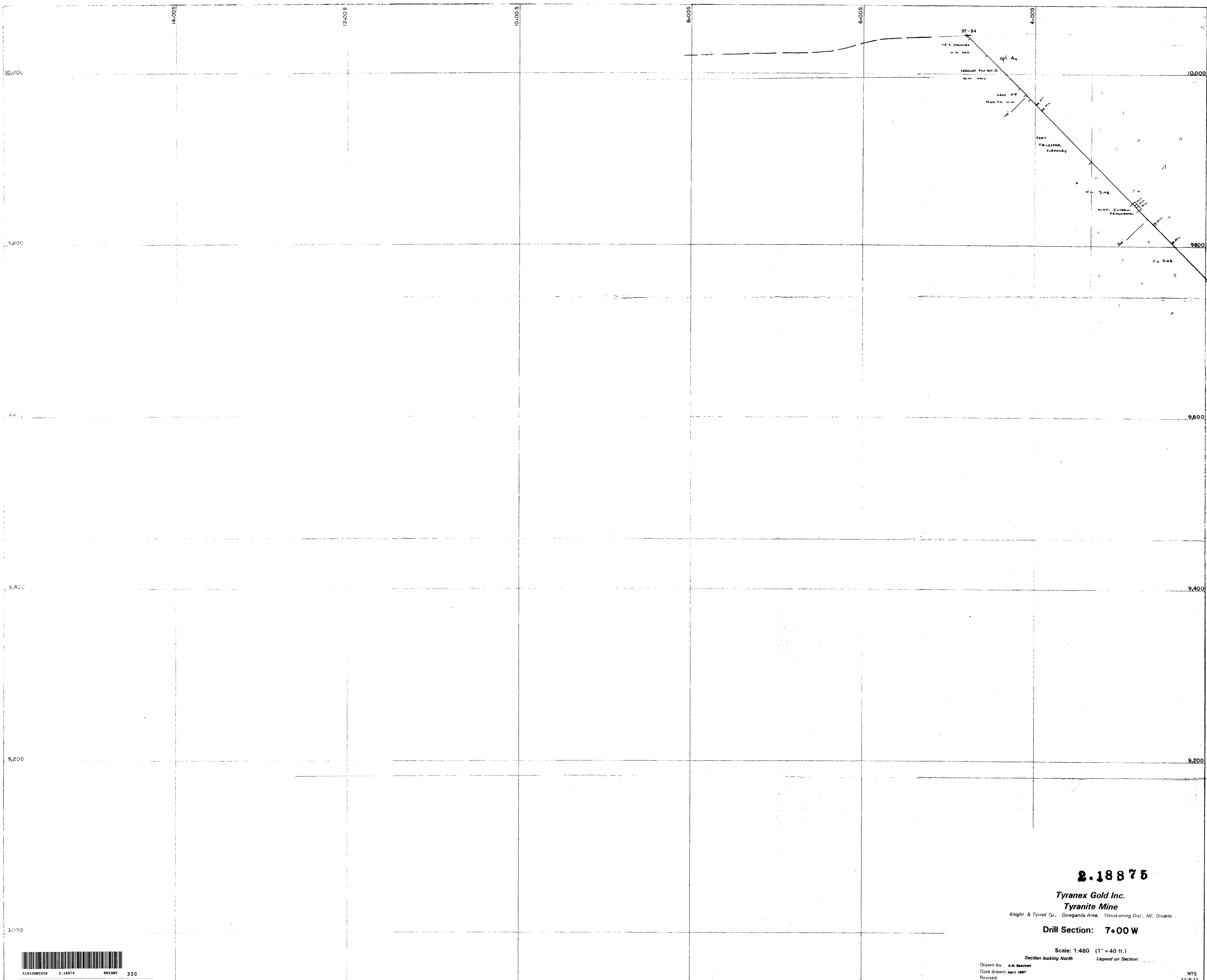
Scale: 1:480 (1" = 40 ft.)

Section looking North Legend on Section

Drawn by: A.V. Sec. A.M.
 Date drawn: April 1977
 Revised:

Fig. 9
 NTS
 81-211





2.18875

**Tyrnax Gold Inc.
Tyrnaxite Mine**

Knight & Tyrrell Tps., Gowganda Area, Timiskaming Dist., NE, Ontario

Drill Section: 7+00 W

Scale: 1:480 (1" = 40 ft.)

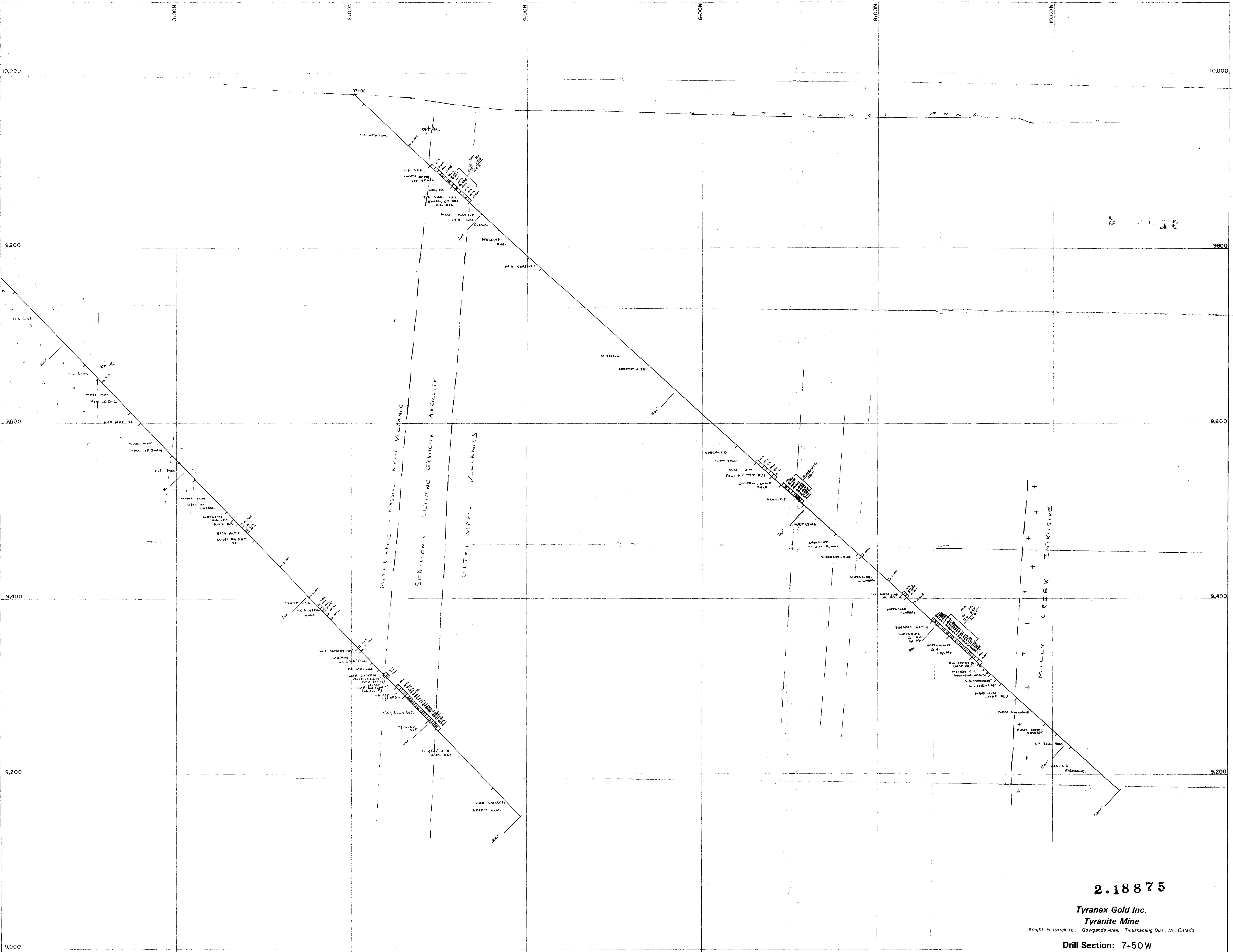
Section looking North Legend on Section:

Drawn by: A.W. Becham
Date drawn: April 1997
Revised:

NTS
41-P-11



41310W2008 2.18875 330



2.18875

Tyrone Gold Inc.
Tyrone Mine

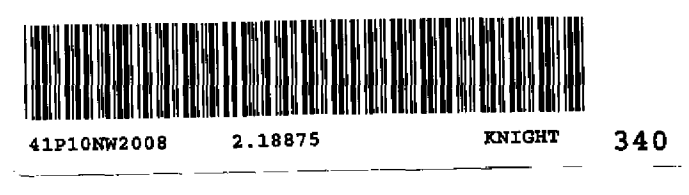
Knight & Tyrone Tps., Gowganda Area, Timiskaming Dist., NE Ontario

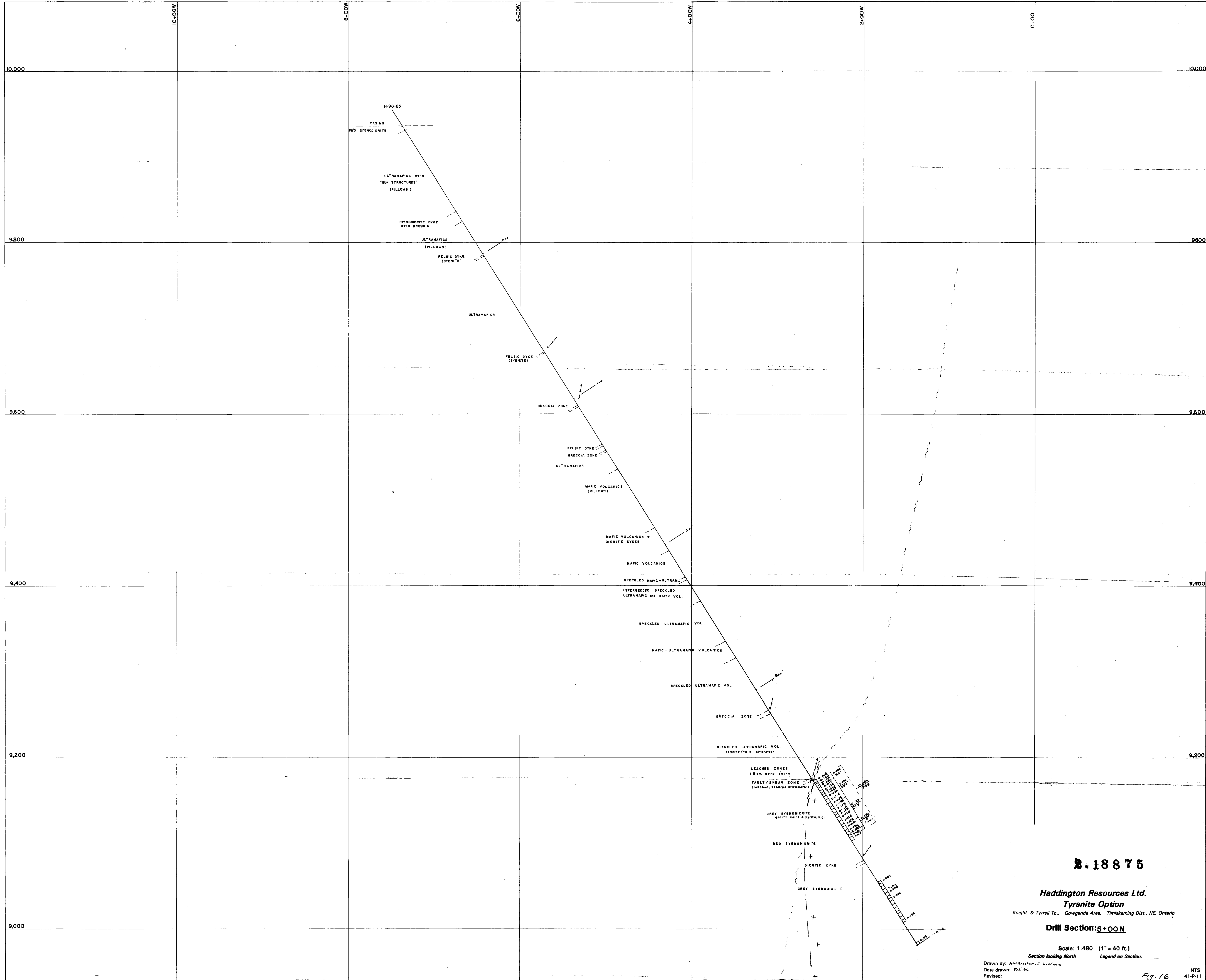
Drill Section: 7+50W

Scale: 1:480 (1" = 40 ft.)

Section looking North Legend on Section:

Drawn by: A.W. Beaman
Date drawn: April 1987
Revised:



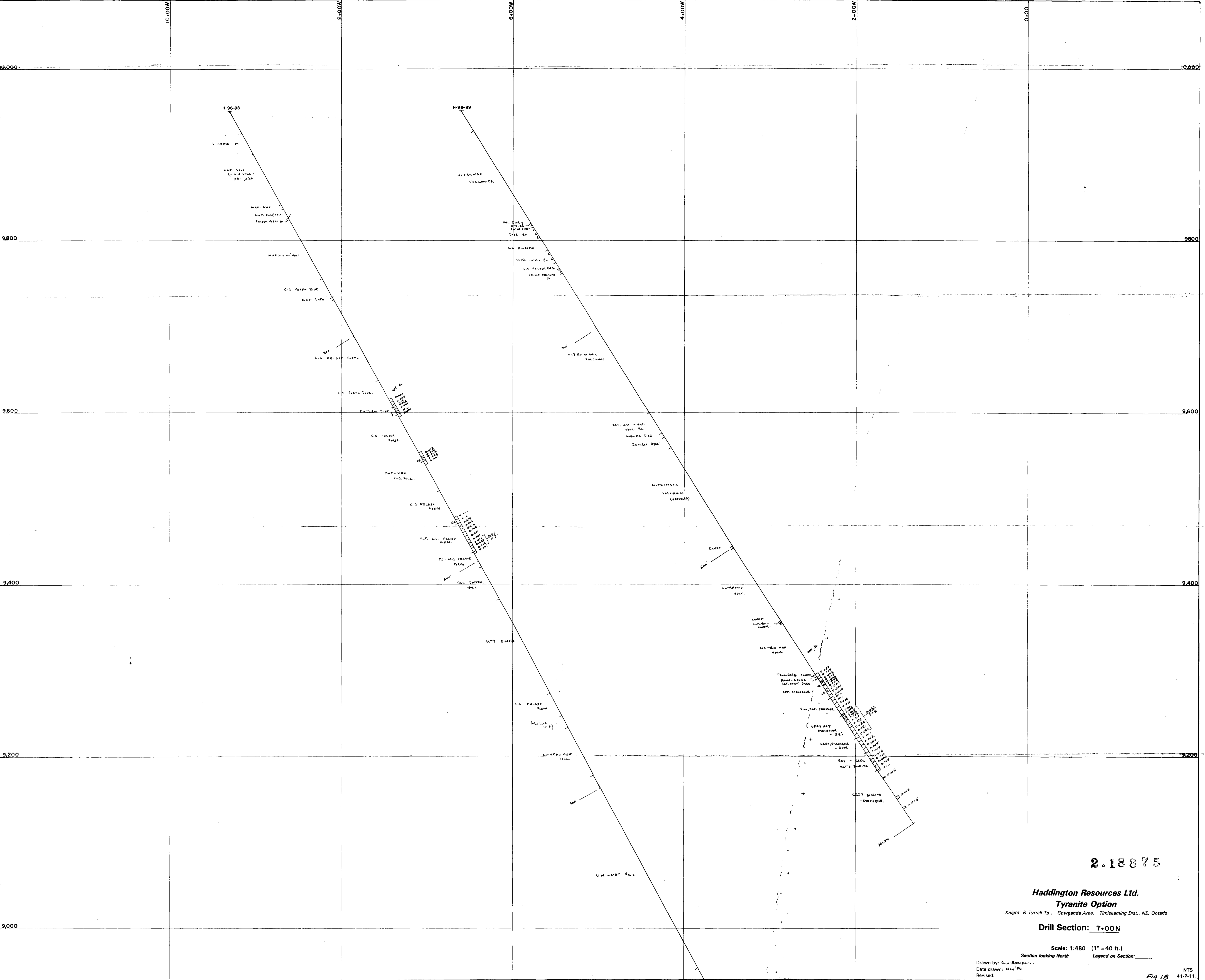


2.18875

Haddington Resources Ltd.
Tyrant Option
 Knight & Tyrrell Tp., Gowganda Area, Timiskaming Dist., NE. Ontario
Drill Section: 5+00N

Scale: 1:480 (1" = 40 ft.)
 Section looking North Legend on Section:
 Drawn by: A.W. Graham, T. Goodwin
 Date drawn: Feb '96
 Revised:
 NTS 41-P-11
 Fig. 16





2.18875

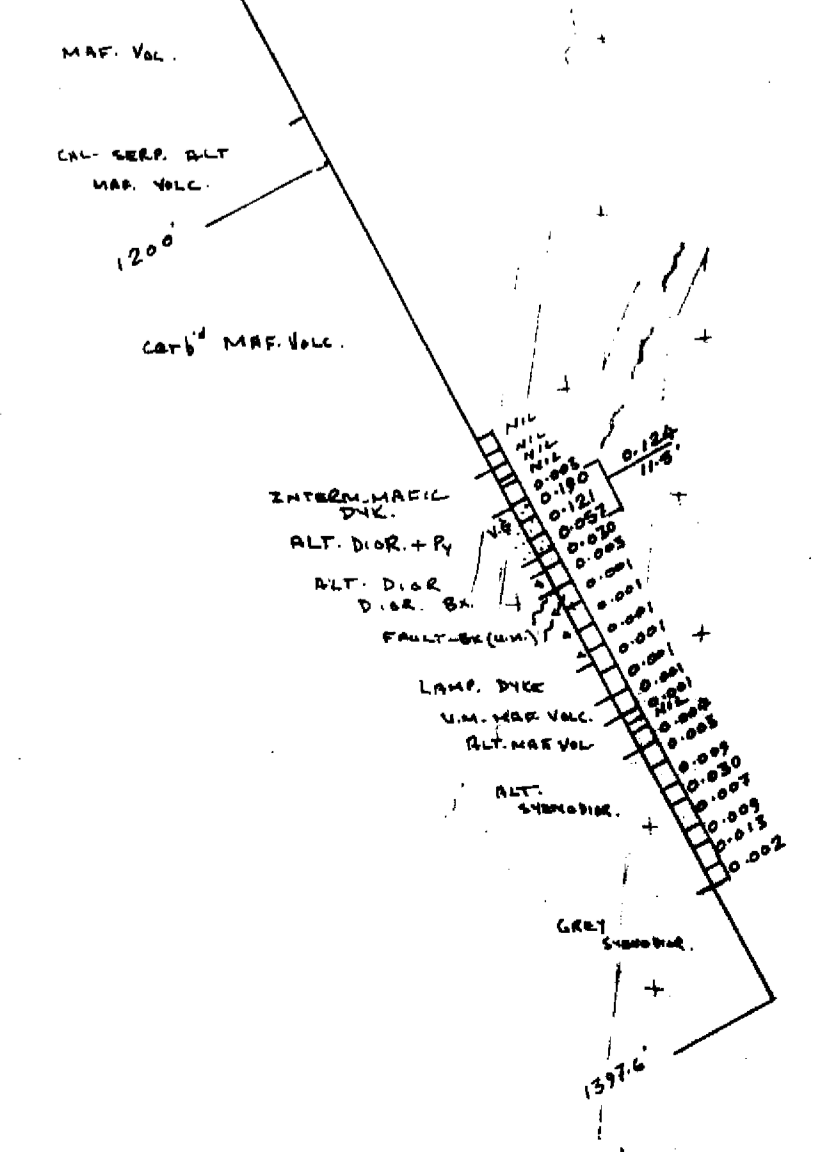
Haddington Resources Ltd.
Tyrant Option
 Knight & Tyrrell Tp., Gowganda Area, Timiskaming Dist., NE. Ontario

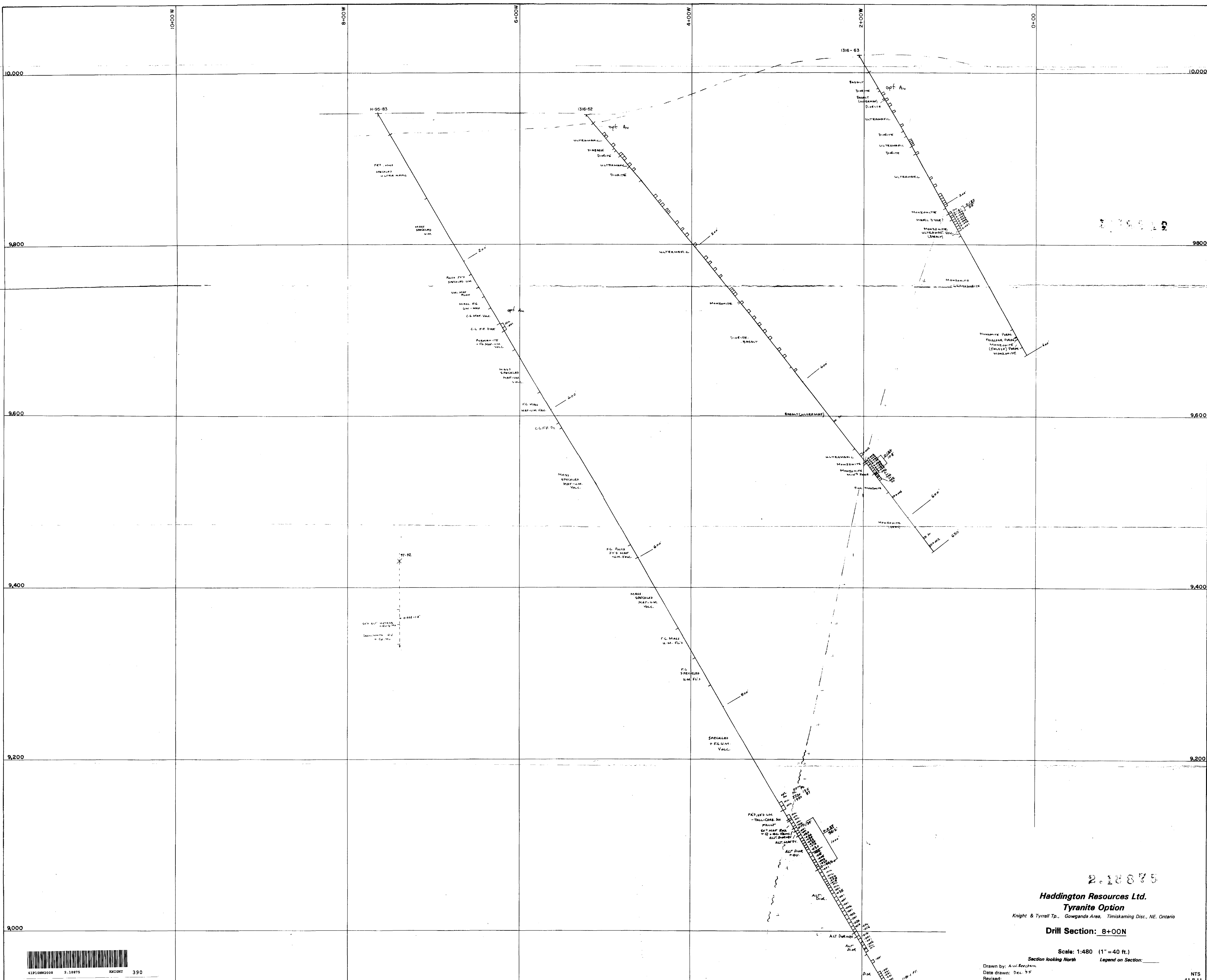
Drill Section: 7+00N

Scale: 1:480 (1" = 40 ft.)
 Section looking North Legend on Section:

Drawn by: R. J. Bechem
 Date drawn: May '96
 Revised:

Fig 18 NTS 41-P-11





2.18875

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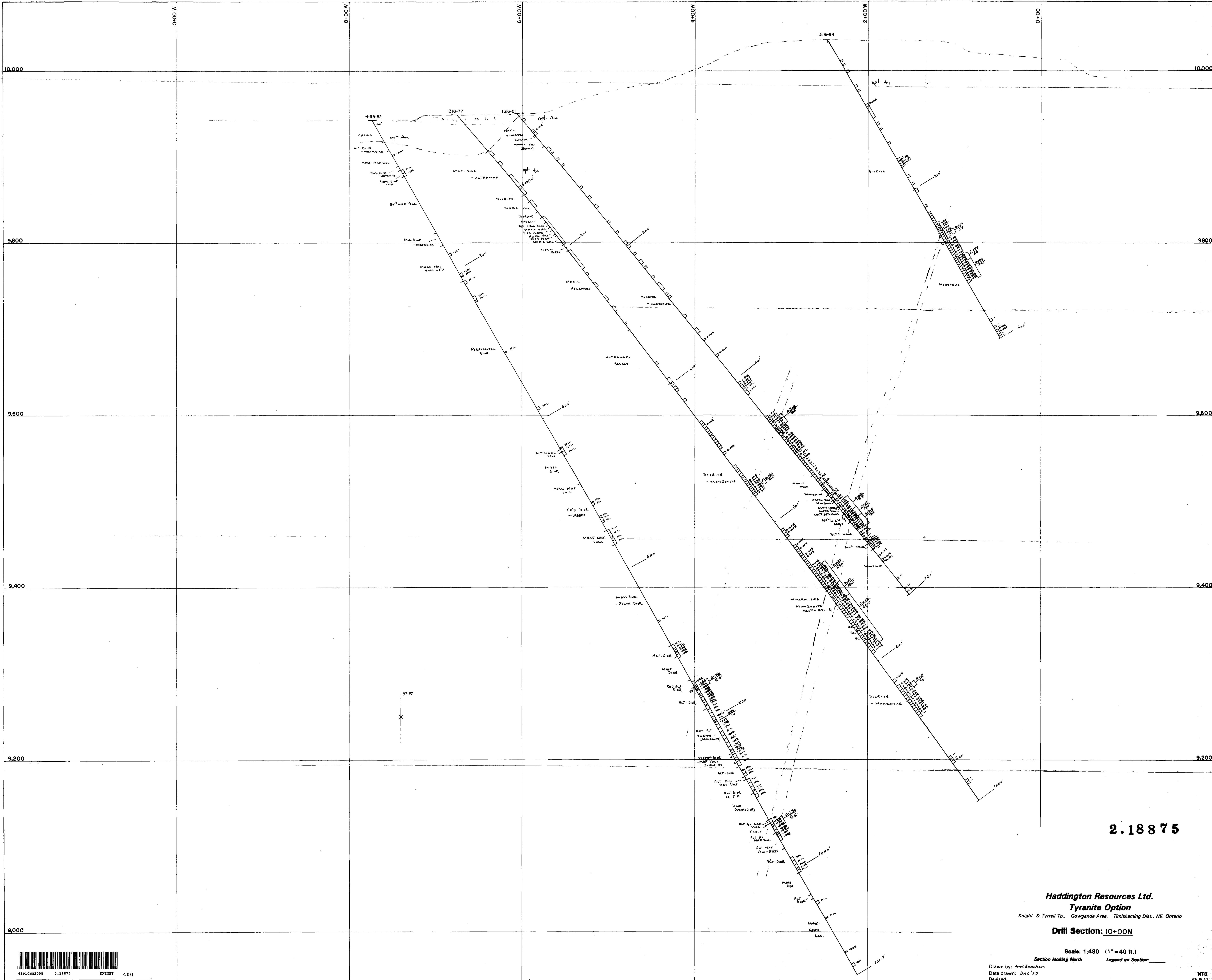
Drill Section: 8+00N

Scale: 1:480 (1" = 40 ft.)

Section looking North Legend on Section:

Drawn by: A.W. Beecher
 Date drawn: Dec. 95
 Revised:





2.18875

Haddington Resources Ltd.
Tyrantite Option
Knight & Tyrrell Tp., Gowganda Area, Timiskaming Dist., NE. Ontario
Drill Section: 10+00N

Scale: 1:480 (1" = 40 ft.)
Section looking North
Legend on Section:
Drawn by: AW. Seacham
Date drawn: Dec '97
Revised:
NTS
41-P-11
Fig. 20

