DIAMOND DRILLING

TOWNSHIP: HOBLITZELL TWP. REPORT NO: 20

WORK PERFORMED FOR: Cogema Canada Ltd.

RECORDED HOLDER: Same as Above [xx]
: Other [ ]

Claim No.	Hole No.	Footage	Date	Note
L 789332	BUR-01	200m	Feb/88	(1)(2)
	BUR-03	149m	Feb/88	(1)(2)
L 789335	BUR-04	200m	Feb/88	(1)(2)
L 789318	BUR-09	257m	Mar/88	(1)(2)
L 789326/ L 789329	BUR-10	244m	Mar/88	(1)(2)
L 789304	BUR-11	217m	Mar/88	(1)(2)
L 789239	BUR-12	191m	Mar/88	(1)(2)
L 789316/ L 789317	BUR-13	188m	Mar/88	(1)(2)

(1) W8808.002, date filed April 89

(2) comparable to emep submission OM87-6-C-326 filed July/91

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

FINAL REPORT 1988
"DIAMOND DRILL RESULTS"

VOLUME 1 of 3

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1. INTRODUCTION

1.1 General Statement

The Burntbush River project is a joint venture gold exploration program between COGEMA Canada Limited and AMERITEX Resources Limited. The property comprises 312 contiguous mining claims. The joint venture agreement was signed in May 1986.

1.2 Location and Access

The Burntbush River property covers about 50 km² in the townships of Hoblitzell and Noseworthy, northeastern Ontario (see Fig. 1). It is located approximately 90 km northwest of La Sarre and 20 km west of the Quebec-Ontario border (latitude 49°30'N, longitude 79°50'W, NTS 32E and 42H).

During the winter program, access to the area was by winter road via Tomlinson Road, which connects to a main E-W maintained gravel road joining La Sarre, Que. and Iroquois Falls, Ont.

1.3 Summary of Work Performed to Date

Most of the project area (300 claims) was staked for AMERITEX in January, 1984. The only work performed by them on the claims was an airborne VLF-EM and magnetics survey, which was contracted to Aerodat Ltd (Ameritex, 1984).

In May 1986, COGEMA and AMERITEX signed a joint venture agreement naming COGEMA operator of the exploration program and all subsequent work has been performed by ourselves. At this time, a block of 12 claims (previously held by DOME Explorations Ltd) was added to the property.

The first field program was performed in the summer of 1986, and comprised geologic traverses aimed at locating, mapping and sampling outcrops. Traverse spacing ranged from 50 to 100 m and numerous undocumented outcrops were found and described (COGEMA Reference No. 86-CND-47-02).

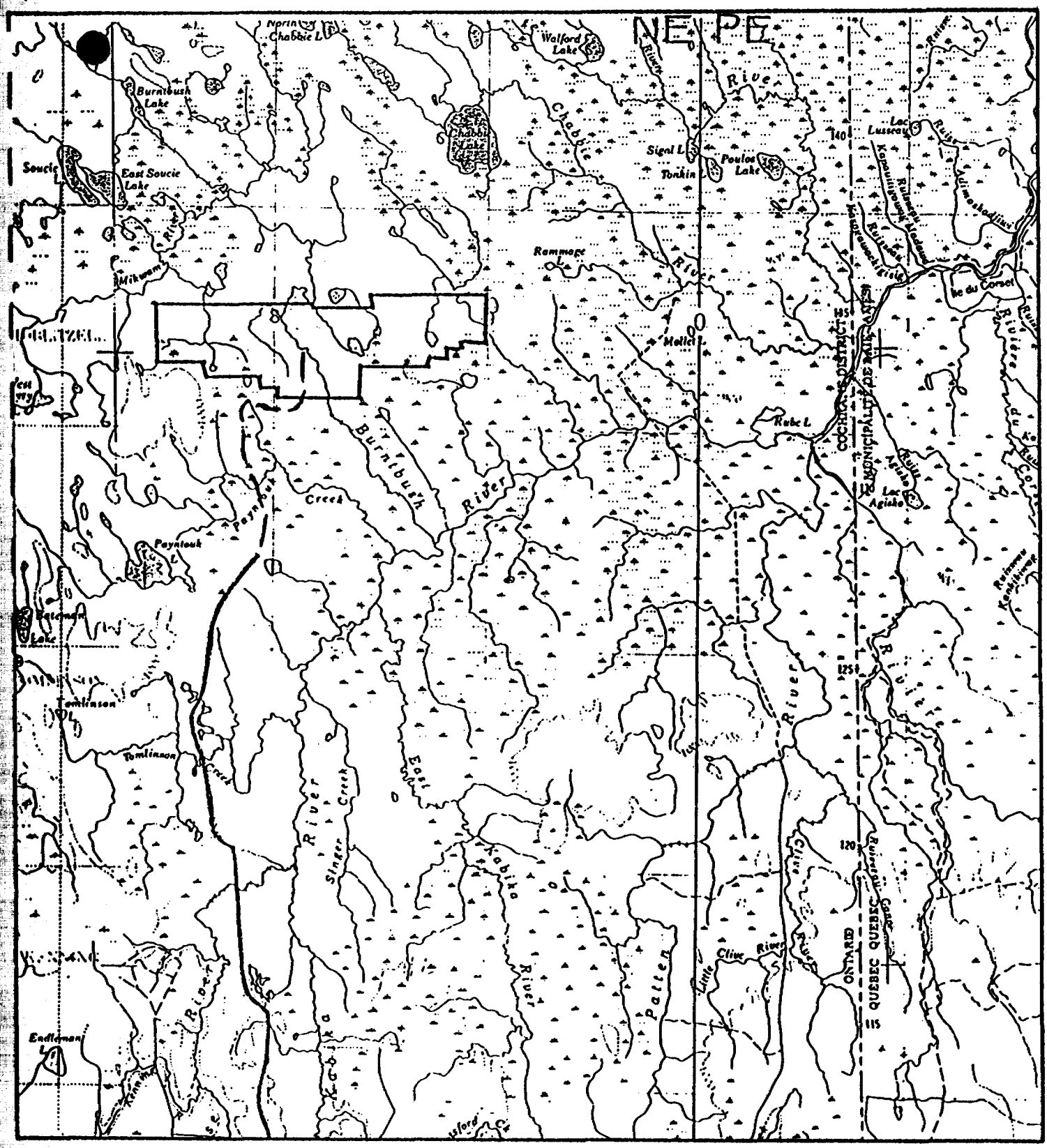

Figure 1 Location of the Burntbush River Property, Northeastern Ontario.
Scale 1:250 000

——— Tomlinson Road

— — — Winter road to camp

Later, in the fall of 1986, five of the larger outcrops were stripped and detailed mapping was performed in order to better understand the geology. These outcrops are fairly well distributed across the property and represent an important step in understanding the property geology at a broader scale (COGEMA Ref. No. 87-CND-47-01).

In December 1986, a second airborne survey was commissioned, this time to DIGHEM Surveys Ltd, mostly because the previous airborne survey did not include low frequency or time domain EM instrumentation (COGEMA Ref. No. 87-CND-47-02).

The winter 1987 program consisted of reverse circulation (overburden) drilling at ~400 m x 400 m spacing and was planned to cover the southern one third of the property. Unfortunately, 23 of the planned drill holes could not be completed due to mild weather which made it necessary to abandon work on the east side of the Burntbush River.

Reverse circulation drilling was therefore resumed during the summer 1987 program. This program was designed to complete the reconnaissance holes not yet drilled, and also to perform some detailed follow-up drilling (~200 m x 200 m spacing) in areas of interest interpreted from the results of the winter program (see COGEMA Ref. No. 87-CND-47-02).

Work performed during 1988 includes:

* line cutting of two grids (Burntbush and Blue Lake grids);
* ground magnetics and VLF surveys over these grids and along two profiles of particular interest;
* IP surveys over selected lines;
* reverse circulation drilling of 40 additional sites;
* 13 diamond drill holes for a total of 2904.5 m.

1.4 Bedrock Geology of the Project Area

The bedrock geology of the area was first studied by Thomson (1936) and more recently by Johns (1982). The following brief summary serves only as an introduction; the reader is referred to our earlier reports for more background information.

The property has been informally subdivided into a "northern low magnetic terrane" and "southern high magnetic terrane":

> Very few outcrops occur in the north part of the property, and from these it is interpreted that the area is underlain by predominantly high grade metasedimentary rocks (turbidites), with lesser predominantly mafic, metavolcanic rocks. A few intrusive metagabbros are present and there are numerous late dykes and veins of various compositions.
>
> The southern part of the property may be less strongly metamorphosed than the northern part, and outcrop exposure is somewhat better. Tuffs and flows of mostly intermediate compositions have been mapped. These rocks have been intruded by various others, including metagabbro and diabase, but veining seems to be less common than in the north.

It is believed that one or more major east-west structures transect the property and this is supported to some extent by our surface mapping.

1.5 Objectives of the Drilling Program

The main objective of the drilling program was to evaluate the gold potential of the property. Thus, 10 of the holes were drilled along three fences in the south-central part of the property (Burntbush grid) where reverse circulation drilling indicated variable rock types and weakly anomalous gold values (up to 31 ppb) and where airborne magnetics results suggested probable structural (but also possibly stratigraphic) contacts of potential interest.

The remaining three holes were more widely distributed across the property. Two holes were drilled in the metasediments: the first to test the strong E-W magnetic anomaly of the northeastern portion of the property (L4900E), the second to test an IP anomaly to the south of reverse circulation holes BOB-12 and BOB-114, where abundant gold grains were detected in pre-Wisconsinan gravels (Blue Lake grid). Finally, one hole was drilled west of Spade Lake (L5900W) to test a magnetic contact where reverse circulation drilling had again indicated weakly anomalous gold values (up to 28 ppb).

2. DESCRIPTION OF FIELD WORK

2.1 Line-cutting

During winter 1987, widely spaced lines were cut for the purpose of surveying reverse circulation holes. For this program (1988), approximately 200 km were cut and picketed to permit ground geophysical surveys, and correct positioning of reverse circulation and diamond drill holes.

Two grids and two profiles were cut or rechained by EM Exploration Services Inc. (of Rouyn-Noranda, Que.): the Burntbush grid (line cutting 137 km, rechaining 5.4 km), the Blue Lake grid (line cutting 61 km, rechaining 3.3 km), the Blue Lake profile (L4900E, included in above) and the Spade Lake profile (L5900W, rechaining 0.9 km). Lines were cut 50 m apart and picketed every 25 m.

2.2 Ground Geophysics

2.2.1 VLF and Magnetics

These two surveys were carried out simultaneously by EM Exploration Services Inc. on the grids and profiles. Readings were taken on all lines at 25 m spacing (50 x 25 m lattice). The surveys were undertaken to aid in ground positioning of the drill holes, and to evaluate the usefulness of a more detailed survey compared to the airborne results, which were flown at 100 m spacing.

The VLF survey was done using a Geonic's "VLF-EM 16" instrument using the Cutler, Maine (NAA, 24.0 KHz) station. In-phase and quadrature components were read and hand drawn profiles were produced on-site. In all cases, readings were taken with the operator facing north.

The magnetics survey was done using an EDA "Omni IV proton magnetometer" while a base station monitored the diurnal variation. Every day, data were "dumped" through the base station and corrected readings were printed. A hand-contoured map was then produced.

At the end of the program, the VLF and magnetics data were digitized and computer drawn maps were supplied to us by the contractor.

The contractor's report covering these surveys has been compiled and is presented in COGEMA Ref. No. 88-CND-47-02 (volume 2).

2.2.2 Induced Polarization

A limited amount of IP work was performed to aid in drill hole positioning and to evaluate the usefulness of this method in the project area.

This survey was done on 6 lines (lines 3+50E, 51+00E, 56+00E, 64+00E, 68+00E, 71+00E) and also along the camp road (which approximately follows line 900W) by JVX, Ltd. (of Thornhill, Ont.). A total of 8.225 km was surveyed in five days. The contractor used a Scintrex IPR-11 multichannel time domain receiver and a Scintrex IPC-7 2.5 kW time domain IP/resistivity transmitter with an 8 hp motor generator. Each day, results were downloaded from the field instruments to a micro-computer and pseudosections were produced.

The contractor's report is presented in COGEMA Ref. No. 88-CND-47-02 (volume 1).

2.3 Reverse Circulation Drilling

Reverse circulation drilling was performed by Heath and Sherwood Drilling Inc. (of Kirkland Lake, Ont.); logging and sampling was performed by Overburden Drilling Management Limited (of Nepean, Ont.).

A total of 40 sites were drilled and these were distributed across 4 areas within the property: along the E-W magnetic anomaly in the northeast part (18 holes), in the area between the Burntbush River and Nedlog Lake (6 holes), in the southernmost part of the property west of the Burntbush River (5 holes) and along an E-W line located between the western property boundary and the large sheared metagabbro outcrop (11 holes).

A fully interpreted report has been prepared (COGEMA Ref. No. 88-CND-47-01) which describes this program.

2.4 Diamond Drilling

The diamond drilling contract was awarded to Les Forages Foranord Inc. (of Rouyn-Noranda, Que.) while drill hole surveying, core logging and core sampling were realized by Cogema's personnel.

A total of 13 holes were drilled for a cumulative total of 2904.5 m.

Drilling technique

The material used by Foranord consisted of:

- two Longyear 38 unitized diamond coring drills equipped with BQ rods and BW and NW casing;
- two unitized pump shacks equipped with sufficient water lines;
- one Timber Jack tractor for drill moves and water hauling;
- one bulldozer (D5 or D6) for trail maintenance and drill moves;
- one propane heated water tank (5000 imp. gals) that was used where water supply was too remote.

Foranord directed the operations from their own base camp located at the old Newmont camp on the Burntbush River. The drills were run on two 12 hour shifts.

Drill hole surveying

All holes were carefully spotted on the grid before the arrival of the machinery. After the site was cleaned, the drill was positioned and levelled with the assistance of a Cogema geologist. Hole inclination was verified when the drill was in place.

During drilling, hole inclination was checked every 60 m using the acid etched tube method.

Core logging

All holes were logged and described in the field at 1:100 scale. Each box, once logged, was clearly identified with metallic embossing tape (hole No., box No., depth) and properly stored.

Core sampling and analysis

Core sampling was performed with several objectives in mind:

* to analyze for gold in areas of interest;

* to analyze for major elements in the "typical" rock units;

* to analyze also for minor elements in the "typical" rock types since bedrock chips from the reverse circulation program are analyzed in this manner, and since the minor element package which we use includes a gold analysis;

* to sample for thin sections to help understand the rock types and alterations present.

Sampling for "gold only" was done in two stages. At first, the core was sampled for gold at the discretion of the logging geologist; 50 cm long, half core samples were taken. After discussion, it was decided that larger samples (1.5 m long, half core) over more continuous zones would be preferable to smaller "punctual" samples. The drill core was then resampled using these new criteria.

A total of 669 samples were sent for "gold only" analysis; of these, 175 were sent to the assay laboratory of "Mine Yvan Vézina" in Destor, Que., and 494 samples were sent to Chimitec Ltée, in Ste-Foy, Qué.

Other samples taken are as follows:

- 89 samples analysed for both major and minor elements
- 11 samples analysed for major elements only
- 2 samples analysed for minor elements only

- 110 thin sections

Major and minor element analyses were done by Chimitec. See Appendix II for the analytical procedures and detection limits. Thin sections were made at Ecole Polytechnique in Montreal.

Control samples and reliability of results

During the sampling, quartzite control samples were inserted at intervals of approximately 25 samples, to help detect possible problems of contamination which might cause false gold anomalies.

COGEMA Canada purchased one ton of this material and it is used on all gold projects. Preliminary analyses of the quartzite done by Chimitec all gave <2 ppb Au (by neutron activation).

Twenty-one control samples were inserted into the "gold only" samples sent to Chimitec; twenty gave <5 ppb while one gave 20 ppb Au. Although one sample appears to be weakly contaminated, we feel confident that Chimitec has provided us with reliable results.

Ten controls were sent to Mine Yvan Vezina, and nine gave below detection limit results; the tenth sample gave 0.8 g/t which indicates the possibility of occasional strongly contaminated samples from this lab. Thus, any important anomalies should be rechecked by sampling the remaining half core (NOT the pulp or reject) before conclusions can be drawn.

Eight control samples were also introduced with the minor elements samples sent to Chimitec. The results show no evidence of contamination in any elements.

3. DIAMOND DRILL RESULTS

3.1 General Outline

Thirteen diamond drill holes were performed; a total of 2904.5 m were drilled. Drill hole locations are given on MAP 1, and a drilling summary is presented in Table 1.

Two of the holes were drilled in the eastern part of the property (Blue Lake area; BUR-02, 08), ten holes were drilled in the central part (Burntbush grid area; BUR-05, 06, 07 on L350E, BUR-01, 03, 04, 10 on L900W and BUR-09, 13, 11 on L2000W) and one hole was drilled in the western part of the property (Spade Lake area; BUR-12).

Results will be presented from east to west across the property (rather than in the order drilled) to facilitate discussion of the results.

Results presented are mainly a summary of the diamond drill (1/100) logs (see Appendix I), chemistry results and thin section studies (see Appendix II), but reference is also made to the various exploration results described in earlier reports (eg outcrop studies, reverse circulation drilling, airborne and ground geophysical work).

3.2 Blue Lake Area

BUR-08 (see MAP 2)

BUR-08 was drilled on the west shore of Blue Lake to test a weak IP response. The VLF profile also shows an in-phase inflection and corresponding reverse quadrature crossover; both of these are weak, low amplitude features.

No outcrop is exposed in this eastern part of the property, but the results of reverse circulation drilling suggested that metamorphosed greywackes (biotite $\pm$ amphibole $\pm$ garnet schists) would be intersected.

Table 1 : DIAMOND DRILL STATISTICS

HOLE # / DRILL #	STARTED / COMPLETED	COLLAR CO-ORDINATES	AZIMUTH / INCLINATION	OVERBURDEN / BEDROCK	TOTAL DEPTH
BUR-01	22/02/88	X: 900W	180°	7.3	
#01	25/02/88	Y: 1340S	-45.5°	192.7	200
BUR-02	25/02/88	X: 4900E	180°	46.1	
#02	02/03/88	Y: 2025N	-50.5°	198.9	245
BUR-03	25/02/88	X: 900W	180°	6.5	
#01	26/02/88	Y: 1175S	-45.5°	142.5	149
BUR-04	26/02/88	X: 900W	178°	7.3	
#01	29/02/88	Y: 775S	-45.5°	192.7	200
BUR-05	29/02/88	X: 350E	181°	52.4	
#01	11/03/88	Y: 850S	-50°	225.6	278
BUR-06	03/03/88	X: 350E	180°	40	
#02	09/03/88	Y: 500S	-50°	207.2	247.2
BUR-07	09/03/88	X: 350E	179°	44.9	
#02	14/03/88	Y: 160S	-50°	215.1	260
BUR-08	12/03/88	X: 5045E	174°	37	
#01	15/03/88	Y: 705N	-50°	191.3	228.3
BUR-09	15/03/88	X: 2000W	180°	20.8	
#02	18/03/88	Y: 325S	-45.5°	236.2	257
BUR-10	16/03/88	X: 900W	180°	16.2	
#01	19/03/88	Y: 350S	-45°	227.8	244
BUR-11	18/03/88	X: 2000W	180°	19.3	
#02	22/03/88	Y: 775N	-45.5°	197.7	217
BUR-12	20/03/88	X: 5900W	180°	41	
#01	23/03/88	Y: 050N	-45°	150	191
BUR-13	22/03/88	X: 2000W	180°	27.7	
#02	24/03/88	Y: 200N	-45°	160.3	188
			CUMULATIVE TOTALS: O/B :	366.5	
			Bedrock :	2538	
			Total :		2904.5

The main purpose of the drill hole was to see if there might be a relation between this and other IP anomalies to the east (within the Blue Lake grid area) and the presence of abundant gold grains in pre-Wisconsinan gravels preserved in a topographic "hole" to the immediate northeast of Blue Lake.

The principal rock type logged is greywacke. Foliation measures are mostly in the 60 to 80 degrees to core axis (tca) range, with a few readings of 50 to 60° tca. We interpret these results to mean that the rocks dip north at 55 to 75°, with local more steeply dipping sections. The greywackes are locally cut by thin (<1 m) porphyritic and mafic dykes.

The greywackes are fine grained quartz-feldspar-biotite schists. Minor garnet and/or amphibole porphyroblasts are locally present. The rocks are generally fresh and unaltered: calcite is present in variable amounts but is generally only a minor constituent.

Sulfide content of the rocks is very low. Pyrite was, however, smeared together with chlorite on many fracture planes. Where fracture density is significant, this pyrite could conceivably cause an IP response, for example at 110 to 125 m. This fracture zone would conceivably also explain the VLF anomaly.

The hole was not extensively sampled, due to the fresh appearance of the rocks, and due to the lack of structural deformation. The best gold value was 9 ppb, taken in a mafic dyke near the top of the fracture zone mentioned above.

BUR-02 (see MAP 3)

BUR-02 was drilled into the strong linear coincident high magnetic-EM anomaly which extends east-west across the northeastern part of the claim group. A ground geophysical profile (magnetics and VLF) was performed to facilitate hole positioning. The magnetics profile shows a well-defined peak anomaly with subsidiary magnetic features on the north flank. The VLF results show a low amplitude in-phase inflection with corresponding reverse quadrature crossover on this flank, which probably correlates with the northernmost of two parallel airborne EM anomalies detected with the DIGHEM survey.

No outcrop is exposed in this eastern part of the property, and at the time of drilling, no reverse circulation holes had been completed in this area. We concluded, though, from later reverse circulation drilling that the high magnetic response was due to the occurrence of mafic metavolcanic rocks of limited thickness, within the metasedimentary pile. This situation resembles the setting at outcrop exposures in the north-central part of the property (trench 1).

The field description of the core can be subdivided into two main units. Predominantly micaschists are logged down to about 95 m, and afterwards, mostly argillites are described. Foliation measures range from 40 to 45° tca down to about 105 m, from 105 to 120 m they gradually change to 60 to 70° tca, and they remain in this range to the end of the hole, except for the interval 195 to 206.5 m, where meter scale folds were observed. Acid tests indicate that between 120 and 180 m, the inclination of the drill hole changed from -47 to -33°, so we interpret these results to indicate mainly vertical to subvertical dipping units. The stratigraphy also includes minor quartzite, and has been locally cut by porphyry dykes.

The contact zone between the two main units is of particular interest since substantial sulfide mineralization is present. Both pyrite and pyrrhotite are present, mostly as coarse segregations in brecciated quartz-calcite clots. From 94.7 to 95.2 m the sulfide mineralization is described as "massive" and "earthy". Also, just below the interval of sulfide mineralization, at 98.3 to 100.6 m, the argillite is weakly graphitic and faulted. There is no obvious relationship between the sulfide mineralization and the fault.

Note that the position of the strongest magnetic peak does not correlate well with the location of the sulfide mineralization. Instead, it appears that the sulfides and graphite have caused the VLF response and subsidiary magnetic features on the north flank of the main peak (magnetic) anomaly.

The poor correlation between the main magnetic peak and the sulfide mineralization may be explained by the results of thin section studies and major element geochemistry. Although one sample, taken at 113 m, is clearly the same argillaceous greywacke that is predominant in BUR-08, the remaining samples have very high amphibole contents (up to 50%) and major element geochemistry more characteristic of tholeiitic basalt.

Textures observed in thin section are not typical of massive flow units, but show mineralogic banding at mm scale (which explains the metasedimentary interpretation given in the field). It is possible

that this indicates incipient migmatization, or that these are metatuffs or volcanic derived immature metasediments. In order to better understand the details of this drill hole, we should relog and more extensively sample it.

The rocks are generally fresh and unaltered (with the exception of the sulfide interval and graphitic fault) although minor calcite occurs, which decreases in abundance with depth.

Pyrite and pyrrhotite occur everywhere throughout the hole in minor quantities. Occasional thin intervals of quartz-calcite veining with coarse pyrite and/or pyrrhotite resembling the sulfide interval occur elsewhere in the hole over short (say ≈20 cm) intervals. In general, though, sulfide content is <1%, and decreases with depth.

The principal sulfide interval was sampled, and two of these gave results of 0.2 g/t Au; a few samples were tested for Cu and Zn, the best values received were 0.058% Cu and 0.264% Zn.

3.3 Burntbush Grid Area

3.3.1 Section 350E

Drilling along this section was performed mainly to investigate the geology and structure of the metavolcanic terrane east of the Burntbush River. We interpret from airborne geophysics and from bedrock elevation contouring that a northwest trending fault approximately follows the riverbed. The results of this profile were therefore also intended to test continuity of the stratigraphy and deformation across the fault.

Magnetics contouring in this part of the property is of low amplitude, in contrast with the variable susceptibilities encountered to the west, so a test IP line was performed here to aid in positioning of the holes.

BUR-05 (see MAP 4)

BUR-05 is the southernmost hole on the profile, and was drilled into a broad zone of weakly anomalous IP response. Coincident with the IP anomaly, the magnetics data show a transition from uniform (low) susceptibility to gently

increasing values towards the south. The VLF data are flat, but overburden thickness is considerable (≈32 m in the nearest reverse circulation hole).

No outcrops occur in the immediate vicinity, but numerous exposures of metavolcanic rocks have been mapped in the southernmost part of the property. These are all greater than 0.5 km away from the collar location. One large outcrop occurs at about 0.5 km to the southwest, west of the Burntbush River (trench 3), and it deserves mention since it is located along a high magnetic trend which passes just south of the drill hole.

The outcrop consists of two main rock units: a mixed tuff unit is intruded by metagabbro. The tuffs include a dacitic lapilli tuff sub-unit and an iron-rich tholeiitic sub-unit characterized by abundant magnetite, garnet and hornblende. They are thinly interbedded and folded at cm scale. The beds are nearly horizontal and fold axes plunge gently to the east. We have interpreted that the outcrop may indicate the presence of a parasitic anticline located on the north flank of a major anticlinal axis somewhere further south. A few weakly anomalous gold values were obtained from grab samples here, the maximum value was 30 ppb.

Most of the reverse circulation bedrock chip samples from this area are interpreted as intermediate metavolcanics, but the nearest sample is a sheared felsic tuff (BOB-101), which assayed <2 ppb Au.

BUR-05 drill core can be subdivided into two main units. These are both mafic to intermediate metavolcanic units, but they are separated by a brittle fault zone at 206 to 238 m. The fault consists mostly of unconsolidated gouge and rock fragments locally cemented together with calcite. Associated with the fault, fracture related hematization extends into the adjacent units. Whereas foliations of the metavolcanics are generally near perpendicular to the core axis (eg 75 to 90° tca, suggesting north dips of about 45°), the main fracture trends in and adjacent to the fault are near parallel to the core axis. We have therefore intersected the fault at low angle, implying that the true thickness of the gouge zone may be less than ≈5 m.

The upper metavolcanic unit consists mostly of weakly foliated to massive rocks which fall in the calcalkaline basalt and andesite fields on a Jensen cation plot (see Appendix I). Variable amounts of amphibole poikiloblasts and/or biotite flakes are set in a very fine grained groundmass of recrystallized feldspar and quartz. Microscopic textures are indicative of shearing of moderate to strong intensity, which was not apparent at mesoscopic scale.

Within this upper unit, there are several 2 to 7 m sections with abundant (10 to 20%) garnet poikiloblasts. These intervals are characterized by high total iron and MnO contents and plot as tholeiites.

Below the fault, the metavolcanics are slightly more felsic, plotting in the calcalkaline andesite and dacite fields. Biotite is generally abundant, and amphibole occurs only locally over short intervals. The feldspar-quartz groundmass is very fine grained and completely recrystallized, and shearing is judged to be of moderate intensity.

The most extensive alteration in the drill hole is an elevated calcite abundance, mostly in the form of tiny dispersed grains and as fracture fillings. It is difficult to evaluate the significance of this calcite since it is also present as a late cement in the brittle fault. A one meter strongly sericitized band located at about 8 m below the fault gave the highest CO_2 value ($\simeq$7%). Chloritization is locally strong, but is not widespread. Finally, it should be added that the first 15 m of bedrock drilled was strongly fractured.

Sulfide content of the rocks is generally low. Minor disseminated pyrite generally accounts for <0.5% of the rock. In a 2.2 m band of altered, sheared felsic quartz eye tuff near the top of the hole, pyrite content may reach 1%. In the last 15 m drilled, pyrite abundance seems to have been increasing (up to $\simeq$0.5%), where it was associated with occasional thin quartz veinlets. Pyrite content in the core seems insufficient to explain the IP data.

Most sampling for gold analysis was concentrated in and adjacent to the main brittle fault. A few weakly anomalous values were received immediately above (12, 40 ppb), within (10, 20 ppb), and below (15 ppb) this zone.

The best analytical value of 643 ppb Au was taken in the last 50 cm of core drilled (277.5 to 278.0 m). This result surprised us, as the core seemed fresh and unaltered. The closest sample taken is only 3.5 m uphole and gave <2 ppb; a weakly anomalous value of 10 ppb Au was received at 262.5 to 263.0 m. The pulp of the strongly anomalous sample was retested and gave 540 ppb. Further confirmation of this result is required, and it is suggested that the retained split core be sent for analysis, and that the last 10 to 20 m of the drill hole also be fully sampled.

Other weakly anomalous results received include values of 10 ppb and 37 ppb from weakly sheared garnet-rich tholeiites, and a 33 ppb result from the thin, strongly sheared felsic quartz eye tuff (near the top of the hole).

BUR-06 (see MAP 4)

BUR-06 was drilled into a much better defined IP anomaly than was BUR-05. The magnetics profile is relatively flat; the VLF profile shows a very subtle in-phase inflection coincident with the IP response.

The outcrops described previously (see BUR-05 introduction) are the only exposures close to BUR-06. Nearby reverse circulation bedrock chip samples are mostly of mafic to intermediate metavolcanic rocks; the closest sample (BOB-103) gave a gold value of 7 ppb.

In BUR-06, the predominant rock type encountered is a mafic to intermediate metavolcanic which strongly resembles those drilled in BUR-05. However, this hole is much less monotonous, since intercalations of several different units occur:

- two thin (≈5 m) sections of quartz eye tuff are present near the top of the hole;
- two thin (≈10 m) sections of feldspar porphyry are described;
- a 20 m thick crenulated schist unit occurs at 120 to 140 m;
- a 7 m thick aphanitic rhyolite occurs just below the crenulated schist unit.

Additionally, a few garnet-rich intervals, equivalent to those described in BUR-05 are present, and a brittle fault occurs at 183.5 to 195.7 m. Foliations are relatively uniform at 60 to 80° tca at the top and bottom of the hole, which we interpret to indicate north dips of 55 to 75°. In the interval 90 to 170 m though, local variations suggest less uniform dips and evidence of minor meter-scale folds.

The principal mafic to intermediate calcalkaline metavolcanic unit differs from those described in BUR-05 in that the amphibole porphyroblasts are smaller, and recrystallization of the feldspar-quartz groundmass is less advanced; relict plagioclase phenocrysts are only partially recrystallized. These rocks are only very weakly sheared.

Brief descriptions of the minor rock units are given below:

- the quartz-eye tuff plots as a calcalkaline dacite and contains ≈10% quartz phenocrysts set in a fine grained groundmass of recrystallized feldspar and quartz. The quartz eyes are weakly strained and exhibit pressure shadows. The only ferromagnesian mineral is biotite;

- the feldspar porphyry plots as a calcalkaline andesite and contains abundant sericitized plagioclase phenocrysts, along with minor coarse amphibole, set in a fine grained groundmass of recrystallized feldspar and quartz. Minor biotite flakes are present;

- the crenulated schist unit is composed mainly of very fine grained recrystallized quartz and feldspar and with abundant coarse muscovite flakes which bend around relict plagioclase phenocrysts. In thin section, it is difficult to see a well defined, continuous crenulation cleavage, the mica flakes appear to be wrapped around phenocrysts, some of which are completely recrystallized. This rock plots in the calcalkaline dacite field;

- the aphanitic rhyolite also plots in the calcalkaline field, and is composed mainly of very fine grained quartz and feldspar. Minor quartz eyes and relict plagioclase phenocrysts are preserved. The ferromagnesian minerals have altered to chlorite, and muscovite flakes are abundant (note: the high Na_2O analysis may indicate that the muscovite is in fact paragonite).

Shearing in hole BUR-06 is strongest in and adjacent to the crenulated schist unit. Elsewhere it is of weak intensity, but the degree of recrystallization suggests that minor widespread structural deformation is present.

The brittle fault zone consists mostly of unconsolidated gouge, and associated fracture orientations are again near parallel to the core axis. There is no apparent mineral alteration directly related to the fault.

Alterations include the widespread presence of minor sericite but this may be related to the greater abundance of felsic rocks relative to BUR-05. It is not clear whether the paragonite (?) seen in the aphanitic rhyolite is due to alteration or whether the original rock was sodium-rich. Chlorite is abundant in the crenulated schist, but in most other samples appears to be retrograde (see below). Calcite is never abundant (eg <5%) and is commonly not present. The first 25 m of core is strongly fractured.

Of interest is the occurrence of coarse chloritoid flakes and prismatic crystals in the metavolcanics below the brittle fault. These samples are strongly chloritized (no biotite or amphibole remains) and also strongly sericitized. One thin section showed about 3% tiny euhedral elongate tourmaline crystals. This part of the hole is strongly altered, and although the rocks plot as tholeiitic dacite to rhyolite, this does not reflect a primary bulk composition.

Sulfide content of the rocks is generally low. Pyrite concentrations of up to about 1% are present in the crenulated schist and aphanitic rhyolite units. The pyrite is extremely fine grained in these units and uniformly disseminated. Although the concentration is estimated to be relatively low, the number of individual sulfide grains is quite high. It is not improbable that these units are the cause of the IP anomaly.

But, this mineralization does not account for the VLF anomaly which alternatively, might be due to the brittle fault zone. If this is true, the fault might dip south and strike east-west (VLF profiles on adjacent lines to the east show a similar VLF response).

Continuous sampling for gold analysis was carried out in three separate parts of BUR-06: in fractured rock close to the bedrock surface, in the area of the crenulated schist and aphanitic rhyolite units and in and adjacent to the brittle fault. Punctual samples were taken elsewhere.

Near the top of the hole, in and adjacent to the uppermost quartz eye tuff unit, weakly anomalous values of 35, 21 and 10 ppb Au were received. Very local pyrite concentrations of up to 5% occur in this area. Further up, one result of 0.3 g/t (over 0.5 m) was also received, but the sample is bounded on either side by low gold values of 5 ppb or less.

Most samples taken in the crenulated schist and aphanitic rhyolite give background values; one sample shows 15 ppb. Just above these units, in altered feldspar porphyry, two samples gave 30 and 25 ppb Au.

Similarly, sampling in the vicinity of the brittle fault shows low gold values; one sample gave 10 ppb Au.

Deeper in the hole, a punctual sample of chloritoid-bearing rock gave 0.2 g/t Au. It is recommended that this part of the hole be further sampled, and a careful relogging of this part of the hole with particular emphasis on chloritoid abundance should also be done.

BUR-07 (see MAP 5)

The strongest IP response detected on section 350E was tested with BUR-07. The magnetics and VLF profiles are flat.

There is no outcrop near this drill hole. Reverse circulation bedrock chips to the south and west are predominantly mafic metavolcanics, but at 400 to 500 m away, to the north and east, biotite schists characteristic of the vast northern metasedimentary terrane are encountered.

The drill hole intersected a thick, well foliated and relatively uniform rock type over most of its length. In the field, there was disagreement as to whether this unit was metasediment or metatuff, and whether the sub-unit at 206.4 to 218.9 m contained pebbles or lapilli. The monotony of the drill hole is interrupted only by thin intervals of: a very fine grained graphitic unit (79.8 to 86.5 m), and a felsic tuff (at 91.8 to 108.6 m). Foliation measures in the first 45 m of core generally range from 60 to 70° tca, suggesting dips of 65 to 75° north. Below 90 m, foliations range from 70 to 85° tca, suggesting slightly gentler north dips of 55 to 70°.

The main rock type drilled is now interpreted to be a calcalkaline mafic to intermediate metavolcanic unit. Amphibole poikiloblasts and/or biotite flakes are set in a fine to medium grained feldspar-quartz groundmass. The foliation is generally defined by alternating ferromagnesian rich and poor domains at mm scale. Most thin sections appear to be only weakly deformed.

The graphitic unit is faulted and sheared and is composed mostly of very fine grained quartz and feldspar. Euhedral garnets are undeformed but inclusions within the poikiloblasts are well aligned. Presence of amphibole suggests the rock is tuffaceous.

The felsic tuff is conspicuously lacking in ferromagnesian minerals; chlorite and corroded garnet are present. Abundant relict sericitized plagioclase phenocrysts and lesser quartz eyes are set in a variably recrystallized quartz-feldspar groundmass. Samples taken from this unit plot as tholeiitic rhyolites.

Alterations are generally weak and are not widespread. Abundant dispersed calcite is present near the top of the hole, but elsewhere it was not present, or occurred as veinlets. Sericite alteration was evident in the felsic tuff, but is moderate to very weak in the more mafic rocks. Retrograde chloritization of biotite and/or amphibole is generally present, and is locally strong. The first 20 m of core is strongly fractured.

Pyrite occurs sporadically, but not uncommonly accounts for about 1% of the rock. The highest pyrite contents (≈3%) were recorded in and adjacent to the graphitic tuff. This unit accounts for the strong IP response.

Sampling for gold analysis was not extensive due to the fresh, uniform appearance of the main rock type. Two samples taken near the bedrock surface gave 0.2 g/t Au. Other weakly anomalous results include a value of 17 ppb in felsic tuff, 14 ppb in the metavolcanic unit, and values of 13 and 21 ppb in the lapilli tuff sub-unit.

3.3.2 Section 900W

Four holes were drilled along this section located west of the Burntbush River primarily to ascertain whether or not the contrasting magnetics were due to structural features or due to normal (stratigraphic) rock unit boundaries. A test IP line was done along the camp's access road (which closely follows this section) and these results were used to aid in drill positioning.

BUR-01 (see MAP 6)

BUR-01 is the southernmost hole of this profile and is located near the southern border of the property. This hole, along with hole BUR-03 (to the north), was drilled to test the contact zone between low, uniform magnetics to the north, and high, variable magnetics to the south. BUR-01 was positioned to intersect an IP conductor coinciding with a well defined, but relatively weak VLF in-phase crossover with parallel quadrature response.

Nearby outcrops include trench 3, located at about 700 metres due east (see section 3.3.1), and a small outcrop of intermediate metavolcanic rock at 300 m to the west. This small outcrop is structurally similar to the layered rocks at trench 3 in that cm-scale open folds plunging gently to the east are abundant and the beds are near horizontal. Calcite alteration here is quite strong; the only sample taken gave 5 ppb Au.

Reverse circulation holes in this area are all classed as intermediate metavolcanics. Gold values range from <2 ppb to 7 ppb for most samples, but one sample, from BOB-158, which contains abundant free quartz and coarse pyrite (associated with the quartz but occurring also in the wall rock) gave 323 ppb Au. A second analysis gave 265 ppb. (Note that a result of 363 ppb was incorrectly reported in COGEMA Ref. No. 88-CND-47-01).

The hole is subdivided into two main units which alternate downhole. Mafic to intermediate flows (similar to those described in BUR-05 and BUR-06) predominate, and 5 m to 45 m thick intervals of lapilli tuff occur. Foliations range generally from 50 to 80° tca, but there is a gradual trend towards greater angles with depth. The units probably dip north at 60 to 80°.

The flow rocks are composed of poikiloblastic amphibole and lesser garnet set in a very fine grained recrystallized feldspar-quartz groundmass. Relict plagioclase phenocrysts are common and only weakly recrystallized. The only "fresh" sample analyzed (it shows, in fact, moderate chlorite and calcite alteration) plots as a calcalkaline basalt on the Jensen diagram.

The flow rocks become moderately magnetic with depth, and the increase in magnetite content may indicate that a mafic tholeiitic unit can be mapped using the magnetics contouring. This should be tested with additional sampling and analyses.

The lapilli tuff unit is characterized by rounded, elongate very fine grained felsic (to intermediate ?) clasts with mafic matrix identical to the flow unit. Contacts between this unit and the flow rocks are abrupt, and may be marked by late brittle fracture zones of limited depth extent.

Alteration of the mafic rocks includes extensive generally strong, pervasive calcite as interstitial dispersed grains and microfractures. Moderate chloritization of the amphiboles is also fairly extensive, but strongest in the first 100 m. At one of the brecciated contacts (between flow and lapilli tuff), sericitization was noted in addition to extreme calcite alteration.

Pyrite is the main sulfide mineral noted, and is everywhere present in minor amounts. In lapilli tuffs at 30-38 m, pyrite is more abundant (up to 5%) and this probably explains the IP response. The pyrite in this interval appears to be related to a small fracture/fault zone and is interpreted to be a mineralization rather than a primary feature. A second pyritic zone in the flow rocks at 156-166 m (up to 3%) was also seen. The VLF response may be related to the upper pyritic zone, or the fractured rock adjacent to it.

The two pyritic zones were sampled and most samples were sent to the Mine Yvan Vezina lab for analysis. In the upper interval (30-38 m), three values of 0.2 g/t were received and weakly pyritic hangingwall rocks gave weakly anomalous results up to 45 ppb Au (from Chimitec). The lower interval (156-166 m) also gave interesting gold values (up to 0.3 g/t). Both of these intervals should be resampled and sent for geochemistry analyses.

BUR-03 (see MAP 6)

BUR-03 was collared 165 m north of BUR-01 and was drilled to test whether or not the fracture zone at 30-38 m in BUR-01 was part of a larger structure. The magnetic profile shows low magnetics to the north, and higher magnetics (resembling the profile at BUR-01) to the south. VLF data are not flat, but no bedrock anomaly is interpreted.

Nearby outcrops and reverse circulation holes are as described for BUR-01.

The drill hole cut a monotonous mafic to intermediate metavolcanic flow rock, the same unit as has been described in previous holes. We recognize, however, two sub-units, one porphyroblastic unit (amphibole ± garnet) and one fine-grained "massive" unit. Foliations are mostly in the 50 to 65° tca range, suggesting subvertical north-dipping units.

The porphyroblastic sub-unit most strongly resembles that described in BUR-06 in that relict feldspar phenocrysts have been well preserved. One such sample falls in the calcalkaline andesite field on a Jensen plot, but local thin intervals rich in garnet (eg 25% at 54-58 m) suggest minor tholeiitic flows are present.

We interpret the fine grained "massive" sub-unit to be the strongly sheared equivalent of the porphyroblastic rock. Microscopic textures are clearly indicative of this and include: discrete grain size variations of the recrystallized feldspar-quartz groundmass, near total destruction of amphiboles replaced by newly crystallized flaky to fibrous chlorite, and the presence of two subparallel foliations which may occur together, or which may truncate one another. The drill log also indicates that minor faulting/brecciation is commonly observed in the "massive" sub-unit.

In addition to the chloritization, we observe local pervasive calcite alteration and local minor sericitization. Sericite generally occurs in fractured zones.

Sulfide content of these rocks is quite low, but, pyrite was more commonly observed in the "massive" sub-unit.

Only a few "punctual" samples were taken in this hole. One sample gave 0.2 g/t but this is not considered to be of particular interest.

BUR-04 (see MAP 7)

BUR-04 is located 400 m north of BUR-03. It was drilled to investigate a strong magnetic-electromagnetic trend, and the southern contact of this trend.

There are no outcrops in this part of the property. Reverse circulation holes to the east gave weak Au values of 6 and 12 ppb in intermediate metavolcanics, to the southwest, Au values <5 ppb were received in a felsic metavolcanic.

The drill hole is subdivided into four units:

* from 7.3-74.1 m: very fine grained tholeiitic dacite with abundant sulfides (pyrite >> pyrrhotite, up to 10% over significant lengths), may be thinly laminated or flow banded, i.e. probably a mixture of flows and tuffs, local minor amphibole and/or garnet poikiloblasts;

* from 74.1-124.9 m: stretched feldspar porphyry, strongly sericitized elongate feldspars set in a very fine grained feldspar-quartz groundmass, falls in tholeiitic rhyolite field on Jensen plot;

* from 124.99-200 m: mafic to intermediate porphyroblastic flow rocks similar to the main rock types described in BUR-01, BUR-03, except that here they plot in the tholeiitic andesite field on the Jensen diagram;

* from 178.0-193.5 m: 15 m unit within the flows, above, of thinly bedded mixed mafic and felsic tuffs (or stretched lapilli tuff), strongly reminiscent of the layered rocks at trench 3 (see section 3.3.1).

Contacts between the units are abrupt, and strongly fractured. The first 25 m of sulfidic rock is also strongly fractured. The felsic porphyry is sheared, as are the adjacent units within about 5 m of the upper and lower contacts. Foliations are somewhat variable, ranging from 60 to 85° tca, suggesting north dips of about 50 to 75°.

Extensive moderate calcite and sericite alteration is observed in the sheared rocks, and a weak to moderate chloritization is observed in all units.

Sulfide content of this hole is quite spectacular in the uppermost dacitic unit, but pyrite is also quite abundant (average about 3%) in the first 20 m of the feldspar porphyry unit. Deeper in the drill hole, pyrite is common but rarely attains 1%.

BUR-04 was sampled continuously from the bedrock surface to 131 m, this includes the sulfidic dacite unit, the sheared feldspar porphyry and the sheared part of the mafic to intermediate flow unit. Most samples give trace (Mine Yvan Vezina results) or very low (eg <10 ppb) gold values. But, from 14-28 m, 5 of 12 samples gave results ranging from 24 to 60 ppb Au and two isolated samples in the feldspar porphyry gave 20 and 25 ppb Au.

Sampling below 131 m was punctual, but three relatively fresh-looking samples taken in the flow rocks gave 0.2 g/t Au.

BUR-10 (see MAP 7)

BUR-10 was collared at 425 m north of BUR-04, and is the northernmost hole of section 900W. The hole was drilled to test magnetic contacts suggestive of an east-west structure, and an east-northeast trending stratigraphic and/or structural contact. In profile, the east-west feature appears as a trough between two magnetic peaks, with an associated VLF in-phase inflection, the east-northeast feature coincides with the southern limit of the southern magnetic peak. In this area, the IP test line (camp road) has veered northeast towards the river, and the data suggest anomalous conductivity "off-line".

There is no outcrop near here; reverse circulation drilling in nearby holes indicated intermediate metavolcanic bedrock. The nearest hole gave 6 ppb Au, results at 400 m to the east and west gave 8 and 11 ppb Au, respectively. Note that these three reverse circulation holes fall on section E-E', which consistently gave weakly anomalous gold values.

In this hole, we drilled a non-uniform sequence of mixed tuffaceous rocks, along with a 40 m thick blue quartz porphyritic unit. In general, the tuffs are more felsic uphole, more mafic downhole. Foliations in the upper part of the hole range mostly from 50 to 80° tca, but are characterized commonly by 30° changes over short intervals.

Thereafter, foliations are more uniform, gradually changing from 60 to 70° tca (in the quartz porphyry) to 65 to 80° tca in the last 100 m drilled. This suggests that folding is common, but that with depth, units more consistently dip to the north at 60 to 80°.

In the interval 16.2-91.4 m (above the blue quartz porphyry), the rocks are mostly composed of fine grained biotite, feldspar and quartz with local intervals showing quartz eyes and/or altered feldspar phenocrysts. They are thinly laminated and weakly to moderately well sheared. Most samples analyzed for major elements fall in the calcalkaline dacite to rhyolite fields on the Jensen plot. One sample which plots as a calcalkaline basalt in fact carries 60% SiO_2 and is very strongly altered; another plots as a tholeiitic dacite: probably this is due to a local concentration of pyrrhotite.

The quartz porphyry could probably be included with the mixed tuffs of felsic tendency described above, but it does represent a uniform 40 m thick unit. It is moderately sheared.

In the interval 130.4-244 m, most thin sections show poikiloblastic amphibole, thus the tendency towards more mafic (calcalkaline basalt to andesite) compositions. The one sample which gives a tholeiitic chemistry trend contains significant garnet poikiloblasts and has an MnO analytical result of 0.46%, and was taken from a distinct 3 m thick unit. These more mafic rocks are generally only very weakly sheared.

This hole is mostly strongly altered, particularly in the more felsic rock types where calcite and sericite are abundant. Chlorite and epidote are also commonly observed along with very minor tourmaline and possibly also fuchsite. The mafic rocks are strongly altered in the same manner but slightly less so.

Pyrite is the main sulfide mineral, but pyrrhotite is commonly present in minor quantities. Sulfide abundance consistently approaches 0.5 to 1% in the more felsic rocks (i.e. down to about 130 m), and thereafter it decreases quite dramatically. At 87-90 m, pyrite content attains 10% over short intervals, and these local concentrations are coincident with sections where the foliations parallel the core axis.

We sampled this hole continuously in the first 50 m and in shorter sections (eg up to 15 m) in various other intervals, as well as punctually throughout. In the short section of abundant pyrite at 87.2-88.2 m, two adjacent samples gave 300 and 75 ppb Au. At 23.0-30.5 m a weakly anomalous zone (eg 10 to 25 ppb Au in 6 samples and 95 ppb Au in a seventh) occurs and just below this at 43.5-45.5, two adjacent samples gave 64 and 50 ppb Au.

3.3.3 Section 2000W

In effect, this section can be considered the northern extension of section 900W, since the magnetic contours suggest an east-northeast striking stratigraphy in these areas. Drill hole positions were chosen based on magnetics and/or geologic interpretations; no induced polarization was performed here.

BUR-09 (see MAP 8)

BUR-09 is the southernmost hole on this profile and was drilled across a strong magnetic anomaly. Magnetics contouring suggests that we may have drilled the north limb of a fold whose axial trace trends east-northeast. But, we also interpreted a possible east-west structure extending from this hole directly towards hole BUR-10.

No outcrops occur in this area; reverse circulation holes nearby include one hole at ≈150 m to the west in an area of low magnetics, and one hole at ≈250 m to the east in an area of high magnetics. The former drilled into an intermediate metavolcanic which gave 14 ppb Au, the latter was a felsic metavolcanic which gave 8 ppb Au.

The drill hole is subdivided into two main units. In the upper part of the hole (from 20.9-130.8 m), quartz ± feldspar crystal tuffs were intersected. In the lower part (130.8-257.0 m), biotite rich tuffs with abundant felsic lapilli occur, along with a relatively coarse grained, massive feldspar porphyry unit which we interpret to be a late felsic dyke. Foliations in the first 75 m are generally 45 to 55° tca, suggesting vertical orientations. Thereafter, foliations are generally 60 to 75° tca, suggesting north dips of 65 to 80°.

The upper crystal tuff unit is composed of feldspar phenocrysts and quartz eyes up to several mm in size set in a very fine to fine grained recrystallized quartz-feldspar groundmass with minor biotite flakes. Locally, the quartz eyes become slightly stretched and partially recrystallized, and in these intervals the feldspar phenocrysts are also partially to completely recrystallized and may be totally lost in the groundmass. Thus, this unit can be subdivided into two sub-units, one of which is the sheared equivalent of the other. Most of these samples fall in the calcalkaline dacite field on a Jensen cation plot; one sample plots in the tholeiitic field but this sample carries significant pyrite.

The lapilli tuff in the lower part of the hole is composed of felsic, weakly porphyritic, rounded, locally elongate lapilli (fragments reach a maximum of about 20 cm) set in a fine grained groundmass of feldspar-quartz-biotite which is also weakly porphyritic. Two samples from this unit also plot as calcalkaline dacites.

Within the lapilli tuff unit, we observed two intervals of feldspar porphyry which we interpret to be dyke material. However, the contacts are concordant so they may alternatively be sills, flows or tuffs. The feldspar phenocrysts are pinkish and are generally about 1 cm in size, and the groundmass is massive to only weakly foliated, thus this unit is clearly distinct from the thinly laminated tuffs in the upper part of the hole. One sample analyzed for major elements plots as a calcalkaline rhyolite.

Alterations in the rock units are generally weak, most evident is the abundance of calcite in all rock types except the sheared tuffs in the upper part of the hole. Sericite/muscovite is also relatively common, but in quantities which are not unusual for felsic rocks.

Sulfide content of the drill hole is somewhat anomalous. The crystal tuffs generally contain 1 to 3% disseminated pyrite, and from 54 to 85 m, pyrite content is estimated at 5%. The lapilli tuffs also have a pyrite content of 1 to 3%, but no pyrite was observed in the feldspar porphyry dykes. The strong magnetic peak does not obviously correlate with any particular rock unit or mineralization, and seems to reflect an increased magnetite content recorded in the lapilli tuffs at 140 to 185 m.

Sampling for gold analysis is quite extensive in the upper laminated tuffs, whereas mostly punctual sampling was performed in the lapilli tuffs and feldspar porphyry dykes. A number of samples gave weakly anomalous gold values, the most significant being the interval 131.5 to 137.5 m (the top of the lapilli tuff where it is in contact with sheared crystal tuffs) where three of five samples gave 95, 70 and 55 ppb Au.

BUR-13 (see MAP 8)

BUR-13 was drilled into a low magnetic area in the north part of the "high magnetic terrane" to investigate the geology, and to test for the presence of a northwest trending fault interpreted from regional airborne magnetics. The VLF is flat.

Again, no outcrop is exposed near here; reverse circulation drilling results show mafic to intermediate metavolcanic bedrock. Hole BOB-58, at ≈200 m to the southwest, gave 31 ppb Au.

We intersected a monotonous sequence of mafic to intermediate calcalkaline metavolcanics. Foliations range from 55 to 75° tca, suggesting north dips of about 60 to 80°.

These are composed of amphibole poikiloblasts and occasional relict plagioclase phenocrysts set in a fine grained, weakly recrystallized feldspar-quartz groundmass. Very minor, thin dykes of similar composition were also observed.

Alterations are weak and mostly restricted to sericitization of the relict plagioclase. The first 25 m of core is very strongly fractured, but it is difficult to conjecture whether or not this is a manifestation of a regional structure.

Sulfide content is low, but up to 5% pyrite was observed very locally.

Sampling for gold was very punctual due to the fresh, unaltered appearance of the core. One sample gave 260 ppb Au; it was taken adjacent to a pyritic interval and justifies some additional sampling in this hole. (A reanalysis of the pulp gave 290 ppb).

BUR-11 (see MAP 9)

BUR-11 was drilled at 300 m east of an outcrop of strongly sheared metagabbro (trench 2), which we interpret to lie approximately along the contact between the vast metasedimentary terrane to the north, and the metavolcanic terrane which lies to the south. Whereas the outcrops show a strong magnetic signature, the area drilled shows low, uniform magnetics. The purpose of this hole, then, was to investigate this deformation zone outside the intrusive body.

Other, undeformed metagabbro exposures occur to the northwest of trench 2, thus limiting the width of the shear zone to the north, but no other similar outcrops occur south of it. Much sampling was done in these gabbros, and a small percentage of the samples gave anomalous gold values up to 110 ppb, commonly related to local silicification.

Reverse circulation holes to south intersected mostly mafic metavolcanic rocks, but these are several hundred metres away. Perhaps of significance was the discovery of irregular gold grains in the basal till of BOB-94, although drilling at 200 m further north yielded no anomaly.

Most of the hole intersected sheared metagabbro. The magnetic expression of the outcrops may therefore be largely due to their proximity to surface (although overburden depth here is only 14 m). Schistosity is generally at 55 to 75° tca and shows truncations and minor folding. The hole ended in a weakly foliated to massive felsic intrusive.

Sheared metagabbro strongly resembles surface samples described in earlier reports: amphibole and feldspar are the chief constituents, and the well developed schistosity is mostly due to grain size variations and thin shear planes. In drill core though, we observe more biotite than we reported from the surface samples. Significant widths of barren white quartz vein are reported at 71 to 78 m.

The weakly deformed felsic rock is composed mainly of plagioclase phenocrysts. These are set in a weakly to moderately sheared quartz-feldspar groundmass which clearly comprises only about 20 to 30% of the rock. Garnet porphyroblasts are not uncommon.

Although the metagabbro is strongly deformed, it is only weakly altered.

Sulfide content is low, but short intervals of core may contain up to 5% coarse pyrite and/or pyrrhotite.

This hole was sampled continuously from 19.3 to 161 m (and punctually thereafter), but most results are low. Isolated weak anomalous values, eg 20-80 ppb Au are common, but are mostly bounded by adjacent background samples. One result of 480 ppb Au was received from a sample of sheared metagabbro right at the contact with the felsic rock. It too, is bounded by adjacent samples which give low values.

3.4 Spade Lake Area

One hole was drilled along section 5900W (BUR-12, see MAP 10) to investigate a magnetic boundary with a corresponding VLF response best described as a transition between low quadrature readings (to the south) and high quadrature readings (to the north).

No outcrop was found in this part of the property. But, at ≈800 m south of our claim boundary, Newmont has trenched to bedrock and exposed mostly felsic to intermediate crystal tuffs. There are very weakly sheared to strongly sheared; intensity of shearing in the trenches is stronger to the north. Subsequent drilling by Newmont intersected the following lithologies from north to south: a pink sodic granite, intermediate tuffs, a tholeiitic basalt, more tuffs, argillites. Shearing is described only in the southern tuffs, and erratic economic gold values were obtained over narrow widths, mostly in quartz-pyrite veins. Anomalous gold values are widespread (see COGEMA Ref. No. 87-CND-47-04).

Reverse circulation holes in this area intersected mainly a red coloured "felsic crystal tuff" which we later re-interpreted as the sheared equivalent of the pink sodic granite described by Newmont. Some holes intersected felsic to intermediate metavolcanic rocks as well, and overall, most holes gave weakly anomalous gold values ranging up to 28 ppb. Thus, the drill hole was positioned not solely on the basis of geophysical results.

BUR-12 intersected the reddish sodic granite over most of its length. We have chosen to call it a granodiorite porphyry. In the first 100 m, it is strongly sheared and fractured, and less extensive

sheared intervals also occur deeper in the hole. The shear fabric (foliation) is mostly oriented at 75 to 85° tca, indicating northerly dips of 50 to 60°. Near the end of the hole, we drilled two intervals of a felsic quartz eye tuff (xenoliths ?).

The "fresh" granodiorite porphyry is composed of weakly sericitized plagioclase phenocrysts and lesser quartz eyes up to about 1 cm large, set in a sheared groundmass of recrystallized quartz and feldspar, along with some biotite, sericite, calcite, chlorite and opaques. Although the core appeared massive, the groundmass is incredibly well oriented in thin section, wrapping around and between the abundant phenocrysts.

The felsic crystal tuffs are similarly weakly sheared, but few phenocrysts are present, mostly of quartz.

The major sheared interval (eg from 40 to 100 m), shows typical development of mylonite. In most cases, the rock cannot safely be identified as the sheared equivalent of the porphyry, it is very fine grained, may be grey or pink, and is strongly fractured (and oxidation related to the fracturing has stained much of the rock to a dirty yellowish colour). However, locally, where the rock is pink, even though it is well foliated and fine grained it closely resembles thinner, less intensely sheared intervals deeper in the hole.

Alterations in the main sheared interval are strong and include abundant chlorite, sericite, calcite and the development of uncommon minerals, one of which has been tentatively identified as vivianite. Alterations are weaker in the "fresh" granodiorite porphyry and the crystal tuff units.

Sulfide mineralization in the shear includes disseminations of fine grained pyrite up to about 10% of the rock over short intervals, and as coarser pyrite grains in thin quartz $\pm$ tourmaline veins. We also observed trace amounts of chalcopyrite and galena. Fine grained disseminations of arsenopyrite may be present; we have requested As analyses to confirm this, but results have not yet been received.

Gold values in the main shear are clearly at anomalous levels. These are summarized in Table 2.

Table 2 : SUMMARY OF GOLD RESULTS - BUR-12
(41.0 - 107.0 m)

Depth (m)	Weighted Average (Au ppb)	Range (Au ppb)	# samples	Recovery (%)
41.0- 45.5	<5		3	100
45.5- 56.0	44	20- 65	5	75
56.0- 65.0	282	130-550	4	55
65.0- 68.0	35		1	40
68.0- 77.0	187	160-230	3	60
77.0- 84.5	7	<5- 20	5	90
84.5- 86.0	150		1	90
86.0- 89.0	30		1	80
89.0- 95.0	308	135-480	2	70
95.0-107.0	12	<5- 45	8	98

4. DISCUSSION OF RESULTS

4.1 Blue Lake Area

The main rock type of the "northern low magnetic terrane" is confirmed to be (argillaceous) greywacke. These have been metamorphosed to amphibolite facies, so that the term quartz-feldspar-biotite ± garnet schist better describes the rock.

Linear high magnetic trends within the metasediments are due to rocks of mafic metavolcanic affinity, generally carrying >50% amphibole with abundant calcic plagioclase (andesine-labradorite).

We interpret the greywackes to be a thick sequence of turbidite sediments, within which occur minor thin, but laterally extensive tholeiitic mafic volcanic units.

Although we drilled only two holes in this part of the property, one zone of possible interest was intersected in hole BUR-02. In this hole, at ≈92 to 98 m, a thin interval of sulfide mineralization occurs adjacent to a weakly graphitic fault zone. Unfortunately, core analyses gave low results for Au, Cu and Zn.

Elsewhere, the rocks were fresh and unaltered, and Au geochemistry results show low background values.

4.2 Burntbush Grid Area

4.2.1 Rock Types

The most common single rock type drilled on the Burntbush grid is a mafic to intermediate weakly foliated metavolcanic containing poikoloblastic amphibole ± garnet set in a finer grained mostly recrystallized groundmass of plagioclase, biotite and quartz ± relict plagioclase phenocrysts. We interpret these to be basalt and andesite flows which have been metamorphosed to lower amphibolite facies. This is the predominant rock type in holes BUR-01, BUR-03, BUR-05, BUR-06 and BUR-13, and is a subsidiary rock type in BUR-04.

Most of these show calcalkaline chemistry, but a few samples rich in garnet (high FeO) are tholeiites, and we suspect that BUR-01, which has anomalous magnetite content, may also be largely tholeiitic.

Pyroclastic rocks of similar composition also occur. Lapilli tuffs in BUR-01 have a matrix which is identical to the above rock type, but ashfall tuffs in BUR-07 and the last 100 m of BUR-10 contain more abundant biotite, and therefore show a better defined foliation. BUR-07 also contains minor lapilli tuff, and crystal tuffs occur in BUR-10.

Truly felsic metavolcanic rocks were drilled in only three holes. The stretched feldspar porphyry from BUR-04 (74.1-124.9 m) and a silicic quartz eye tuff from BUR-07 (91.8-108.6 m) plot as tholeiitic rhyolites, while the aphanitic (porphyritic) rhyolite in BUR-06 (143.4-150.7 m) plots in the calcalkaline field.

The remaining, intermediate metavolcanic rocks are variable in appearance. These include pyritic dacite tuffs and flows from BUR-04 (7.3-74.1 m), ash tuffs from BUR-05 (238-278 m), various units in BUR-06 (including quartz eye tuffs, ash tuff, feldspar porphyry, crenulated schist; all are of limited depth extent), crystal and lapilli tuffs in BUR-09, and ash and crystal tuffs in the first 130 m of BUR-10. For mapping purposes, we distinguish an intermediate subdivision only when a distinctive unit has a substantial thickness; in all other cases, we include these intermediate rocks together with the mafic or felsic units with which they occur (see logging summaries, Appendix I).

The intermediate metavolcanics are predominantly calcalkaline; but, the pyritic dacites from BUR-04 plot as tholeiites.

Intrusive rocks were drilled in hole BUR-11. Sheared metagabbro was logged in the first 140 m of core, and a more felsic, weakly sheared intrusive occurs afterwards.

4.2.2 Structure and Deformation

We have interpreted many of the rocks drilled in the Burntbush grid area to be sheared. It should, however, be emphasized that nowhere does the intensity of this shearing approach that observed in the metagabbro drilled in hole BUR-11. The drill core is easily compared with the outcrops exposed to the west, and for this reason, no detailed discussion is presented.

In hole BUR-09, we interpreted from mesoscopic observations that parts of the feldspar-quartz porphyritic schist were sheared based on textural relations. These sheared intervals show a better schistosity, stretching of quartz-eyes and destruction of feldspar phenocrysts.

In hole BUR-04, we interpreted the stretched feldspar porphyry to be sheared, mainly due to the highly elongate feldspar phenocrysts. But, further support for this interpretation was found in the form of dislocation of garnet porphyroblasts in the mafic to intermediate rocks immediately adjacent to the unit.

Finally, we suggested that the crenulated schist unit of BUR-06 was sheared, but we recognize that micaceous rocks need not be sheared to display a strong crenulation fabric.

Our field descriptions contain occasional references to shearing elsewhere, but we now interpret shearing to be more widespread than previously thought. This is due to microscopic examination of the mafic to intermediate amphibole schists which display the following:

- the groundmass in which amphibole $\pm$ garnet occurs is strongly recrystallized. Plagioclase and quartz are so fine grained that they cannot be distinguished in thin section. Furthermore, grain size variations within this groundmass, along with oriented biotite flakes, show the presence of two subparallel foliations which may occur together, and which also commonly truncate each other.

- samples in which these textures are poorly developed show relict plagioclase phenocrysts and a gradation between these and more strongly sheared examples can be described. As intensity of shearing increases, plagioclase phenocrysts become more strongly recrystallized, to the point where none remain. The more strongly deformed samples show stretched and dislocated amphiboles and/or garnets, and finally, amphibole may be completely destroyed and replaced by chlorite flakes. The strongest shearing is exhibited by the "massive" intervals in BUR-03. Note that the field log for BUR-03 shows a good correlation between minor faults and "massive" texture, and that this hole (along with the stretched quartz crystal tuffs in BUR-09) also shows more vertical dipping units, relative to the others.

Widespread shearing in this area might also explain why all of the clasts in the lapilli tuffs are so well rounded, flattened and elongate. Alternatively, these may be epiclastic deposits.

Using such widely spaced drill holes, combined with the paucity of outcrop exposure, it is difficult to map where deformation is most intense, or to speculate on the orientation of the strongest "shears". However, it is our interpretation that local areas within the grid are very strongly sheared, and that others are more or less completely undeformed, and that the remainder shows weak to moderate shear fabric.

In addition to shearing, we observed two brittle faults of possible regional significance. The fault in hole BUR-06 may trend east-west and dip south (based on fracture orientations and a weak VLF response). Orientation of the fault in hole BUR-05 is more speculative; we suggest that it may trend northwest and be part of a larger fault system which approximately follows the Burntbush River in this area (based on fracture orientations, regional magnetics interpretation, and the observation that the VLF response interpreted to correlate with the fault in BUR-06 continues east of the line, but disappears west of the line).

4.2.3 Magnetics as a Mapping Tool

Before beginning this drilling program, we postulated that the boundary zones between high and low magnetic trends within the "southern high magnetic terrane" represented stratigraphic and/or structural boundaries between different rock units. The results of our drilling support this interpretation, but detailed mapping using the available drill holes and the magnetics map is not possible.

For example, drill holes which intersected predominantly mafic to intermediate calcalkaline metavolcanics (flows and tuffs taken together, BUR-03, 05, 06, 07, 13) all fall in areas of low magnetics. Hole BUR-01 may be the only exception, since magnetics contouring shows an east-northeast trending zone of moderately high values. But, we suspect that additional sampling will show that magnetite content in this hole will substantially increase the iron content relative to the others, and that this represents a tholeiitic unit.

But, within these holes, different units of limited depth extent occur which have no apparent magnetic signature (for example, thin (≈3m) tholeiitic basalt flows, or a 30 m unit in BUR-06 containing crenulated schist and aphanitic

rhyolite). Note that a change from mafic to intermediate flows, to intermediate tuffs in BUR-05 appears to correlate with a transition to higher magnetics.

Hole BUR-11, which drilled sheared metagabbro and a felsic intrusive is also located in low magnetics. Previously, we had interpreted that circular high magnetic anomalies located to the west and northwest of the drill hole defined the limits of the metagabbro, but now it seems possible that they are related to the bedrock topography. Thus, the true extent of this unit can only be guessed at.

The remaining three drill holes are all located along high magnetic trends. The southernmost of these, BUR-04, intersected ≈67 m of dacites, followed by ≈51 m of felsic stretched feldspar porphyry. The last 75 m of core is mostly mafic to intermediate metavolcanics, which correlates well with the decrease in magnetics towards the south. However, these have tholeiitic chemistry and so they differ somewhat from BUR-01, where magnetics is higher.

BUR-09 and BUR-10 appear from the magnetics map to occur on a fold; BUR-09 on the north limb and BUR-10 very close to the hinge, and on the south limb. It is interesting that foliations measures in the upper part of BUR-10 suggest that folding is common; this may support the interpretation that this magnetic feature really is a fold hinge.

BUR-10 intersected a mixed section of pyroclastics. These plot mostly as calcalkaline dacites down to 130 m and afterwards they become somewhat more mafic, plotting as calcalkaline basalt and andesite. This change in composition approximately correlates with a decrease in magnetics, we therefore place the last 100 m of this hole in the same (regional) unit as the flows and tuffs in BUR-03, 05, 06, 07 and 13.

BUR-09 intersected feldspar-quartz crystal tuffs down to 130 m, and these are followed by mainly lapilli tuff. Both units show calcalkaline dacite compositions, but only part of the lapilli tuffs correlate with high magnetic values.

Map 11 shows our geologic interpretation of the Burntbush grid. We have considered all of the available geologic data (from outcrop, reverse circulation and diamond drilling) along with the magnetics, and to a lesser extent, VLF and IP results.

This interpretation is necessarily somewhat preliminary, and the relationship of rock units across the interpreted structures is difficult to ascertain. The internal symmetry within each of these blocks is also not well defined.

It is, though, of interest that magnetics suggests that rock units strike east-northeast. Since we interpret the main shear in the north part of the grid area to strike east-west, and since we suggest that much of the foliations developed in the "massive" rocks to be a shear fabric, it can be postulated that the entire grid lies within a large east-west trending structural deformation corridor.

This also suggests that drill holes should have been oriented more southeast. This is not a major problem since the angular difference is small, but it indicates that the foliations dip more steeply than indicated in section 3.2.

4.2.4 Alterations and Gold Geochemistry

Section 350E

Alterations in BUR-05 and BUR-07 are more or less restricted to anomalous calcite abundance. In BUR-05 this may be more due to the late brittle fault which shows a calcite cement; in BUR-07, this calcite is present mainly in the first 50 m drilled.

Gold geochemistry in these two holes show mostly background to very weakly anomalous results. The best value of 643 ppb Au was taken in the last 50 cm of core from BUR-05. It is perhaps significant that the intensity of shearing seemed to be decreasing towards the end of the hole, and that thin quartz-pyrite veins become more abundant.

Alterations in BUR-06 are variable, due in part to the diversity of rock types. Sericite and paragonite (?) may be related to alteration (paragonite may be metamorphic derivative of pyrophyllite). We also consider that the chloritoid in the mafic metavolcanics towards the end of the hole is an alteration mineral. A brief review of the literature shows that:

i) bleached wall rocks adjacent to ore at the Casa Berardi deposits commonly show a sericite-ankerite-chlorite-quartz ± chloritoid ± chromian mica assemblage (Pattison et al, 1986). Whereas chloritoid in BUR-06 is coarse and euhedral, chloritoid at Casa Berardi occurs as minute, usually microscopic grains. Sericite, chlorite, quartz and tourmaline are also present in the altered rocks in BUR-06, but ankerite and chromian mica have not been identified.

ii) a progressive alteration package including chloritoid has been documented from the East South "C" ore zone at the Dickenson Mine (Red Lake district). Mathieson and Hodgson (1984) have shown that as intensity of alteration increases, hornblende content decreases rapidly and eventually disappears. Newly formed minerals include biotite, chlorite, chloritoid, staurolite, andalusite, and in the most strongly altered rocks, garnet (see Fig. 2). The analogy with BUR-06 is most pertinent since this part of the Dickenson Mine is within the metamorphic aureole of an intrusive body and is at amphibolite facies. Note that co-existing hornblende and chloritoid has not been found in these altered rocks in BUR-06.

iii) at the Bousquet property, in the western part of the no. 6 mineralized zone, sheared and altered basalts locally contain up to 25% chloritoid crystals that cut across all tectonic fabrics (Tourigny and Hubert, 1986). This texture is remarkably similar to that observed in BUR-06.

Gold geochemistry results from BUR-06 show background to weakly anomalous results. However, the chloritoid-bearing rocks were inadequately sampled.

Section 900W

Chlorite alteration is moderate to strong and is extensive in holes BUR-01, 03 and 04. It is most evident in BUR-03 and the upper parts of BUR-01. Calcite and sericite alteration are also commonly observed in all of the drill holes.

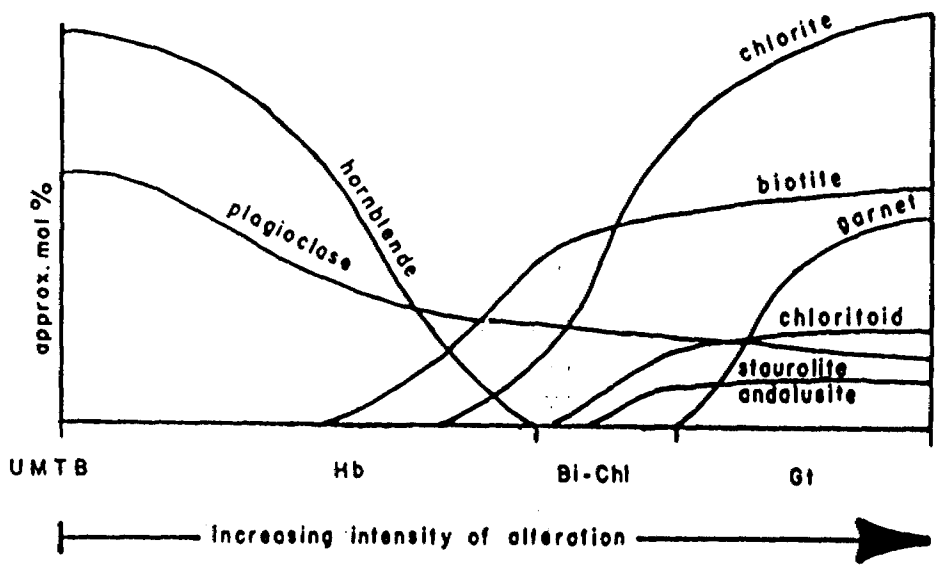

FIG. 7. Schematic representation of the variation in abundance of minerals indicative of alteration in mafic metavolcanic rocks in the ESC ore zone. Symbols: UMTB = unaltered metamorphosed tholeiitic basalt; Hb = hornblende or weakly altered facies; Bi–Chl = biotite–chlorite or moderately altered facies; Gt = garnet or strongly altered facies.

Figure 2 : **Progressive alteration assemblages in the East South "C" ore zone at the Dickenson Mine, Red Lake district (from Mathieson and Hodgson, 1984)**

Gold geochemistry results from drill core along 900W show mostly low background to weakly anomalous values. The pyritic intervals in BUR-01 should be resampled (eg 30-38 m, 150-165 m). Elevated results in BUR-04 (up to 60 ppb Au) are probably related more to anomalous pyrite abundance than to a gold mineralization event. Finally, in BUR-10, we interpret anomalous gold values (up to 95 ppb Au) to be of possible significance, but we suggest that two adjacent samples which give 300 and 75 ppb Au are related to a minor local zone of enriched pyrite content.

Section 2000W

Alterations along this profile are generally of weak intensity.

Gold geochemistry results give mostly low background to weakly anomalous results. A maximum result of 480 ppb Au, and other values up to 80 ppb Au in BUR-11 suggest that there is some Au mineralization to be found associated with the shear zone. Although one sample from BUR-13 gave 260 ppb Au, it is difficult to explain its importance. In BUR-09, anomalous results up to 95 ppb Au in lapilli tuff adjacent to sheared crystal tuff should be further investigated.

4.3 Spade Lake Area

In hole BUR-12, we drilled a shear zone which shows anomalous gold values (up to 550 ppb Au) over significant lengths. This shear zone approximately follows the northern contact of a sodic granodiorite porphyry intrusive. Undeformed rock north of the shear was not intersected.

This is considered to be the most important result of the 1988 exploration program. Problematic is the fact that fracture density is high and there was much core loss, making analytical results difficult to evaluate. But, the shear has a clear geophysical signature and should be fairly well delineated using surface methods.

5. SUMMARY AND CONCLUSIONS

Two holes were drilled in the eastern part of the property and we believe that the results obtained are applicable to all of the "northern low magnetic terrane".

We interpret the northern part of the property to be underlain by a thick turbidite sequence, within which occur minor thin, but laterally extensive tholeiitic mafic metavolcanic units. These metavolcanics can be mapped using magnetic contours since they have higher susceptibilities.

In hole BUR-02, a thin sulfide rich interval occurs adjacent to a weakly graphitic fault zone. Although Au, Cu and Zn analyses gave low values, this zone could have polymetallic base metal potential along strike. Till samples taken from reverse circulation holes do not, however, show any anomalous Cu or Zn values.

Elsewhere within the "northern low magnetic terrane", exploration work has not provided us with any indication of potential economic mineralization. But, it should not be forgotten that drilling by Dome Exploration Ltd in 1982, along a northwest trending EM conductor in the central part of the property, intersected quartz veining which gave a few values of 0.4 dwt/ton Au (≃0.7 g/t) over short (<1 m) intervals.

Within the Burntbush grid area, ten holes were drilled, and these have greatly improved over ability to interpret the geology in this part of the property.

Low magnetic areas are underlain by a calcalkaline mafic to intermediate metavolcanic sequence. These are mostly flows, but pyroclastics are not uncommon. The low magnetic band joining the area south of BUR-10 and drill hole BUR-07 may, for example, be dominated by tuffs. Within this sequence we also observe minor thin intervals of tholeiitic basalt and felsic to intermediate lithologies which have no apparent magnetic signature.

The main exception to this generalization is the northern part of the grid, which is characterized by low magnetic values where BUR-11 was drilled. The large mass of metagabbro which we intersected, and which outcrops to the west and northwest cannot be mapped by outlining the circular magnetic features as previously thought; these may alternatively be related to bedrock topographic highs.

Three main east-northeast trending high magnetic zones cross the central and western parts of the grid. The southernmost band is believed to represent a 100 to 200 m thick tholeiitic basalt unit, the central band represents sulfide-rich tholeiitic dacites in contact with a felsic feldspar porphyry unit, while the northern zone has the shape of a fold. This zone appears to be composed of a mixed succession of mostly intermediate calcalkaline (dacitic) pyroclastics.

These rocks have been metamorphosed to lower amphibolite facies, the predominant mineral assemblage in the mafic rocks, for example, is hornblende, biotite, plagioclase, quartz $\pm$ garnet with minor retrograde chlorite.

All of the rocks are interpreted to be weakly to moderately sheared, and locally shearing is very well developed. It is strongest in the metagabbro of BUR-11, but is also well displayed in crystal tuffs in BUR-09, in the stretched feldspar porphyry in BUR-04, and in the mafic rocks in BUR-03.

Whereas foliations are interpreted to be mostly oriented east-northeast, with steep northerly dips, we suspect that these discrete "shears" trend east-west. Although we have suggested this to be evidence of a wide structural deformation "corridor", magnetics contouring to the west indicates foliations trend east-west there.

Our evaluation of alterations observed in the drill core, and of gold geochemistry results, suggest that this area holds good potential for economic gold mineralization. As a first observation we point to isolated strongly anomalous gold values which have been found in various parts of the grid:

- a value of 643 ppb Au in BUR-05, at the end of the drill hole where intensity of shearing drops off, and where thin quartz-pyrite veins start to appear;

- a value of 480 ppb Au in BUR-11, in sheared metagabbro at the contact with weakly sheared felsic rocks;

- a value of 323 ppb Au in reverse circulation hole BOB-158, close to BUR-01, in metavolcanics with abundant quartz veining and coarse pyrite;

- A value of 260 ppb Au in seemingly fresh, unaltered mafic rocks adjacent to a pyritic zone of limited depth extent.

As a second observation, we point to weakly to moderately anomalous gold values which occur over more significant lengths:

- in BUR-01, results of 15 to 45 ppb Au at 24-30 m, followed by a pyritic interval from 30-38 m within which 3 of 4 samples from 32-34 m gave 0.2 g/t Au;

- also in BUR-01, apparently isolated values of 0.2 to 0.3 g/t Au in a pyritic interval from 150-165 m;

- in BUR-09, results of 55 to 95 ppb Au in lapilli tuffs adjacent to sheared feldspar-quartz crystal tuffs;

- in BUR-10, results of 15 to 95 ppb Au at 24.5-31.5 m and 50 to 64 ppb Au at 43.5-45.5 m in weakly fractured mixed (intermediate) tuffs.

As a third observation, we suggest that chlorite and calcite alteration along profile 900W, and that chloritoid-bearing altered mafic metavolcanics in BUR-06 may have a relationship with Au mineralization nearby.

When these results are combined with the clear evidence of locally intense shearing, obtained from only ten drill holes, in an area of very poor outcrop exposure, the only problem which arises is where to spot the next generation of drill holes.

Finally, one drill hole was collared in the western part of the property, and here we intersected a granodiorite porphyry which is strongly sheared at its northern boundary. The true width of the shear is not known since we collared into it; no undeformed core was recovered north of the zone. Within this shear, disseminated pyrite and minor quartz $\pm$ tourmaline veining with coarse pyrite was observed; also fracture density was high and this resulted in substantial core loss. Gold geochemistry results are very encouraging: nine samples gave greater than 100 ppb Au in two 9 m sections and one 6 m section, all between 56-95 m.

This hole represents the most encouraging result of the 1988 exploration program.

5.1 Recommendations For Further Work

At the present time, the proposed program for 1989 on the Burntbush River project is directed towards further evaluation of the western part of the property, in the vicinity of Spade Lake. We plan to:

i) extend the Burntbush grid west. Depending on cost of line-cutting and ground geophysics we may extend the grid all the way to the western boundary of the property, or, alternatively, we may chose to select a specific portion of this part of the property for follow-up work. Line spacing will be 100 m. Note that the change from 50 m to 100 m spacing should not compromise our interpretive capabilities since there appears from detailed airborne studies, to be more uniform, east-west trending magnetics in this part of the property relative to the Burntbush grid area;

ii) perform ground geophysics, including magnetics and an EM method. We will evaluate the possibility of replacing the VLF-EM method used in 1988, perhaps with a horizontal loop instrumentation which has a wider range of frequency options;

iii) perform diamond drilling with three objectives:

- to test east and/or west the shear zone intersected in BUR-12, probably at intervals of 400 m;
- to drill a more or less continuous profile north from BUR-12 into the vast metasedimentary terrane in the vicinity of reverse circulation hole BOB-170;
- to test, also at 400 m intervals, the contact between the metasedimentary and metavolcanic terranes if this contact is determined from the profile drilling (above) to be sheared, as is suggested by our results in the Burntbush grid area.

We also plan to resample drill core stored in the field to further evaluate targets defined from our interpretation of the 1988 program. The main areas of interest are in holes BUR-01, BUR-05 and BUR-06, but additional major element analyses from these and other holes will also be requested.

But, we recommend also that the following work be done, either during 1989 or at a later date, depending on the availability of exploration funds. These are listed below in order of priority.

i) humus sampling should be performed at relatively close spacing (eg 25 m) along the new cut lines in the vicinity of Spade Lake, to see if the gold mineralization encountered in BUR-12 has a related expression in the surficial organics. If such an association can be confirmed, a survey should be conducted over the Burntbush grid also;

ii) the Burntbush grid should be extended east, to better place in regional context the results received from holes BUR-05 and BUR-06. Of particular interest is the area southeast of BUR-05, where bedrock conductors are interpreted to be present;

iii) additional drilling on the Burntbush grid should be performed after results of the resampling program are received. We should follow-up the anomalous bedrock geochemistry from reverse circulation hole BOB-158, and we should do more work near holes BUR-05 and BUR-06. Additional work east and/or west of BUR-09 is also warranted;

iv) finally, we propose that a careful profile by profile evaluation of the airborne electromagnetic and magnetic results be undertaken along the linear east-west trend north of Blue Lake. Based on quality of the anomalies, two widely spaced profiles might be chosen for drilling, to test the polymetallic base metal potential of the conductor.

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COGEMA	1987, 1988
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NEWMONT	1986, 1987

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

FINAL REPORT 1988

"DIAMOND DRILL RESULTS"

VOLUME 2 of 3

A P P E N D I X I

DIAMOND DRILL HOLE DESCRIPTIONS

1. SUMMARY LOGS

2. FIELD LOGS

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S. Ball
R. Mousseau

Compiled: November, 1988

Ref. No. 88-CND-47-03
(Document: #0149U)

1. SUMMARY LOGS

NOTES: The Summary Logs are intended to summarize the field logs in concise form and were prepared after reception of all chemistry data and after examination of thin sections.

Jensen cation plots (Jensen, 1976) are given for all samples on which major element geochemistry was performed. Sample numbers are given on the summary log to aid the reader in determining from which lithology samples were taken.

FeO and Fe_2O_3 components of the Fe_2O_3 total iron analytical results were calculated using the procedure recommended by Irvine and Baragar (1971).

SUMMARY LOG

BUR-01:

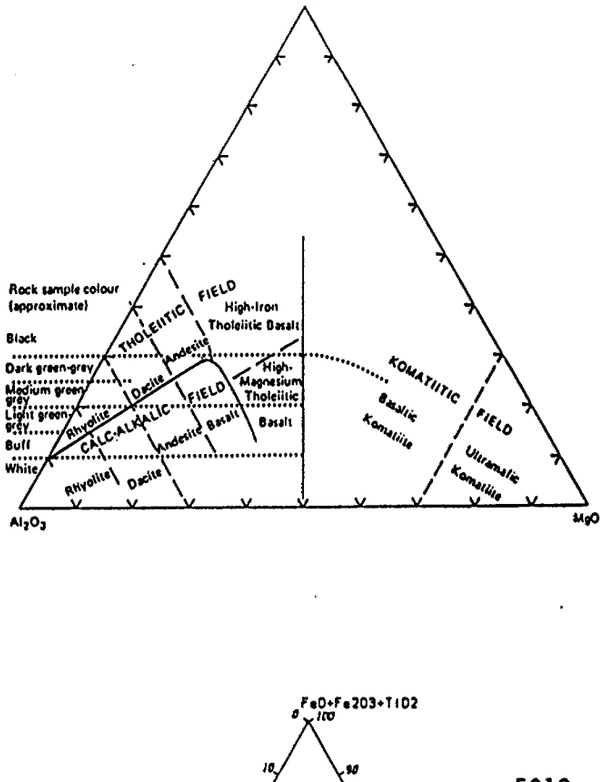
0 - 7.3	OVERBURDEN
7.3-200.0	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
7.3- 28.5	amphibole ± garnet schist; flow
28.5- 38.8	amphibole ± garnet volcaniclastic schist; lapilli tuff
38.8- 55.6	amphibole schist; flow (5018, 5019)
55.6- 89.9	amphibole ± garnet volcaniclastic schits; lapilli tuff (5020)
89.9- 97.3	amphibole schist; flow
97.3-102.3	amphibole volcaniclastic schist; lapilli tuff
102.3-200.0	amphibole ± garnet schist; flow (5026)

SUMMARY OF GOLD ANALYTICAL RESULTS

1) at 12.5-13.0: 0.2 g/t; relatively fresh, punctual sample

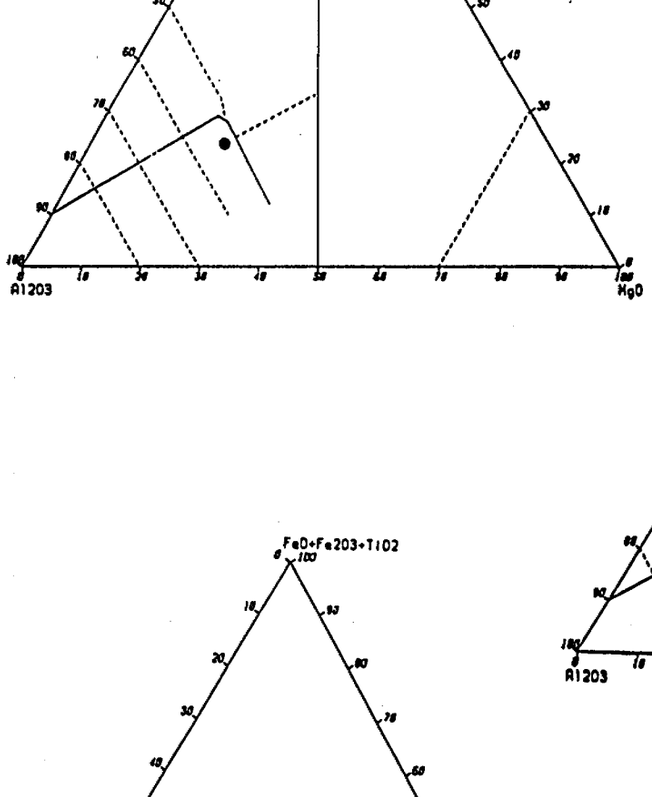
2) at 24-30 m: 20, 40, 15, 45 ppb; fractured, weakly pyritic zone;
   at 32-34 m: 3 of 4 samples give 0.2 g/t; 2-5% pyrite

3) at 150.1-150.6: 0.2 g/t; weakly pyritic healed breccia;
   at 156.0-157.0: 0.3, 0.2 g/t; 1-3% pyrite;
   at 163.0-165.5: 2 of 5 samples give 0.2 g/t; weakly pyritic



BUR-01

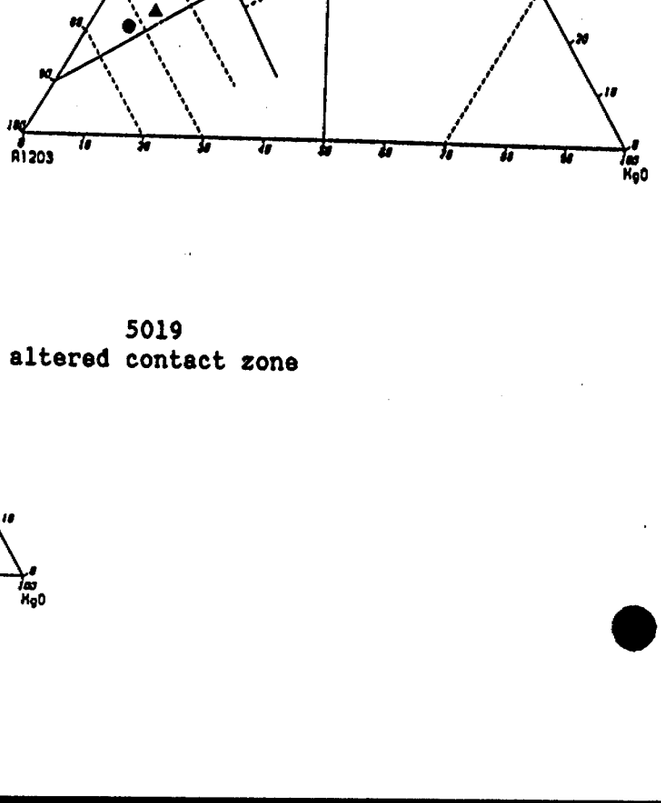
JENSEN CATION PLOTS

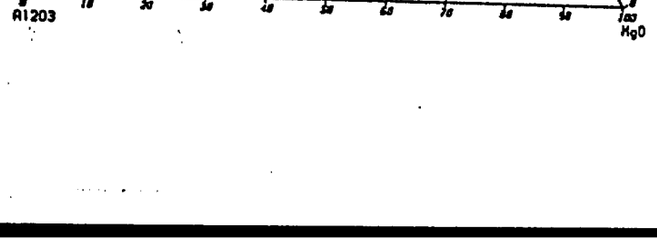


5018
mafic flow

● 5020
volcaniclastic

▲ 5026
probably volcaniclastic
(clast: matrix not recorded





5019
altered contact zone

SUMMARY LOG

BUR-02:

0 - 46.1	OVERBURDEN
46.1-132.3	METASEDIMENTARY ROCKS
46.1- 91.8	biotite ± amphibole ± garnet schist; greywacke and/or ash tuff (5088, 5093)
91.8- 97.8	strongly sulfidized schist (pyrrhotite ≈ pyrite)
97.8-132.3	biotite ± garnet schist; argillaceous greywacke (5105) 122.5-127.2: feldspar porphyry dyke
132.3-245.0	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
132.3-195.0	amphibole-garnet schist; flow or ash tuff (5108, 5109)
195.0-206.5	interbedded quartzite and schist
206.5-229.7	feldspar porphyry dyke
229.7-245.0	amphibole ± garnet schist; flow or ash tuff

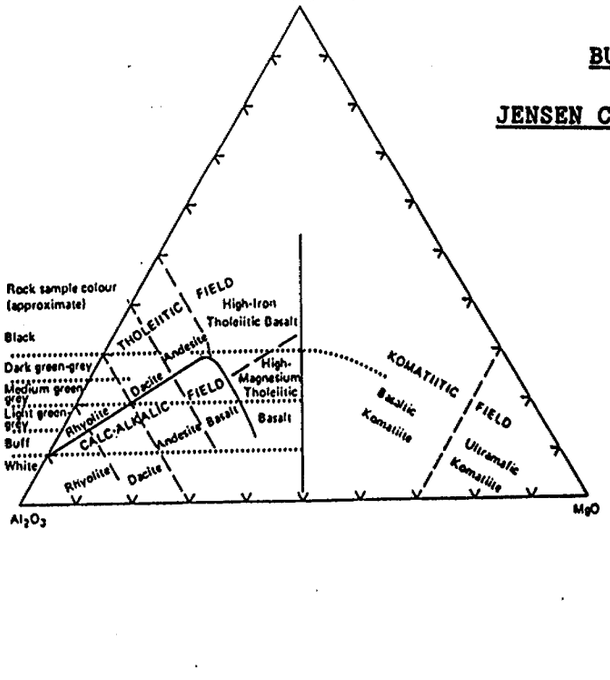
SUMMARY OF GOLD ANALYTICAL RESULTS

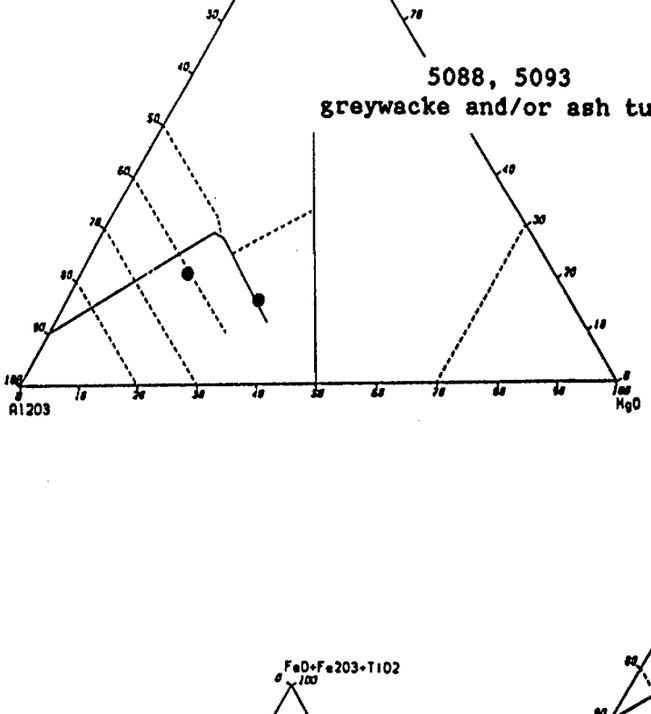
1) at 75.0-75.5: 0.2 g/t; quartz-calcite-pyrite-pyrrhotite veining

2) at 91.5-92.0: 0.2 g/t; 10% pyrrhotite, minor pyrite as breccia cement

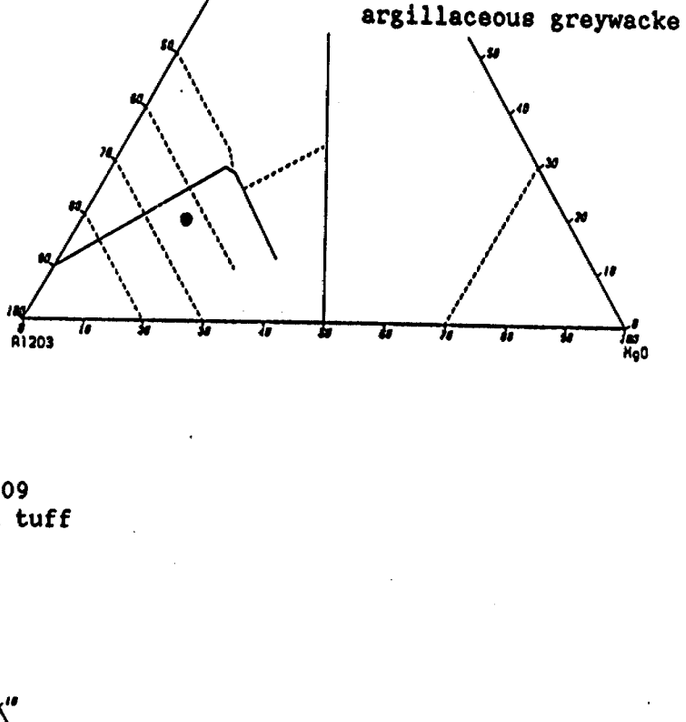
BUR-02

JENSEN CATION PLOTS

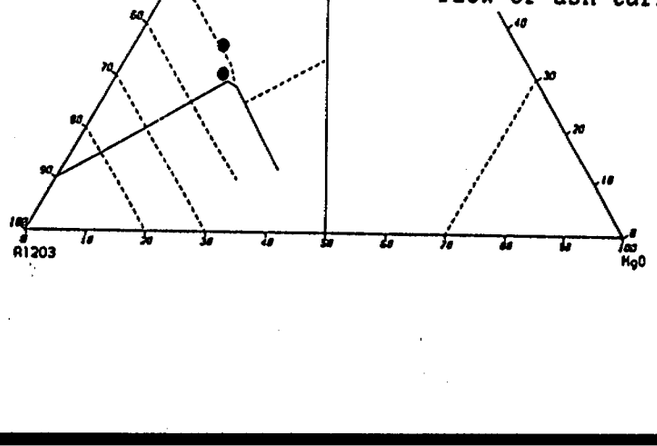




5088, 5093
greywacke and/or ash tuff



5105
argillaceous greywacke



5108, 5109
flow or ash tuff

SUMMARY LOG

BUR-03:

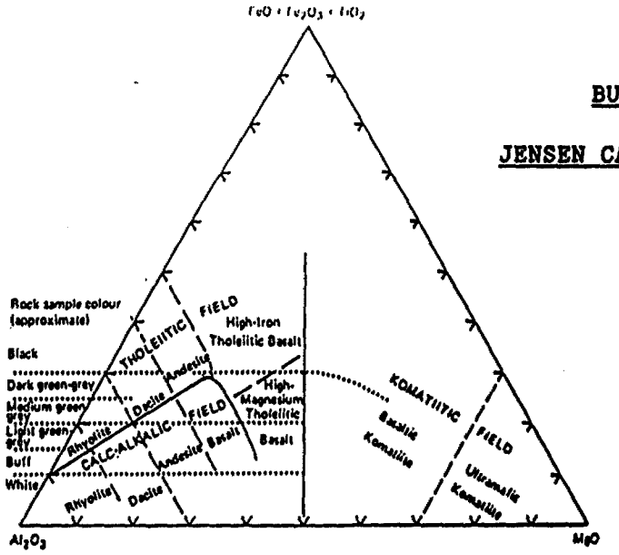
0 - 6.5	OVERBURDEN
6.5-149.0	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
6.5-149.0	amphibole ± garnet schist; flow (5049, 5050, 5055, 5057)

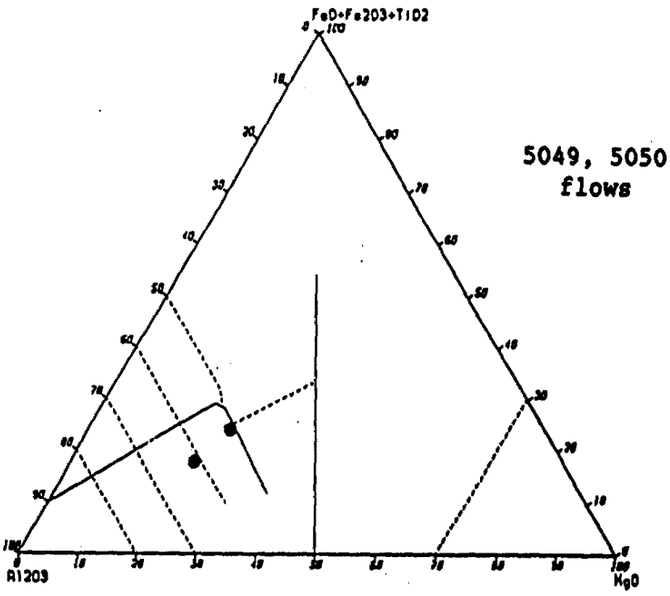
SUMMARY OF GOLD ANALYTICAL RESULTS

1) at 61.0-61.5: 0.2 g/t; weakly pyritic healed breccia, punctual sample

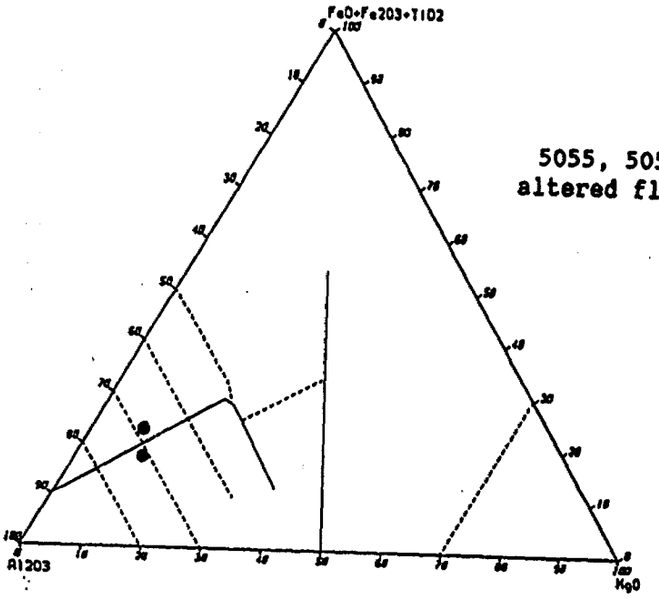
BUR-03

JENSEN CATION PLOTS





5049, 5050
flows



5055, 5057
altered flows

SUMMARY LOG

BUR-04:

0 - 7.3	OVERBURDEN
7.3- 74.1	INTERMEDIATE METAVOLCANIC ROCKS
7.3- 74.1	sulfide-rich schist (pyrite < pyrrhotite); flow (5062, 5068, 5067)
74.1-124.9	FELSIC METAVOLCANIC ROCKS
74.1-124.9	stretched feldspar porphyry; porphyritic flow or sill (5074, 5075)
124.9-200.0	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
124.9-178.0	amphibole ± garnet schist; flow (5082, 5084)
178.0-193.5	amphibole ± garnet volcaniclastic schist; thinly interbedded mafic and felsic tuffs or stretched lapilli tuff (5086)
193.5-200.0	amphibole-garnet schist; flow

SUMMARY OF GOLD ANALYTICAL RESULTS

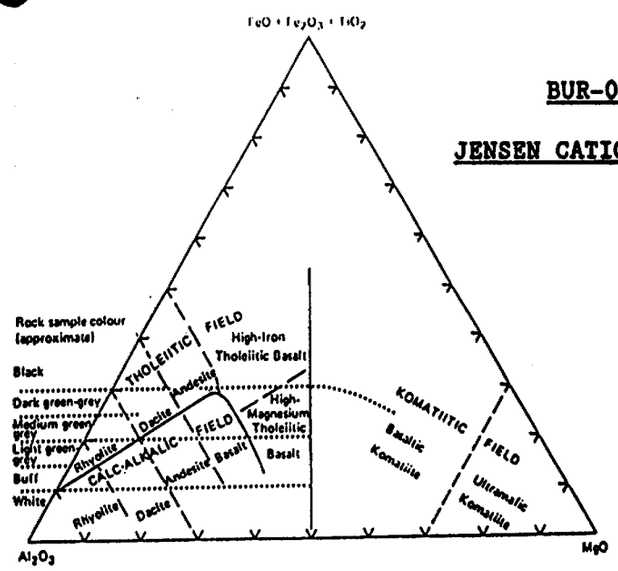
1) at 14.0-15.5: 40 ppb; up to 10% pyrite--pyrrhotite, quartz veinlets
   at 17.5-25.5: 15, 60, 10, 15, 45, 24 ppb; up to 10% pyrite-pyrrhotite, quartz-pyrite veinlets
   at 26.5-31.0: 25, 15, 15 ppb: 3-10% pyrite

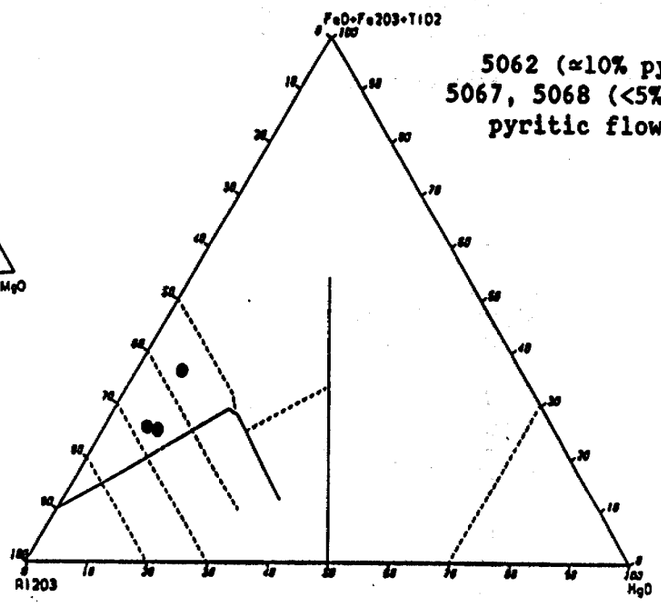
2) at 81.0-82.5: 25 ppb; 3% pyrite
   at 108.5-110.0: 20 ppb; relatively fresh sample

3) at 146.5-147.0, 157.5-158.0, 194.0-194.5: 0.2 g/t; weakly fractured, relatively fresh, punctual samples

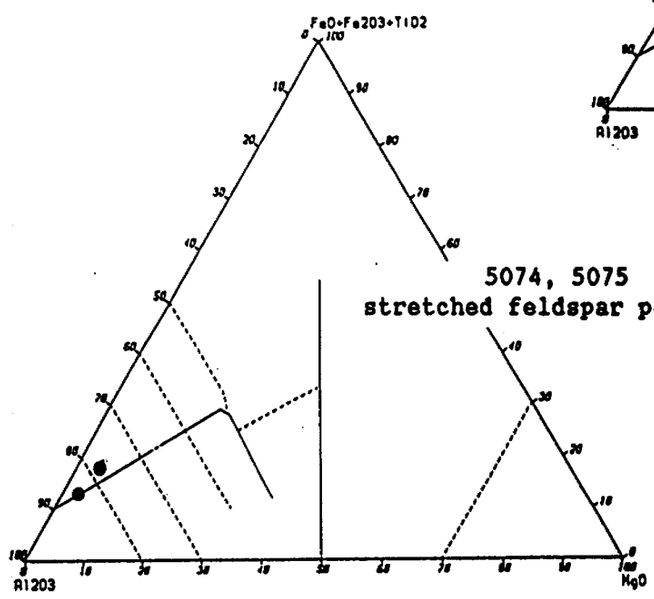
BUR-04

JENSEN CATION PLOTS

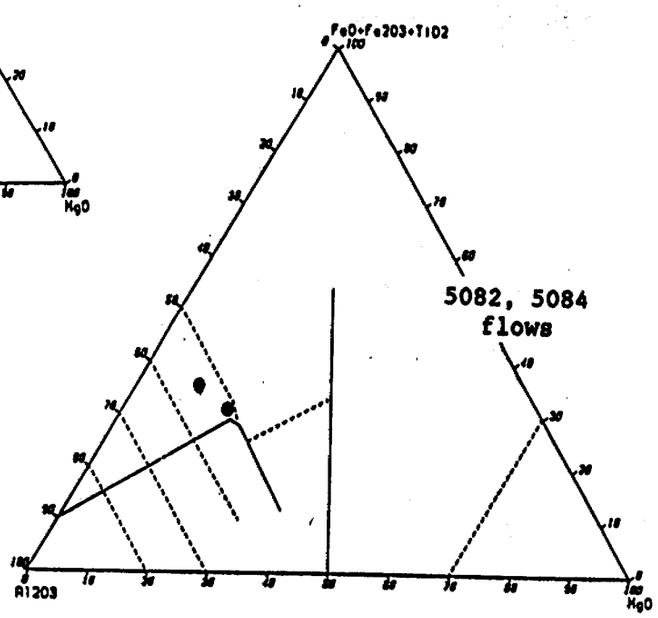




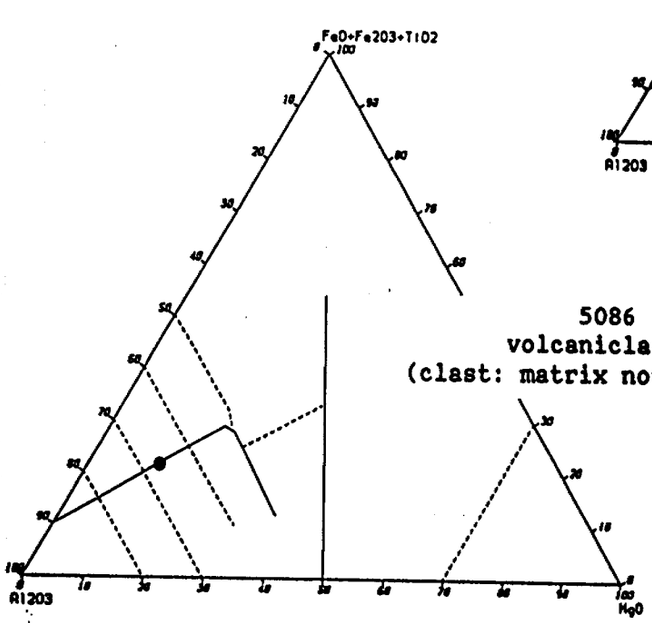
5062 (≈10% py)
5067, 5068 (<5% py)
pyritic flows



5074, 5075
stretched feldspar porphyry



5082, 5084
flows



5086
volcaniclastic
(clast: matrix not recorded)

SUMMARY LOG

BUR-05:

0 - 52.4	OVERBURDEN
52.4-206.1	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
52.4- 67.0	amphibole schist; flow (5148)
67.0- 69.2	quartz-calcite-sericite schist; quartz-eye tuff (5149)
69.2-206.1	amphibole ± garnet schist; flow (5150, 5151, 5152, 5153, 5154, 5156, 5157)
206.1-238.0	FAULT GOUGE
238.0-278.0	INTERMEDIATE METAVOLCANIC ROCKS
238.0-278.0	biotite schist; ash tuff (5178, 5179, 5180, 5181, 5182)

SUMMARY OF GOLD ANALYTICAL RESULTS

1) at 67.5-68.0: 33 ppb; thin, altered quartz-eye tuff, punctual sample

2) at 188.2-188.7: 37 ppb; relatively fresh, garnet-rich schist, punctual sample

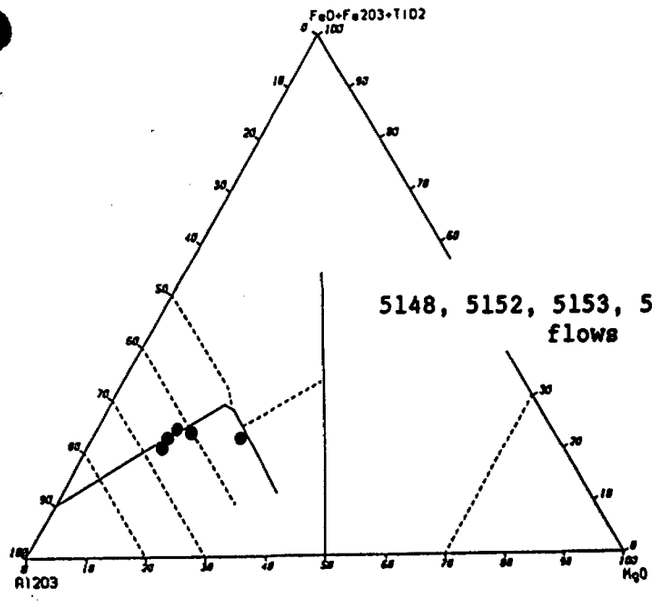
3) at 205.0-206.0: 12, 40 ppb; hematite alteration adjacent to fault gouge

4) at 221.0-224.0: 20 ppb; fault gouge

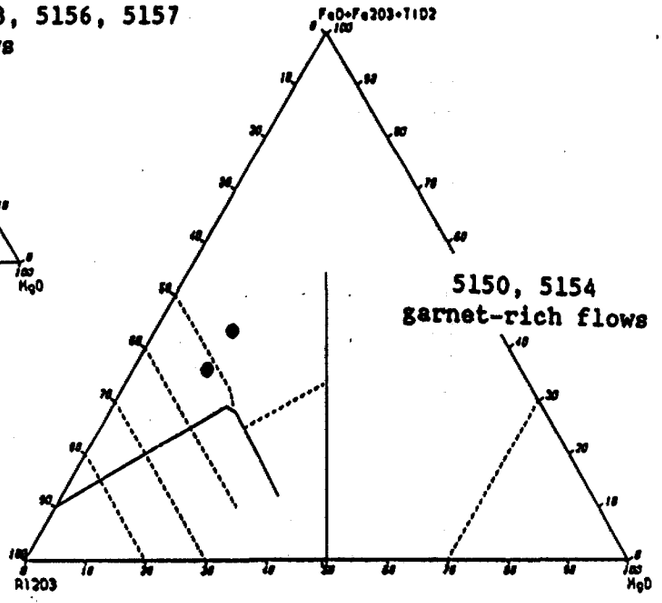
5) at 277.5-278.0: 643 ppb; relatively fresh, punctual sample taken at end of hole

BUR-05

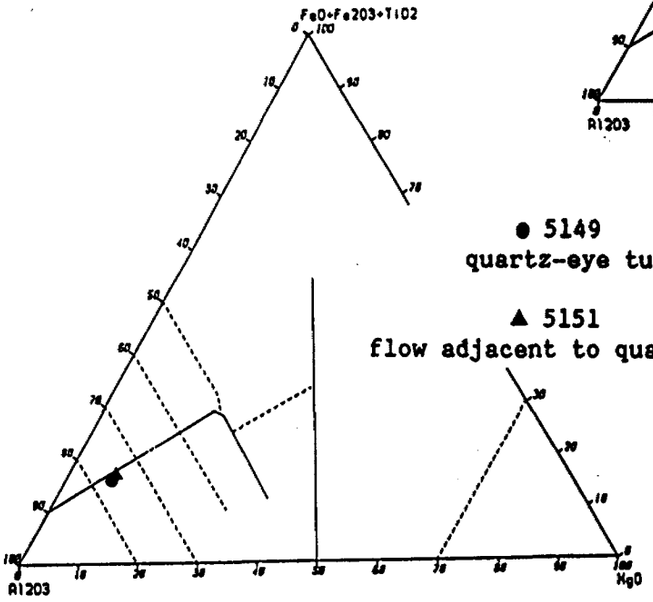
JENSEN CATION PLOTS



5148, 5152, 5153, 5156, 5157
flows

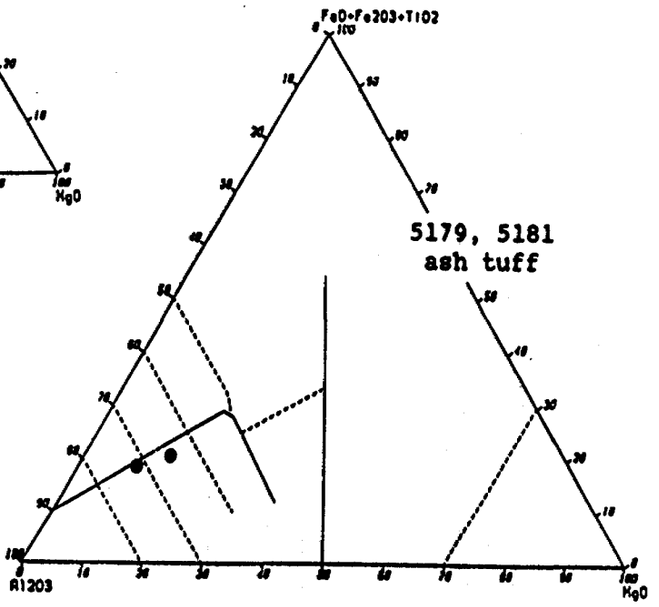


5150, 5154
garnet-rich flows

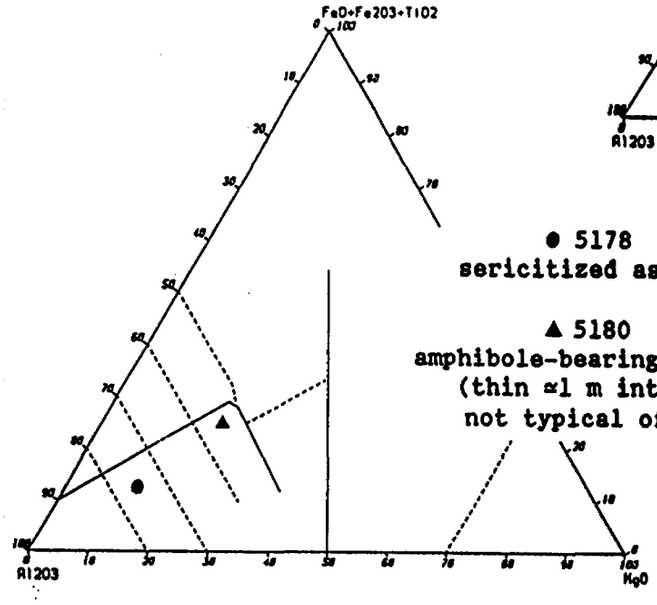


● 5149
quartz-eye tuff

▲ 5151
flow adjacent to quartz vein



5179, 5181
ash tuff



● 5178
sericitized ash tuff

▲ 5180
amphibole-bearing ash tuff
(thin ≈1 m intervals
not typical of unit

SUMMARY LOG

BUR-06:

0 - 40.0	OVERBURDEN
40.0-121.6	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
40.0- 52.8	amphibole schist; flow
52.8- 57.5	biotite-quartz eye schist; quartz eye tuff (5115)
57.5- 62.2	amphibole ± garnet schist; flow
62.2- 68.1	biotite-quartz eye schist; quartz eye tuff
68.1- 87.4	amphibole ± garnet schist; flow
87.4- 92.0	biotite schist; ash tuff
92.0-108.0	amphibole schist; flow
108.0-121.6	feldspar porphyry; porphyritic flow (5118)
121.6-150.7	FELSIC to INTERMEDIATE METAVOLCANIC ROCKS
121.6-140.1	crenulated quartz-sericite schist; deformed crystal tuff (5123, 5129)
140.1-143.4	amphibole-garnet schist; flow
143.4-150.7	silicic aphanitic schist; porphyritic rhyolite (5135)
150.7-247.2	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
150.7-156.3	amphibole schist; flow
156.3-164.6	feldspar porphyry; porphyritic flow or dyke
164.6-183.5	amphibole ± garnet schist; flow (5145)
183.5-195.7	fault gouge
195.7-223.0	amphibole-garnet schist; flow
223.0-247.2	chloritoid ± garnet schist; altered flow (5162, 5164)

SUMMARY OF GOLD ANALYTICAL RESULTS

1) at 46.0-46.5 m: 0.3 g/t; spike anomaly in fractured amphibole schist

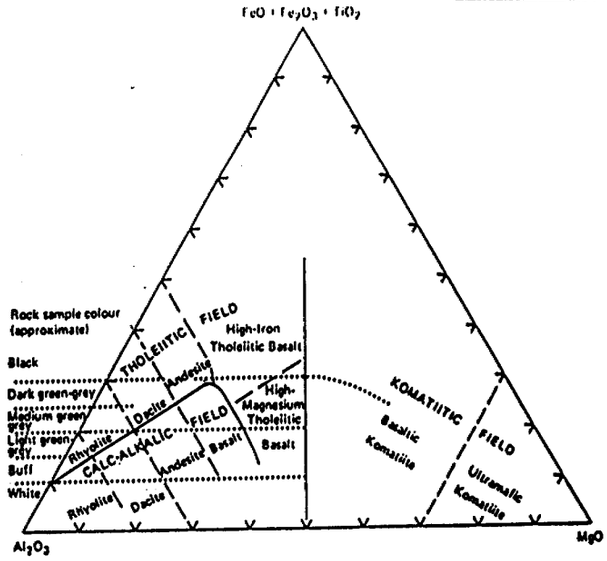
2) at 51.0-53.0 m: 35 ppb; fractured contact
   at 56.0-56.5 m: 21 ppb; fractured quartz-eye tuff, weakly pyritic

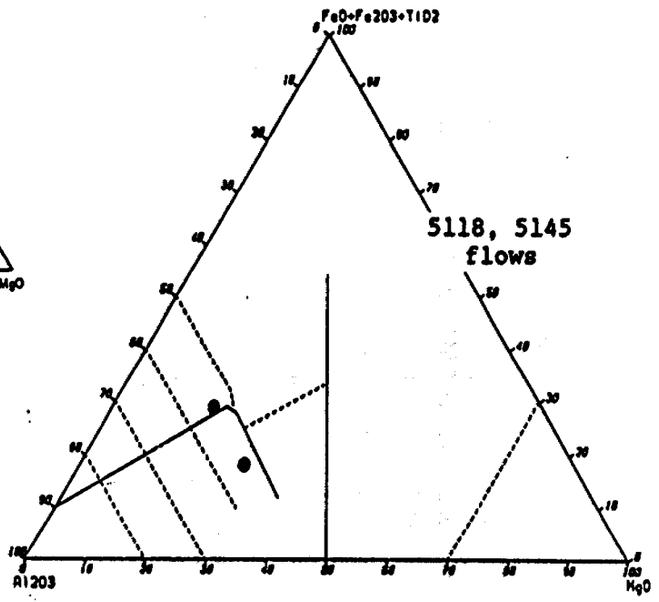
3) at 115.0-116.5: 25 ppb; bleached section in feldspar porphyry
   at 119.5-121.0: 30 ppb; chloritized section in feldspar porphyry, weakly pyritic

4) at 232.0-232.5: 0.2 g/t; chloritoid-garnet schist, weakly pyritic

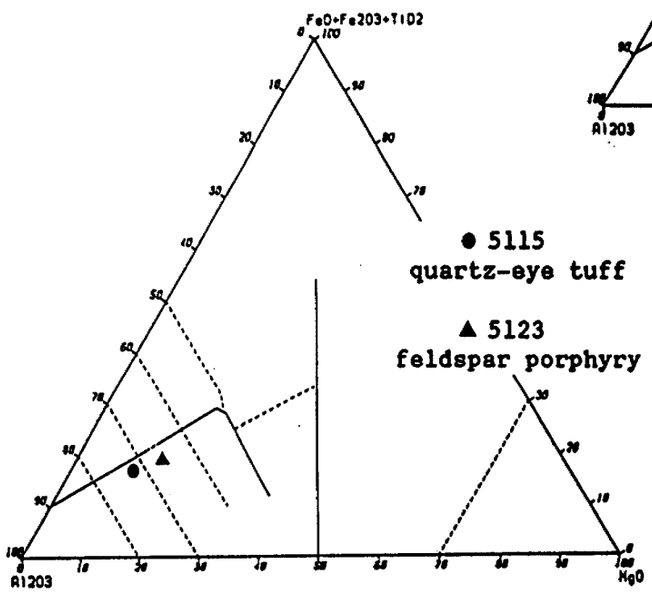
BUR-06

JENSEN CATION PLOTS



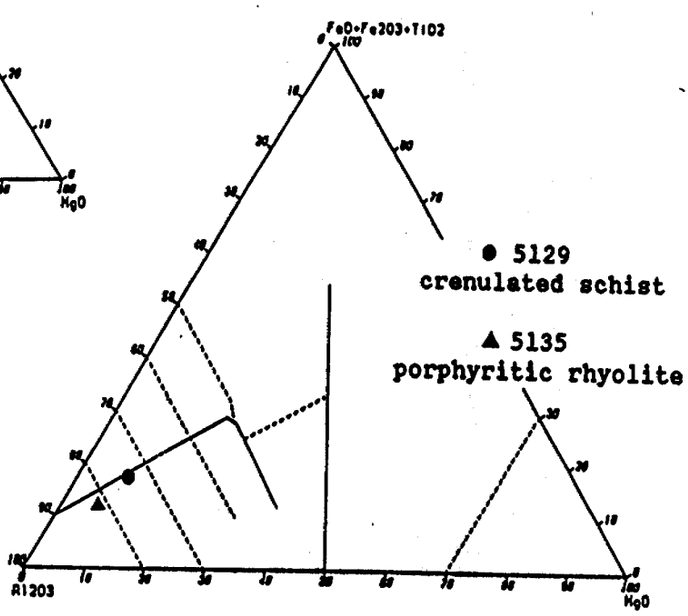


5118, 5145
flows



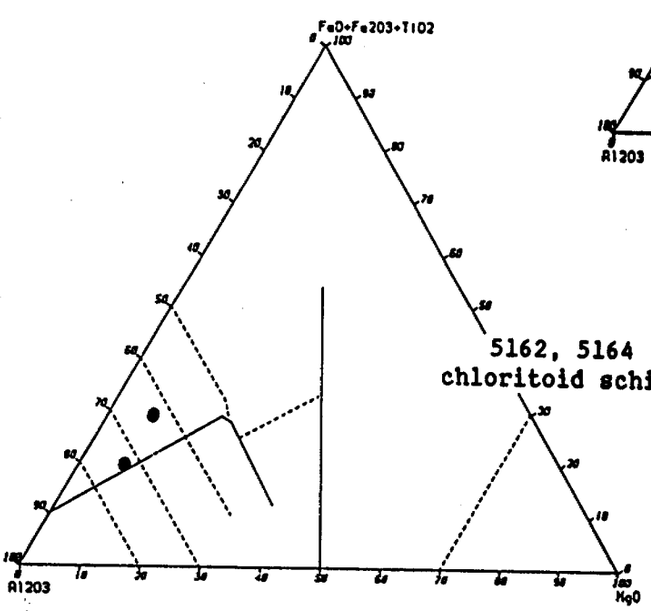
● 5115
quartz-eye tuff

▲ 5123
feldspar porphyry



● 5129
crenulated schist

▲ 5135
porphyritic rhyolite



5162, 5164
chloritoid schist

SUMMARY LOG

BUR-07:

0 - 44.9	OVERBURDEN
44.9- 91.8	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
44.9- 79.8	laminated amphibole ± feldspar ± garnet schist; ash and crystal tuffs (5170)
79.8- 86.5	graphitic schist; argillaceous sediment or tuffaceous sediment (5172)
86.5- 91.8	laminated amphibole ± garnet schist; ash tuff
91.8-108.6	FELSIC METAVOLCANIC ROCKS
91.8-108.6	quartz eye ± garnet schist; quartz eye tuff (5174, 5175)
108.6-260.0	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
108.6-148.0	laminated biotite ± amphibole ± garnet schist; ash tuff (5184, 5186, 5187)
148.0-206.4	laminated amphibole ± biotite schist; ash tuff (5191, 5194)
206.4-218.9	amphibole-biotite volcaniclastic schist; lapilli tuff (5201, 5202)
218.9-260.0	laminated amphibole ± biotite schist; ash tuff (5204, 5209)

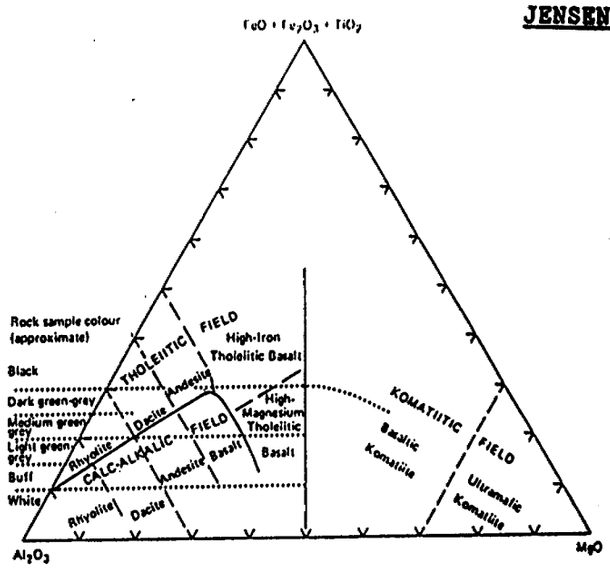
SUMMARY OF GOLD ANALYTICAL RESULTS

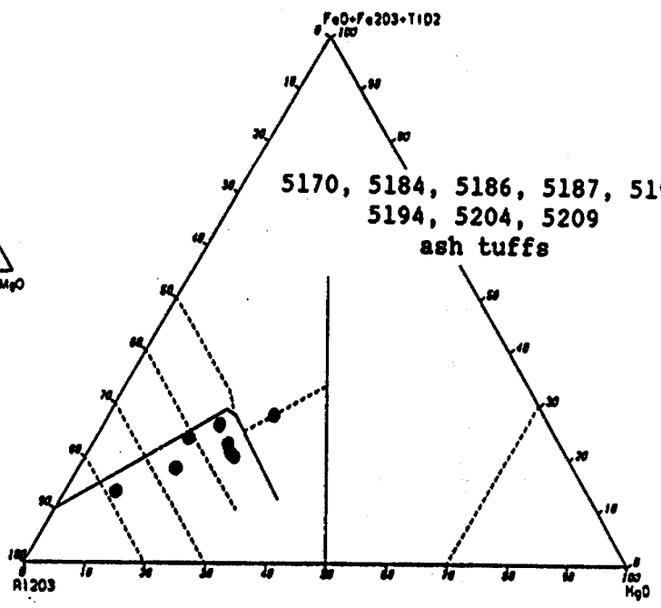
1) at 63.0-63.5: 0.2 g/t; weakly pyritic punctual sample in fractured schist
   at 73.5-74.0: 0.2 g/t; weakly pyritic, relatively fresh, punctual sample

2) at 218.3-218.8: 21 ppb; chloritized lapilli tuff, punctual sample

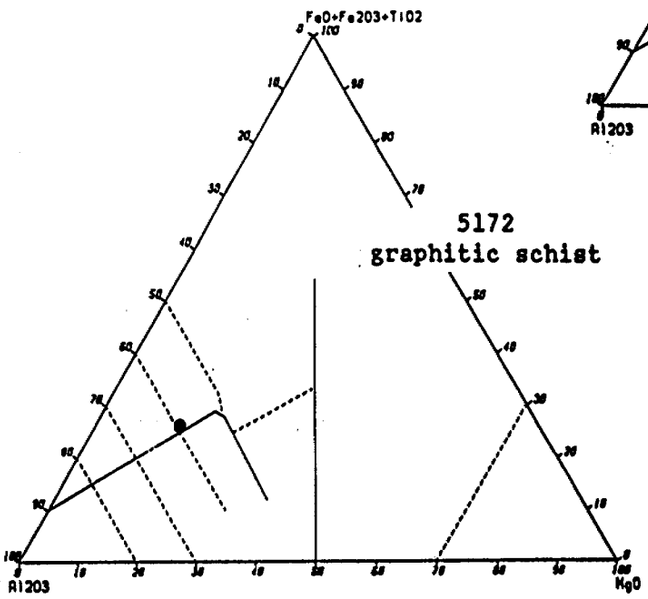
BUR-07

JENSEN CATION PLOTS

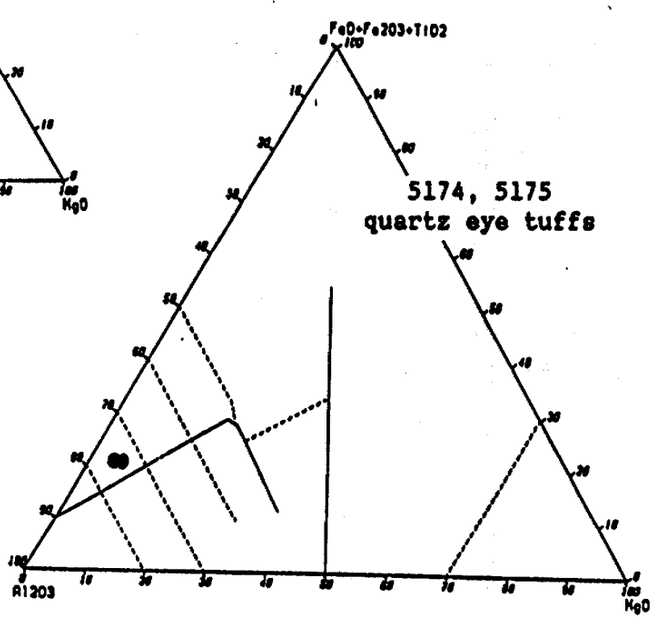




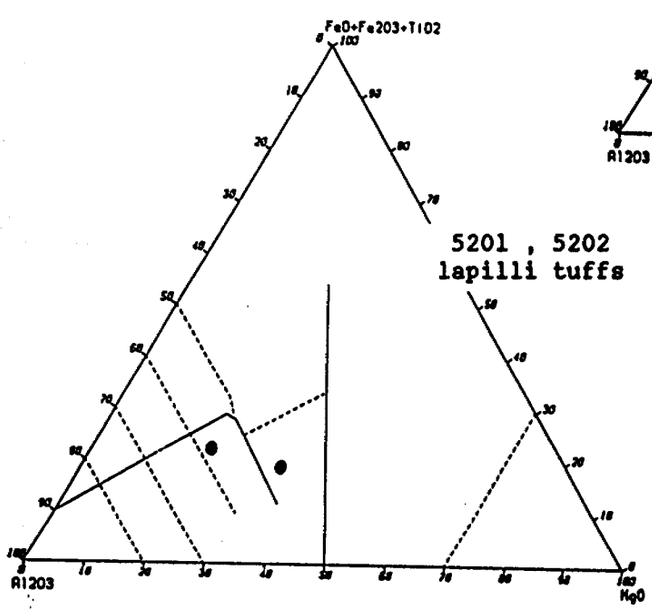
5170, 5184, 5186, 5187, 5191
5194, 5204, 5209
ash tuffs



5172
graphitic schist



5174, 5175
quartz eye tuffs



5201 , 5202
lapilli tuffs

SUMMARY LOG

BUR-08:

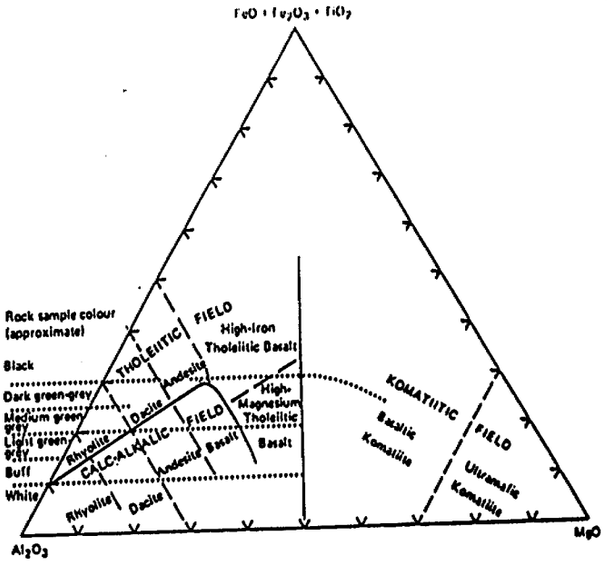
0 - 47.0	OVERBURDEN
47.0-228.3	METASEDIMENTARY ROCKS
47.0-228.3	biotite ± garnet schist; greywacke (5210, 5211, 5212, 5213, 5214, 5215, 5216, 5217)

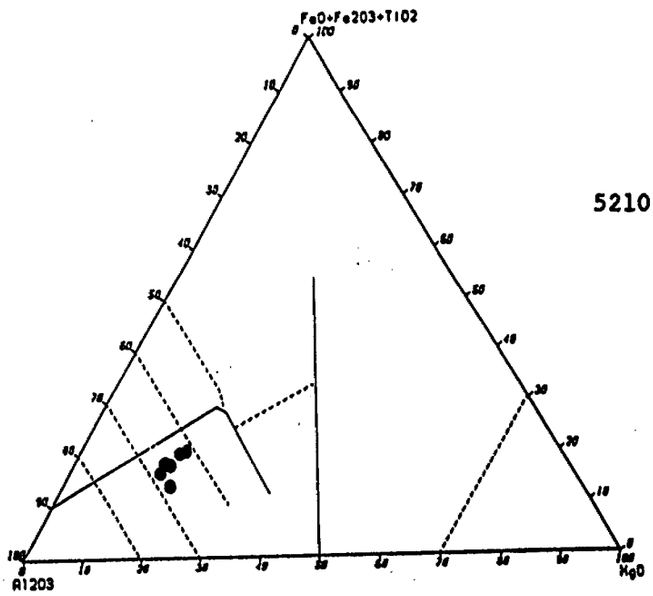
SUMMARY OF GOLD ANALYTICAL RESULTS

1) maximum result is 9 ppb

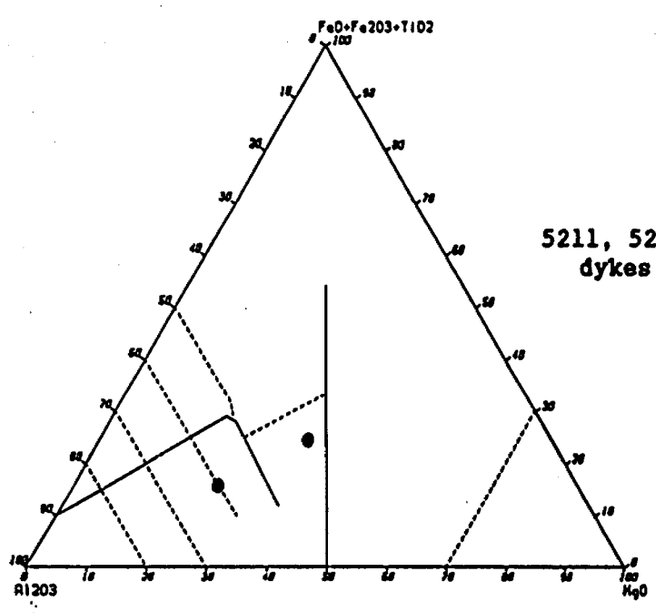
BUR-08

JENSEN CATION PLOTS





5210, 5212, 5213, 5214
5215, 5217
greywacke



5211, 5216
dykes

SUMMARY LOG

BUR-09:

0 - 20.9	OVERBURDEN
20.9-257.0	INTERMEDIATE (DACITIC) METAVOLCANIC ROCKS
20.9-130.8	feldspar-quartz porphyritic schist; crystal tuff (5218, 5221, 5226, 5229, 5232, 5237)
130.8-195.4	biotite-volcaniclastic schist; lapilli tuff (5243)
195.4-214.5	feldspar-quartz porphyry; dyke or sill
214.5-238.7	biotite-volcaniclastic schist; lapilli tuff (5248)
238.7-257.0	feldspar-quartz porphyry; dyke or sill (5249)

SUMMARY OF GOLD ANALYTICAL RESULTS

1) at 83.5-85.0 m: 20 ppb; 5% pyrite in sheared crystal tuff

2) at 101.5-102.0 m: 0.2 g/t; weakly sheared crystal tuff

3) at 124.0-124.5: 21 ppb; 3% pyrite in crystal tuff

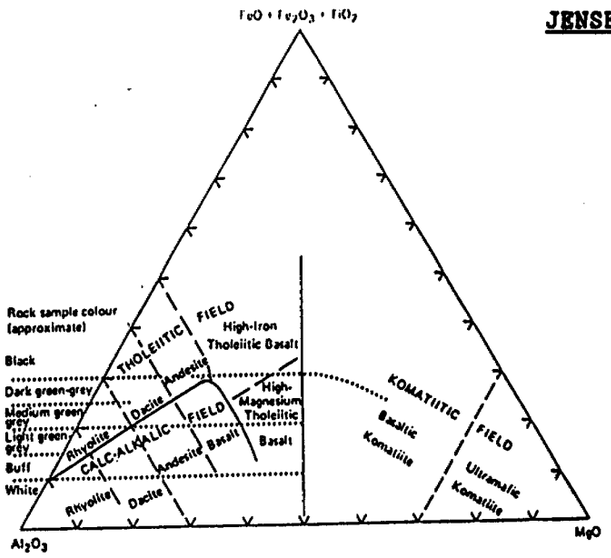
4) at 133.0-137.5: 70 ppb, trace, 95, 55 ppb; lapilli tuff adjacent to sheared crystal tuff

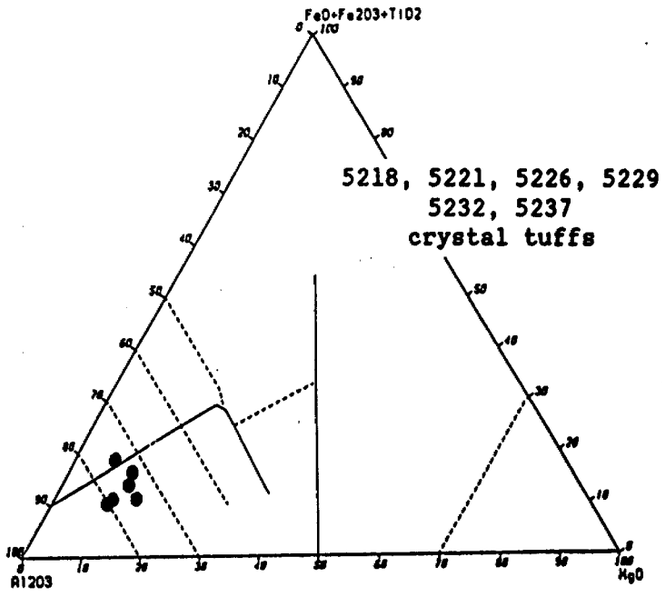
5) at 148.5-149.0: 0.2 g/t; 3% pyrite in lapilli tuff, punctual sample
   at 157.0-157.5: 69 ppb; 2% pyrite in lapilli tuff, punctual sample
   at 161.5-162.0: 0.3 g/t; 5% pyrite in lapilli tuff, punctual sample

6) at 214.5-215.0: 0.2 g/t; 2% pyrite in lapilli tuff at contact with feldspar-quartz porphyry dyke, punctual sample

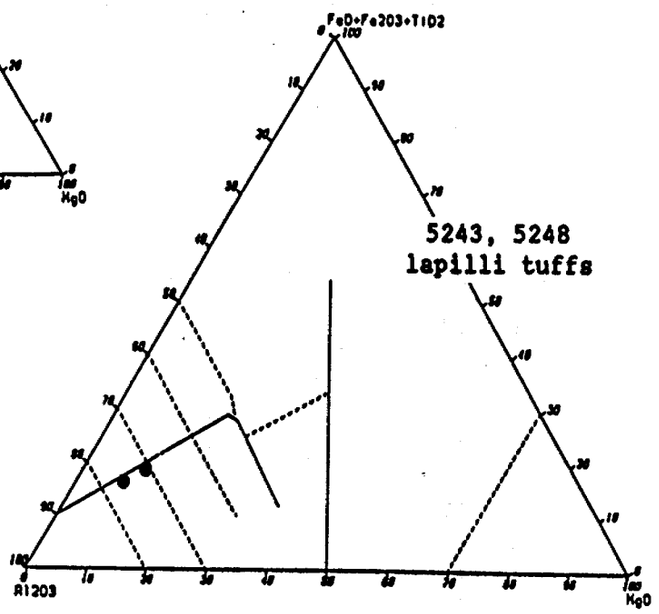
BUR-09

JENSEN CATION PLOTS

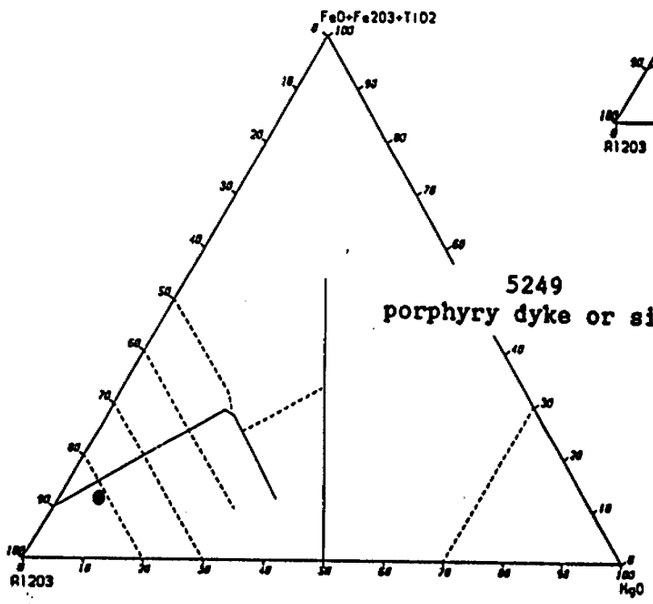




5218, 5221, 5226, 5229
5232, 5237
crystal tuffs



5243, 5248
lapilli tuffs



5249
porphyry dyke or sill

SUMMARY LOG

BUR-10:

0 - 16.2	OVERBURDEN
16.2-130.4	INTERMEDIATE METAVOLCANIC ROCKS
16.2- 91.4	mixed biotite-muscovite schist; ash and crystal tuff (5250, 5251, 5252, 5253, 5254, 5255, 5256, 5257)
91.4-130.4	quartz porphyry; quartz-eye tuff or sill (5260)
130.4-244.0	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
130.4-244.0	mixed amphibole-biotite schist; ash and crystal tuff (5261, 5262, 5263, 5264, 5265, 5682, 5683)

SUMMARY OF GOLD ANALYTICAL RESULTS

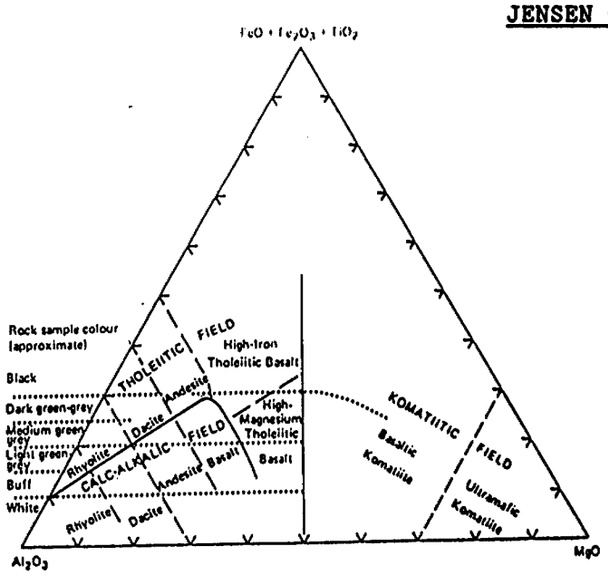
1) at 24.5-31.5 m: 15, 95, 25, 15, 19, 15 ppb; weakly fractured mixed tuffs

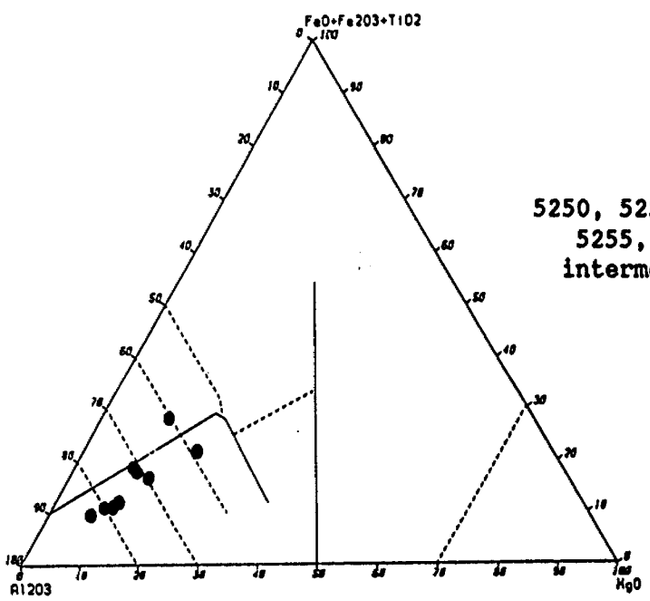
2) at 43.5-45.5 m: 64, 50 ppb; 2 m thick quartz-eye tuff, minor py, po

3) at 87.2-88.2 m: 300, 75 ppb; up to 10% pyrite in 20 cm open fold hinge

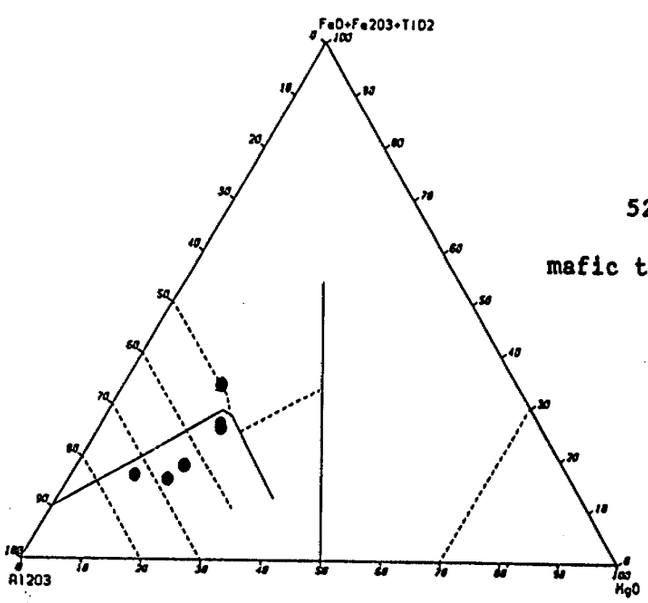
BUR-10

JENSEN CATION PLOTS





5250, 5251, 5252, 5253, 5254
5255, 5256, 5257, 5260
intermediate mixed tuffs



5261, 5262, 5263, 5264
5265, 5682, 5683
mafic to intermediate mixed tuffs

SUMMARY LOG

BUR-11:

0 - 19.3	OVERBURDEN
19.3-159.2	MAFIC INTRUSIVE ROCKS
19.3-159.2	feldspar-amphibole schist; sheared metagabbro (5266, 5273, 5282) 71.1-77.7 mostly white quartz vein
159.2-217.0	FELSIC INTRUSIVE ROCKS
159.2-217.0	equigranular felsic granitoid (5290, 5294, 5297)

SUMMARY OF GOLD ANALYTICAL RESULTS

1) at 105.5-106.0 m: 20 ppb; sheared metagabbro
   at 113.0-113.5 m: 70 ppb; sheared metagabbro, brown alteration
   at 119.0-119.5 m: 80 ppb; sheared metagabbro, 3-5% pyrite-pyrrhotite
   at 129.0-129.5 m: 60 ppb; fracture zone in sheared metagabbro
   at 131.0-132.5 m: 30 ppb; fracture zone in sheared metagabbro

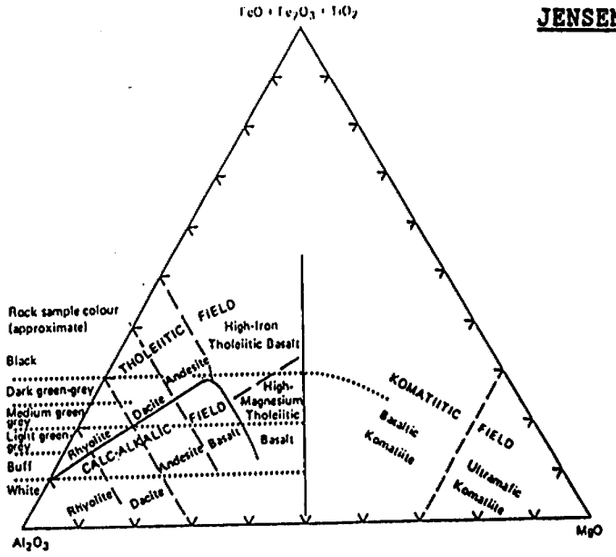
2) at 150.0-150.5 m: 25 ppb; felsic dyke in sheared metagabbro

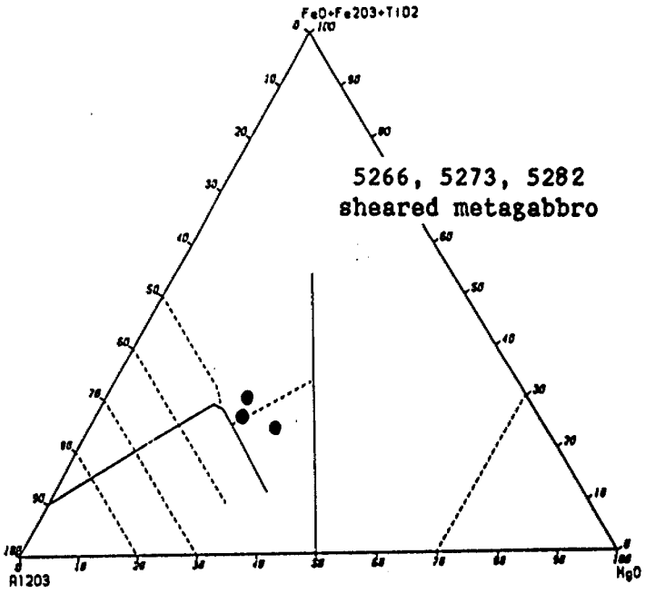
3) at 153.5-159.5 m: 20, 5, 480, 15 ppb; sheared metagabbro at contact with felsic granitoid

4) at 165.0-165.5 m: 26 ppb; felsic granitoid, punctual sample
   at 170.0-170.5 m: 65 ppb; quartz vein in felsic granitoid, punctual sample
   at 174.5-175.0 m: 20 ppb; quartz vein in felsic granitoid, punctual sample
   at 180.0-180.5 m: 53 ppb; quartz vein in felsic granitoid, punctual sample

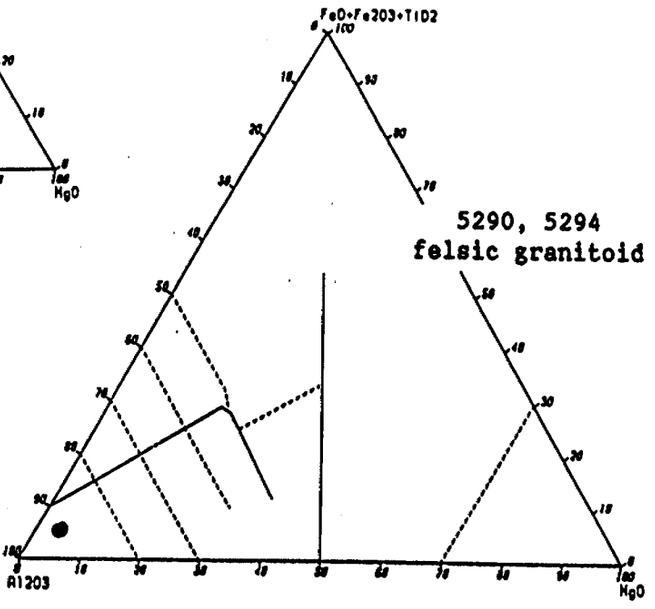
BUR-11

JENSEN CATION PLOTS

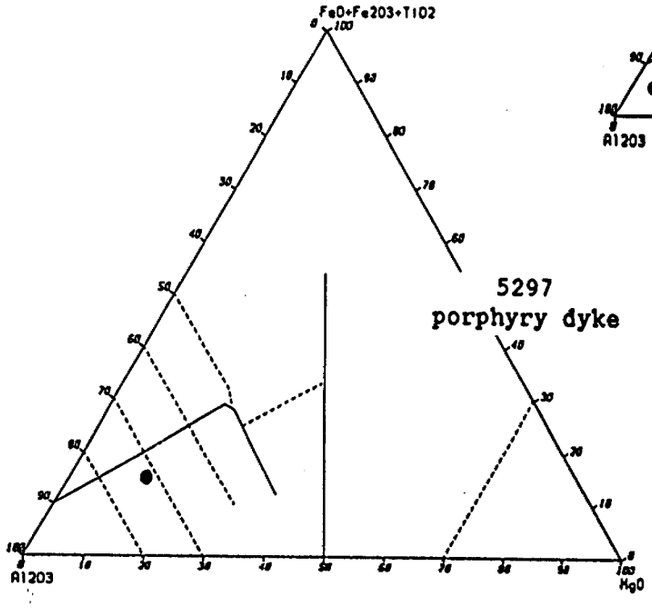




5266, 5273, 5282
sheared metagabbro



5290, 5294
felsic granitoid



5297
porphyry dyke

SUMMARY LOG

BUR-12:

0 - 41.0	OVERBURDEN
41.0-191.0	FELSIC INTRUSIVE ROCKS
41.0-147.4	granodiorite porphyry (5301)
147.4-158.2	quartz-eye schist; quartz-eye tuff (5309)
158.2-181.6	granodiorite porphyry (5311)
181.6-191.0	quartz-eye schist; quartz-eye tuff

SUMMARY OF GOLD ANALYTICAL RESULTS

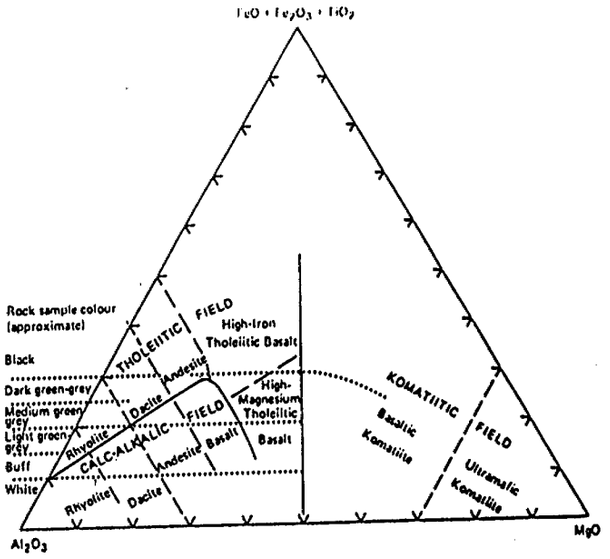
1) at 45.5-78.5 m: 45, 20, 30, 40, 65, 140, 550, 180, 130, 35, 160, 230, 170, 20 ppb; sheared pyritic granodiorite porphyry
   at 84.5-96.5 m: 150, 30, 480, 135, 15 ppb; sheared pyritic granodiorite porphyry
   at 102.5-104.0 m: 45 ppb; sheared granodiorite porphyry

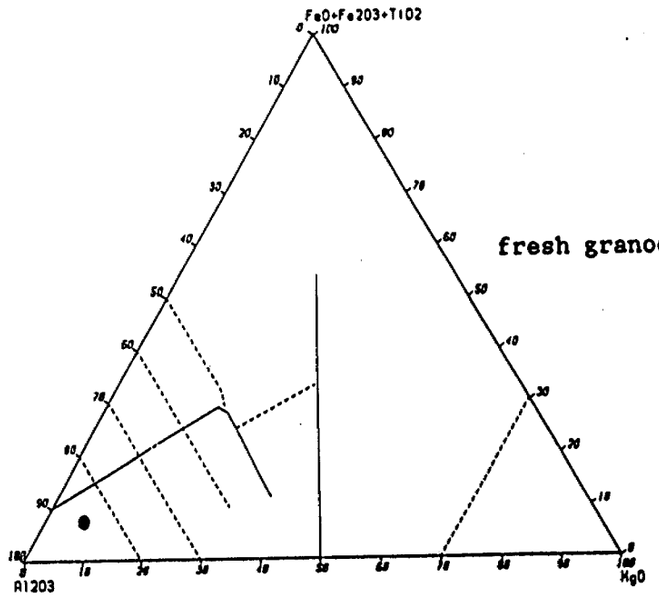
2) at 147.5-148.0 m: 25 ppb; pyritic quartz-eye tuff at contact with porphyry, punctual sample

3) at 173.3-173.8 m: 160 ppb; quartz vein with galena in fresh granodiorite porphyry, punctual sample

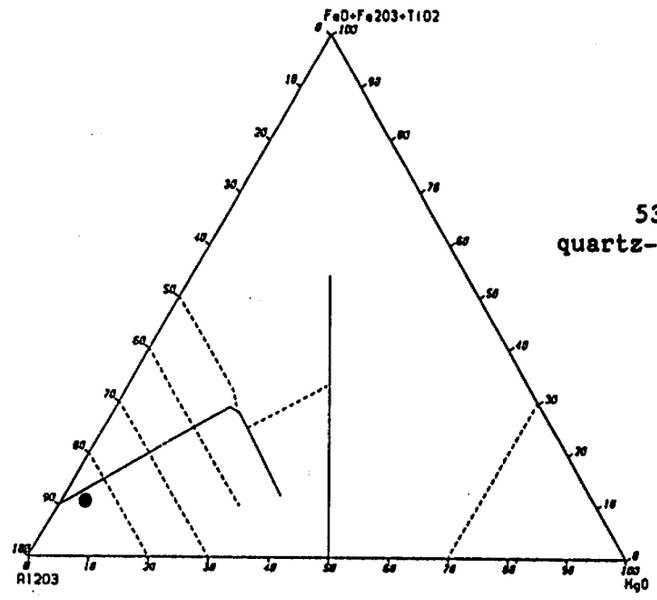
BUR-12

JENSEN CATION PLOTS





5301
fresh granodiorite porphyry



5309
quartz-eye tuff

SUMMARY LOG

BUR-13:

0 - 27.7	OVERBURDEN
27.7-188.0	MAFIC to INTERMEDIATE METAVOLCANIC ROCKS
27.7-188.0	amphibole schist; flow (5404, 5406, 5407, 5411)

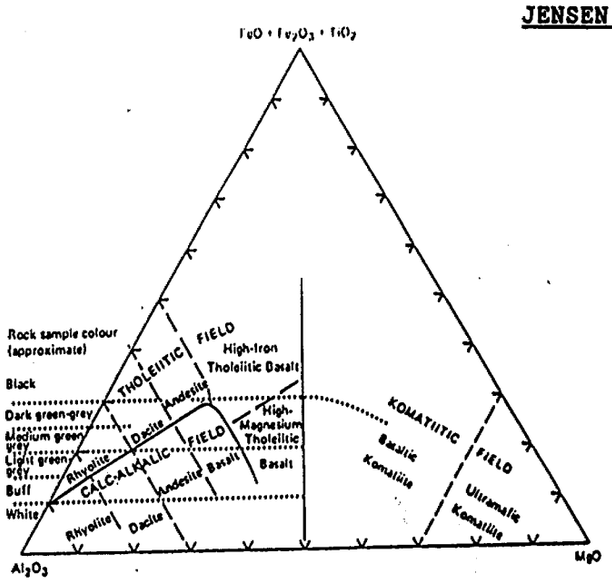
SUMMARY OF GOLD ANALYTICAL RESULTS

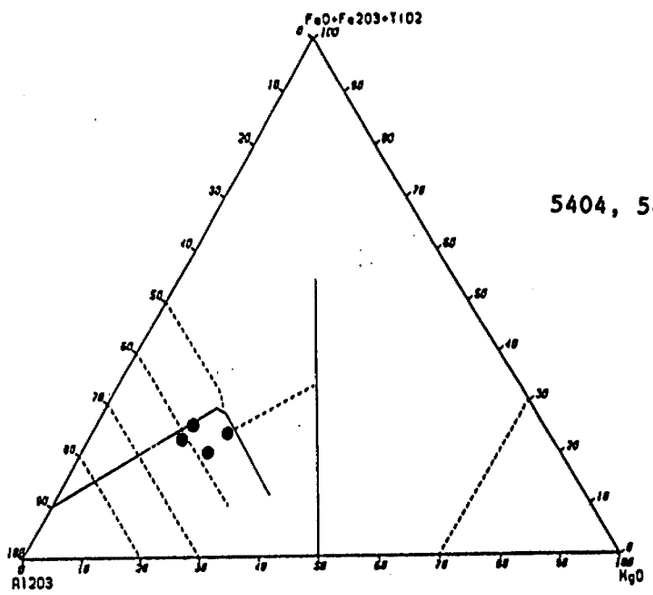
1) at 83.5-84.0 m: 260 ppb; relatively fresh schist, minor pyrite, punctual sample

2) at 187.5-188.0 m: 21 ppb; relatively fresh schist, minor pyrite, punctual sample at end of hole

BUR-13

JENSEN CATION PLOTS





5404, 5406, 5407, 5411 flows

2. FIELD LOGS

The following notes should help the reader understand the manner in which core was logged, and also includes an explanation of information which is given in the logs in abbreviated form:

COLUMN TITLE	DESCRIPTION EXPLANATION OF ABBREVIATIONS
BOX:	core box number as received from drillers
DEPTH:	depth in metres (from drill floor)
% REC:	% recovery; generally given in 3 m intervals, i.e. measured length of core between driller tags expressed as %. However, if drill core can be fitted across drill tag, zone of core loss can be more precisely determined, and we have made every effort to do so
LOG:	graphic representation of drill log; the legend we use is still at a preliminary stage and will be presented in full at a later time
GRAIN SIZE:	visual estimate of grain size; where porphyroblastic or porphyritic rock types occur, grain size of groundmass and coarser minerals given separately
TEXTURE:	macroscopic rock texture
STRUCTURES:	foliations measures in degrees to core axis, folds and other features also reported here
FRACTURES AND VEINS:	F = fracture V = vein
- Density:	where fracture or vein density prohibits individual description (eg where 10 or more fractures of same orientation occur in limited depth interval), density of fractures (or veins) are given: number of fractures (or veins) per metre
- Angle:	angle of fracture (F) or vein (V) to core axis as suffix to feature eg. F40 is a fracture at 40° to core axis; in some cases where more than one identical fracture occurs in restricted interval, we prefix with the number of fractures eg 2F40, rather than report in density column

2. FIELD LOGS (cont'd)

COLUMN TITLE	DESCRIPTION EXPLANATION OF ABBREVIATIONS
- Nature:	abbreviated description of fractures and veins including description of fracture eg RO, RØ: rough SM: smooth SS: striations, slickenslides V: vuggy H, HE: healed, recemented and also including description of minerals associated with fractures or veins, eg cb: carbonate cc: calcite ch, chl: chlorite cl: clay cpy: chalcopyrite ep: epidote fs, fspr: feldspar hem: hematite kaol: kaolinite lim: limonite mt: magnetite mu, musc: muscovite ox: oxides eg limonite, or generally rusty surfaces peg: pegmatoid po: pyrrhotite py: pyrite Q, q: quartz ser: sericite Si: very fine silica cement tm: tourmaline other common abbreviations used: Bl, bl: bleaching bkn: zones of broken core, probably natural but perhaps locally due to drillers bx: brecciation; dense fracturation of no apparent regular orientation ft: minor fault finally, we emphasize that fractures appearing on log are interpreted to be fractures; breaks parallel to foliation are generally not recorded (unless they are interpreted to be fractures) and places where the core has been broken by drillers to fit into core box are not recorded.
GEOT:	Geotechnical parameters
- F:	friability - a qualitative measure of rock competence F = friable eg core can be broken with bare hands VF = very friable eg core easily broken EF = extremely friable eg clay where this column is not filled out, hammer is needed to break core

2. FIELD LOGS (cont'd)

COLUMN TITLE	DESCRIPTION EXPLANATION OF ABBREVIATIONS
- R:	rock quality designation (RQD); a measure of fracture density commonly used in rock mechanics studies where the length of core in box in lengths of 10 cm or greater is expressed as % of one 3 m run in very fractured rock, RQD value is low, in non-fractured rock, RQD is 100; where this column is not filled out, RQD is >95%
COLOUR:	colour of core when wet lower case letters are tones: l = light m = medium d = dark capital letters are colours: B = black BL = blue BN = brown G = grey GG = greyish green/greenish grey GN = green O = orange P = pink PG = pinkish grey R = red W = white + = two colours which alternate repeatedly - = colour transitional between two colours
MINERALS AND ALTERATIONS:	a representation of occurrence of minerals of specific interest, abbreviations as for fractures and veins
SAMPLE #:	location and number of sample
TS #:	location and number of thin section
DESCRIPTION:	description given by logging geologist, we have also recorded Au analytical results here

COGEMA Canada Ltée/Ltd.

Form SDG-45

DIAMOND DRILL HOLE RECORD

BURNTBUSH RIVER PROJECT

DRILL HOLE NO.: BUR-01

CLAIM NO(S).: L789332
TOWNSHIP : Hoblitzell
DATE BEGUN : 22/02/88
COMPLETED : 25/02/88
LOGGED BY : R. St-Jean

CONTRACTOR : Les Forages Foranord
CORE SIZE : BQ
DRILL FLUIDS: H2O

COLLAR CO-ORDINATES

	GRID	UTM
X:	900W	≈581250E
Y:	1340S	≈5481900N
Z:	≈288	

DEVIATION RECORD

DEPTH	AZIMUTH	DIP	METHOD
60m		44°	HF 4%
120m		43°	HF 4%
180m		43°	HF 4%

CHECKED BY:
J.Learn, R.St-Jean, S.Ball

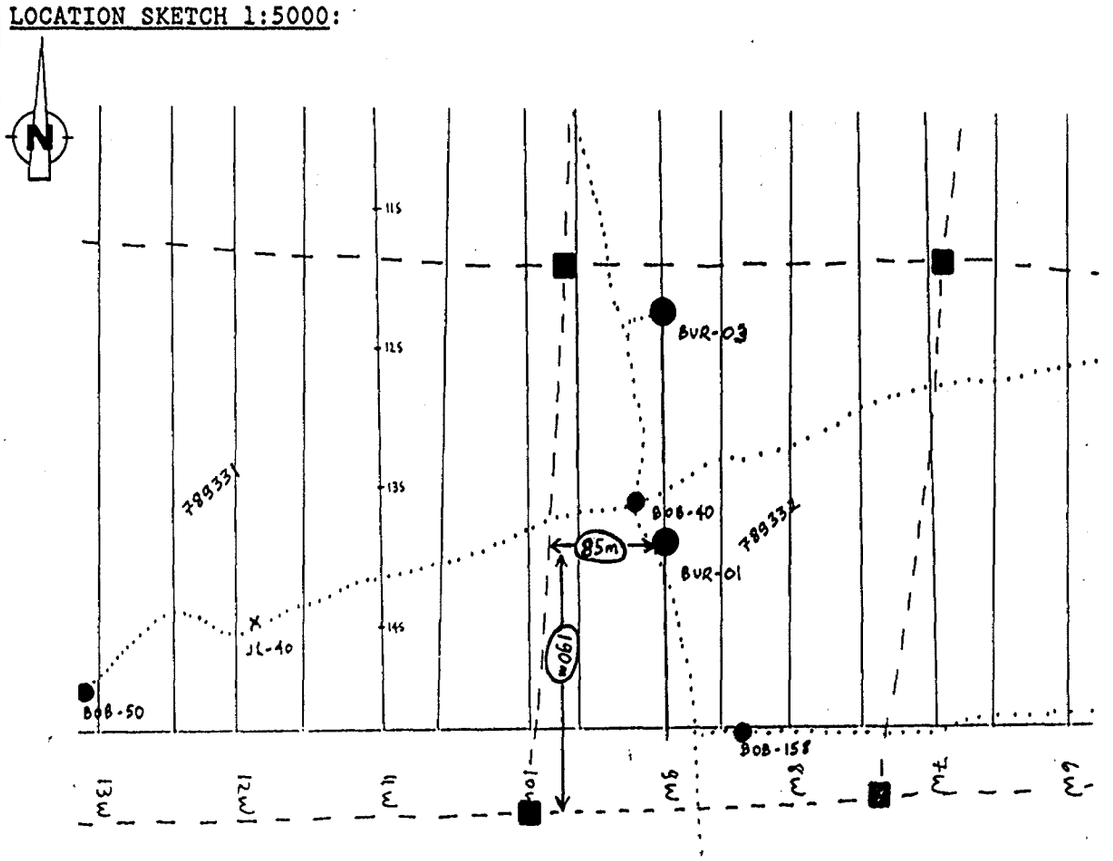
DEPARTURE: AZIMUTH: 180°
INCLINATION: -45.5°
CHECKED BY: J. Learn

DEPTHS: OVERBURDEN: 7.3m
END OF HOLE: 200m

HORIZONTAL COMPONENT: 145m
VERTICAL COMPONENT : 138m

REMARKS: ground to drill floor 0.7m, casing pulled

LOCATION SKETCH 1:5000:



COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-01
Geologist(s): R St-Jean / S. Ball
Date: 83-02-23
Page: of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot. F / R	Colour	Minerals and Alterations (py, cc, cb, cp, mt, tm, chl, cc)	Sample #	TS #	Description
	0	0													5019, 5026 envoyé pour majeures seulement
	2														max Yvon Vézina 0.3 g/t max Chimitec 45 ppb
	4														0.0 – 7.3 OVERBURDEN
	6														
	8		V V		massive	f, 70		F30; F70; F15	Ro; V,Q,Py; H,S,Ch						7.3 – 28.5 Amphibole-garnet schist Fine grained mafic flow relatively massive Amphibole and garnet porphyroblasts Strong chloritisation
1	10		V V	AMPHIBOLES	porphyroblasts	f, 65					dG-dGG				7.3 – 12.5 Rock is crenulated(?)
	12		V V	GARNET				F25	Ro				5001		0.2 19.5 – 27.7 Much quartz-calcite veining
	14	100	V V			f, 55									
2	16		V V					F35	Ro						
			V V			f, 70				4.3.3					
	18		V												

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/

Drill hole no.: BUR-01
Geologist(s): RSJ/SB
Date:
Page: of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot. F R	Colour	Minerals and Alterations	Sample #	TS #
	18													
2			V V		porphyroblastic	f,65								
	20						1cm	V40	Q, Py, cc					
			V V		massive			F60	cc, cb					
3						f,65		F55	cb, cc, cl					
	22		V V								dG-dGG			
	24		V V			f,55		F20 / F15	cc, Ro / H, cc					
								Bx / F?	cc				5444	20
			V V			f,45	?	F30 / F15	Ro / cc, Ro					
4	26		V V					F25					5445	40
			V V					F40	Ro, cb, cc					
	28		V V		porphyroblastic	f,55					dGN+B		5446	15
								Bx / F30 / F5	N, py / Ro, cb / Ro, ch					
								Bx			dG-dGG		5447	45
	30					f,50		Bx? / F45 / F55 / F15 / F30	Ro / Ro, cc / Ro, cc / Ro				5002	t
					massive								5003	t
								F25	Ro, cc, py				5004	t
	32				porphyroblastic								5005	t
								F20 / F5	cb, py / cc, cl / cc, cb / py				5006	0.2
5						f,60							5007	0.2
													5008	t
													5009	0.2
													5010	t
								F15	H				5011	t
													5012	t
	34					f,65							5013	t

Description

21.3→21.7 Fe carbonates encountered on fracture plane and in foliation vugs.

21.6-21.7 Soft clay ~ 1cm thick in fracture

23.3→24.1 Many microfractures in all directions with calcite filling

24.3→24.7 Brecciated & strongly altered rocks. Much carbonatization. Probable fault at 24.7m

28.5 - 38.75 Garnet-Amphibole schist

~~Mafic to intermediate, finegrained banded proteroclastic rock. Clasts show a good stretching (ratio 1:7?) along foliation~~

Porphyroblastic rock with garnets and amphibole

29.1→29.5 Strong bleaching along microfractures; much calcite and quartz veins.

30.0 - 38.0 2-5% finely disseminated pyrite

33.7 m good example of a stretched clast.

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BUR-01
Geologist(s): RSJ/SB
Date:
Page: of 12

Box	Depth	% Rec	Log	Grain size mm −2.5 −2.5 0	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot F	Geot R	Colour	Minerals and Alterations	Sample #	TS #	Description
	36							F30	Ro, cb cc			dG-dGG		5014		t
								F55	cb, cc					5015		t
						f, 70								5016		t
	38						1cm	V30	peg					5017		t
					massive			Bx	cc							38.5 → 38.7 Strong bleaching along microfractures, much calcite
6								F35; F60	cc (vein) cc							
	40															38.75-55.6 Amphibole schist. Fine grained massive mafic flow. Locally slightly folded. Quartz veining from 39.6-40.2 and 41.2-53.0
					porphyro blastic									5018	Sou <2	
	42															
																43.55 → 43.6 Large vugs, altered rock, bleaching
	44							F40								
7																
								V40	Q, cc							
	46	100						V25	Q, cc			dGG				
						f, 65		V45	Q, cc							
						Fold		F25								
	48															
								2F50	ss							
8	50							F30	Ro							
								F40	cc, cb ss							
	52															
								F15	M, cc							
	54															

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 11

Drill hole no.: BUR-01
Geologist(s): RSS/SB
Date:
Page: 6 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot F	Geot R	Colour	Minerals and Alterations	Sample #	TS #	Description
	54											dGG				
					massive											
					porphyroblastic							mG-dG				
9	56				massive			Bx	H				•	5019	soil N/a	55.3→60.0 Strong bleaching along microfractures, much calcite.
																55.7→55.9 Above becomes intense, Fault?
																59.4→59.6 Above becomes intense. Fault?
	58				porphyro blastic		F=15	F30	H,cc				•			55.6-89.9 Garnet amphibole schist.
													:			Fine grained mafic volcaniclastic rock.
													I			much clasts showing a good stretching
													•			along foliation.
	60											dG-mG				Generaly well foliated
								F45 F10	H,Q,cc Q,cc				• I			Some minor quartz veining or segregation. Calcite is frequent in
	62												• I			quartz veins and carbonatization
					massive											of rock is common.
								2F35	Ro				:			Some garnet and amphibole porphyroblast
10								2F30	Ro, V Q?				•			
	64					f,70		F35	Ro				I			Generaly less than 1% pyrite seen
					porphyro blastic			F20; F80 F45	Ro cc				• : •			disseminated or in small stringers
	66															* Clasts are more felsic/silicified
					massive							dG	•			than matrix
								F5	H,Q,cc				I			
11	68					f,60		F5	H,cc							
					porphyro blastic											
						f,75		2F20 3F10	Ro,cb cc Ro				•			
12								V20	Q,ch					5020	soil 5	
	72															

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-01
Geologist(s): A. St. Jean / S. Ball
Date: 88-02-25
Page: of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Géol. F	Géol. R	Colour	Minerals and Alterations	Sample #	TS #	Description
	72					f,55										
					mass							dG				74.5-75.8 Massive mafic flow
12	74															75.8-76.2 Small brecciated zone very well healed
								2F35	H,Q,ch							
								F35	Ho							
								F85	H,Q,cc							
								F10	H,Q					5021	t	
	76						6xL	6F45	H,Q,cc			mGG		5022	t	
					mass			3F30	H							
	78							F5	H							
					mass							mG-dG				
					porphyro clastic											
13	80							2F15	cc,Q,ch							
								F10	H							
		100			mass											
	82					f,65		F10	H							
					porphyrob lastic											
								2F30	H							
								F15	H							
	84															
					mass			2F10	H							
14	86															
								F25	H							
					porphyro blastic											
								F25	Q,cc,ch							
15																
	90															

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/

Drill hole no.: BUR-01
Geologist(s): RSJ/SB
Date:
Page: of 12

Box	Depth	% Rec	Log	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Colour	Sample #	TS #	Description
	90		V V	porphyrob / mass / porphyrob			F35	H				89.9 - 97.3 Garnet amphibole schist. Fine grained massive mafic flow. Less than 1% pyrite disseminated and in small stringers. Carbonatisation of rock is common. Some quartz veins and exsudats
			V V	mass			F30	Ro				
15	92		V V	porphyrob			F20	SS, Sm				
				mass			F15 / F15 / F60 / F10 / BX / F25 / F20	H / Sm / Sm / cc / py, cc / H		5023		t
	94		V V	porphyroblastic	f, 60		F35	Ro	mG-dG			
	96		V V				F25	ch, H				97.3-102.3 Amphibole schist. Mostly volcaniclastic as above
16			V V				F35	H				
	98	100	V O V				3F30	H				99.1-99.9 Discoloration along fracture
			V O V					H	dG			
	100		V O V	mass			F0	H				
			V O V				ZF30 / F35 / F10	H / Sm / H				
	102		V O V									
17	104		V V			F20	F30	H	dG-mG	5024		t 101.3-107.8 Slight bleaching along fractures. Fracturation is dense, but v. delicate and healed
	106		V V		f, 55	F=5	F0-10	H				102.3 - 200.0 Garnet amphibole schist. Mostly massive mafic flow - as above - Pyrite is generally less than 1%, disseminated and in small stringers
18	108		V V									

Minerals and Alterations: py cc cb cp ... ch cc

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BUR-01
Geologist(s): RSJ/SB
Date:
Page: of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Géot. F	Géot. R	Colour	Minerals and Alterations	Sample #	TS #	Description
	108							F35	Q, cc							
18	110															
								F15 F25	H							111.3 - 111.5 Strong bleaching along fractures
						f, 85										111.9 - 112.1 Strong bleaching along fractures
	112															
19								F55	Ro							113.4 - 113.9 Quartz segregation with calcite, chlorite and some pyrite
	114											dG-mG		5025	t	
					mass			F20	H							114.8 - 117.05 Flow breccia? Fragments seen show rotation and folding
	116							F35 F40 F25	H, Q Ro							
								F20 F25	H H							
	118	100				f, 65										
	120							2F10 F25	H Sm							
20																
	122															
21								F20 F10	Ro H							
	126															

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/

Drill hole no.: BUR-01
Geologist(s): RSJ/SB
Date:

Box	Depth	% Rec	Log	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Colour	Sample #	TS #	Description
	126		V V	mass								126.85 - 129.2 Flow breccia? as above, fragments show rotation
			V ▽	porphyrob			F55	V, py, Q		5026	n/a	
			▽ V									
21	128		V ? ▽	mass		2	F25	H				
			▽ V									
			V ▽				F30	Ro				
			V									
	130		V	porphyroblastic								131.3 - 131.9 Bleaching along fractures, carbonatation
			V	mass		5	F25	Sm				
	132		V			4	F25	Sm, Sc, cc	dG-mG			
						12	F10	5 Sm, cc				
							F30	Sm				
22				porphyrob			F25	Sm				
			V	mass	f_1 65							
	134		V				F35	Ro				
			V	porphyroblastic								135.4 - 135.8 Bleaching along fractures, carbonatation of rock
	136	100	V				F50	Ro				
				mass		4	F5-10	H				
			V	porphyroblastic								
	138		V	mass								138.5 - 139.3 Bleaching along fractures carbonatation of rock
23			V	porphyrob			F50	Ro, ch, py		5027	t	
			V	mass								
	140		V	porphyroblastic	f_1 40		F20	Sm				
			V		f_1 65		F95	Ro				
							F10	H				
			V	mass								
24			V	porphyroblastic								
	144		V	mass			F25	ch, cc				

Minerals and Alterations: py, cc, cb, cy, mt, hm, ser, chl, cc

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SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BYR-01
Geologist(s): RSJ/SB
Date: 26-2-88
Page: [redacted] of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Géot F/R	Colour	Minerals and Alterations	Sample #	TS #	Description
	144		V					F20	Ro		dG-mG				
24	146		V					F60 F15 F50	H,cc H,cc Sm,cc						
			V			f,60							5448	<5	147.15 - 147.5 Brecciated and bleached 147.3 Fracture covered with large crystals of sericite? Crystals up to 1cm!
								F30	ser,cc		mG±LBN				
	148		V					2F30 F20	H Sm				5449	10	
			V					F25	H		dG-mG				149.15 - 149.25 Brecciated and bleached
								4F25 10F30	H,cc H,cc,ch				5450	<5	149.55 - 149.70 Brecciated (healed) 150.25 - 150.60 Brecciated (healed)
	150		V					3F10	H,cc				5028	0.2	
25					mass			Bx F15	 py,cc,ch		LBN		5451	<5	151.0 - 151.9 Brecciated (healed)
								Bx			dG-mG				151.9 - 152.2 Brecciated (healed) 152.2 - 155.9 clast?
	152							Bx F25 F20	 cc,hem				5452	<5	153.8 → 155.5 Many fractures with bleaching along foliation planes.
			V			f,60									
	154	100	V					5E75 F55	H,cc Ro				5453	<5	
			V										5454	<5	156.5 → 158.0 Bleaching along microfractures
26	156		V					F85 F25 F15	ch,cc,ser Ro,cc H,cc				5029	0.3	156.2 → 165.5 1-3% pyrite, disseminated and in small stringers.
													5030	0.2	
			V			f,60							5031	t	
	158		V										5032	t	
													5033	t	
			V										5034	t	
								3F30	Sm,cc				5035	t	
													5036	t	
27	160		V			f,65							5037	t	
								F35	Ro,cc				5038	t	
			V					2F30					5039	t	
	162		V										5040	t	

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BUR-01
Geologist(s): RSJ/SB
Date:
Page: 1 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations	Sample #	TS #	Description
	162					f,85						dG-mG		5041	t	
27														5042	t	163.55-165.2 Several large white quartz "pockets" with some feldspar and pyrite.
	164						F20	Ro						5043	0.2	
							F30	Ro				W+dG		5044	t	
							F20	Ro, py, ch						5045	t	
														5046	t	166.9→167.9 Bleaching along microfractures
														5047	0.2	
	166				mass		F30	H,Q,cc, hem								
						f,75	F20	H,Q,cc, hem						5455	10	
																167.7-169.7 foliation disturbed
28	168						F30	Ro, cc, ch						5456	<5	
							F45	Sm, cc, ch								169.0→169.3 Bleaching along fractures
							F30	Ro						5457	<5	
	170						F25	cc, Q, hem				dG-mG				170.5→171.0 Small Folds
							F40	Ro								
							F20	Ro, cc								
							F40	Ro								
							F35	Ro, hem								
	172	90			porphyro blastic											
29							F30	H,Q,cc								
							F20	Ro								
	174															
					mass	f,65										
					porphyro blastic		F45	Sm, cc								
	176				mass		F30	mV				dGG				
							F30	Ro								
							Bx F5	py, cc								178.5→179.4 Bleaching along fractures; slightly brecciated
					porphyro blastic					NO RECOVERY						
30	178						F5	H, cc, Q hem								
												dG-mG				
					mass		F35	H						5458	<5	179.55 Healed fault? foliation sharply changes
						f,80	F30	Si		FAULT						
	180				porphyro									5459	<5	

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BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BUR-01 | Date:
Geologist(s): RSJ/SB | Page: 1 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations	Sample #	TS #	Description
	180		SSSSS		porphyro blastic			F30	H, cc			dG-mG				
30			V					Ft 70	Cl			dGG		5459		180.1 → 181.3 Probable fault. Much brecciation and discoloration. – Clayey gouge
								F: bxcl, lim								
	182		V		mass			F20	Ro, cc			dG-mG		5460	<5	
								Fold								
			V		porphyro blastic			Fold F40	Ro, cc					5461	5	
	184				mass			Bx - F35	cc, Ro			mGG+mBN				
								F30	Ro							
								F45	Ro, cl			dG-mG				
31			V		porphyro blastic	-1,80								5462	<5	
	186		V		mass			F30	Ro, cc			mGG				
					porphyro blastic											
			V		mass	-1,70										190.0 - 198.8 foliation disturbed
	188		V													
					porphyro blastic											
32	190	0	V					F60	cl					5463	<5	190.5 → 190.8 Bleaching along microfractures
		0						F15	Ro							191.1 1cm chert bed
		1						Bx						5464	<5	
			V									dG-mG				
	192							Bx						5465	<5	
			V		mass											
								Bx						5466	<5	
	194		V													
33			V											5467	<5	
	196		V													
								Bx	Ft 21	VF		mGG		5468	<5	
			V													
								F30	Ro, cc			dG-mG				
	198				porphyro			Bx	S 15	H, cc				5048	t	

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/

Drill hole no.: BUR-01
Geologist(s): RSJ/SB
Date:
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Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géol. F	Géol. R	Colour	Minerals and Alterations	Sample #	TS #	Description
33	198				mass			BX				dk-mG				
34		100	V							M						
					Porphyro blastic			F25	Ro,cc, Py	83				5469		<5 200.0 End of Hole
2/88	200		V													

John Law

SDG-44

COGEMA Canada Ltée/Ltd.

Form SDG-45

DIAMOND DRILL HOLE RECORD

BURNTBUSH RIVER PROJECT

DRILL HOLE NO.: BUR-03

CLAIM NO(S).: L789332
TOWNSHIP : Hoblitzell
DATE BEGUN : 25/02/88
COMPLETED : 26/02/88
LOGGED BY : R. St-Jean

CONTRACTOR : Les Forages Foranord
CORE SIZE : BQ
DRILL FLUIDS: H_2O

COLLAR CO-ORDINATES

	GRID	UTM
X:	900W	≃581250E
Y:	1175S	≃5482050N
Z:	≃287	

DEVIATION RECORD

DEPTH	AZIMUTH	DIP	METHOD
60m		45°	HF 4%
120m		43°	HF 4%

CHECKED BY: J.Learn, R.St-Jean, S.Ball

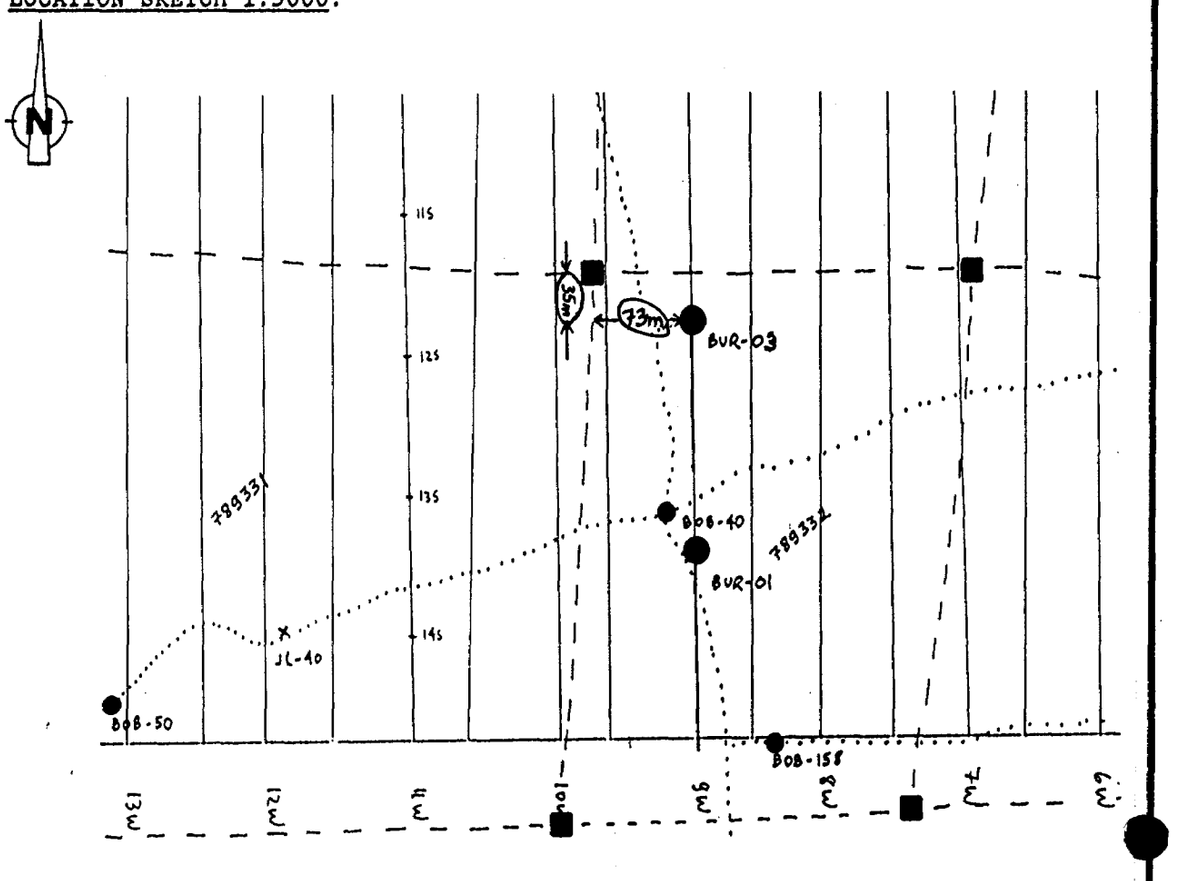
DEPARTURE: AZIMUTH: 180°
INCLINATION: -45.5°
CHECKED BY: J. Learn

DEPTHS: OVERBURDEN: 6.5m
END OF HOLE: 149.0m

HORIZONTAL COMPONENT: 107m
VERTICAL COMPONENT : 104m

REMARKS: drill floor to ground level 0.5m, casing pulled

LOCATION SKETCH 1:5000:



COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-03
Geologist(s): R-St-Jean / S. Ball
Date: 26-2-88
Page: of 9

Depth	Log	Grain size	Texture	Structures to core axis	Fractures and Veins: Dens. / Angle	Nature	Géot.	Colour	Sample #	TS #
0–6.5	(overburden)									
~7	V			f, 65	3F?, F40	cl, Ro, cl?				
~8	V				F30	H, py, cc		m-dG		
~10	V				D3F30	Ro				
~11	V				DF25	Ro, cc				
~13	V	AMPHIBOLE	PORPHYRO BLASTIC		F40	Ro, cc				
~14	V								5049	6
~15	V				F20	H, cc, hem.				
~16	V				2F35	V, Q, cc	97			
~17	V				F45	Sm				
~18	V			f, 60	F20	V, Q, cc				

Box: 1 (at ~9 m), 2 (at ~15 m). % Rec: 0 (0–6.5 m), 100 (6.5–18 m). Depth marks: 0, 2, 4, 6, 8, 10, 12, 14, 18.

Minerals and Alterations: py | cov | po | mt | ... | cc

Description

✓ tout reçu
max Yvan-Ujegna 0.2 g/t
max Chimitec 6 ppb

0.0-6.5 OVERBURDEN

6.5 - 82.1 Garnet amphibole schist
massive mafic flow medium grained
(Basalt to andesite in composition)
frequent amphiboles porphyroblasts
rare pyrite (< 1%)
few quartz veins and pockets
uniform foliation

6.5 - 24.8 very uniform texture

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-03 Date: 26-2-88
Geologist(s): R. St. Jean & S. Ball Page: of 9

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations	Sample #	TS #	Description
2	18		V	Amphibole	Porphyroblastic	f, 35	2cm	F5 V30 F40	Ro Q Ro, cc			m-dG				
	20		V					F40	Ro							21.45-21.55 Core is very coarse
3	22	100	V					F45	Ro			mG-mGG				23.6 Discoloration along microfractures
			V		mass			F35; F75 F65	Ro							
	24		V		Porphyro blastic	f, 50										24.8-41.65 Texture varies with porphyro-blast content - Few quartz
		150	V					F55 F30 F50 F10 F40	Ro H, cc Ro Ro							25.3 → 25.65 Core is broken, qtz pocket; very vuggy. Fault?
	26		V		mass											
4	28		V					F30	Ro			m-dG				
								F10 F25	Ro, cc cc							
	30		V		Porphyroblastic	f, 55										
	32	100	V				2.5cm thick	F55 V40	Ro Q, cc, cm							32.4 → 32.5 Coarse core
								F50 F10	cc, Ro					5050	0505	<2
5			V									mG-mGG				
												mG-MG				
					mass			2F30	Ro, cc							
	34		V			f, 55										

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BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-03
Geologist(s): R. St. Jean & S. Ball
Date: 26-2-88
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Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot F	Géot R	Colour	Minerals and Alterations	Sample #	TS #	Description
5	36		V		mass porphyroblastic								I •			
	38		V		mass porphyroblastic	f, 50	F=8	F30	H, cc							
6			V		mass			F60	Ro			mG-fGG				
	40		V		porphyroblastic mass			F30	Ro							41.65 - 44.40 Brecciated, relatively fine grained mafic rock no quartz veins or fractures
			V		porphyroblastic	f, 70		F45 Bx	Q, cc							
	42		V		mass			F60 Bx F40	cc Ivis (5mm) G Ro, cc				I	5051	t	42.1 - 47.0 Many microfractures with bleaching
	44		V					F40	Ro							44.4 - 82.1 Massive - very fine pyrite
7			V													
	46		V		PORPHYROBLASTIC							dG-mG				
		100				f, 65		F30 F30	Ro, cc H, bio cc							45.5 - 47.5 several fractures or veins with qtz, calcite + biotite ! (Fracture are healed)
	48		V					F70 F55 F65	Ro cc							
	50		V		mass			F25	Ro							
8			V													
	52		V					F30	cc				• • •	5052	t	53.0 - 57.3 Reddish brown garnet porphyroblast forming up to 25% of rock content
9	54		V		CONTACT PORPHYROBLASTIC							dG+dB				

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-03
Geologist(s): RSJ/SB
Date: 26-2-88
Page: of 9

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Géot. F	Géot. R	Colour	Minerals and Alterations	Sample #	TS #	Description
	54		V			f,70		F20	Ro,cc							54.5-57.7 Strongly magnetic
			V					F25	cc,tim							
9	56		V					2F60	Sm,cc			dG+dB				
			V					F50	lim							
	58		V			f,50		F35								58.75-58.85 foliation is parallel to fracturation
			V					3F40	Q,cc							
			V			f,60		F40	H,Q,cc			dG				60.0 Fracture no Healed
	60							F55	cb-Ro,cc							
								F15	H,cb							
			V										I	5053	0.2	61.2-61.5 Healed breccia?
10	62		V					10F35 F45	cc,Ro							63.3-63.8 Foliation is following parallel to main fracturation
			V		PORPHYROBLASTIC	f,25	M	14F25	H,cc							
	64	100	V					F30	Ro,cc							
			V			f,50		F50	Ro							
	66		V									dGG				
			V													
11	68		V					F40	Ro							
			V			f,65		F35	Sm							
								F30	Ro							
			V					F30	cc							
								F20	Ro							
			V					F45	Sm,ss							
			V					F25	Sm,cc							70.3-70.8 Healed breccia
			XXX					F30	Ro							
12	72		V					F55	Ro,cc							
			V					F25	cc							

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BUR-03 Date: 26-2-88
Geologist(s): R.St.Jean & S. Ball Page: 6 of 9

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot F	Géot R	Colour	Minerals and Alterations	Sample #	TS #	Description
	72		V		PORPHYROBLASTIC			F30	Sm,cc							
	74		V			f,60		F25	Sm,Ss, cc			dGG				
12			V					F40	Sm,cc lim							75.9-76.2 Healed breccia
	76		V		mass							dG-dB		5054	t	
	78		V					F45 F30	Ro cc Ro cc,lim							77.1-82.1 Massive mafic rock with up to 10% reddish brown garnets
			V		PORPHYROBLASTIC							dGG+mB				
13	80		V			f,55		F15	Ro,cc lim							
			V													82.1-95.0 Garnet amphibole schist, fine grained, banded mafic flow Andesite to basalt in composition few porphyroblasts, few quartz pockets or veins rare pyrite
	82	100	V					F10	Ro							
			V					Ft65	cl	vf						
			V					F65	cc					5055	5	
	84		V		mass	f,60		F45	Sm,Ss							
			V					F55	cc;Ro			mG				
14	86		V													
			V		Porphyro blastic			F25	Ro,cc							
			V		mass	f,60		F60	Ro,cc							
15	90		V													

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BURNTBUSH RIVER PROJECT

LOG 11/00

Drill hole no.: BUR-03 Date: 26-2-88
Geologist(s): R-St. Jean & S. Ball Page: of 9

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations	Sample #	TS #	Description
	90		V					F30	Ro							
			V					F30	Q, H, cc, ch							
								2F30	H, cc							
15	92		V		mass			F20	Ro							
								F40	Ro, cc							
			V									mG		5056		t
	94		V													95.0 - 110.35 Garnet amphibole schist, medium to fine grained, massive mafic flow ≤1% pyrite in quartz pockets Amphiboles porphyroblastic.
			V		Porphyro blastic			F15	Ro				I			
								F30	Ro, cc							
	96		V			4.55		F30	cc			mG-dG				
					mass			F15	H, ch							
16	98		V					F35	H, cc							
		102	V													
	100		V		PORPHYROBLASTIC			F20	H, cc							
								F45	H, Q, cc							
			V					F10	Q, V, cc, ch, py							
	102		V					F10	Ro, cc							102.7 - 104.4 Quartz pockets representing healed breccia
								2F30	H, ch							
								3F25	H, Q, cc							
								F30	Ro, cc							
17								F40	Ro							
	104				mass			2F40	Ro, cc							
								F20	Ro, cc							
								F30	Sm, cc							
			V													
			V													
			V					2F15	Ro, cc			mG-dGG				
18			V		PORPHYROBLASTIC			2F30	H, ch, cc, Q							
	108		V					F35	Ro				I			

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BUR-03 Date: [illegible]-2-88
Geologist(s): Page: 1 of 9

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Géot F	Géot R	Colour	Minerals and Alterations py cpy po mt ser cc	Sample #	TS #	Description
	108		V													
			V		porphyroblastic			F15	M, Qch, cc							
18	110		V			f, 60		F15	M, Qchcc							
								F45	Ro							
			V					F30	Ro, cc			mG-dGG				
			V		mass											
					porphyro blastic			F20	Ro							
	112		V													
								F10	Ro cc							
								F35	Ro							
			V					F25	Ro							
	114							F50	Q, cc ch py							
			V													
19								F60	Ro, cc							
								Bx F20	Ro cc							
			V			f, 55										
	116				mass											
			V					F30	Ro, cc							
												dG-mG				
		100	V					F30	Ro, cc							
	118															
								F40	Sm, cc							
								Bx?								
								F35	M, cc							
			V					F50	Ro, cc,							
								F40	Ro, cc, Bx							
	120															
			V					F40	Ro cc							
						f, 65		F40	Ro cc							
								F40	Sm							
	122		V													122.25 - 126.2 Porphyroblastic amphibolite
20								F25	M, Qcc							
			V			f, 50										
								F25	Ro, cc, chl, lim							
								F25	Ro, cc chl, lim							
			V					F40	Ro cc							
								F40	Ro			mG+dGG				
			V		mass	f, 40		F45	Ro cc							
	126		V					F35	Ro							

110.35 - 134.6 Garnet amphibole schist, fine grained, banded mafic flow. Few amphibole porphyroblasts. Some quartz veins, some disseminated pyrite ≤ 1%

112.1 - 112.7 Sericite - chlorite? alteration along fractures and foliation planes.

114.7 - 115.3 Alteration along fracture and foliation planes.

122.25 - 126.2 Porphyroblastic amphibolites

125.7 - 134.6 Zone with intense bleaching and alteration along foliation planes and fractures.

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/

Drill hole no.: BUR-03
Geologist(s):
Date: [redacted]

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot. F R	Colour	Minerals and Alterations (py, cpy, po, mt … ser, cc)	Sample #	TS #	Description
	126		V		mass			F15 / F70	Ro cc / V, Q, cc, ser		mG+lGG				
21			V		porphyroblastic	f1 60									
	128							F65 / F45 / F20 / F20 / F35 / F25	Ro cc / Ro, cc, ch / Ro cc / Ro cc / H, Q, cc, ch						
			V			f1 65									
	130		V			f2 55		Bx / Bx / Bx	H		lG+lGG		5057	5057	<2
					mass			Bx-F55 / F65 Bx	H, cc / H, cc, Q						
22	132		V												
			V			f1 65		F30	Ro, cc		mG+lGG		5058		t 134.6-149.0 Amphibole schist
	134		V												medium to fine grained massive mafic flow; large amphibole porphyroblasts; rare pyrite <1%; few quartz veins or pockets
	136		V					F30 / F35	Ro, cc / Ro cc						
			V			f1 45		F30 / F60 / F30	Q, cc / Ro cc / Ro cc lim		mG				
23	138		V												
	140		V		PORPHYROBLAST.			F30 / F35	Ro, cc lim / Ro cc						
			V								mG-dG				
	144		V												

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BUR-03 Date:
Geologist(s): Page: of 9

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations py cpy po mt cc	Sample #	TS #	Description
	144		V					F40	Ro,lim							
			V					F40	H,Qsb,cc					5059		t
24	146	100	V		PORPHYROBLASTIC	f,47		F30	Q,cc,lim			m.G				
			V					F45								
	148		V					DF5	Ro,cc							149.0 End Of Hole.
25			V													
	150															

John Leth

-02
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COGEMA Canada Ltée/Ltd.

Form SDG-45

DIAMOND DRILL HOLE RECORD

BURNTBUSH RIVER PROJECT

DRILL HOLE NO.: BUR-04

CLAIM NO(S).: L789335
TOWNSHIP : Hoblitzell
DATE BEGUN : 26/02/88
COMPLETED : 29/02/88
LOGGED BY : R. St-Jean

CONTRACTOR : Les Forages Foranord
CORE SIZE : BQ
DRILL FLUIDS: H2O

COLLAR CO-ORDINATES

	GRID	UTM
X:	900W	≈581250E
Y:	775S	≈5482450N
Z:	≈282	

DEVIATION RECORD

DEPTH	AZIMUTH	DIP	METHOD
60m		45°	HF 4%
120m		44°	HF 4%
180m		43°	HF 4%

CHECKED BY: J.Learn, R.St-Jean, S.Ball

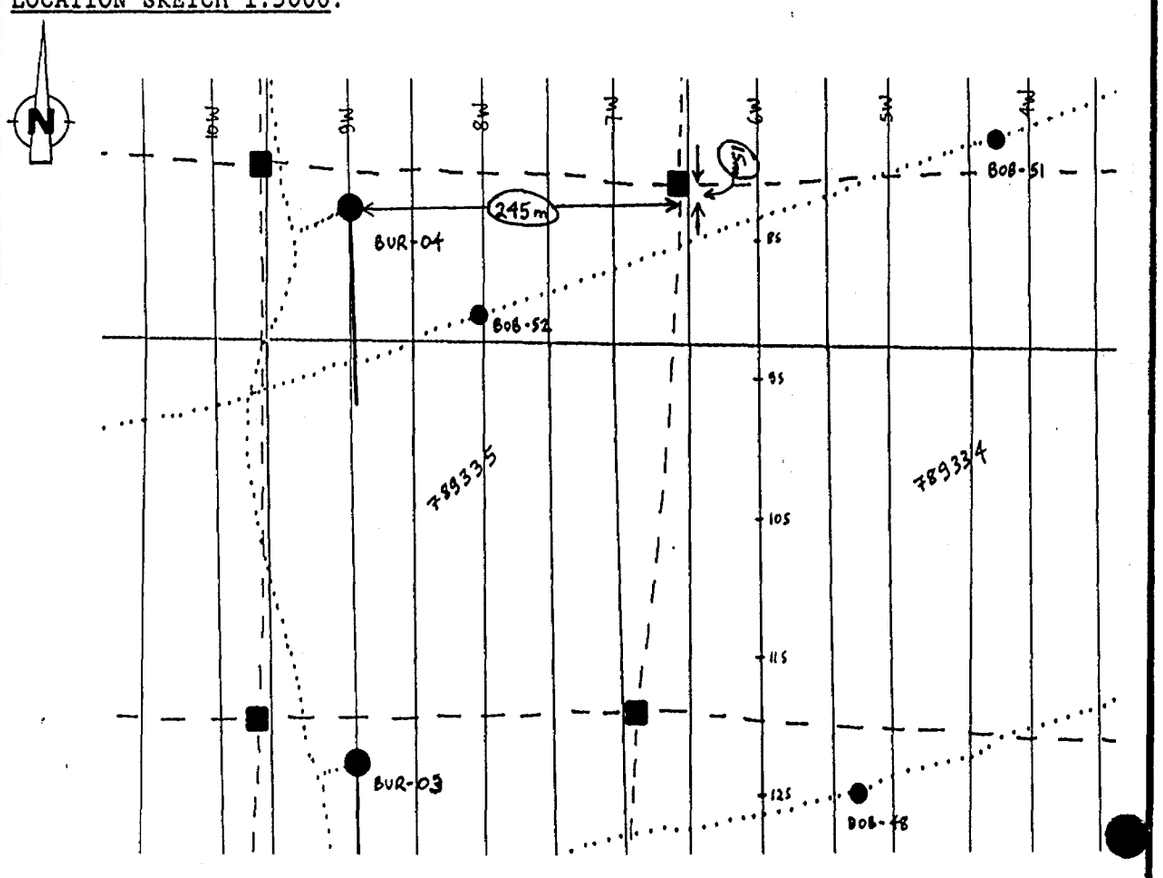
DEPARTURE: AZIMUTH: 178°
INCLINATION: -45.5°
CHECKED BY: J. Learn

DEPTHS: OVERBURDEN: 7.3m
END OF HOLE: 200.0m

HORIZONTAL COMPONENT: 143m
VERTICAL COMPONENT : 140m

REMARKS: drill floor to ground level 0.4m, casing pulled

LOCATION SKETCH 1:5000:



COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-0
Geologist(s): R. St-Jean + S.A. Bail
Date: 28-2-88

Depth	Log	Grain size / Texture	Structures to core axis	Fractures and Veins	Géot.	Colour	Minerals and Alterations	Sample #	Description
0–7.3	(overburden)								✓ envoyé pour magnétisme seulement: 5068 max Yvan Vezina 0.2 g/t max Chimitec 60 ppb 0.0-7.3 OVERBURDEN
8	V V	GARNET; PORPHYROBLASTIC		F30 Ro; F30 Ro, lim; F25 Ro, lim; F20 Ro; Ft?				5351	<5
								5352	<5 7.3-25.15 Garnet-Amphibole schist, medium to fine grained massive mafic flow. Foliation is weak but regular.
10	V V	mass	f, 80	F15 Ro, py; F30 Ro lim; Ft?	32.0			5353	<5 Few garnet and rare amphiboles porphyroblasts.
	V V	PORPHYROBLASTIC	f, 85	F40 py Q H		m-dG		5060	t Pyritisation starts at 10.8 m and is
12	V V			F70 py	50			5355	5 seen in foliation planes along fractures and in brecciated zones. -> Basalt to andesite composition.
14	V V		f, 75	F65 py; F25 V, Q				5356	10 14.9 Fracture filling material is porous
		mass		Bx H, Q; BF15 V.Q; F10 H, Q	53.3	m-dGG		5357	40 14.0-14.3, 15.3-16.8, 17.6-18.4, 21.9-22.8, 23.0-23.9, 24.9-25.15 : Very strong pyritisation - up to 10% pyrite-pyrrhotite elsewhere; 1-3% pyrite-pyrrhotite
16	V V		f, 65			m-dG		5358	10
	V V				70.0			5061	t
18								5359	

Core box: 1 (at 10 m), 2 (at 15 m). Recovery: 100.

* mag -> mag not be mt or po

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR-
Geologist(s) R Stevens & S. Ball
Date: 28-2-88
Page: 2 of 12

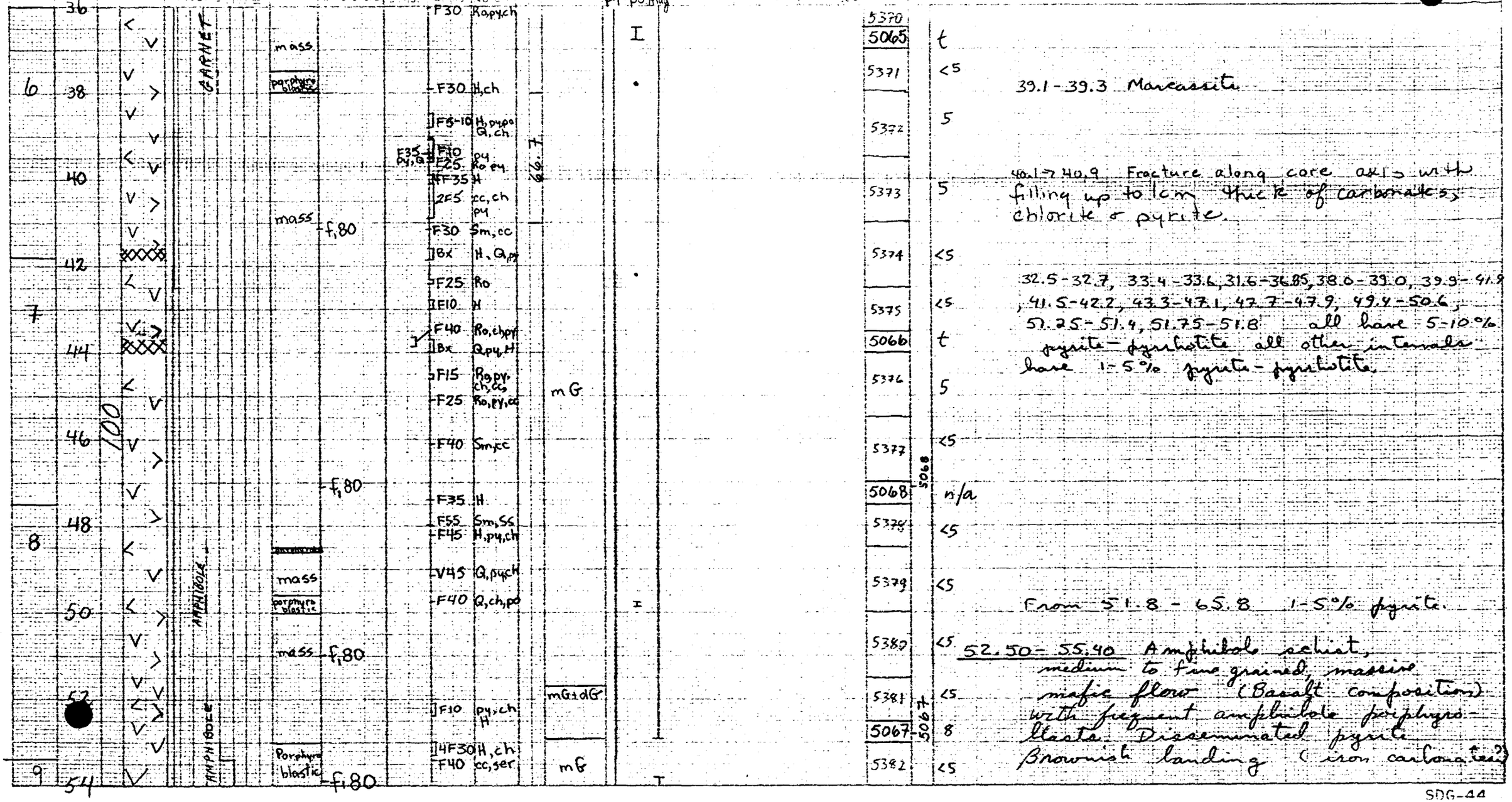
Sample #	TS #	Description
5359	15	18.1 → 18.35 Core is brecciated.
5360	60	19.95 → 20.75 Core is brecciated.
5361	10	21.65 → 22.0 Core is brecciated
5362	15	
5363	45	**25.15 - 30.40** Amphibole schist Fine grained Pillowed basalt or brecciated mafic flow.
5062	24	5062
5364	5	foliation is disturbed or very
5063	t	weak. Pyritisation is strong
5365	25	(3-10%) and along foliation planes and in brecciated zones. Frequent pyrite stringers ≤ 1cm thick sometimes "porous" - vuggy -
5366	15	
5367	15	**30.40 - 52.50** Garnet - amphibole schist, medium to fine grained, massive intermediate to mafic flow, showing weak but regular foliation.
5064	t	Several brecciated intervals (top flow breccia ?)
5368	5	Pyritisation is generally strong and develops in foliation planes and in breccia zones with garnets show lowest pyrite content.
5369	15	Quartz is present only in brecciated intervals
5370	<5	

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 11

Drill hole no.: BUR-0[illegible]
Geologist(s): R. St Jean & S. Ball
Date: 28-2-88
Page: 3 of 12



SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 17

Drill hole no.: BUR-04
Geologist(s)

Date: 28-2-88
Page: 4 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures: to core axis	Fractures and Veins: Dens.	Angle	Nature	Geot F	Geot R	Colour	Minerals and Alterations: py	po	magn	cc	Sample #	TS #	Description
	54				porphyro blastic							mG					5382		
					mass			F25	Ro cc										55.4-74.1 Garnet-Amphibole Schist
								F25	py,ch										Fine grained, intermediate to mafic, banded flow
					Porphyroblastic												5383	<5	Good foliation and flow banding?
	56																		parallel to foliation.
9					mass	f,75											5069	t	Pyrite is found disseminated
					porphyroblastic			F30	H,cc								5384	<5	and in stringers and rivulets
					mass														in foliation planes.
	58							F20	py,ch										
																	5385	<5	Few quartz veining
												mG-dG							56.40-56.55 Quartz pocket
						f,85													56.55-56.65 Fold.
	60																5386	<5	
																	5070	t	
								F25	py cc										
	62																5387	<5	
10					PORPHYROBLASTIC														
																	5388	<5	
	64							F45	Ro py										
								F40	Ro										65.8 - 74.1 ≤ 1% pyrite
						f,70		F5	H cc							I	5389	<5	
					mass														
	66																5390	<5	
								2F30	cc py										
								F10	H			mG-fG							
11	68																5391	<5	
																	5071	t	
						f,75													
																	5392	<5	
	70																		
												mG-dG							
12					PORPHYROBLASTIC			F50	Ro cc										
	72							F30	cc,chl								5393	<5	

AMPHIBOLE
GARNET

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-0
Geologist(s):

Date: 28-2-88
Page: 5 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations: pyl po	Sample #	TS #	Description
	72		< V	GARNETS	PORPHYROBLASTIC	f,85		F25	Ro,py,cc			mG-dG		5394		<5
			V >					F10	Ro,cc,py,ch	53						72.5→74.1 Garnets show increasing flattening ratio up to 15:1.
	74		^ ^			f,70		F30	cc							
								12 F30	cc, H			dG-dGG		5395		<5
12					mass			F5-10	cc,ch,py			mG+dG				74.1-124.9 Massive felsic flow rock
			^ ^					6 F55	cc							Dacitic porphyry composition
								F35	py,cc,ch	38				5396		<5
	76		π ^			f,75								5072		t Sodic? plagioclase porphyras seen
			^ π					F25	cc,py,ch							in almost all flow.
			^ ^			f,60		6 F20	H,cc,ch					5397		<5 Few quartz veining, calcite is in foliation planes.
	78		π π		PORPHYRITIC											Pyrite is in foliation and disseminated
								F10	Ro,lim	37						mainly in upper part of flow.
								F10	Ro,lim	47				5398		<5 Plagioclase porphyroclasts are consistently
13			^ π													stretched by foliation.
	80							F50	peg(Vein?) po							74.1-75.9 Strongly sheared
			π ^					F35	py,cc					5399		<5 75.9-94.5 Sheared and generally folded rock
			π ^					F25	cc							Generally strong pyritization up to 3% pyrite in foliation planes.
					mass									5400		25
	82		π ^		mass	porphyry				700			~3%			
														5412		<5 78.2-78.9 Core is broken - Fault?
			^ π		mass							mG-dG		5074	5074	3
			^											5073		t 84.7→84.9 Core is broken
	84		π ^	PHENOS	porphyry			F25	Ro,cc,py,ch							
14								FT?30	lim,py,cc,qv	90				5413		<5 85.1→85.2 Core is broken
								F55	cc							
								?FT45	cc							
	86		^		mass			FH5	Ro,cc							
								F60	Ro,musc					5414		<5
			^					F25	Ro,cc,ch,lim							
								F5	cc,py,ch							
	88		^					F35	py,cc,ch					5415		<5
			^					F30	Ro,cc							
15																
			^											5416		<5
	90		π		porphyry											

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-[illegible] Date:
Geologist(s): R-ST-Jean, S. Boily Page: 6 of 12

Box	Depth	% Rec	Log	Grain size mm	Fractures	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot. F. S.	Colour	Minerals and Alterations	Sample #	TS #	Description
	90		π								mG-lG	py po imag. CC	5417	5	
15	92		π	PHENOCRYSTS	porphyry		F40		Ro, cc			~3%			
							F15		H				5418	<5	
	94		π				F30		ch, Ro, cc, py				5419	<5	94.5-115.4 Rock is still sheared but less altered Pyrite is generaly less than 1% and disseminated.
					mass		F30		Ro, cc, py, ch						
							F35		ch, py				5420	<5	
							F5		Ro, cc, ch						
	96		π				F55		cc, ch		mG+dG				
16					porphyry	f, 85?							5421	<5	Plagioclase porphyrys show a very clear streching along foliation.
	98		π										5422	<5	
							F20		Sm, cc, py						
			π										5423	<5	101.0 Euhedral Quartz crystals
	100						F30		Ro						
			π				F15		H, py				5424	<5	
							F20		Q						
	102														
17			π										5425	<5	
							F25		Ro						
							F35		Ro						
	104						F40		H, ch		dG		5426	<5	
							F45		H ch				5075 A 5075 B		
			π			f, 85							5075	<2	
							F3 F45		H ch						
	106						F20		H						107.35 Foliation bends along fracture.
			π										5427	<5	→108.05
18							F40		H, cc						
							F40		Sm, cc						
							F45		Sm, cc						
							F30		H, ch						
	108					f, 60							5428	<5	
						F5, H, cc			F60			H, cc			

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-C
Geologist(s): R. St-Jean, S. Ball
Date:
Page: 7 of 12

Box	Depth	% Rec	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Géot. F	Géot. R	Colour	Minerals and Alterations	Sample	TS	Description
	108				f, 60		F60	Ro, ch, cc					5428		
18							F5	H					5429	20	
	110						F40	H							
							F70	Ro, peg					5430	<5	111.5 Foliation follows vein
				porphyry	f, 80	4	F40	H, cc							
					f, 45	V	45	Q, ch							
	112		PHENOCRYSTS				F70	Ro, cc, py, ch			mGrdG				
							F10	H					5431	<5	
							F20	cc, H							
					f, 85	2	F35	Sm							
19	114						F20	Ro, cc					5432	<5	114.7 → 117.1 Foliation is disturbed by fracturation.
							F25	cc, Ro							
						V	65	Q, ch, py							
						6	F30	H, cc					5433	<5	115.4 Rock becomes more altered shearing is more intense
	116				f, 65		F25	Ro							
							F45	Ro							
				mass			F40	Sm					5076	t	116.9 - 117.9 Several quartz veins perturbed foliation
						3	F20	H							
					f, 60		F15	H, Q							
2-88							F70	Ro					5434	<5	
	118						F20	Ro							
		100					F15	Ro							
						3	F40	Sm, cc					5435	<5	
	120			PORPHYRITIC	f, 85	4	F30	H, cc							
							F30	Sm, cc							
20							F15	Ro					5436	<5	
							F15	H, cc							
	122												5437	5	122.5 → 124.9 Many bleached microfractures. Microfracturation becomes very intense as we move towards contact at 124.9m. → Strong shearing, bleaching
						3	F30	H, ch							
							F25	Ro, cc, py, ch							
				mass			F30	H, cc					5438	5	
	124			porphyry	f, 80		F15	H			dGrmGG		5077	t	
							F20	Ro, cc					5439	10	
21							F40	cc, ch							
				porphyra blastic			F15	Ro, cc, py				x	5078	t	
	126				2 F30 H, cc →		F30	cc					5440	<5	
							F40	Sm, cc							

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 11/00

Drill hole no.: BUR-
Geologist(s): P-St-Jean, S. Ball
Date:
Page: 8 of 12

Box	Depth	% Rec	Log	Grain size mm	Textures	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geol F	Geol R	Colour	Minerals and Alterations	Sample #	TS #	Description
	126		V		Porphyro blastic			F40	H,cc		N.			5440		<5 124.9-178.0 Garnet-amphibole schist, medium to fine, massive, intermediate
21			>					FOLDS			0.6	dG+mGG				to mafic flow. (Basalt to andesite)
	128		<		mass	f,85								5441		<5 Strong foliation shown by alignement
			V													of amphiboles and stretching of garnets.
								Ft	Bx	F,YE		l-m GG				Garnets are seen at top (125.2-127.2)
			V					F30	Ro,cc		O.	dG-mGG		5442		<5 and at base (174.0-178.0) of flow.
								F40	H,cc							Pyrite is disseminated and also
	130		>					6F25	H,cc		0.6					in rare small stringers.
														5443		<5
			<					4F20	H,cc			dG-mG				
			V					F30	Ro,cc,hm					5079		t Foliation is relatively regular.
22	132															
			<					F85	Bx,cc							124.9-129.9 Strongly sheared, bleached
								Bx	H							127.15-128.25 Very strongly sheared,
						f,60		F20	Sm,Ss							tightly folded. -
	134		V													128.6-129.0 Fault - clay gouge, breccia
								2F20	H							
			V					F30	Ro,cc,hm							127.15-129.0 Mylonite?
								F25	H							
	136		>					F45	H,cc							
								F45	Ro							
			V					2F20	H,cc							
								Bx	H,cc							
23	138							F25	H							
			>					2F10	H,cc							
			<													
	140															
			V													
	142		V													
			>													
24								F50	ch, Ro,cc							
			<					F50	H,cc			mGG+dG				
	144							F40	H,cc							

143.1 → 144.4 Intense bleaching along microfractures
144.1-144.7 Quartz veining, breccia

AMPHIBOLITE

PORPHYROBLASTIC

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 11

Drill hole no.: BUR-[illegible] Date:
Geologist(s): R. St. Jean; S. Ball Page: 9 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures core axis	Lens.	Fractures and Veins Angle	Nature	Geot.	Colour	Minerals and Alterations py po mag cc	Sample #	TS #	Description
	144							BX	H		mGG+dG				
			V					F3	Sm,cc, py,ch						
								F50	Sm,cc, ch.						
24								2F30	H,cc		m-dG				
								5F35	H,cc						
	146		>					F80	Bx,H,cc py,ch						
								F30	Ro,cc ch						
								5F50	H,cc				5080	0.2	
			<												
								3F15	H						
	148		V												
								F35	Ro,cc						
25			<												
								2F40	Ro,cc						
	150							4F40	Sm,cc ch						
			V												
								F40	Sm,cc						151.0-151.7 Quartz veining slightly transposes foliation
								2F10	cc,ch						
			V					F30	Ro,cc ch, PY						
	152		>					F10	Ro,H cc,py, ch						
								3F25	H,cc						
		100	V	AMPHIBOLITE	PORPHYROBLASTIC										
	154		>					F30	cc,ch H, PY						
								F35	Ro,cc						
						f,75		F30	Ro,cc py,ch						
			<												
26															
	156		V												
			<					J.F20	H,cc						
								F40	cc,hm						
								~~F30~~	Bx,H						
								3F10	H,cc				5081	0.2	
	158		>												
			V			f,65		F20	Ro,cc, hm						
						f,50		F30	cc,hm						
			V					F25	cc,						
								F10	H,cc						
			<												
27															
			V					F50	Ro,py cc						
	167							F25	Ro,cc hem						

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/

Drill hole no. BUR-
Geologist(s) R. St. Jean, S. Ball
Date:

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot. F R	Colour	Minerals and Alterations (py, po, mag, …, cc)	Sample #	TS #	Description
	162														
27			V	AMPHIBOLE	PORPHYROBLASTIC			F20	Ro, cc, hem						162.6 - 163.1 Quartz + pegmatitic material in vein
			>					F40	Ro, cc, py						
								F45	Sm, cc, ch						
	164							F35	cc, hm						
			<					F55	H, cc						
			V			f, 70									
	166		<												
28			>					F15	Ro, cc, hm						
								F50	Ro, cc						
	168		V					F40	Ro, cc			<1%			
			V												
			<				3	F30	Bx, H, cc						
								F40	Ro						
								F35	cc, Ro						
	170		V								m-d G		5082	5082	<2
							5	F45	Ro, cc						
								F15	cc, hm						
		100	V				6	F20	H, cc						
	172		>					F25	Ro, cc						
29			V		mass										
	174		V	GARNET	PORPHYROBLASTC							<1%	5083		t — 174.0 - 174.5 Quartz veining, strong pyritisation
			<												
	176		V					F35	ch, py, Ro, cc					5084	174.0 - 178.0 Garnets forming up to 20% of rock, garnets show streching by foliation
								F40	Ro, cc				5084		<2
			<												178.0 → 179.1 Core is broken. Fault?
			>			f, 80		F50	Ro, cc						
								F40	H, Bx						
30	178		∧ π												
			V >												
			π ∧			f, 50							5085		t
			< V												
	180		π ∧					F25	cc, py						

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-04 Date:
Geologist(s): R. St-Jean, S. Ball Page: 11 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot. Sta.	Colour	Minerals and Alterations py po mag cc	Sample #	TS #	Description
	180		V >				3	F30	cc, H		m-dG				178.0 - 193.45 Mixed unit of rapidly alternating massive mafic flow. (basalt - andesite) and massive porphyritic intermediate to felsic flow (dacite?) Alternances are on a centimetric to decimetric scale. The mafic rock show presence of porphyroblastic amphiboles and occasional garnets. The felsic rock show plagioclase phenocrysts. The unit is apparently more mafic (toward top of hole) becoming more felsic (toward botton of hole). Pyrite is disseminated and generally less than 1%. Foliation is weak but regular.
			< π				F60	Ro, cc							
			V >				4	F15	cc		mG				
	182							F10	H, cc				5086	5086	<2
			Λ π									I			
			V >					F10	H, cc, ch						
31															
	184		π Λ			f, 60		F45	Ro, cc						
			V >					F45	H, cc, Bx?						
			Λ π					F25	H, Q, cc						
								F30	ch, H, Q, cc cr.						
	186		V >												
			V				12	F30	Ro, cc						
			π Λ					F10	Ro, cc						
			V >												
	188														
			π Λ					F45	Ro, cc, ch		dG-mG				
		100	< V												
32	190		Λ π					F25	cc, ch						
			V >				2	F45	cc						
			π Λ					F35	Ro, cc						
								F35	Ro, cc						
			<					F40	Ro, cc						
								F40	H, cc						
								3F40	cc, ch, H						
	192		V >				2	F50	cc						
							8	F35	H, cc		mG-dG				
			π												
			Λ												
				mass											
	194		V			f, 85		F30	Ro, cc						
								F40	Bx, cc				5087		0.2
			V					F5;	H, cc.						
								F30	cc, py		dG-dGG				
33															
			V					F45	Ro, py						
								F70							
			V					F30	H, cc						
	198														

AMPHIBOLE CARBONATE
PORPHYROBLASTIC
AMPHIBOLE FELDSPAR PHENOCRYSTS

193.45 - 200.00 Garnet amphibole schist.
Fine to medium grained, massive mafic to Amphiboles and garnets porphyroblasts.
Foliation is strong to moderate and is shown by the alignement of amphiboles and by the stretching of garnets.

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 11

Drill hole no.: BUR-84
Geologist(s): R. St-Jean, S. Ball
Date:
Page 12 of 12

Box	Depth	% Rec	Log	Grain size mm (—VC — C — M — F — VF)	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Geol. F	Geol. R	Colour	Minerals and Alterations: py	po	mag	cc	Sample #	TS #	Description
	198							JF10	Ro cc			dG-dGG	-						
		100	V																
		100	V																
34				Intensely Fractured (3-5%)		-f,65		-F65					•						200.0 End Of Hole.
	200		V																
	202																		
	204																		
	206																		
	208																		
	210																		

John St-Jean

12-88

SDG-44

COGEMA Canada Ltée/Ltd.

Form SDG-45

DIAMOND DRILL HOLE RECORD

BURNTBUSH RIVER PROJECT

DRILL HOLE NO.: BUR-09

CLAIM NO(S).: L789318
TOWNSHIP : Hoblitzell
DATE BEGUN : 15/03/88
COMPLETED : 18/03/88
LOGGED BY : R. St-Jean

CONTRACTOR : Les Forages Foranord
CORE SIZE : BQ
DRILL FLUIDS: H_2O

COLLAR CO-ORDINATES

	GRID	UTM
X:	2000W	≃580150E
Y:	325S	≃5482900N
Z:	≃288	

DEVIATION RECORD

DEPTH	AZIMUTH	DIP	METHOD
60m		43°	HF 4%
120m		42°	HF 4%
180m		39°	HF 4%
240m		37°	HF 4%

CHECKED BY: J.Learn, R.St-Jean, S.Ball

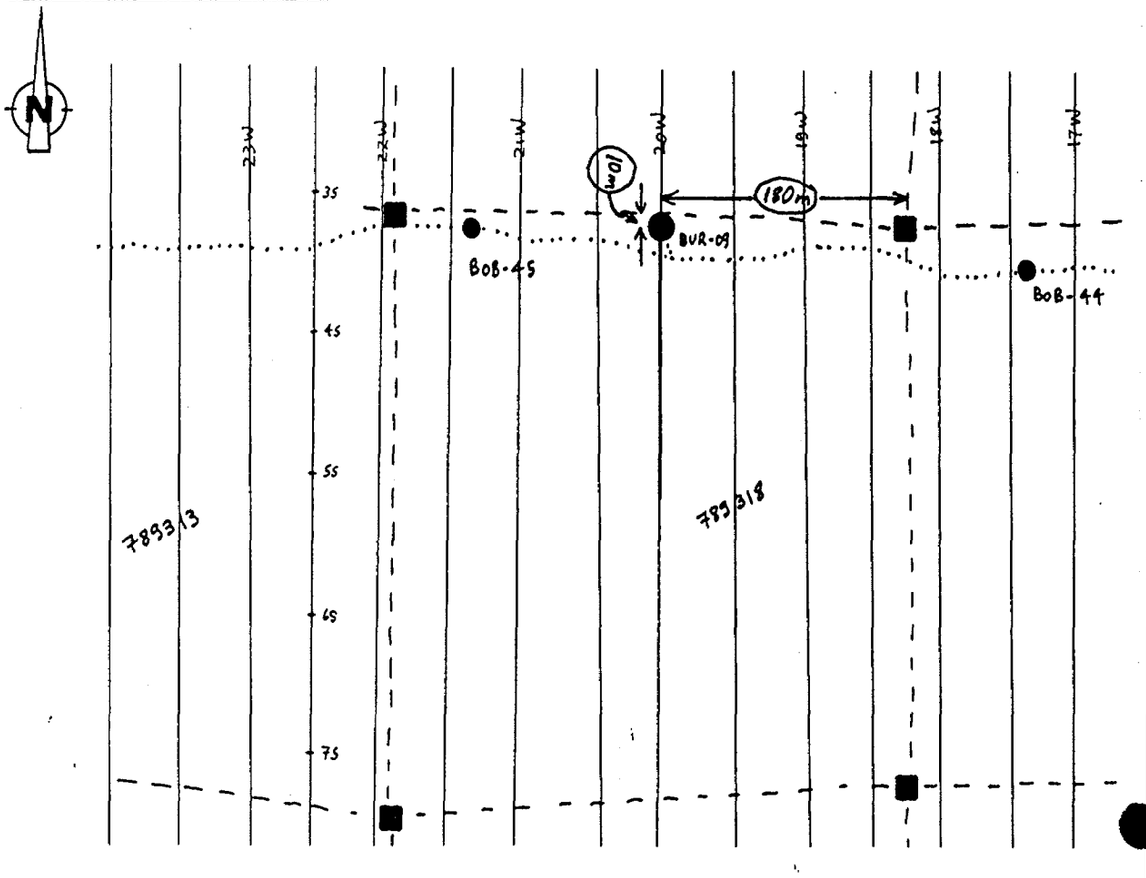
DEPARTURE: AZIMUTH: 180°
INCLINATION: -45.5°
CHECKED BY: R. St-Jean

DEPTHS: OVERBURDEN: 20.85m
END OF HOLE: 257.00m

HORIZONTAL COMPONENT: 194m
VERTICAL COMPONENT : 169m

REMARKS: drill floor to ground level 0.3m, casing pulled

LOCATION SKETCH 1:5000:



COGEMA CANADA Ltée/Ltd.
SURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: 84RO
Geologist(s): R. St Jean & S. Bell
Date: 17/03/88
Page: of 14

Depth	Structures	Fractures and Veins		Minerals and Alterations	Sample	TS	Description
12				py mt ... cc			
14–20							0.0 - 20.85 OVERBURDEN max 95 ppb pms 70 ppb (Chemutec) pms 69 ppb
22	LS, 45	F35 Ro; F55 Ro; F20 Ro,cc; F35 Ro,cc,ch					20.85 - 31.80 Amphibole Quartz schists fine grained, well foliated mafic flow? Several quartz pockets with chlorite and calcite Few pyrites Rounded "blue quartz" dispersed in this facies
24		F40 Ro,cc; F45 Ro; F55 Ro,cc	mG-dG	27%			
26	LS, 55	F45 Ro,cc,ch; F55 Ro,ch; F25 cc,ch			5218	5218	3
28–30	LS, 50	F40 Ro,cc; F40 Ro					

Other column entries: 100 (%); V, π symbols; QTZ RHENOS; Porphyritic; 1, 2 (box nos.)

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 09
Geologist(s): R. St Jean + S. Ball
Date: 17/03/88
Page: 2 of 14

Box	Depth (m)	%	Lithology	Grain size mm	Structures	Fractures and Veins	Colour	Minerals and Alterations (py, mt)	Sample #	TS #		Description
	30		V	QTZ		15cm V65 Q	mG-dG	2%				29.9 → 31.8 Foliation is disturbed
2			π V						5219		t	
	32				S1 45	F30 Ro, Q, ch, cc?; F35 Ro, Ss, cc; F15 Ro, cc, ch; F30 Ro, cc, lim; F20 Ro, cc, lim			5571		<5	31.80 - 76.4 Feldspar - Quartz porphyritic schists. Coarse grained, massive to well foliated, feldspar phenocrysts, blue quartz "crystal tuff". Locally shows "strong shearing" which destroys feldspar phenocrysts. Intermediate to felsic composition.
				QTZ + FELDS PHENOS				<1%	5572		<5	
	34					F15 Sm, Si						32.8 - 34.9 Massive.
						F5-10 Ro, Si; F10 H, Si; F40 H, ch; F35 Sm, Ss; F30 Ro, ch; F30 Ro, ch; F50 Ro, ch; F35 Sm; F50 Ro			5573		<5	34.9 - 46.1 Strongly sheared
3	36							2%	5574		<5	
					S1 45	F40 Ro; F25 Ro, cc			5220		t	
	38					2F20 H, cc, ch			5575		<5	
		100				F40 Ro; F30 Sm, Ss	dG-mGG		5576	5221	5	
4	40				S1 45				5221		<2	
									5577		<5	
								1%	5222		t	
	42								5578		<5	
						F40 Ro						
				QTZ + FELDS					5579		<5	
	44					F40 Ro			5580		<5	
5					S1 40	F30 Ro, cc		3%	5223		t	46.1 - 52.7 Massive.
	46								5581		<5	
						F40 Ro; F50 V, H, cc, Q						47.5 - 52.0 Several white quartz veins? in Foliation.
	48											

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR09
Geologist(s) R. St. Jean + S. Ball
Date: 17-03-88
Page: 3 of 14

Structures	Fractures and Veins		Geol	Colour	Minerals and Alterations	Samples	TS	Description
	Dens.	Angle	Nature					
		F55	Ro					
		V55	H,cc,Q					
		V65	H,cc,Q					
		V50	Q,H,cc					
		F50	Ro,Q					
				dG-mGG				
		F65	Ro,ch					
		F70	Ro,cc					
		V30	H,Q,cc			5583	<5	53.75-85.5 Strong pyritization, euhedral pyrite disseminated in groundmass
		F40	Ro,cc			5224	t	
		V60	H,Q,cc					55.4-55.7 Bleached zone surrounding fault.
		F30	H,Bl,cc,ch			5584	<5	
		F30	Sm,Si?,ch,Py					
		F160	H,cc,ch	F				
		F50	cc,ch					56.3-56.5 Bleached zone surrounding fault.
		F70	H,cc,ch			5585	<5	
		F75	cc,ch	F				
		F15	Bl,cc					
		F25	Ro,cc					
		F10	Ro,cc,Py,ch			5586	<5	
S,50					5-7%	5225	t	
	F15	Ro,cc,ch				5587	5	
	F45	Bl,musc		mG-dG				
	F40	cc,Ro						
						5588	10	
S,45	F30	H,cc				5226	11	62.7-71.3 Foliation is disturbed
						5589	5	
S,55	F60	Ro,Si						
	F40	Sm,cc				5590	<5	
	F50	Sm,cc,ch,Py						
	F55	Ro,cc,ch						
	F20	Ro,cc,ch						

QTZ+FELDS

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 11/100

Drill hole no: BURO9
Geologist(s): R.St.Jean - S. Ball
Date: 17/03/88
Page: 4 of 14

Depth	% Rec.	Grain size mm	Texture	Structures	Fractures and Veins	Geot.	Colour	Minerals and Alterations	Sample #	T.S. #	Description
66				S,50	F55 Ro 2F45 Ro F20 Ro,cc				5227		t
68					F10 Sm,ch F45 cc Ro,py V45 V,Q,py F45 Ro,py						
70			FOLDS	S,35	V45 Q,py,ch F55 Ro,py F45 Ro		mG-dG				
72			PORPHYRITIC	S,45	F60 Ro 5F45 Cl,H,cc						
74				S,50	F25 Ro,cc F65 Ro F65 Ro,py				5591 5228	5	t
76					F0 ch H,py?			5-7% Py	5592		<5
78				S,55	F60 Ro F30 Ro,cc F25 Ro,py				5593 5229	5229	<5 76.4 - 86.0 Blue quartz schists. fine grained, blue quartz porphyries, well foliated felsic tuff. Strongly sheared. Augen texture - quartz are slightly flattened.
80			AUGEN	S,55	F25 ch, py H,Si		mG		5594 5595		17 <5
82				S,60	F55 Ro F15 H,cc F25 H,Si				5230 5596 5597		t <5 <5
84									5231 5598		t 20

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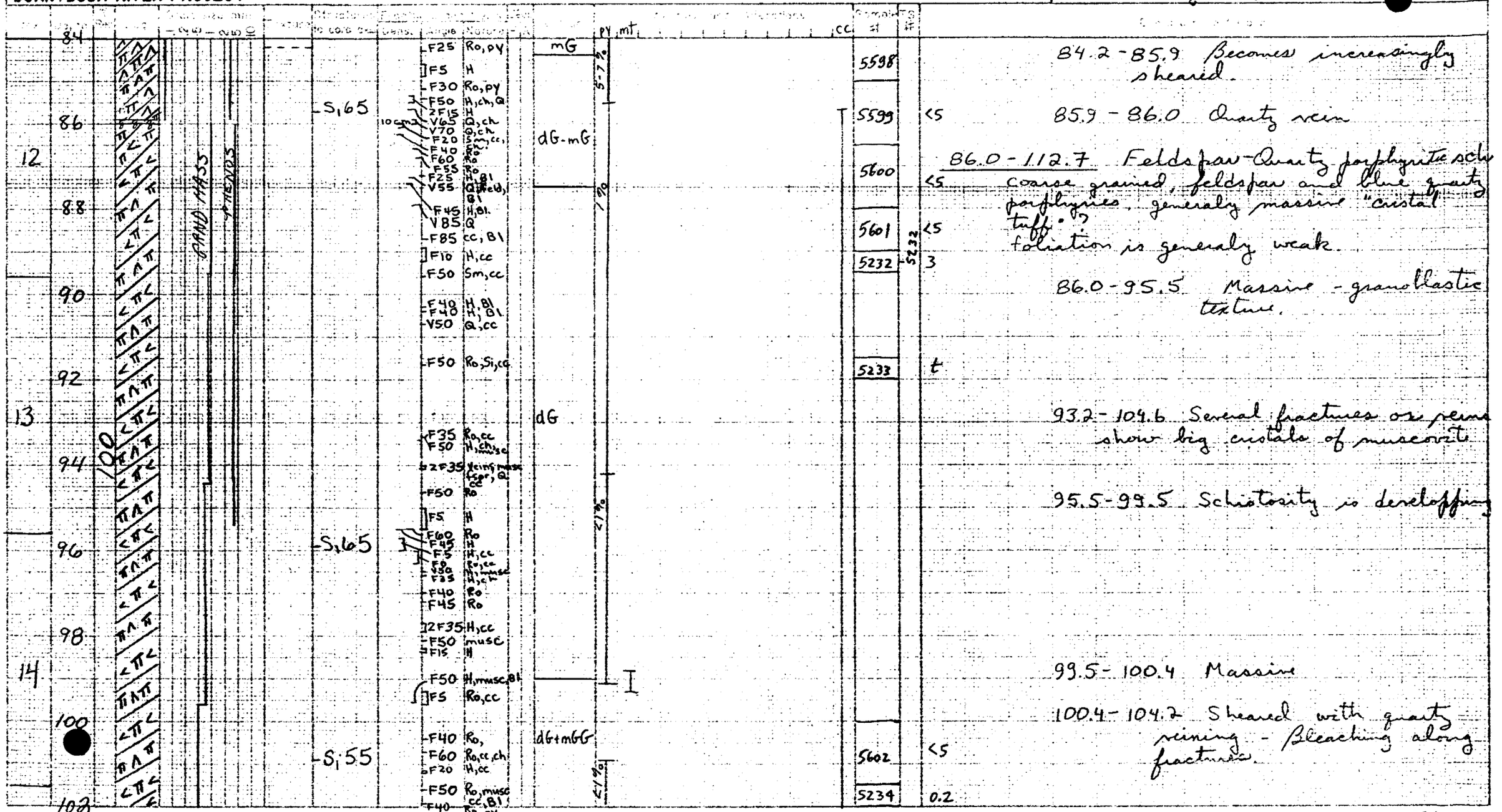
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR09 Date: 17/03/88
Geologist(s) R. St. Jean + S. Ball Page 6 of 14



Sample #	To #	
5598		84.2 - 85.9 Becomes increasingly sheared.
5599	<5	85.9 - 86.0 Quartz vein
5600	<5	86.0 - 112.7 Feldspar-Quartz porphyritic schist coarse grained, feldspar and blue quartz porphyries, generaly massive "cristal tuff"? foliation is generaly weak.
5601	<5	
5232	3	86.0 - 95.5 Massive - granoblastic texture.
5233	t	93.2 - 104.6 Several fractures ore veins show big cristals of muscovite
		95.5 - 99.5 Schistosity is developping
		99.5 - 100.4 Massive
		100.4 - 104.2 Sheared with quartz veining - Bleaching along fractures.
5602	<5	
5234	0.2	

COGEMA CANADA Ltée/Ltd.
SURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BURO
Geologist(s): R. St. Ja[illegible] + S. Ball
Date: 17/03/88

Depth	%	Lithology	Structures	Fractures and Veins	Minerals	Colour	Minerals and Alterations (py)	Sample #	TS #
102				F40	Ro, Q, cp				
				F20	H, ch			5603	<5
				F50	Ro, musc, cc, Bl				
				F60	Ro				
				F30	Ro				
104		PHENOS		2F10	Ro, cc, ch		<1%		
				F50	H, Bl, cc, musc			5604	<5
15			S,70	F65	Ro, ch, cc, Bl				
				F60	Ro, cc, Q				
				V80	H, ch, cc				
106				V35	H, py			5605	<5
				F40	Ro		1%		
				V35?	V, Q, cc, py			5606	<5
108				F40	H, cc				
				F55	Bl, Ro				
				F45	Bl, H, cc				
				F50	Ro, cc	dG + mGG		5607	<5
				F35	Ro		<1%		
110				F65	Ro, Bl				
16				V60	Q, py			5608	<5
			S,85	F0	H, ch				
				F50	Ro, cc			5609	<5
112									
			S,60	2F65	Ro, py		3%	5610	10
114								5235	t
				V25	H, py				
				F40	H, py			5611	10
			S,80						
116				V5	H, py			5612	15
17				V40	H, Q, py				
				F70	Ro, ch, cc, py				
118			S,75					5613	10
				F70	Sm				
				F60	Ro				
18				F0	Ro	mGG		5614	5
120									

Description

104.2 - 105.9 Massive, bleaching is intense along some fracture

105.9 - 112.7 Sheared, few quartz veins in foliation, few bleached zones.

112.7 - 130.8 Blue quartz schists. Fine grained well foliated, blue quartz phenocristals felsic tuff. Generaly strongly pyritized, henedral pyrite cristals.
Well foliated
Augen texture
Slightly stretched quartz.

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BuR 09
Geologist(s): P. S. Jean & S. Ball
Date: 17-03-88
Page [illegible] of 14

Box	Depth	Rec.	Lithology	Texture	Structures to core axis
	120				
					S, 55
18	122	100	PHENOS		
	124				S, 70
	126				
19					
	128				S, 65
	130				S, 70
	132				
20	134				
					S, 75
	136				
21	138				

Fractures and Veins:

Angle	Nature
F40	Sm
F30	Ro, cc, py
V45	H, cc
3V65	Q, ch
F40	Ro, py
F30	Ro, ch, py, cc
F45	Sm, ch
F15	Ro, ch
2F3	Ro, py
V?60	H, ch, py
F35	H, ch
V45	Q, cc, py
F45	Ro, py
F40	H, py, Q, cc
F55	Ro
F30	Ro
F20	Ro, cc
F40	Ro, cc
F40	Ro, py, ch, cc
F30	Ro, cc
2F20	H, cc
F50	Sm, Ss, cc
F40	Ro, cc
F0	H, cc
2F30	H, cc

Colour: mGG (to ~127.1); mG+dG (below)

Mineralization: py 3% ; 1% ; 2% ; 5%

Sample no.	Value
5615	15
5236	t
5616	10
5237	21
5617	5
5618	5
5238	t
5619	<5
5620	5
5239	t
5621	10
5622	70
5240	t
5623	95
5624	55
5625	<5

5237 (vertical)

Description:

127.1 - 130.8 Very sheared tuff? Blue quartz phenocrysts are getting scarce.

128.75 - 130.8 Much "formless" quartz pockets.

130.8 - 195.4 Biotite schists.
Very fine to fine grained, generally well foliated intermediate composition tuff.

131.2 - 137.7 Several large quartz pockets. Pyrite. Foliation is perturbed, folded.

137.0 → 138.9 Foliation is disturbed.

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR09
Geologist(s) R. St. Jean + S. Ball
Date 18-03-88
Page: 8 of 14

Core size mm	Structures	Fractures and Veins (Angle)	Geot.	Colour	Minerals and Alterations (py, mt, cc)	Sample #	TS	Description
138	S,55	F15 Sm,cc V60 Q,ch,py				5625		139.4-163.0 Lapilli tuff. Generally felsic fragments in intermediate? matrix. Clasts are stretched in foliation plane. Clasts are rounded and have a maximum diameter of 10-15 cm. Matrix of agglomerate is magnetic and has calcite alteration.
140		F20 Ro F50 Ro						
21		F65 Ro,cc,py						
142		F45 Ro,cc						
	S,60	F35 Ro F20 Ro,cc						
		F30 Sm,Ss,cc						
144		F35 Ro,cl						141.2-141.3 Pyrrhotite and chalcopyrite
22		F35 Ro,cc,py F20 Ro,cc						
146		F40 Ro,cc,lim F45 cc,H F0 Ro,cc F55 Ro,cc,py						
		F30 Sm,cc F40 Ro,cc F10 H,cc						
148		F30 Ro,py				5241	0.2	149.2 Porous volcanic clast with vugs filled by pyrite
		F60 V,py,cc						
150		F35 Ro,py,cc F20 Ro,cc		mGtdG				
23	S,60	F60 Ro,py F45 Ro,cc F0 cc				5242	t	
152								
154		F40 Ro,Q						
	S,60							
24								
156								

SDG-44

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BURNTBUSH RIVER PROJECT

LOG 1/ 100

Drill hole no.: BUR-0
Geologist(s): R. St-Jean & S. Ball
Date: 18-03-88

Box	Depth	% Rec	Structures	Fractures and Veins (Angle / Nature)	Colour	Minerals and Alterations	Sample	Results
	156							
				F20 Bl, Ro			5243	69
24	158			F25 H		2% py		
				F40 Ro, cc, py				
				F45 cc, Ro				
			S, 65	F30 Ro, cc, py				
				2F35 Ro, cc				
	160			F45 Ro, cc, py	mG+dG			
				F20 H		3-5%		
				F45 Ro, cc				
	162			F65 Sm, ch			5244	0.3
				F25 H, cc				
25							5626	5
				F45 Sm, cc				
				F50 Sm, SS				
				F10 Ro				
	164	100			mG+lGG		5627	<5
			S, 65					
	166		S, 70	BKN: F35 Ro, cc			5628	<5
				F40 Ro, cc		2%		
				F30 H, cc				
				2F35 Ro, cc				
26	168		S, 70					
				V40 PY cc, ch	dG+mG			
	170							
				F40 Ro, cc				
			S, 70	F30 Ro, cc				
				F30 Ro, cc				
27	172							
	174			2F30 Ro, cc				
				V65 Q, ch, py				

163.0 - 165.5 fine grained tuff with quartz "fillings", pyrite, much bleaching.

165.5 - 181.4 Lapilli tuffs as above.

169.1 - 169.9 Quartz veins and pockets.

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR09
Geologist(s): R. St. Jean & S. Ball
Date: 18-3-88
Page: 10 of 14

Box	Depth	Rec.	Structure S	Fractures and Veins (Angle / Nature)	Colour	Sample #	Assay	Description
	174							
27				F40 Ro,cc; F10 Ro,py,cc; F25 Ro,cc; F30 Ro,cc				
	176		S,75					
	178							
				3F40 Ro,cc; F15 H,Bl				
28	180			F15 Ro,cc; F25 Ro,cc; 2F30 Ro,cc				
			S,60	2F35 Ro,cc				181.4 - 183.7 fine grained tuff with quartz "fillings" and pyrite.
	182			F25 H		5245	t	
		100		F35 Ro; F30 Ro; F60 Ro,cc; V65 H,cc,py	dG+mG			183.7 - 195.4 Lapilli tuff as above. Maximum fragment size is greater or equal to 20 cm ! . Fragments are rounded.
	184			F60 Ro; F40 Ro,py; F40 Ro				
29	186			F45 Ro; F15 Ro,py; F25 Ro,cc; F40 Ro,cc				
	188		S,60	F40 H,cc				
			S,65	V15 cc; F35 Ro,py,cc		5629	<5	
30	190			F20 Ro; F145 cl (EF); F50 Ro,cc; F45 Ro; F50 Ro; F25 Ro,py,cc; F15 Bx,Bl,Ro; F30 Ro,cc		5630	<5	190.5 ⇒ 191.4 Bleaching along microfractures
	192					5631	5	

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1//00

Drill hole no.: BUR09
Geologist(s): R. St. Jean / S. Ball
Date: 18-03-88

Depth	Texture	Structures (to core axis)	Fractures and Veins: Angle	Nature	Colour	Sample #	TS #
192	LEPIDOBLASTIC	S,60	6F45	H,cc	dG+mG	5631	
194			F15	H,cc			
		S,60	F30	Ro,cc			
			F30	Ro,cc			
196		S,55?	F0-5	H,cc			
			F35	Ro,ch,cc			
			F35	H,Si			
			F55	Ro,py			
			V75	chert?			
			F35	Ro,cc			
198			V65	Ro,cc			T.S. 199.02
			F60	Ro			
			F55	Ro			
			F35	Ro,cc,ch			
		S,50	F50	H,cc	dG-dPG		
200			F25	H			
			V45	cc,fspr			
			F55	H,cc,Q			
			F20	H			
			2F50	Ro,cc			
			F0	H,cc, fspr			
	GRANOBLASTIC PORPHIRIC		F20	Ro,cc			
202		S,60	F0	H,cc,Q, fspr			
			F30	Ro,ch			
204			F25	Ro,cc			T.S. 204.80
			F40	Ro			
		S,60	F50	Ro,cc			
			F10	H,cc			
206			V40	Q,musc			
			F50	Ro			
			F10	H,Si			
			6F35	H,cc			
			F0	H,cc			
208			F20	Ro,cc,ch			
			F45	Ro,cc,ch			
			F20	Ro,cc			
			F20	H,cc			
			3F10	H,cc			
210		S,60	F35	Ro,cc	dG+mGG		
			F30	Ro,cc			

Box numbers: 30, 31, 32, 33. Recovery: 100%. Grain size: PHENOS. Minerals and Alterations: py, mt; 1-2%.

Description

195.4 - 209.7 Feldspar - Quartz porphyritic schists
coarse grained, massive to weakly foliated
rounded feldspar phenocristals, few quartz
cristals pinkish coloured "cristal tuff"

209.7 - 210.5 Biotite schists.
fine grained, bleached, lapilli tuff

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 09 Date: 19-03-88
Geologist(s): R. St. Jean + S. Ball Page: 12 of 14

Depth	Structures to core axis	Fractures and Veins: Angle	Nature	Colour	Sample #
210				dG+mGG	
33		F25	Ro,cc,ch		
		F40	Ro		
212		F60	Ro,cc	dG-dPG	
		F15	H,cc		
		F50	H,cc		
		F55	Ro		
214	S1 50	F45	Ro,cc,Si		5246
		F60	Ro,Si,py		5247
34	S1 70				
216		F30	Ro,cc		
		F30	Ro,cc		
		F30	Ro,cc,py		
		F30	H,cc		
		F20	H,cc		
		F30	Ro,cc,py		
218	S1 70	V60	Q,cc,ch		
		2F65	Ro,cc		
220					
35		V45	Q,ch	dG+mG	
222		2V50	Q,ch,cc py		
	S1 60	F25	Ro		
		F20	Ro,cc,py		
224		F5	Ro,cc Ch,py		5248
		F20	H,cc,ch		
36 226					
	S1 65	F15	Sm,cc, ch,py		
		F15	Ro,py,cc		
228					

Texture: GRANOBLASTIC PORPHYRIC (210–214.5); LEPIDOBLASTIC (214.5–228)

Sample 5248 (assay column): 5246: t; 5247: 0.2; 5248: <2

Description

210.5 - 214.5 Feldspar - Quartz porphyritic schists as above

214.5 - 238.7 Biotite schists as above.

214.5 - 222.5 Lapilli tuff

222.5 - 224.7 Mostly tuff (ashfall?)

224.7 - 224.9 Quartz filling in lapilli tuff

224.9 - 225.9 Lapilli tuff

225.9 - 226.2 tuff (ash fall?)

226.2 - 226.4 Quartz filling

226.4 - 238.7 Lapilli tuff

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BURNTBUSH RIVER PROJECT

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Drill hole no.: BURO
Geologist(s): R. St. Jean + S. Ball
Date: 19-03-88
Page: 13 of 14

Run	Depth	%	Grain size mm	Lithology	Structures	Fractures and Veins	Geot.	Colour	Minerals and Alterations (py, mt, cc)	Sample #	TS #	Description
	228											
36												
	230				S,60	F0 H,cc						
	232											
37				LEPIDOBLASTIC	S,70	F20 Bl,H 3F35 Bl,H V70 Q,cc,py F30 Ro F45 Ro,cc F15 Ro,cc,py		dG+mG				233.1 - 233.5 Slightly brecciated? healed - bleached along micro fractures.
	234											
	236	0			S,60	2F30 Ro,cc						
		10										
	238					F35 Ro,ch F45 H,cc						238.7 - 257.0 Feldspar - quartz porphyritic schists.
38					S,65	F15 H,cc F35 H,Bl						as above moderately sheared
	240					V?60 Q,fsp,musc,Bl F05 Bl,H						
	242			PHENOS	S,65	V40 Q,musc,fsp,Bl F35 H,Bl,cc		dG-dPG				
				GRANOBLASTIC PORPHYRIC		V?50 Q,fsp,musc,Bl F25 Ro,cc F70 Ro,Q,fsp F40 Ro,cc F40 Ro,cc F80 H,cc V45 Q,fsp,musc,Bl F50 Ro,cc						
39	244											
						F0 H						
	246											

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BURNTBUSH RIVER PROJECT

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Drill hole no. BUR 09 | Date: 19-03-88
Geologist(s) R. St. Jean + S. Ball | Page: 14 of 14

Box	Depth	% Rec.	Lithology (graphic)	Grain size	Rock type	Structures	Fractures and Veins	Colour	Minerals and Alterations	Sample #	TS #	Description
39	246	100	π	PHENOS	GRANOBLASTIC PORPHYRIC	S, 60	F65 H,cc; F75 H,Bl; F60 H,cc,Bl; F60 H,Bl,cc			5249	5249	<2
	248											
40	250					S, 70	F40 Re; V40 cc,musc; F65 H; F80 H,Bl,cc; F70 Re H,Bl; F70 Sm; F55; F80	dG-dPG				
	252						F30 H,cc,Q,musc,Bl; F30 V,Bl,cc,Q; F50 Bl,cc; F58; F70 H,cc; F20 musc,cc,H; F15 musc,Re; F60 H,cc,Q,musc,Bl; V45 Q,cc,musc; F40; F70; F20 Sm,cc; F70 cc,Q; F60 cc Re; F50 H,Bl; F65 H,cc,musc,Bl; R60 Re					252.0 - 252.9 Bleached along fractures
	254						F65 H,Bl; F45 Sm; F68 Bl,H,cc; F45 Sm; F35 H,cc; F65 V?; V45,Q,cc musc					
41	256					S, 65	F75 Re,cc; F75 cc,Bl,V; F68 cc,V,Re; F55 cc,Bl,Re; F50 H,cc,Q; F60 H,cc; F65 H,Bl					
						S, 60	F75 V,H,cc; F65 Sm,cc; F30 H,cc; F35 Sm					257.0 m EOH
	258											

John Jean [signature]

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Form SDG-45

DIAMOND DRILL HOLE RECORD

BURNTBUSH RIVER PROJECT

DRILL HOLE NO.: BUR-10

CLAIM NO(S).: L789326 / L789329

TOWNSHIP : Hoblitzell

DATE BEGUN : 16/03/88

COMPLETED : 19/03/88

LOGGED BY : J. Learn

CONTRACTOR : Les Forages Foranord

CORE SIZE : BQ

DRILL FLUIDS: H_2O

COLLAR CO-ORDINATES

	GRID	UTM
X:	900W	≃581250E
Y:	350S	≃5482900N
Z:	≃279	

DEVIATION RECORD

DEPTH	AZIMUTH	DIP	METHOD
60m		39°	HF 4%
122m		39°	HF 4%
180m		39°	HF 4%
240m		37°	HF 4%

CHECKED BY: J.Learn, R.St-Jean, S.Ball

DEPARTURE: AZIMUTH: 180°

INCLINATION: -45°

CHECKED BY: J. Learn

DEPTHS: OVERBURDEN: 16.2m

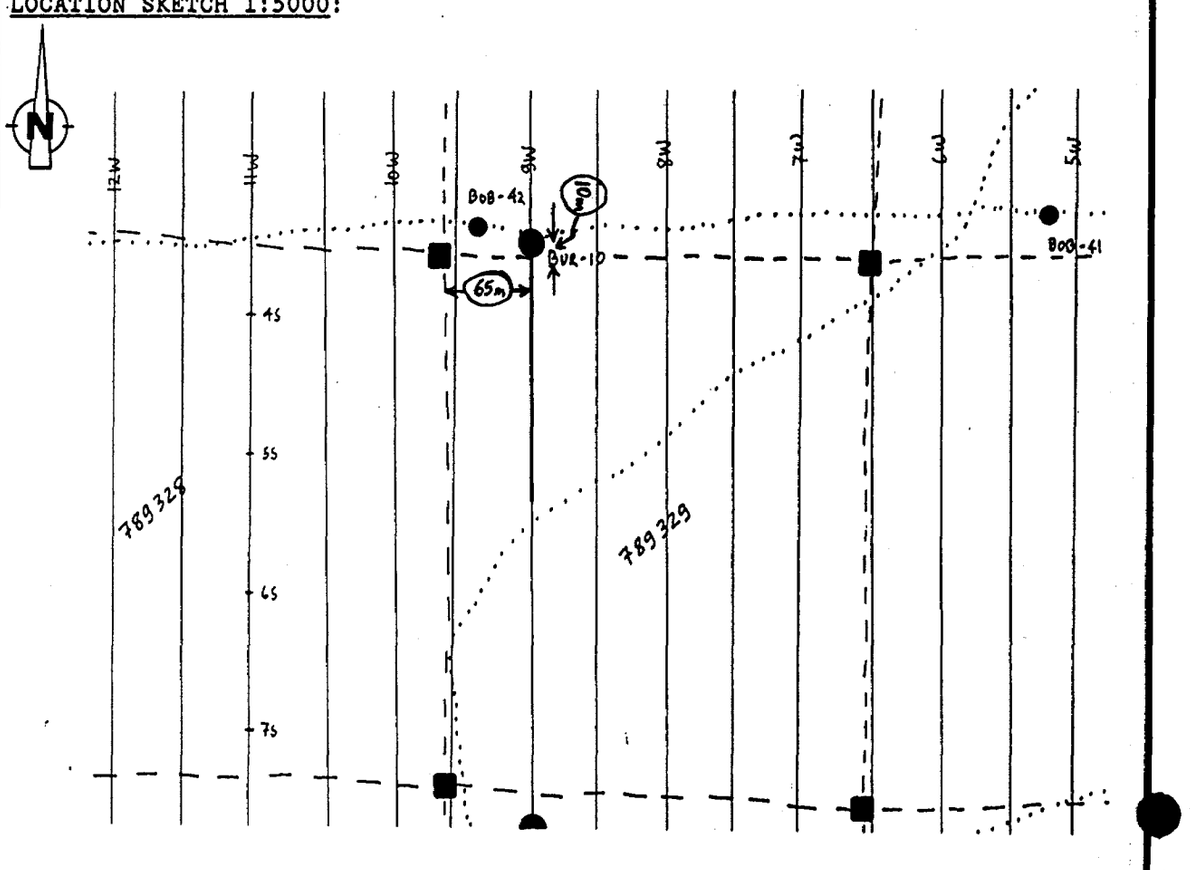
END OF HOLE: 244.0m

HORIZONTAL COMPONENT: 188m

VERTICAL COMPONENT : 155m

REMARKS: drill floor to ground level 0.5m, casing pulled

LOCATION SKETCH 1:5000:



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BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-
Geologist(s): J. LEBEL / TECH: RM
Date: 17/03/88
Page: 1 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geol	Colour	Minerals and Alterations PY PO	CH ACC	Sample #	TS #	Description
	2															300/75 ppb 95 ppb / 64 ppb max 50 ppb min 25 ppb (Chimtec)
	4															
	6															0 - 16.2 : OVER-BURDEN
	8															
	10															
	12															
	14															
	16															
1						S, 60					dG			5632	<5	
	18															

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BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-1 Date: 17/03/88
Geologist(s): J. LEARN TECH: RM Page: 2 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot. F	R	Colour	Minerals and Alterations py	po	CHL	CC	Sample #	TS #	Description
						51.65													16.2 - 91.35 Mixed intermediate tuffs, overall this subdivision quite non-uniform, refer to descriptions below:
																	5633	<5	
1	20					51.80											5250	✓ <2	
												dG							16.2 - 23.05 very fine grained well laminated (foliated) rock composed mainly of feldspar and biotite wispy discontinuous calcite mostly // S1, microscopic py disseminated throughout.
																	5634	<5	
	22																		
						51.65				95							5635	<5	towards base of interval hornblende porphyroblasts (partly chloritized) appear and foliation less well developed.
	24																5636	10	23.05 - 25.1 heterogeneous, common injected quartz more felsic composition, more feldspar, less biotite, occasional quartz eyes, especially at 24.0-24.2 ~5%
2						51.60				85									mm colour banding (biotite-rich, poor bands) i.e. well laminated and well foliated.
	26																5637	15	calcite wispy discontinuous mostly // S1,
																			minor pyrite disseminated throughout
																	5251	✓ 95	
						51.60											5638	25	25.1 - 40.0 heterogeneous, two principal lithologies alternate, thicknesses from 5cm to >2m
	28					51.80				65		dG + 2Gn							mostly dark grey rock: weakly foliated biotite-feldspar, fine-grained, with disseminated pyrite, mostly random orientation. S1 (if it exists) emphasized by calcite (wispy) but calcite
																	5639	15	
																	5252	✓ 19	
	30																		also present in ground mass - pervasive
3																	5640	15	rare quartz eyes, whereas in above unit these are round, here they may be angular
						51.50				85									but with bands of light green rock:
	32																5641	<5	this rock composed mostly of feldspar, with ~ 5% qtz eyes (~0.1mm) and minor wispy sericite,
																			also minor disseminated py, calcite, and few calcite veinlets, rock appears to be foliated but in
						51.65											5642	5	fact it is lineated - elongate feldspar quartz appears to be not affected.
	34									95									
						51.60												TS	both rock types contain some, but not abundant injected quartz
4																	5643	5	
	36					51.55													

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BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR[illegible] Date: 17/03/80
Geologist(s): J. LEARN TECH. RM Page: 3 of

Box	Depth	Structures to core axis	Colour	Sample #	TS #	
		S, 80	dG + lGn	5644		<5
4	38			5645		<5
		S, 70				
	40	S, 60 / S, 00		5646		<5
		S, 35	mG + W	5647		<5
	42			5648		5
5		S, 45				
	44	S, 65	dG	5253	✓	64
				5649		50
	46			5650		5
		S, 60				
	48			5651		<5
6			lG + mG	5254	✓	3
	50	S, 65		5652		<5
				5653		<5
7	52					
		S, 60		5654		<5
	54			5655		

Description

36.6 - 36.8 clasts of green rock in the grey rock up to 5cm x 2cm

40.0 - 43.3 this rock the same as the grey rock above, but strongly injected with quartz
note that I can now recognize that this grey rock is also lineated

43.3 - 45.7 quartz-eye tuff (intermediate)
predominantly feldspar and biotite, well foliated, with round quartz eyes (blue) ~3%
minor calcite in ground mass
abundant pyrite ~1% disseminated and in concentrations // S_1

45.7 - 52.9 very fine grained well foliated, well laminated tuff, mostly composed of biotite and feldspar.
biotite content variable causing colour banding in shades of greys
rare quartz eyes (~ 0.1mm) generally in biotite-rich bands
calcite pervasive in groundmass but not strong
pyrite content overall slightly lower than previous units, again disseminated but also in concentrations // S_1

SDG-44

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BURNTBUSH RIVER PROJECT

LOG 1/100

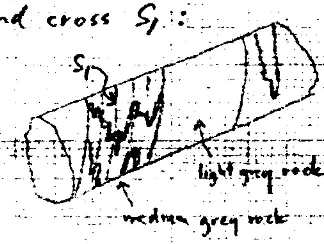
Drill hole no.: BUR-
Geologist(s): J LEARN- TECH: RM
Date: 17/03/88

Box	Depth	Structures to core axis	Fractures and Veins (Angle)	Fractures and Veins (Nature)	Colour	Minerals (PY)	Sample #	TC	Result
							5655		<5
7			V60	q					
	56	S,55	V00,05	q,cc			5656		<5
			V30	q cc					
					lG + mG				
		S,60	F45	sm,ss		0.5%	5657		<5
	58								
		S,50					5658		TS <5
8	60		F45	ro,chl					
					dG		5659		<5
	62	S,55					5660		<5
		S,80	F25	ro,chl					
			F45	ro			5661		<5
	64						5255	✓	3
		S,75	F45	ro,co	mGn + mG				
9	66		F80 / F60 / F15 / F20 / F10	sm / ro-cc / ro,chl / [illegible] / sm					
		S,70				0.5%			
	68		F30	ro,chl					
		S,75					5256	✓	8
10	70				dG				
		S,60	V30	q					
	72		V[illegible]	q					

Description

52.9 - 63.3 generally similar to above, note the following three comments:

1) at top of interval strange deformations, biotite-rich laminations are folded and cross S_1:



(intra foliat folds ?)

2) light grey bands decrease greatly towards bottom of interval

3) 58.75 - 58.8 and 59.65 - 59.75 thin bands light orange rock predominantly feldspar with very tiny orange grains. P.S.: Rutile (up to (from T.S)

63.3 - 67.6 unit transitional between grey rock, light green rock, and light orange rock (all described above), contacts are diffuse

67.6 - 91.35 dark grey, well foliated to very weakly foliated biotite - feldspar rock, development of foliation not dependent on biotite content biotite may be well aligned or randomly oriented.
calcite generally pervasive in groundmass
pyrite uniformly disseminated locally approaching 1 or 2%, may or may not be as aligned flakes as per biotite
a few pyrite cubes ~0.1mm noted

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BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR[illegible]0 Date: 17/03/88
Geologist(s): J LEARN - TECH·RM Page: 5 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Géot. F R	Colour	Minerals and Alterations (py, po, … chl, cc)	Sample #	TS #		Description
						S, 30		V	q							72.8-73.2 thin band of light green rock (as before) calcite still pervasive in matrix but lower content. pyrite very finely disseminated but uniformly so.
10						S, 70		V / 2F 60	q / Ro, RP, cc		m G					
						S, 80										
	74							F30 / F30 / F30 / F30 / F40 / F30 / F30	Sm, cc / He / Ro / Ro, cc / Sm, cc / Sm, cc / Sm cc		d G	py 0.5%				
	76															
						S, 80										
11								F30 / 2 V60	Sm chl, cc / q							~79.0 - ~87.0 appearance of patchy but weakly oriented chlorite presumably derived from amphibole, and a few round quartz eyes.
	78					S, 80										
								V50	q							
	80					S, 70						1%				foliation locally disturbed especially from 83.0-84.0 where it is openly folded and nearly parallel to core axis.
						S, 40		F70	Sm cc							
					q	S, 70							5257	✓	6	
	82							F55 / F55	Ro, Sm / Ro, Sm							
12						S, 80										
						S, 00		F30	Ro			py 0.5%				87.2-88.2 pyrite content increases dramatically, especially at 87.9-88.1, where it comprises ~10% or more of rock.
	84					S, 60		V45 / V / F30	q cc / q / Ro cc							Note from 87.9-88.1 foliation (and pyrite) oriented parallel to core axis
	86				q	S, 60 / S, 60 / S, 30		V	q cc							
								V60	q							
13												2%	5258		300	
	8[illegible]							V60 / V70	q / q			10%	5259		75	
						S, 45						5% / 3% / 0.5%				
	90															

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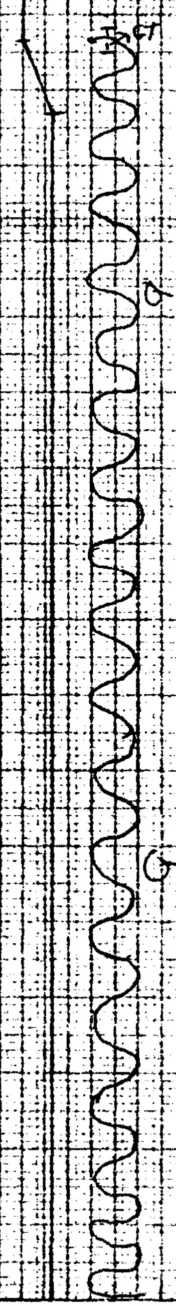
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-
Geologist(s): J LEAN… TECHIRM
Date: 19/03/78
Page: 6 of



Box	Depth	% Rec	Structures to core axis	Fractures and Veins (Dens. / Angle)	Nature	Géot.	Colour	Minerals and Alterations (py/po … chl/cc)	Sample #	TS #
13										
	92		S_1 70	F 35	ROCHLUCE					
				F30	HB					
				V70	Q					
14		100		V20	Q					
	94						dG			
			S_1 65					<0.5%		
	96			V70	Q					
	98			V40	cc				5662	<5
				8 V60	Q					
			S_1 65	F30	po, cc					
15	100			8V 60	Q		mGG W^+		5663	<5
									5664	<5
	102			V20	cc					
				2V25	cc					
				V	Q, cc					
				V30	Q, cc					
	104	100	S_1 70	2V55	Q cc					
				V70	Q cc					
				V50	Q cc		dG			
16				V60	Q cc			<5%		
	106			V	Q cc					
				4V 90	Q cc					
				Fra	Q cc					
				V	Q					
			S_1 80							
	108			V55	Q cc					

Description

91.35 – 130.4 Quartz-eye crystal tuff

both upper and lower contacts marked by quartz veins, relationship with adjacent rock obscured.

Note however that grain size decreases at upper and lower contacts, this is possible evidence that rock is a porphyritic intrusive

well foliated / laminated to locally only weakly foliated

quartz eyes are rounded, blue and abundant 5% of rock

a few quartz eyes contain biotite inclusions

foliation defined by biotite ~5%, and wispy sericite ~1%, generally also by pyrite ~0.5%

groundmass mostly plagioclase feldspar

calcite generally microfractures // S_1

98.6 – 102.8 quartz veins impart lighter colour to wall rock

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BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: 13 VR-[illegible]
Geologist(s): J LEAR[illegible] TECH: KM
Date: 14/03/8[illegible]
Page: 7 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot. F	Géot. P	Colour	Minerals and Alterations (py … CHL CC)	Sample #	TS #	Description
16								3V70	Q CC							
								V30	Q CC							
								V55	Q CC							
								F30	HE, CHL, CC		100					
								V65	Q, CC				0.5%			
	110	100				S1 60										
								2V60	Q CC							
								3V60	Q, CC							
								V60	Q							
								F00	HE, CC							
								F40	HE CC							
17								2V30 65	Q CC							
								V80	Q							
	112							V60	Q CC							
								F00	HE, CC, CHL							
						S1 70								5260	✓	L2
								F20	SM CHL CC				0.5%			
	114					S1 45										
								4F30	HE, CC			dG				
								V	Q, CC							
								F20	HE, CC							
	116					S1 30		6V	Q, CC							
18						S1 60										
	118					S1 60		2F60	HE, BL							
								3F60	HE, BL							
								F40	SM CC							
								F50	HO, CC							
	120							V70	CC, Q							
								F15	HE CC							
19	122					S1 60		F45	HE, BL							
		100									100					
	124					S1 60										
	126							F20	HO, PY							

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BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR-[illegible] Date: 19/03/88
Geologist(s) J LEAR[illegible] TECH: RM Page: 8 of

Box	Depth	Structures	Fractures and Veins (Angle)	Nature	Colour	Sample #	TS
			F20	RO, CC			
			V00	Q, CC			
	128	S, 70	V60	Q, CC			
			F20	SM, CHL, CC			
20							
	130		4V	Q, CC			
		S, 70	F40	RO, CHL			
			F30	RE, CC		5261	✓
	132	open folds	F45	RO CHL	B	5665	
			F40, 50	RO, CHL, CC			
	134	S, 60	F15	RE, CHL, CC		5666	
			3F 30 / V60	RE, CHL, CC / Q			
21			F 25	SM, CHL			
	136		2F60 / F20	SM, CHL, CC / RE, CC	dG	5667	
			4F30	RE, CC, EP			
		S, 70	2V60 / F30	Q, CC / SM, CHL, CC		5668	
	138		5V	Q DOL		5669	
			F60 / F80 / 3V40 / V30 / V30 / F30	RO, CHL, CC / RO, CHL, CC / Q, DOL / DOL, Q / [illegible]			
22	140	S, 60	V70 / 6F60	Q DOL / RO, CHL, CC		5670	
			V	Q, DOL	mG	5671	
	142		F 40 / V	RO, CC, PY / Q DOL	l⁺P		
			F30	RO, CHL, CC			
			V	Q, DOL		5672	
			V60	Q, DOL			
23	144		7V	Q DOL		5673	

143.5 → 144.5

11.

<5

<5

<5

<5

5

<5

<5

Description

130.4 - 133.6 very fine grained black argillaceous tuff, uniform, massive to weakly foliated except locally where diffuse calcite emphasizes foliation (folded at 133m)
pyrite locally ~1% eg 131.6-132m

133.6 - 149.1 fine grained intermediate tuff (?)
well foliated rock composed mainly of feldspar,
- lesser biotite, chlorite, pervasive calcite in matrix and in foliation planes
- uniformly disseminated microscopic pyrite

137.7 - 149.1 abundant veins containing quartz and pink dolomite, wall rock adjacent to veins lighter grey than before 137.7

137.7 euhedral Fe carbonate in vein

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BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-10 | Date: | Geologist(s): J. LEAR[illegible] TECH : R.M | Page: 9 of

Box	Depth	% Rec	Log	Grain size	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot. F/R	Colour	Minerals and Alterations	Sample #	TS #	Description
								F45	SM, CC, PY				5673		<5
						S, 70									
								2V 60	DOL, Q		mG		5674		<5
	146	100								100			5262	✓	5
23															
								V60	Q DOL						
	148					S, 70									
								BX 2V60	Q, DOL						149.1 - 183.0
								V60	Q, DOL						
								F 60	RO, CHL, CC						
								V	Q						
								F60	RO, CHL			I			
	150														
								2F 60	RO, CHL						
	152					S, 70		V60	Q			I			
24								F80	RO, CHL						
								F15	RO, CC		dG				
	154											I			
						S, 65						I			
	156														
								F 70, F 30	SM, CC, CHL			I			
	158					S, 75		6F 30	RO, CC, EP			I			
25															
	160											I			
						S, 80		F 60	RO, CC						
26													5263	✓	<2
	162														

149.1 - 183.0 massive to weakly foliated to locally well foliated intermediate metavolcanic (tuff?)
major constituents are feldspar and biotite
locally porphyritic (shadowy feldspar outlines)
abundant bands a few cm to 10cm rich in chlorite/amphibole and also containing small randomly oriented needles (resembling tremolite)
pervasive calcite in matrix and in foliation, somewhat lesser amounts in chloritic bands

generally fresh unfractured rock, but wispy calcite locally becomes very intense emphasizing foliation, here rock may be weakly sheared eg 170.8 - 172.8

upper and lower contacts of this unit are not abrupt, arbitrary choice of unit based on presence of short chloritic / feldspar porphyritic intervals

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR-1 Date: 20/03/88
Geologist(s): J LEAKEN - TECH: RM Page: 10 of

Box	Depth	Structures (S, angle)	Fractures and Veins: Angle	Nature	Colour	Sample #	TS	Assay	Description
			V90	Q, CC					
26	164	S1 80	7F45	HE, CC					
			F30	RO, EP	dG				
	166								
			F35	RO, CC, CHL					
			V70	CC, Q					
27	168		V60	Q					
		S1 75				5675		<5	
	170		F30 F30	RO, CC, CHL / HE, RO, CC, Q, PY		5676		<5	170.4 vuggy fracture with abundant py cubes (~0.5mm) on calcite
		S1 70				5264	✓	<2	
	172		F25	RO, CHL, CC		5677		<5	
28	174					5678		<5	
			V	Q CC, TM	dG	5679		<5	174.6 1cm broken tourmaline crystal in quartz-calcite vein
	176	S1 70							
			F55	RO, CC, CHL					
	178		F30 F35 + F35	RO, CC, CHL / RO, CC, CHL / HE, RO, CHL					
29		S1 80	F10	RO, CHL					

Minerals and Alterations columns: PY, PO, ..., CHL, CC

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-1[illegible] Date: 20/03/88
Geologist(s): J. LEARN TECH: RM Page: 11 of

Box	Depth	Structure to core axis	Fractures and Veins – Angle	Nature	Colour	Sample #	TS #		Description
			F30	HE					
			F40	RO, CHL					
			F25	RO, CHL, CL					
			F20	RO, CHL					
			F15	HE, CHL, Q					
29	182	S, 70	V 60	Q, CC	dG				
			F60	SM, Q					183.0 - 198.1 fine grained to very fine grained rock very similar to above but lacking chloritic or porphyritic sections. → intermediate tuff (?)
			F30	SM, CHL					
	184								
	186					5265	✓	3	
30		S, 80	F30	RO, CHL, CC					
			F30	RO, CC, CHL					
	188		V60	Q, CC					
			F45	RO, CC					
			V60	CC, Q					
	190								
			V	Q EP, CC					
			BX 80	HE, CC EP					
			V	CC Q					
31	192		F15	SM, CC, CHL	dG				
		S, 60							195.7-196.3 increase in pyrite content in wall rocks adjacent to quartz veins; minor pyrite also in quartz vein close to vein walls
	194								
			F10	RO, EP, CC					
			V60	Q					
			F40	RO CHL					
			F30	RO, CHL					
			F40	SM					
	196		V	Q		5680		<5	
			F40	SM, CC, CHL					
32			F60	RO, CC					
			F 35,30	RO, CC				5681	<5	
	198								

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-1[illegible] Date: 22/03/88
Geologist(s): J. LEARN TECH: RM Page: 12 of

Box	Depth	% Rec.	Grain size mm	Structures to core axis	Fractures and Veins Angle	Nature	Geot.	Colour	Minerals and Alterations py mt	Sample #	TS #	Description
					F30	sm, cc, chl		dG				198.1 - 244.0 mafic (to intermediate) tuffaceous section
32	200			S1 80	F45 V90 V90 V90	SM Q Q Q				5682	✓	6" as above but with abundant amphibole/chlorite rich bands
	202				F35	Rø, op						calcite occasionally present in S1 planes and on fractures
				S1 85	F15 F30	H, cc Rø						py uncommon, generally in qtz
33	204				F30	Rø, cc, chl						well foliated
				cm folds								upper contact not at all abrupt
	206			S1 70	F30	Rø						
					F40	Rø		dGG				
	208		6"		V70	Q						
				S1 80								
34	210											
					VCO F45 F35	Q Rø, cc eø, cc						
	212			S1 65								
	214											
35					F35	Rø, chl, cc						
				S1 75	F60	Rø						
	216				F50	Rø						

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BVR-10
Geologist(s): JJ

Date: 1/04/88
Page: 13 of 14

Box	Depth	Structures (angle to core axis)	Fractures and Veins – Angle	Nature	Geol.	Minerals and Alterations (py, mt)	Sample #	TS #	Description
35									
	218	S1 75				•	5683	✓	5
			F50	Rø, CHL, cc					
			2F35	Rø, CHL, cc					
	220								
			V50	Q					
36		S1 75	F15	SM, CHL					
	222					•			
			F50	Rø, cc					
			V	Q, py, tm		• •			
	224	S1 65	F30	Rø, cc	dGG				
			F20	Rø, cc					
			2F20	Rø, cc					
	226		F60	SM, CHL		•			
			F30	Rø, cc					
37		S1 75	F20	Rø					
			F15	Rø, cc		•			
	228		F15	Rø, cc					
			F30	Rø, CHL		1-5% ; possibly minor po	5684		10
	230	S1 65	2F60	V, CHL, cc, py					
			F60	Rø					
			F30	SM, CHL					
			F60	Rø, CHL		•			231.0 coarse py > 1 cm
38									
		S1 65	F30	Rø, cc					
	234		F20	Rø, cc		•			

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-10
Geologist(s): [illegible]
Date: 1/04/88
Page: 1[illegible] of 14

Box	Depth	Log	Grain size	Texture	Structures to core axis	Fractures and veins: Dens.	Angle	Nature	Colour	Minerals and Alterations	Sample #	TS #	Description
							V70	Q					
38													
	236				S₁ 80								
							F60	SM					
			1 GG						dGG				
	238						F60	SM, CHL					
							2F60	SM, CHL					
39					S₁ 80		F40	RF, CC					
	240						V70	Q					
							F40	RF, CC					
	242				S₁ 65								
40							F30	SM, CC					
											5685		<5
	244												EOH 244

[signature]

COGEMA Canada Ltée/Ltd.

Form SDG-45

DIAMOND DRILL HOLE RECORD

BURNTBUSH RIVER PROJECT

DRILL HOLE NO.: BUR-11

CLAIM NO(S).: L789304
TOWNSHIP : Hoblitzell
DATE BEGUN : 18/03/88
COMPLETED : 22/03/88
LOGGED BY : R. St-Jean

CONTRACTOR : Les Forages Foranord
CORE SIZE : BQ
DRILL FLUIDS: H_2O

COLLAR CO-ORDINATES

	GRID	UTM
X:	2000W	≃580150E
Y:	775N	≃5484000N
Z:	≃285	

DEPARTURE: AZIMUTH: 180°
INCLINATION: -45.5°
CHECKED BY: J. Learn

DEVIATION RECORD

DEPTH	AZIMUTH	DIP	METHOD
60m		41°	HF 4%
120m		41°	HF 4%
180m		40°	HF 4%

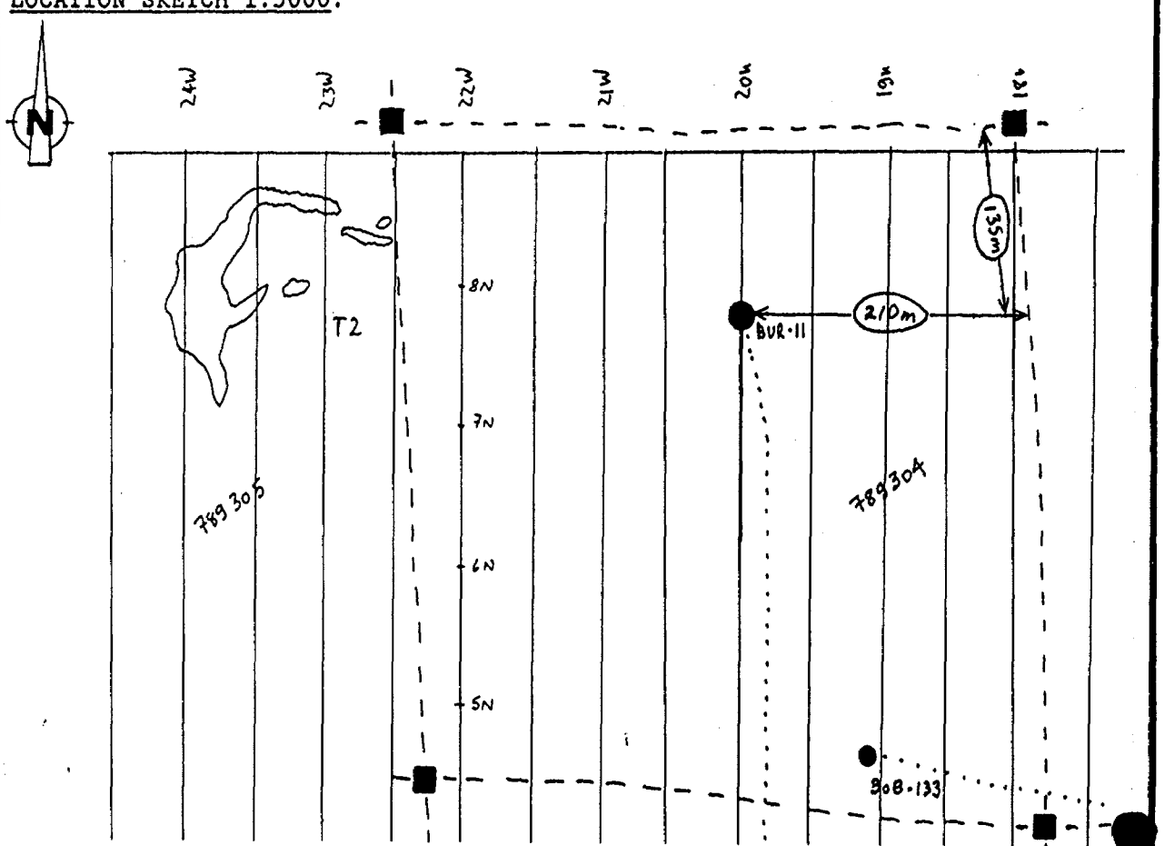
CHECKED BY:
J.Learn, R.St-Jean, S.Ball

DEPTHS: OVERBURDEN: 19.3m
END OF HOLE: 217.0m

HORIZONTAL COMPONENT: 163m
VERTICAL COMPONENT : 143m

REMARKS: drill floor to ground level not measured, ≃0.5m; casing pulled

LOCATION SKETCH 1:5000:



COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR
Geologist(s): R. St. Jean & S. Ball
Date: 21-03-88
Page: 1 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot. F	Géot. R	Colour	Minerals and Alterations	Sample #	TS #	Description
	16															max 480 ppb / 53 ppb (Chantec) puis 30 ppb
	18															0.00 - 19.30 OVERBURDEN
	20		V			S1 75		V30	cc,Q					5686		<5 19.30 - 149.4 Feldspar amphibole schists. Fine grained well foliated mafic flows (or sheared gabbro?) Pervasive chlorite alteration. Pervasive carbonates (calcite) alteration; calcite is found on most fractures and frequently in veinlets or foliation planes. Pyrite and pyrrhotite are common and found finely disseminated or in small veinlets. Several quartz "pockets" are found - generaly contacts are very unclear.
			V				BKN	E75	Ro,cc							
								F10	H,Q,cc				I			
	22		V					F25	Ro,cc, ch	0				5687		<5
1			V			S1 65										
					Foli			2F40	Ro					5688		<5
	24		V					F50	Ro							
			V			S1 37								5266	5266	5
										100						
								F40	Ro,Q,ch					5689		<5
		100						V50	Q,cc,Bx							
	26		V			S1 55		2F45	H,cc			dG-dGG		5690		<5
			V				BKN	F15	Ro							
								F35	H,cc	50						
	28															19.3 - 26.0 much calcite stringers
			V					F35	H,cc				I	5691		<5 20.1 } Dark gray, metalic luster
2						S1 70		V45	Q,ch							21.5 } soft mineral - 1mm flakes graphite ??
			V					F30	V,Q,cc,ch							
	30							3F35	H,cc				I	5692		<5 23.5 - 23.6 Transposed foliation
								F50	Ro,cc, Sg							30.9 - 31.1 Bleached along microfractures
								F30	H,cc							
								Bx	H							
								F20	H,cc					5693		<5
			V			S1 70		F40	Ro							
	32		V					F30	H							
3								F35	Ro,cc							
								F20	H,cc							
								F45	Ro,cc,Sg	100			I	5694		<5
	34		V V					F25	Ro,cc							

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COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR1 | Date: 21-03-88
Geologist/s: R.St Jean + S Ball | Page 2 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations: py mt po cpy icc	Sample #	TS #	Description
	34	100	V			S1,74		aV55	Q,ch,py				*I	5267	5	
3	36	60	V				BKN	FZ5	Ro,ch					5695	<5	35.4-36.1 Fault with 15cm clay gouge, "dissolved" foliation planes.
			V				BKN	Ft?								
								FZ5 FZ0	Ro,cc,ch cc,Ro							
			V					FZ0-5	Ro,cc,					5696	<5	
	38		V					FZ0-5	Ro,cc,							
						S1,75								5268	<5	
								FZ5	Ro,PY					5697	<5	
			V									dG-dGG				
4	40						BKN	FZ15	Ro,cc,ch							40.25-40.85 } Porphyritic dyke
			V					VZ50	Q,cc					5698	<5	41.05-41.25 } "unclear contact"
								FZ30	H							42.10-42.30 }
			V			S1,55		FZ5	Ro,cc,ch							
	42		V					VZ30	Q,ch					5699	<5	
		100						FZ10	H,cc							
								FZ50	Ro,ch							
								FZ0	Sm,cc,ch							
						S1,65		FZ45	Ro,cc,ch							
								FZ45	Ro,ch							
								FZ35	H,cc							
								FZ60	Ro,cc					5700	<5	
	44							FZ30	Sm,ch							
			V					FZ35	Ro,ch,cc lim							
			V											5701	<5	
5	46							VZ60	Q							
						S1,65								5702	<5	46.9-49.8 Much calcite stringers
			V													
			V					FZ20	Q,cc							
	48											dG-mG				
								FZ35	Ro,cc							
								FZ45	H,cc					5703	<5	
						S1,75		FZ75	Ro,cc							
			V													
			V											5704	<5	50.35-50.90 Fault, core breaks easily, quartz veins.
6	50							VZ80	Q,ch							
		60						FZ?85		FZ						
			V				BKN	FZ15	Ro,ch			dG-dGG				
			V											5705	<5	
	52							Ft?F40	H Sm,ch							52.0- Possibly transposed foliation

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 1
Geologist(s): R. St. Jean + S. Ball
Date: 21-03-88
Page: 3 of

Box	Depth	% Rec	Structures (to core axis)	Texture	Colour
6	52	100	S₁ 70		
	54	85			
	56			[Folds]	dG-dGG
7	58		S₁ 65		
	60	100			
8	62				
	64		S₁ 60		
	66				
9	68		S₁ 70		dG
	70				

Fractures and Veins (Angle / Mineral):

Angle	Mineral
F20	Ro
F40	Ro, ch
F55	Ro, ch
F55	Ro, ch, py
F40	Sm, cc, ch
F50	Ro, cc, ch
V35	cc, ch
F20 (BKN)	cc, ch
F40	Ro, ch
F40	Sm, ch
F60	Ro, Ss
F60 (BKN)	Ro, cc
F60	Ss, Sm
F5	Ro, py, cc
F55	Ro, ch
F50	Ro, py, cc
F20	Ro, py, cc
F45	Ro, cc, Ss
F15	Ro, cc
F30	Ro, cc, Q
F40	Sm, cc
F40	Ro, cc
F0-5	H
V50	Q, py
F50	Ro, ch
F30	Ro, ch, cc
3F45	Sm, H
F25 (4cm)	Sm, cc, ch
V40	Q, py
2F25	Ro, ch
F30	Sm, cc
2F25	Sm, py, ch, po
F25	Sm, Ss
F45	Sm, Ss
F40	Sm, cc
F0-10	Ro
F25	H
F30	Ro
V65	Q, ch
F35	Sm (cc)
F60	Sm, Ss, ch
F55	Sm, cc
F0-5	Ro, cc, po
F25	Sm, ch, cc
3F65	Sm, ch, cc
F55	Sm, ch, cc, py
F60	Sm, ch, cc
2F50	Sm, ch, cc

Minerals and Alterations: py, mt, po, cpy ... cc (1-2%, 1%)

Sample #	TS #	
5706		<5
5707		<5
5708		<5
5709		<5
5710		<5
5711		<5
5269	5270	15
5270		<5
5712		10
5713		<5
5271		10
5714		<5
5715		<5
5272	5273	<5
5716		<5
5273		<2
5717		<5

Description

59.4-62.6 Finely disseminated Py, Po, Cpy

60.5-64.8 Silicified
60.8-60.9 2 mm garnets

61.15-61.42 Very sheared quartz vein - saccaroidal texture, pyrite, amphiboles

64.5-65.9 Several quartz veins

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 1[?]
Geologist(s): R. St. Jean + S. Ball
Date: 21-03-88
Page: 4 of

Box	Depth	% Rec	Lith.	Structures to core axis	Fractures and Veins (Angle)	Nature	Colour	Sample	cc	Description
9	70		V V		8KN; F45; V70	H,Q,cc; Q,ch	mGG	5717		
			Q					5718	<5	71.15 - 73.15 White quartz vein, includes some white feldspar and chlorite
	72		Q Q Q		F35; F30; 2F40; F25	Ro; Ro; Ro; Ro,cc	W	5719	<5	73.15 - 74.7 Extremely sheared, chloritized
10	74		V V	S_2 30-50	F65; E40; F20	Ro,cc,py; Sm,ch,cc; H,cc,py	dGG	5720	<5	74.7 - 75.9 Quartz as above
			Q Q		F50; F55; F20	Ro; Ro; Ro	W			75.9 - 76.8 Sheared rock with chloritous quartz
	76		V V		F40; F40; F50	Ro,ch; Ro,py,ch; Ro	W+dGG	5721	<5	76.8 - 77.7 Quartz as above
					V55	Q,peg, ch		5722	<5	
11	78	100	V V	S_1 65	2F30; F30; F30; F45	Sm,cc,ch; Ro,cc,ch; Ro; Sm,cc,ch		5723	5	
	80		V V		F50	Ro,Ss	dG-dGG	5724	5	
	82		V V		F45; F30; F25; F55	cc,H,Bi,Gx; H,cc; Ro,py; Sm,cc		5725	10	
								5726	<5	83.7 - 88.1 Much calcite veining in foliation planes.
12	84		V V	S_1 70; S_1 65	F0-20; F45; F45; F50	H,cc; H,cc; H,cc; Sm,cc	dG - mG	5727	15	
	86		V V		F70	Ro,cc		5274	10	86.9 - 87.1 Dyke or chert bed?
			V V	S_1 75; S_1 65	F40; 2F30; F45; F55; F50; F30	Ro,cc; cc,ch,py; Sm; Sm; Ro,cc,py; Ro,cc,py		5728	<5	
	88							5729		

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 11
Geologist(s): R. St. Jean + S. Ball
Date: 21-03-88
Page: 6 of

Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot.	Colour	Minerals and Alterations	Sample #		Description
88							F55	Ro, py			py, multipoint	5729	<5	
							F65	Bo, cc						
							F60	Ro, cc						
							F50	H, cc						
							F65	cc						
							F75	Ro						
90					S,55		F60	Ro, cc				5730	<5	90.6 - 104.6 Poor foliation
							F55	H, cc						
						3	F55	Ro, cc						
13							F60	Ro, cc		dG-mG				
						2	F45	Bx, H, cc				5731	<5	
92														
												5732	<5	
							F65	Ro, ch				5275	<5	
							F60	cc				5733	<5	
94												5276	<5	
						2	F50	H, cc				5734	<5	
							F30	H, cc						
							2F45	H						
96					S,40									
							F45	H, cc						
14												5735	<5	
					S,60									
98	100											5736	<5	
						2	F20	H, cc						
							F30	Ro, cc				5277	<5	
							F35	H, cc		dG-mGG				
						2	F20	Ro, cc, py						
							F50	Ro, cc						
100							2F30	H				5737	<5	
					S,65	2	F55							
							F55	Sm, cc						
							F60	Ro, ch						
							F50	Ro, cc, py				5738	<5	
						2	F15	H, ch, py						
102							F30	H, py, cc						103.0 - 103.1 transposed foliation
						2	F45	Ro, cc, py				5278	<5	
15														
						2	V20	Q, cc, py						
							F40	Sm, py				5739	<5	
104							F65	Ro, cc						
							F65	Ro, cc						
						3	F45	Sm, Sc, cc						
							F20	H, ch						
							2F25	H, cc				5740	<5	
							F65	Sm, ch,						
							F30	H, cc						
16	106						F50	Ro, ch, py				5279	20	

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 1
Geologist(s): R. St. Jean + S. Ball
Date: 21-03-88
Page: 6 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Dens.	Fracture Angle	Fracture Nature	Colour	Minerals and Alterations	Sample #	TS #	Description
	106		V					F45	Ro, cc		py mt po epy	5741		<5
			V					F85	Bx, H, cc					
								F45	Ro					
								F15	Ro, cc, ch					
	108							F40	Ro, cc, py			5742		<5
			V					F60	Ro, cc					
16						FOLDS		F55	Ro, cc					
								F50	Ro					
			V					F50	Ro, cc					
								V35	cc, ch					
	110							V50	Q, ch	dG-mGG		5743		<5
								F45	cc					
						S,55		ZF45	H, cc					
			V					F60	Ro					
								V20	ch, cc					
								F65	Sm, ch			5744		<5
								Bx						
								3F20	Ro, cc					
								F50	H					
	112							F60	Ro, cc					
								F40	Sm, cc, ch					
			V					F50	Sm, ch, cc			5745		<5
								F60	Ro, cc					
								F40	Ro, cc					
						S,75		F50	Ro, cc					
								F25	Ro, cc					
			V					F30	Ro, cc			5280		70
								F35	Ro, cc	mBN-dG				
	114							F40	H, ch, cc					
								F35	Sm, ch, cc					
17								F45	Ro, cc			5746		<5
								F60	Ro, cc					
								Bx						
						S,65		ZF56	Sm, cc, py					
		100	V											
								F40	H, cc			5747		<5
			V					F30	H, cc					
	116							F25	H, ch					
								F15	Ro, cc, py			5281		5
								V75	Q, ch, py			5748	5282	<5
			V					F15	Ro, cc, ch					
												5282		4
			V					F50	Q, ch					
								F20	Ro, ch, py					
	118							F45	Sm, cc	dG-dBN				
								F50	Sm, cc			5749		<5
								4F40	Bl, cc, H					
			V					2F20	H, cc					
						S,75		F30	Ro, cc			5283		80
	120		V					F20	Ro, cc, py					
18						S,70						5750		<5
								F60	Ro, py					
								2F40	Ro, cc					
			V					F40	Ro, cc					
						S,80		6F45	H, cc			5751		<5
	122							F20	Ro, cc					
								F10	Ro, cc					
			V					F25	Ro					
								V45	cc, ch, py					
								F60	Ro, cc, py					
19								F55	cc			5752		<5
	124		V											

113.0 - 114.0 Brown alteration

118.05 - 118.15 } Strong carbonate alteration
119.1 - 119.4 }

123.7 - 124.0 Garnets, diameter up to 1 cm

NOT DONE

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR1
Geologist(s): R. St. Jean + S. Ball
Date: 21-03-88
Page: 7 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Cont F	Cont R	Colour	Minerals and Alterations: py lmt po ccpy ICC	Sample #	TS #	Description
	124		V					F55	H,cc					5753		<5
			V			5,75		F40	H,cc							
								F55	Ro,cc,py			dG-dBN				
	126		V											5754		<5
19			V													
								V65	cc,ch					5755		<5
	128		V					2F50	H,cc					5284		15
			V					F20	Ro,cc					5756		<5
								F15	Ro,cc,py					5285		60
							BKN	F20	Ro,py							
									H,py,ch							
									ch,		0					
	130		V					F25	Ro,cc,py			mG-dBN		5757		<5
			V					F35	Ro,cc							
								F50	Ro,ch,py							
								F15	Ro,cc,py							
								F30	py,cc							
								F40	H,cc,ch							
20	132		V					F35	Ro,cc					5758		30
			V					2F60	Ro,cc,Bx		4					
								F35	Ro,cc							
							BKN	F+F80	H,Bx,cc							
		100						V65	cc,py							
								F35	H,cc, Bx					5759		<5
								F30	Ro							
								F+	BKN							
	134							Bx	cl			mGG				
								V65	Q,ch					5286		<5
								F15	Ro,ch,cc py							
			V					F35	Ro,cc					5760		<5
								F35	Ro,cc							
								F10	Ro,cc,py							
								2F25	H,Ro,cc							
	136		V									dG-dBN				
								2F25	H,cc					5761		<5
								F60	Sm,ch							
			V					3F80	Bl,cc							
								F20	Sm							
								F25	Ro,cc,py							
21	138		V					4F5F	Ro,cc							
								4F35	H,cc					5762		<5
			V					2F60	Sm,cc							138.9 - 140.6 Massive porphyritic dyke
								F20	H,cc							
								F35	Ro,cc,py					5287		<5
			x-π		Porphyritic			2F30	H,cc			dBN-dG				140.8 3cm porphyritic dyke as above
	140							F60	Ro,cc,py							
			π x					F0	H,cc					5763		<5
								F45	H,ch,cc							
22						5,85		F30	Ro							
			V									dG-mG				
								3F45	H,cc					5764		<5
	142		V					F20	H,cc							
								F40	Ro,cc							

NOT CORE

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1//00

Drill hole no.: BUR 11
Geologist(s): R. St. Jean + S. Ball
Date: 22-03-88
Page: 8 of

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures Dens.	Fractures Angle	Fractures Nature	Geol. F	Geol. R	Colour	Minerals py	Minerals lmt	Minerals po	Minerals cpy	Minerals cc	Sample #	Description
	142		V					F65	Ro,cc									5764	
								F40	Ro,cc,ch										
								F50	cc,ch										
								F60	Ro,cc,ch										
								F20	Ro,cc,ch										
			V					2F70	Ro,cc									5765	<5
22	144					S,50		F25	Ro,cc										
								F40	Ro,cc,ch										
									ch									5766	<5
			V					F60	Ro,Ss,cc										
								4F45	H,cc									5288	<5
	146		V																145.7 Garnets are appearing in Feldspar amphibole schists
																		5767	<5
			V																
	148		V															5768	5
			V			S,60						dG-mG							
23			V																149.4 - 151.4 Dioritic schist.
			X					F45	Ro,cc									5769	10
	150		X			S,65		F25	Ro,cc										coarse grained, granoblastic? texture, massive slightly sheared intrusive Diorite
			X															5289	25 shows a weak foliation.
			X			S,55		F40	Ro,cc,py										
		100	X					F20	H									5770	<5 151.4 - 159.2 Feldspar amphibole schists
			V																fine grained weak foliation, garnet
	152		V			S,70		F60	Ro										porphyroblasts mafic flow (or
								F30	H,cc									5771	<5 sheared gabbro?)
			V					F20	H										
								FS-10	H,cc,py										Slightly pyritized
			V					F10	Ro,py										
	154							F35	Sm,cc									5772	20 Few quartz veins
			V					V45	Q,po										
24								F10	Ro,py										
			V					F40	Ro,py									5773	5
	156					S,70													
			V					F30	Ro,py										
																		5774	480
			V			S,70													
								F60	Ro,cc,py										
			V					F30	Ro,cc,py										
25			V															5775	15
			V					F5	Ro,cc,py										
			X					F15	H										
	160		X					F10	H,cc									5776	

NOT DONE

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1//00

Drill hole no. BUR 1
Geologist(s) R. St. Jean + S. Ball
Date 22-03-88
Page of

Box	Depth	% Rec	Log	Structures to core axis	Fractures and Veins: Angle	Nature	Colour	Minerals and Alterations	Sample #	TS #	Description
	160		X X	S,60?	F5 2F15 F20	H,cc H,cc Ro,cc,py	dG-lG		5776		25 <u>159.2 - 177.0</u> Diorite schists as above
25	162		X X				dG-mG				
	164		X X	S,45	V70	Q,cc		NOT DONE	5290	5290	26 164.15 - 164.45 Feldspar amphibole schists as above. (May be a piece of wallrock "floating" in diorite ?)
26.	166		X X		F20 F50 F35 F45 F40 F20 2F45 F30 F45 F5 F30 F35	Ro,cc Ro,cc py Ro,cc Ro,cc Ro,cc Sm,cc Ro,cc,py Sm,cc,py Ro,ch,cc Ro,cc Ro,cc	mG-lG	1%			
	168		X X		V20	cc,po,Q	dG-mG	1%			
	170	100	X X	S,60	F20 2F15 V45 V25 V35 F40	H H Q,py Q,py,ch Q,ch Ro	mG		5291		65 170.0 - 170.5 Sheared quartz vein ?
27	172		X X				dG-mG	1-2%			
	174		X X		F20 F65 F55 F40	Ro,cc,ch,py Ro Ro Ro,cc	mG-dG		5292		20 174.5 - 175.35 Sheared quartz vein ?
28	176		X X	S,60 S,40	V35 F45	Q Ro,py	dG-mG	1-2%	5293		5 <u>177.0 - 178.5</u> Feldspar amphibole schists as above
	178		V V								

Grain size column: GT, GROUNDMASS

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 1 · Date: 22-03-88
Geologist(s): R. St Jean + S. Ball · Page 10 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures ∠ core axis	Fractures and Veins: Dens.	Angle	Nature	Géot. F	R	Colour	Minerals and Alterations	Sample #	TS #	Description
	178		V X					F40	Ro,py,cc							177.9 - 178.1 Diorite schists as above
								F15	Ro,PY			dG-mG				
28		100	X X			S,45		3F25	H,cc							178.5 - 217.0 Diorite schists, as above. more sheared
	180		X					F30	Ro,cc,py			lG-mG		5294	5294	53 · 179.6 - 181.1 Sheared quartz vein?
			X					F15	Ro,cc							
			X					F15	Ro,CC							
	182		X			S,75										
			X					F10	H,cc,ch,py			dG-mG				
	184		X					F50	H,cc,ch							
								V30	cc,ch,Q							
								F40	Ro,cc,PY				NOT DONE			
29			X					F0-5	H,Q,ch							
								F15	H,cc							
			X					F30	H,cc							
	186		X					F0	H,cc,ch			lG-mGG				
								F40	Ro,py,ch							
			X					F20	H,cc,ch							
								2F45	Ro,cc,PY							
			X			S,80		F40	H,py							
								F5	H,cc							
	188					S,70		F30	Sm,cc,PY			dG-mGG		5295		45
			X													
30			X													
	190		X					F0-5	Q,ch (vein?)			lG-mGG				
			X			S,80		V55	Q,cc,ch							
								V45	Q							
	192		X X													
								F15	H,cc							
	194		X									dG-mGG				
31			X					V45	Q,ch							
								F65	Ro,ch							
	196		X					V55	Q,ch,PY							

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 11
Geologist(s): R. St. Jean + S. Ball
Date: 23-03-88
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Box	Depth	% Rec.	Log	Structures to core axis	Fractures and Veins: Angle	Nature	Colour	Minerals and Alterations (py, mt, po, cpy, ... cc)	Sample #	T.S. #		Description
	196		X							TS 196.25		
31	198		X X		V55	Q		py 2%	5296	5297	<5	197.4 - 199.55 Porphyritic dyke? or Xenolith - with rounded quartz - light augen texture
			X						5297		9	
	200		X X		F25 / F30 / F15 / F30	Ro,cc,py / Ro,cc,ch / py Bl,ch / Ro,cc						
32			X X	S,85	F20	Ro,cc	dG-mGG					
	202		X X									
					V30 / F50 / V30	Q / Ro,cc / Bl Q,cc						
	204		X X	S,85				NOT DONE				205.4 - 210.5 Several altered silicified zones
	206	100	X X		F40	Ro,cc,py			5298		<5	
33			X	S,80	F30	Ro,cc						
	208		X				dG+mGG					
			X		F20	Ro,cc,py						
	210		X	S,70	F15 / 3V50	Bl,cc / Q,ch,py		1-2%				
			X X	S,75	2F50 / F60 / F20 / V35	Ro,cc,py / Ro,py / Ro,py / Q,ch,fspr		1%				
34	212											
	214		X X									

Log column annotations: Gx (201–210)

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 11100

Drill hole no. BUR11
Geologists: R. St-Jean + S. Ball
Date: 23-03-88
Page 2 of 12

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures % core axis	Fractures Dens.	Fractures and Veins Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations py	mt	po	cpy	cc	Sample #	Description
	214		X					-V55	Q,ch,py,po										214.5 - 215.5 Several altered silicified zones.
			X															5299	<5
34		100				S,80		-V70	Q,ch,po										
	216		X					F10	H,cc			dGtmGG							
			X																
35			X					zV40	Q,cc										217.0 EoH
	218																		

NOT DONE

SDG-44

COGEMA Canada Ltée/Ltd.

Form SDG-45

DIAMOND DRILL HOLE RECORD

BURNTBUSH RIVER PROJECT

DRILL HOLE NO.: BUR-12

CLAIM NO(S).: L789239
TOWNSHIP : Hoblitzell
DATE BEGUN : 20/03/88
COMPLETED : 23/03/88
LOGGED BY : R. St-Jean

CONTRACTOR : Les Forages Foranord
CORE SIZE : BQ
DRILL FLUIDS: H_2O, polydrill, bentonite, GS550

COLLAR CO-ORDINATES

	GRID	UTM
X:	5900W	≈576200E
Y:	0+50N	≈5483000N
Z:	≈289	

DEVIATION RECORD

DEPTH	AZIMUTH	DIP	METHOD
62m		45°	HF 4%
122m		42°	HF 4%
182m		43°	HF 4%

CHECKED BY: J.Learn, R.St-Jean, S.Ball

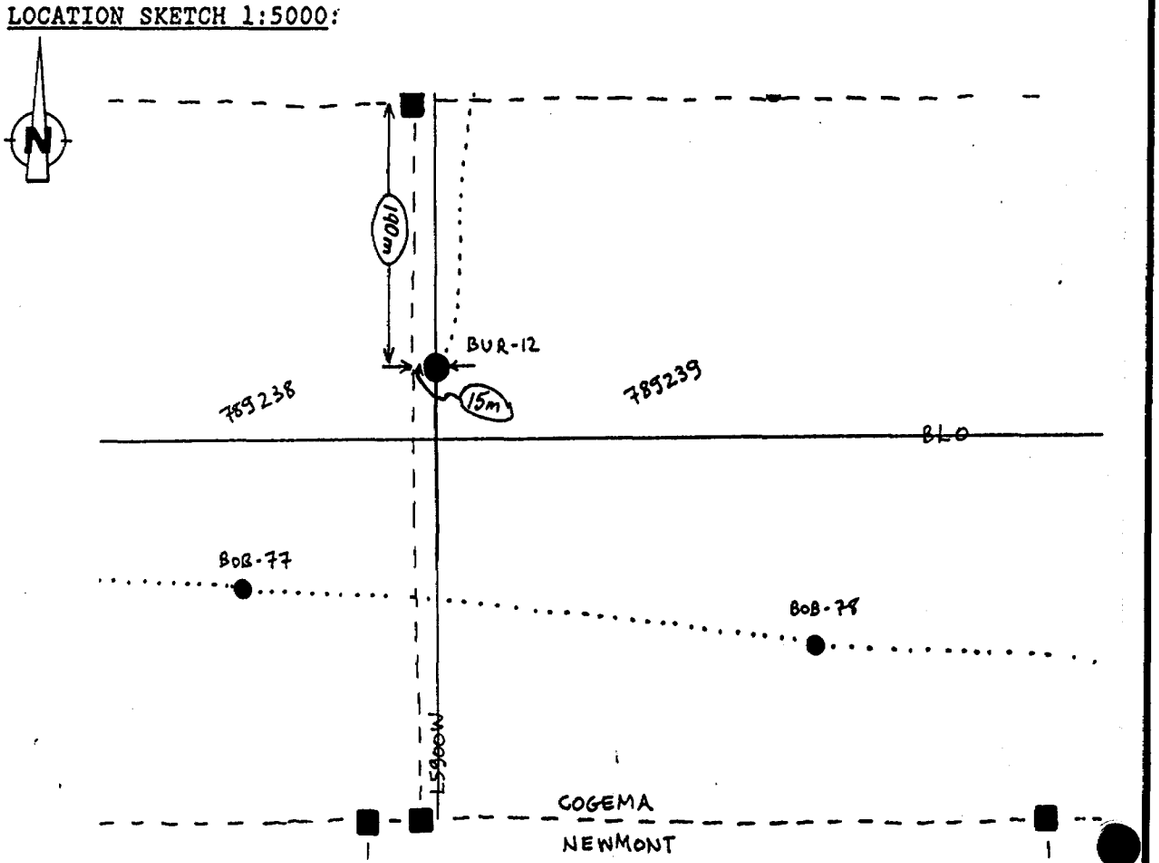
DEPARTURE: AZIMUTH: 180°
INCLINATION: -45°
CHECKED BY: R. St-Jean

DEPTHS: OVERBURDEN: 41.0m
END OF HOLE: 191.0m

HORIZONTAL COMPONENT: 138m
VERTICAL COMPONENT : 132m

REMARKS: drill floor to ground level 0.6m, casing pulled

LOCATION SKETCH 1:5000:



COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BURI2
Date: 23/03/88
Geologist(s): R. St. Jean + S. Ball
Page of 9

Depth	Structures to core axis	Fractures Nature	Colour	Sample #	Assay	Description
38–41						0.0 - 41.00 OVERBURDEN
42	S,75 (MYLONITE)	F40 Ro, fluorite?; F45; F35 Ro, lim; BKN	dG+lGG	5315	<5	41.00-147.35 Granodiorite porphyry intrusive. Coarse grained, granoblastic texture, more or less rounded quartz porphyry granodiorite.
44	S,75	F35 Ro, lim; F35 Ro; F45 Ro, lim		5316	<5	Slightly foliated, slightly sheared relatively fresh rock.
45	S,65 (STRONGLY SHEARED)		mPG	5317	<5	
46		F40 Ro; F40 Ro; F15 Ro; F60 Ro, chl; F50 Ro, lim; F20 Ro		5318	45	41.0 - 77.7 Strongly to extremely sheared, strongly to extremely altered, pyritized. Recovery is very bad
47–48	S,55	F0-10 Ro, lim; F35 Ro; F25 Ro, chl; F30 Ro		5319	20	41.0 - ~44 Mylonite "fluidal folding" pinkish colour locally strongly pyritized.
49	S,75	F25 Ro, cc; F45 Ro, lim; F50 Ro, lim; F50 Ro, lim; F35 Ro, lim	PG-mGG	5320	30	
50		F35 Ro, lim; F50 cl; BKN				~44 - ~53 Very strongly sheared, faulted
51–52		F30 Ro		5321	40	~49 - ~60 Bluish, soft fibrous mineral → Vivianite
53		F20 Ro, py				~ 53 - ~ 55 Mylonite
54–55	MYLONITE / FOLDS	F30 Ro; F10 Ro; F30 Sm; F25 H; BKN	mBN+mGG	5322	65	~ 55 - ~ 59 Fault, very broken core, limonite
56						

Mineralization and Alterations (py, hm, po, mag ... cc): NOT DONE

LOG 1/100

Drill hole no.: BUR-12 Date: 23-03-88
Geologist(s): R. St. Jean + S. Ball Page of 9

Box	Depth	% Rec	Log	Texture	Structure to core axis	Fractures and Veins: Dens.	Angle	Nature	F/R	Colour	Minerals and Alteration	Sample #	TS #		Description
	56		+				? F45, F20	Ro, Ro,lim	F	mBN+mGG	NOT DONE				
	58	30	π				? F50	Ro,py	0			5323		140	
3			+			BKN Ft	F35	Ro,lim							~59 - 67.7 Mylonite; "Fluidal" deformation, Many quartz injections with arsenopyrite? or white pyrite. Strong pyritization Strong limonitization
	60		π		S, 75				10	mGG		5324		550	
		50	+												
	62		π		S, 80	BKN			F			5325		180	
	64	90	+	MYLONITE	S, 80		F40	Sm,ch	10	mG-mGG		5326		130	
4			+												
	66	40	π						10			5327		35	67.7-68.5 Fault: soft white clay gouge
	68		+				? Ft ?	cl	FF						68.5 - ~77.7 Very strongly sheared, quartz injections with pyrite and arsenopyrite?
	70	70	+ π	SHEARED	S, 80	BKN			0 VF	mG-2BO		5328		160	
5			+												
		70	+	STRONGLY					0 F			5329		230	
	74		π												

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR12
Geologist(s) R. St. Jean + S. Ball
Date: [illegible]/03/88
Page [redacted] of 9

Box	Depth	% Rec	Log	Texture	Structure to core axis
	74		+		
5		35			
	76		+	GRANOBLASTIC / PORPHYRIC	
					S,85
	78		π		
		90			
6			+		S,80
	80				
		90			
	82		+		
	84		π	STRONGLY SHEARED	S,85
		90			
7	86		+		
		80	+	GRANOBLASTIC PORPHYRIC (QTZ PHENOS)	
	88		π		
		60	+		
8			+		
	92		π		

Fractures and Veins (Dens. / Angle / Nature): BKN; F15 Ro, lim; F35 Ro, lim; F25 Ro, lim; F30 Ro; F40 Ro, lim; F20 Sm, lim; F30 Sm; F30 Ro; 3F25 Ro, lim; BKN; F30 H, Q; F40 Ro; F40 Ro; F35 Ro, lim; F30 Ro; 15F70 Ro; F30 Ro, lim; BKN; F30 Ro, lim; F30 Ro, lim; F50 Ro; F40 ch; F50 Sm, lim; 3F60 Sm, ch; F20 H; V85 Q, musc; F5-10 Ro, lim, Sl; BKN

Grain size: mG-10; mGP, mO; dG-mG; mPG-10; mG-mO

Minerals and Alterations (py, tm, po (mag), … lim, cc): NOT DONE; py 2-3 %; 1%; 1-2 %

Sample #	TS # / value
5330	170
5331	20
5332	<5
5333	<5
5334	<5
5335	5
5336	150
5337	30
5338	480

Description

~77.7 - 83.8 Relatively fresh granodiorite, lightly limonitized.

83.8 - ~86 Strongly altered strongly sheared mafic flow xenolith? Strongly pyritized. Blue quartz eyes.

~86 - ~90.4 Relatively fresh granodiorite.
87.5 - 87.6 Strongly sheared, pyritized.

~90.4 - ~96 Mylonite. Shows plastic deformation. Strong alteration, pyritization. Quartz veining and injection with pyrite.

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-12 Date: 23-3-88
Geologist(s): R. St. Jean + S. Ball Page [redacted] of 9

Box	Depth	% Rec	Log	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Colour	Minerals and Alterations (PY, tm, po, mag ... lim, cc)	Sample #	TS #	Description
	92		+	MYLONITE			F0-10	Sm, Ro, lim					
8	94	50	+			BKN			mG-mO	1-2%	5339	135	
	96	90	π		S 70		F45, F45, F40, F55	Ro; Ro; Ro, lim; Ro, lim			5340	15	~96 - ~104 Fractured granodiorite with limonitization, chloritization
9	98		+				F10, F15, V80	Ro, lim; lim; tm, cc			5341	<5	97.55 Tourmaline with pink alteration around it
			+			BKN	F20, V0, F35, F35	Ro, ch; Q; cl; Ro, ch, lim	mPG-mO	NOT DONE	5342	15	
	100		π		S 80	QTZ	F45	Ro, lim					101.0 → 101.6 "Dissolved" foliation planes.
							2F50, F50	Ro, lim; Ro, lim			5343	5	
	102		+	GRANOBLASTIC PORPHYRIC			F45, F35	Ro, lim; H			5344	<5	
10		100	+			BKN	F0, V	cc, ch, Bx; Q, tm, ch			5345	45	
	104		π				F40, F10, F20	Sm, ch; Ro, ch; Ro			5346	5	~104 - 114.5 Relatively fresh granodiorite.
	106		+				F55, F25, F30, V40, F50, F50	Ro; Ro, py; Ro, lim; H, Q; Ro; Ro			5347	<5	
			+				F40, F40, F10	Ro; Ro; Ro					
11			π				F20	Ro	mPG-mGP				
			+				3F40	Ro					
	110		+										

Geot. R column: 0, 20, 30, 50, 90, 100

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-12
Geologist(s): R. St. Jean + S. Ball
Date: 23-03-88
Page: [illegible] of 9

Box	Depth	% Rec.	Log	Texture	Structures to core axis	Fractures and Veins – Dens.	Angle	Nature	RQD	Colour	Analyses	Sample #	Result	Description
	110		π				F35	Ro						
11							F0	Ro			NOT DONE			
							F25	Ro	100					
							F30	Ro						
							F40	Ro						
							F35	Ro			DONE			
	112		+				F30	Ro		mPG-mGP				
							F60	Ro						
							F50	Ro						
	114		+				F15	Ro, Q						
12							F30	Ro, ch	50					
							F25	Ro, ch						
							F40	Ro, ch						
			π	PORPHYRIC			4F35	H, V, Q, ch		mPG-lBN				
							3F40	Ro, ch						
	116						OKN							
			+				5F45	H, V, Q						
					S_1 75		6F65	Ro, ch, cc						
							4F70	H, cc						
			+				F35	H, cc						
	118						F55	Ro, ch						
							3F33	H, ch						
							F5	Ro						
			π				F45	Ro						
							F43	Ro						
							F30	Sm, ch						
13		100					3F50	H, cc						
						F40 Ro	F0	H, ch						
	120		+	GRANOBLASTIC			F50	V, cc						114.0 → 123.0 Tensional fractures ?
					S_1 75		F0	Ro, cc, ch, lim						
							F25	Ro						
	122		+				4F25	H, cc		mGP-lPG		5300	<5	
							F0	V, Si						
							F30	Ro, cc						
			π				V55	Q, ch				5348	<5	
	124						F45	Ro						
							F0-5	H, Q, cc						
14							2F35	Ro, lim				5301 (5301)	<2	
			+		S_1 70		F35	Ro						
							F50	Ro						
							F45	Ro				5349	<5	
			+				F10	Ro, cc						
			π				F35	Ro, lim		dPG-mPG				127.3-132.7 Sheared granodiorite. Stretched feldspar and quartz.
15	128											5350	<5	Silicified. Several pegmatitic veins with [illegible]

Grain size column annotation: QTZ

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-12
Geologist(s): R. St. Jean + S. Ball
Date: 24-03-88
Page [illegible] of 9

Box	Depth	% Rec	Lith.	Texture	Str.	Fractures and Veins: Angle	Nature	Colour	Minerals and Alterations	Sample #	TS #	Description
	128					F40	Ro, cc		DONE	5350		
						V50	Q, cc, Bi, musc					
			+			V55	Q, musc, fspr			5401		<5
	130					V85	Q, lim, Bi					
			+		S, 75	F10	H, cc, lim		• I	5302		<5
						V40	Q, tm, fspr.					
15						F20	Sm, cc			5303		<5
						2V55	Q, fspr, tm, cc.					
						F20	Ro, lim			5402		<5
						F15	Ro					
						F20	Ro, ch					
	132		π	PORPHYRIC		F30	Ro	dPG -mPG	1%			
						F15	H, cc			5403		<5
						V45	V, Q					
	134					F20	Ro, lim			5304		<5
			π			F0	Ro, py, cc, lim					
					S, 75	2V45	Q, py		2%			
						2F30	H, cc					
		100				F30	Ro					
16	136					6F15	Ro, cc, lim					
			+	GRANOBLASTIC		4F20	Ro, ch, Q, lim					
						F20	Ro, lim, Q					
						F30	Ro, lim, Q, ch					
	138					2F35	Ro, lim					
			+			F20	H, Q					
						V80	Q, cc, cpy					
						F20	Sm, lim, ch					
	140		π			F30	Ro	dPG- mPG				
						3F30	H, ch?					
						F15	Ro, cc, ch					
						F60	Ro					
						F20	Sm, ch, cc					
17			+			F15	Sm, cc					
						F60	Ro, cc, ch					
						F10	H, cc					
	142					F30	Ro					
			+			F20	H, Q, fspr					144.7 - 145.05 Sheared, altered granodiorite.
						2F45	Ro					
						F60	Ro					
	144		π		S, 70	2F50	Ro, cc					145.05 - 145.5 Tuffaceous xenolith pyritized, sheared.
						F15	H, Q		1%	5305		5
18										5306		5
	146		+			F60	Ro, cc					

Column headings: Box, Depth, % Rec, Lith., Grain size mm, Texture, Str. to core axis, Fractures and Veins (Deps., Angle, Nature), Geot. F/P, Colour, Minerals and Alterations (py, tm, po, mag, … lim, cc), Sample #, TS #, Description.

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no. BUR-12 Date: 24-03-88
Geologist(s): R. St. Jean + S. Ball Page 4 of 9

Box	Depth	% Rec	Log	Grain size mm	Structure	Structure to core axis	Fractures and Veins Dens.	Angle	Nature	Geot F	Geot R	Colour	Minerals and Alterations	Sample #	TS #	Description
	146		+					F10	Ro,cc							147.35 - 158.20 Feldspar Amphibole schists.
			+					F30	H,cc							
								F55	H,cc					5307	10	fine to very fine grained, banded to
								F35	Ro					5308	25	massive, well foliated mafic to
18	148							F45	Ro,cc							intermediate tuffs.
																Blue quartz rounded "eyes"
								F20	Ro,cc							Pyrite, pyrrhotite is common.
	150					S,80										Quartz injections
								V70	Q,po,py			dG-mG				
								F25	Ro,cc							
	152	100														
19								F40	Ro							
								F50	Ro,py,cc							
								V20	Q,cc							
								F30	Ro							
	154							F50	Ro,cc						5309	
														5309	8	
						S,60										
	156							F35	Ro,cc							
								F20	Hc							
								V80	Cc,Q							
								F40	Sm							
								V85	Q,cc,Ch,py							
								V90	Q,cc,py,Ch							
	158		+			S,75								5310	5	158.20 - 181.60 Granodiorite porphyry intrusive
								FO-5	cc							As above.
20								V85	B,py							large lenticular feldspar porphyry.
								FO-5	Hc,cc							
			TI					F25	Hc,cc							158.2 - 161.0 Sheared granodiorite
	160					S,65										
								F30	Sm							
								F30	Sm							
								F35	Sm							
			+					F50	Ro,py							
								F40	Ro							
21								E60	Ro							
			+					E55	Ro							
	164							FO-5	Sm							

GRANOBLASTIC PORPHYRIC — PHENOS — NEMATOBLASTIC — QTZ

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 12 | Date: 24-03-88
Geologist(s): R. St. Jean + S. Ball | Page: [illegible] of 9

Box	Depth	Lith.	Texture	Structures to core axis	Fractures and Veins: Angle	Nature	Colour	Sample #	Assay	Description
	164	+		S, 70	F50	Ro				
					F40	Ro, cc				
					F35	Sm				
					V80	Q, cc				
21	166	+								
				S, 90	F40	Ro				
		π			F20	Ro				
					F85	He, Q, cc				
					F55	Ro				
	168				F30	Sm				
					F30	Ro, py				
					F40	Ro	dP-dG			
		+								
	170			S, 75	F50	Ro				
22					F20	Ro, Q, cc				
		+								
					F20	He, Bl, cc				
					F60	He, Py, cc				
	172		PHENOS		F55	Ro				
		π			F50	Ro, cc				
					F55	Ro				
					F35	Sm				
			GRANOBLASTIC PORPHYRIC		F35	He, Bl, py				
					V85	Py, Stib, [illegible], Q, cc		5311	160	173.40-173.75 Galena in Quartz vein
	174	+			V30	Q, py, bl				
					F30	He				
				S, 75	F60	Ro				
					V30	Q, Tm		5312	<5	174.3 Tourmaline in quartz vein
		+			F60	Ro				
	176			S, 60	F55	Ro				
23					F65	Ro				
		π			F40	Ro				
					F15	Sm, py				
	178				F20	He				
					V45	Q, cc				
					F40	Sm, py	dBN-dP			
		+			F50	Sm				
					2 F55	Ro				
					F15	He, cc				
					F45	He, cc				
					F0,5	He, cc				
	180	+			F0.5°	Sm				181.60 - 191.00 Feldspar Amphibole schists
				S, 50						
24		π			F40	Sm				As above
					F35	cc, He, py				
					F25	He, cc				
					V30	He, cc, py				
	182			S, 65	F35	Sm		5313	<5	
					F60	He, cc				

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR 12
Geologist(s) R. St. Jean + S. Ball

Date: 24-03-88
Page 8 of 9

Box	Depth	% Rec	RQD	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geol F	Geol B	Colour	Minerals and Alterations py	Sample #	TS #	Description
	182															
24					NEMATOBLASTIC			F50	He				<1%			
	184							V60	Q,py,cc,ch							
								V80	Q,cc,py							
								V70	Q,py,cc							
						S, 90						dG-mG				
								F40	He,cc							
								F25	Q,cc,py							
								F70	He,cc				< 1%			
	186							J2F5	He,cc							
								F25	cc,epi							
								V85	Q,cc,py							
								2F65	He,cc,py							
								V50	Q,cc,py,ch							
								V510	Q,cc,py				1%			
								F45	Smm							
								V65	cc,He							
								F0-3	He,cc							
25								V65	Q,cc,py							
	188							V85	Q,cc,py							
								V80	Q,cc,ch,py							
						S, 70		F30	Smm							
								V45	Q,cc,ch							
								V70	Q,cc,py							
								F20	Hecc							
								F35	He,cc							
								V60	cc,py,Q							
								2V85	Q,cc,py							
								F40	Ro,cc,py							
	190							V75	Q,ch,cc							
								V70	Q,cc,ch,py							
								V70	Q,cc,py							
								F35	Smm							
26						S, 75		ESS	He,cc				<1%	5314	<5	191.0 EOH
	192															

John St Jean

COGEMA Canada Ltée/Ltd.

Form SDG-45

DIAMOND DRILL HOLE RECORD

BURNTBUSH RIVER PROJECT

DRILL HOLE NO.: BUR-13

CLAIM NO(S).: L789316 / L789317

TOWNSHIP : Hoblitzell

DATE BEGUN : 22/03/88

COMPLETED : 24/03/88

LOGGED BY : S. Ball

CONTRACTOR : Les Forages Foranord

CORE SIZE : BQ

DRILL FLUIDS: H_2O

COLLAR CO-ORDINATES

	GRID	UTM
X:	2000W	≈580150E
Y:	200N	≈5483400N
Z:	≈283	

DEPARTURE: AZIMUTH: 180°

INCLINATION: -45°

CHECKED BY: J. Learn

DEVIATION RECORD

DEPTH	AZIMUTH	DIP	METHOD
53m		45°	HF 4%
120m		42°	HF 4%
188m		40°	HF 4%

CHECKED BY: J.Learn, R.St-Jean, S.Ball

DEPTHS: OVERBURDEN: 27.7m

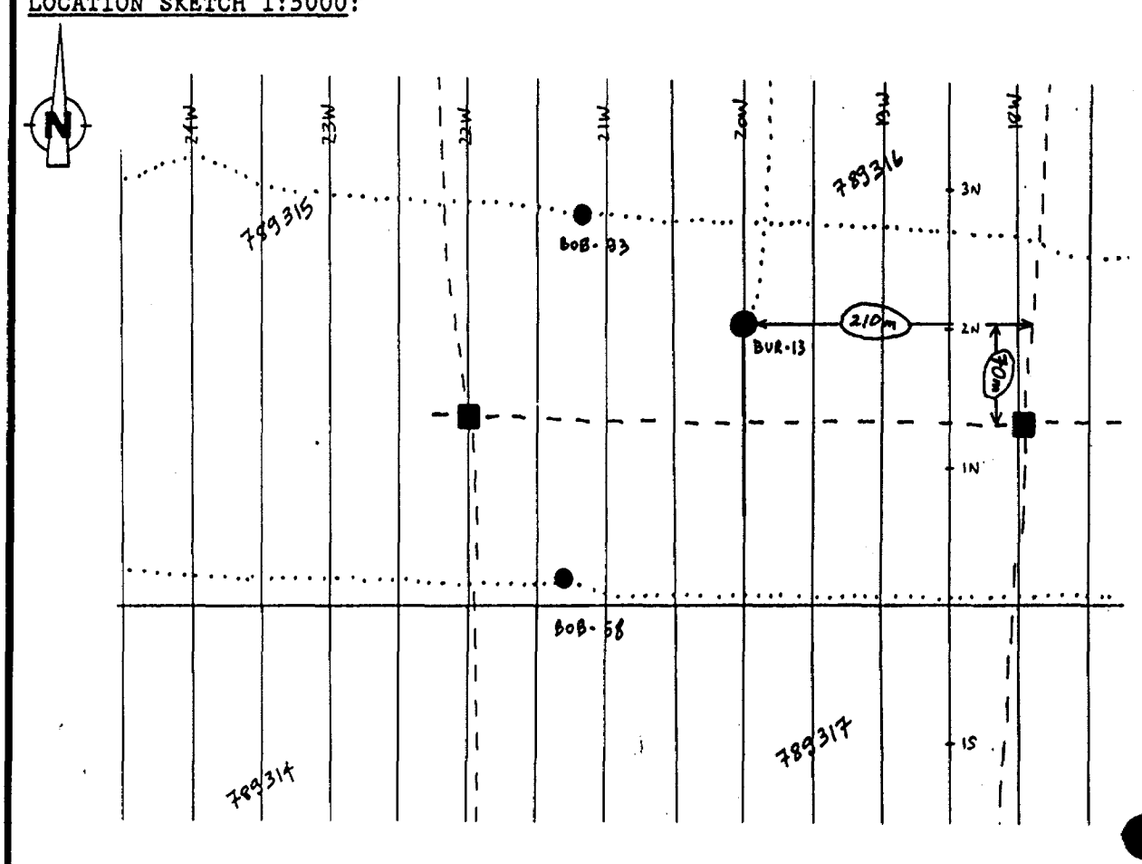
END OF HOLE: 188.0m

HORIZONTAL COMPONENT: 137m

VERTICAL COMPONENT : 128m

REMARKS: drill floor to ground level 0.5m, casing pulled

LOCATION SKETCH 1:5000:



COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/1/00

Drill hole no.: [illegible]
Geologist(s): S. Ball / R St-Jean
Date: 88-03-26
Page: of 10

Box	Depth	% Rec	Log	Grain size mm	Structures to core axis	Fractures Dens.	Fractures Angle	Fractures Nature	Geot. F/R	Colour	Description
	24										260ppb max 21ppb
	26		O/B								0,00 - 27.70 OVERBURDEN
	28			PORPHYRY	S₁ 55	BKN	F60 F40 F35 F60	Sm Sm Sm Sm	NF F / O		27.7 → 30.5 Porphyritic Dyke, Subhedral feldspar phenocrysts in a medium grained groundmass. Intermediate composition. Contacts not observed.
1	30										27.7 → 28.5 Core is broken. Fault
	32	100		GROUNDMASS / PORPHYROBLASTS		BKN			F 5		30.5 → 188.0 Amphibole Schist, fine grained mafic to intermediate flow. Contains numerous hornblende porphyrys and rarer subhedral to euhedral feldspars. Much of the pyrite is very finely disseminated. Foliation is mostly weak to moderate.
	34					BKN BKN	2F75	He, Y		mG BN	≈30.0 → 33.2 Fault. Core is broken
2	36				S₁ 85		F10-15 F35	Sm Sm	40		
	38						F10 F65 F15	Sm Sm Sm			
3	40	96							40	mG lG	
	42						F85 5F35	He, Q He, Bl			

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-13 Date: 88-03-24
Geologist(s) S. Ball /RSt J. Page: [illegible] of 10

Box	Depth	% Rec	Log	Grain size	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Col F/R	Colour	Minerals and Alterations	Sample #	TS #	Description
	42				NEMATOBLASTIC	S1 70		V75	Q						
								F50	He, Bt	75					
3								5F75	He, Bt						
	44							F40	He						
								9F45	He	60	mG / lG				
	46							F0-5	He, cc						
						S1 60		F25 / F35	Sm, cc / He, cc						
4	48							F20	He, cc				5404	TS	<2
		100						3F45	He	75					
	50														49.7 → 50.8 Massive to very weakly foliated
								2F0 / 2F0	He / He	55	mG / BN				
	52														
5						S1 50		F25 / F15	He / He						
	54														
								F0-5	Sm, cc						
	56														
								V55	Q, py		mG / lG				
6	58							F35	He, cc						
								F0	He						
						S1 85									
	60														

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-13
Geologist(s): S. Ball / RSt J.

Date: 88-03-26
Page: 3 of 10

Box	Depth	% Rec	Loc	Grain size mm	Texture	Structures	Fractures and Veins	Colour	Minerals and Alterations	Sample #	TS #	Description
	60											
6							4F30 He,cc F0 He,cc 3F45 He,cc					
	62					S, 60	F25 Sm,cc F35 He,cc					
							F5-10 He,cc					
	64						F50 He,cc V65 Q,Him					
7		0					F10 Sm,epi					
		10						mG				
	66											
	68					S, 55	F50 He	lG				
							F30 Sm,Him					
							F15 Ro					
8	70						F35 Sm,Him F15 Ser,cpx,Sm					75.7 - 76.9 Massive to very weakly foliated
	72						F85 He,cc,Bi F60 He,cc,Q					
	74						2F75 He,py					
9						S, 70	F25 Sm					
	76						F25 He,cc					
							F30 He,cc,Bi					
	78											

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-13
Geologist(s): S. Ball / RSt Jean
Date: 88-03-26
Page: of 10

Sec	Depth	% Rec	Log	Grain size min — max	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot F	Geot R	Colour	Minerals and Alterations PY PO MT CC	Sample #	TS #	Description
	78							F5-10	Ro, PY							
						S, 80										
								F35	Ro, PY							
	80											mG				
								F15	He, cc							
								F20	He, cc			lG				
10	82							V 65	a, cc, ch							84.3 → 84.6 Faldo
								V 50	a, ch							
	84	100						F0	PY He, cc, V, Hm					5405	A	260
								2F40	Ro, Hm							
								F20	Sm, epi							
						S, 75		F45	Ro							83.3 → 107.0 Pyrite appears as clots and stringers parallel to S_1 as well as finely disseminated
								F45	Sm, cc							
								F15-20	He, cc			mG				
	86															
								F0-5	Sm			BN				
								F45	Ro, Hm							
11																
	88							F20	He							85.7 → 86.2 Core is bleached
								2F50	cc, Hm, Ro							
								F50	Ro							
								V 50	Q							
								F0-5	Sm, cc, Hm							
	90															
								F0	He, cc							
	92					S, 80										
12																
	94							F45	Sm, cc, Qf							
						S, 80										
								F50	Sm, cc					5406	TS	5
								2F50	Bl, cc							
	96															

GROUNDMASS
PORPHYROBLASTS

SDC 44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-13 Date: 88-03-26
Geologist(s): S. Ball R.St.Jean Page: of 10

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot. F	Geot. R	Colour	Minerals and Alterations PY PO mt CC	Comments #	Description
	96							F55	Sm, cc						
								F30	He, cc						
								F30	Sm, cc						
								V30	Q, cb						
	98					C 30		3F30	He, cc, Bl						
								F50	Sm, epi, cc						
								2V60	Q, cc, Hm						
13						S, 70		F45	Ro, PY, cc						
	100							F0-5	cc, PY						
								F60	Sm, cc, PY						
						S, 75		F10	He, cc			mG	I		
												BN	I		
	102	0				S, 60		F45	Ro						
		100													
	104							F60	Sm, cc						
								F45	Ro						
								F60	He, cc						
14						S, 60		F60	Bm, cc, epi						
	106							F60	Sm, cc, epi						
						S, 65		F60	PY Sm, cc, epi						
								2F5-15	Ro						
	108					S, 85						mG			
								F55	Ro, cc						
								F50	Ro, cc			DG	I		
	110														
15															
						S, 40		2F30	Sm, cc, chl						
								F30	Ro, cc						
								F30	H, cc						
								F25	Sm, cc						
								3F30	Ro, cc						
	114							F30	Ro, cc						

97.0 → 98.0 Feldspar porphyry dyke same as before. Upper contact not observed. Lower contact parallels quartz vein.

98.0 → 188 Amphibole Schist; as before

99.2 → 109.3 Foliation moderate to strong. Pyrite stringers 1 1.5,

109.3 → 188.0 Pyrite as finely disseminated

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-13 Date: 88-03-26
Geologist(s): S. Ball RSt-Je Page: of 10

Sox	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Sect F	Sect R	Core	Minerals and Alterations	Sample #	TS #	Description
	114					S, 80		15	F30 H,cc			mG				
								F	25 Sm,cc,ch							
						S, 65		F	5 Sm, cc, ch			2G				
	116							V	40 H,cc					5407	TS	10 111.2 to 184.5 Many fractures contain chlorite
								F	0-5 Ro, ch							
16								F	15 Ro, cc							
								F	30 Sm, cc, ch, ss							
								F	30 Sm, cc, ch							
								F	5 Sm, ch							
	118															
								F	30 Sm, cc, ch			mG				
						S, 65						BN				
								F	30 Ro, cc							
	120							F	35 Sm, ch, cc							
								F	30 Ro, cc							
						S, 40		F	30 Sm, cc							
		100						F	40 Ro, cc							
								F	30 Ro, cc							
	122															
17						S, 60										
								F	30 Ro, cc, py							
								F	40 Ro							
								2 F	20 H, cc							
	124															
						S, 55		V	30 cc, py							
						S, 60										
	126							F	60 cc							
								F	30 Ss, cc, ch							
								F	30 Ro, cc							
	128							F	45 Ro, cc, ch							
18								F	40 Ro, cc							
								F	30 Ro, cc							
								F	30 Ro, cc							
								F	30 Ro, cc, py							
						S, 55		F	35 Ro, py							
19	132															

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-13
Geologist(s): S. Ball / R. [illegible]
Date: 88-03-26
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Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Grad. F/R	Colour	Minerals and Alterations	Sample #	Type #	Description
	132														
												py 2-3%	5408	AU	<5
	134														
19								3F55	Ro						
								F30	Ro,cc,py ch						
	136										mG				
						S, 55									
						S, 85					BN				
	138											1%			
		100			PORPHYRITIC GRANITE			V	Q,ch						
								F50	Ro,cc,ch						
20	140					S, 60		F40	Ro,F-			<1%			
								2F60	Ro,cc,ch						
						S, 60									
	142														
						S, 55		F60	Ro						
	144							V45	H,Q,ch			<1%			
						S, 75									
						S, 70									
21	146														
								V45	Q,ch			I			
													5409	AU	<5
						S, 60						1%			
22								V60	Q,cc, ch				5410	AU	<5
	150							F20	Ro,cc,ch						

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-13
Geologist(s): S. Ball / R. St-Jean
Date: 88-03-26
Page of 10

Box	Depth	Rec %	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins Dens.	Angle	Nature	Geot F	Geot R	Colour	Minerals and Alterations	Sample #	TS #	Description
	150							V30	Q,ch					5410		
						S, 55										
	152															
22								FO	Sm,ch, cc,py							
						S, 60										
	154							F55	Ro,cc, py			MG				
						S, 65		F5-10	H,cc							
	156							F45	Ro,cc			BN				
								F60	Ro							
						S, 50										
23	158	0						F55	Ro							
		0						F50	Ro,cc							
								3F,V25	H,cc							
						S, 70										
	160							V75	Q,ch							
						S, 65		F60	Ro,cc							
	162															
						S, 55		F45	Ro,cc							
24								F60	Sm,cc							
	164					S, 80		F0-10	ch,py,cc							
								V30	cc,py							
								F45	Ro,ch,cc							
						S, 65		F55	Ro							
	166															
								V60	Q,py,ch							
						S, 75		F45	Ro,cc							
								F50	Ro,cc							
25																
	168															

GROUND MASS
PORPHYROBLASTS

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 1/100

Drill hole no.: BUR-13
Geologist(s): J. Ball / R St-Jean
Date: 88-03-26
Page: of 10

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Géot. F R	Colour	Minerals and Alterations (py, po, mt … cc)	Sample #	TS #	Description
	168					S, 70									
25	170														
						S, 60					mG / BN	1%			
	172							F40	Ro, cc						
								F50	Ro, cc						
						S, 45		F30	H, ch						
	174														
26		100													
	176					S, 65		F40	Ro, cc						
								F10	H, cc						
								F45	Ro, cc						
								F45	Ro						
								F65	Ro						
								F40	Sm, ch						
								F60	Sm						
	178							3F50	ch		mG / lG				
						S, 55		F50	Sm, ch						
	180							F40	Ro, cc						
								4F30	Ro						
27															
	182					S, 60		F40	Ro, cc						
								F55	Ro, cc, ch						
								F20	H, ch						
								F30	H, ch						
								F60	Ro, cc						
								2F30	Ro						
	184							V40	H, Q						
								F30	Sm, cc, ch						
28						S, 70									
	186							F45	Ro						

SDG-44

COGEMA CANADA Ltée/Ltd.
BURNTBUSH RIVER PROJECT

LOG 11/00

Drill hole no. BUR 11
Geologist(s) S. Ball / RST Jen
Date: 88-03-26
Page: 10 of 10

Box	Depth	% Rec	Log	Grain size mm	Texture	Structures to core axis	Fractures and Veins: Dens.	Angle	Nature	Cont F	Cont R	Colour	Minerals and Alterations: py	po	mt	cc	Sample #	TS #	Description
	186																		
28		90				S, 70						mG qG							188.0 EOH
	188																5411	TS 21	
																	Maj Min		
	190																		

John Shaw

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

FINAL REPORT 1988
"DIAMOND DRILL RESULTS"

VOLUME 3 of 3

A P P E N D I X II

SAMPLE RESULTS

1. CHEMISTRY RESULTS

2. THIN SECTION DESCRIPTIONS

By: R. St-Jean
J. Learn
Compiled: November, 1988

Ref. No. 88-CND-47-03
(Document: #0149U)

1. CHEMISTRY RESULTS

REMARKS

i) there are four sets of tables

- "gold only" results
- Cu, Zn from BUR-02
- major elements
- minor elements

ii) for "gold only" results:

- MYV refers to samples sent to Mine Yvan Vezina
- TEC refers to samples sent to Chimitec

iii) sample numbers prefixed with the letter "C" or referred to as "CTL" are quartzite control samples and are presented in the tables in the sequence that they were inserted and analyzed

iv) negative results indicate results below the detection limit, i.e. "-" really means "<"

PROCEDURES and DETECTION LIMITS

A) Mine Yvan Vezina:

Fraction : -150 mesh (two stage crushing, grinding)
Extraction : 3 parts HCl: 1 part HNO_3 - aqua regia
Method : atomic absorption

Detection limit for Au : 0.2 g/t
for Cu, Zn : 0.001%

B) Chimitec:

Au ("gold only"):

Fraction : -150 mesh (two stage crushing, grinding)
Extraction : 3 parts HCl: 1 part HNO_3 - aqua regia
Method : fire assay - atomic absorption
Detection limit : 5 ppb

Note: normal Chimitec procedure is to crush entire sample, then pulverize 250 g, then analyze 10 g; for these samples, 500 g were pulverized and 30 g were analyzed (to increase precision of analyses)

MAJOR ELEMENTS

SiO_2, TiO_2, Al_2O_3, Fe_2O_3 (total iron), MnO, MgO, CaO, Na_2O:

fraction	:	-150 mesh (two stage crushing, grinding)
extraction	:	metaborate fusion
method	:	emission - plasma
detection limit	:	0.01%

K_2O, P_2O_5:

fraction	:	-150 mesh
extraction	:	metaborate fusion
method	:	emission - plasma
detection limit	:	0.03%

LOI:

fraction	:	-150 mesh
method	:	gravimetry
detection limit	:	0.01%

CO_2:

fraction	:	-150 mesh
extraction	:	H_3PO_4
method	:	gravimetry
detection limit	:	0.05%

MINOR ELEMENTS

fraction	:	-150 mesh
method	:	neutron activation

detection limits :

Au	:	2 ppb
Sm	:	0.05 ppm
Sb	:	0.1 ppm
Sc, Th, U, Lu	:	0.2 ppm
As, Cs, Ta, Tb, Br	:	0.5 ppm
Eu, Hf, Mo, W	:	1 ppm
La, Ag, Yb	:	2 ppm
Cd, Co, Rb, Se, Ce	:	5 ppm
Te	:	10 ppm
Cr, Ni	:	20 ppm
Ba, Ir	:	50 ppm
Zn, Sn	:	100 ppm
Zr	:	200 ppm
Fe, Na	:	0.02%

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
1	BUR-01	C5000	12.50	12.50	0	-0.20	MYV
2	BUR-01	5001	12.51	13.00	0	0.20	MYV
3	BUR-01	5444	24.00	25.50	20	0.00	TEC
4	BUR-01	5445	25.50	27.00	40	0.00	TEC
5	BUR-01	5446	27.00	28.50	15	0.00	TEC
6	BUR-01	5447	28.50	30.00	45	0.00	TEC
7	BUR-01	5002	30.00	30.50	0	-0.20	MYV
8	BUR-01	5003	30.50	31.00	0	-0.20	MYV
9	BUR-01	5004	31.00	31.50	0	-0.20	MYV
10	BUR-01	5005	31.50	32.00	0	-0.20	MYV
11	BUR-01	5006	32.00	32.50	0	0.20	MYV
12	BUR-01	5007	32.50	33.00	0	0.20	MYV
13	BUR-01	5008	33.00	33.50	0	-0.20	MYV
14	BUR-01	5009	33.50	34.00	0	0.20	MYV
15	BUR-01	5010	34.00	34.50	0	-0.20	MYV
16	BUR-01	5011	34.50	35.00	0	-0.20	MYV
17	BUR-01	5012	35.00	35.50	0	-0.20	MYV
18	BUR-01	5013	35.50	36.00	0	-0.20	MYV
19	BUR-01	5014	36.00	36.50	0	-0.20	MYV
20	BUR-01	5015	36.50	37.00	0	-0.20	MYV
21	BUR-01	5016	37.00	37.50	0	-0.20	MYV
22	BUR-01	5017	37.50	38.00	0	-0.20	MYV
23	BUR-01	5021	75.50	76.00	0	-0.20	MYV
24	BUR-01	5022	76.00	76.50	0	-0.20	MYV
25	BUR-01	5023	93.00	93.50	0	-0.20	MYV
26	BUR-01	5024	103.50	104.00	0	-0.20	MYV
27	BUR-01	5025	113.60	114.10	0	-0.20	MYV
28	BUR-01	C5025	126.90	126.90	0	-0.20	MYV
29	BUR-01	5027	138.50	139.00	0	-0.20	MYV
30	BUR-01	5448	146.00	147.50	-5	0.00	TEC
31	BUR-01	5449	147.50	149.00	10	0.00	TEC
32	BUR-01	5450	149.00	150.10	-5	0.00	TEC
33	BUR-01	C5450	149.00	149.00	-5	0.00	TEC
34	BUR-01	5028	150.10	150.60	0	0.20	MYV
35	BUR-01	5451	150.60	151.50	-5	0.00	TEC
36	BUR-01	5452	151.50	153.00	-5	0.00	TEC
37	BUR-01	5453	153.00	154.50	-5	0.00	TEC
38	BUR-01	5454	154.50	156.00	-5	0.00	TEC
39	BUR-01	5029	156.00	156.50	0	0.30	MYV
40	BUR-01	5030	156.50	157.00	0	0.20	MYV
41	BUR-01	5031	157.00	157.50	0	-0.20	MYV
42	BUR-01	5032	157.50	158.00	0	-0.20	MYV
43	BUR-01	5033	158.00	158.50	0	-0.20	MYV
44	BUR-01	5034	158.50	159.00	0	-0.20	MYV
45	BUR-01	5035	159.00	159.50	0	-0.20	MYV
46	BUR-01	5036	159.50	160.00	0	-0.20	MYV
47	BUR-01	5037	160.00	160.50	0	-0.20	MYV
48	BUR-01	5038	160.50	161.00	0	-0.20	MYV
49	BUR-01	5039	161.00	161.50	0	-0.20	MYV
50	BUR-01	5040	161.50	162.00	0	-0.20	MYV
51	BUR-01	5041	162.00	162.50	0	-0.20	MYV
52	BUR-01	5042	162.50	163.00	0	-0.20	MYV
53	BUR-01	5043	163.00	163.50	0	0.20	MYV
54	BUR-01	5044	163.50	164.00	0	-0.20	MYV
55	BUR-01	5045	164.00	164.50	0	-0.20	MYV
56	BUR-01	5046	164.50	165.00	0	-0.20	MYV

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[illegible]	BUR-01	5047	165.00	165.50	0	0.20	MYV
[illegible]	BUR-01	5455	165.50	167.00	10	0.00	TEC
59	BUR-01	5456	167.00	168.50	-5	0.00	TEC
60	BUR-01	5457	168.50	170.00	-5	0.00	TEC
61	BUR-01	5458	178.00	179.50	-5	0.00	TEC
62	BUR-01	5459	179.50	181.00	-5	0.00	TEC
63	BUR-01	5460	181.00	182.50	-5	0.00	TEC
64	BUR-01	5461	182.50	184.00	5	0.00	TEC
65	BUR-01	5462	184.00	185.50	-5	0.00	TEC
66	BUR-01	5463	188.50	190.00	-5	0.00	TEC
67	BUR-01	5464	190.00	191.50	-5	0.00	TEC
68	BUR-01	5465	191.50	193.00	-5	0.00	TEC
69	BUR-01	5466	193.00	194.50	-5	0.00	TEC
70	BUR-01	5467	194.50	196.00	-5	0.00	TEC
71	BUR-01	5468	196.00	197.50	-5	0.00	TEC
72	BUR-01	5048	197.50	198.00	0	-0.20	MYV
73	BUR-01	5469	198.00	200.00	-5	0.00	TEC
74	BUR-02	5089	74.00	74.50	0	-0.20	MYV
75	BUR-02	5090	74.50	75.00	0	-0.20	MYV
76	BUR-02	5091	75.00	75.50	0	0.20	MYV
77	BUR-02	5092	75.50	76.00	0	-0.20	MYV
78	BUR-02	5094	91.50	92.00	0	0.20	MYV
79	BUR-02	5095	92.00	92.50	0	-0.20	MYV
80	BUR-02	5096	92.50	93.00	0	-0.20	MYV
81	BUR-02	5097	94.50	95.00	0	-0.20	MYV
82	BUR-02	5098	95.00	95.50	0	-0.20	MYV
83	BUR-02	5099	95.50	96.00	0	-0.20	MYV
84	BUR-02	5100	96.00	96.50	0	-0.20	MYV
85	BUR-02	C5100	96.00	96.00	0	-0.20	MYV
86	BUR-02	5101	96.50	97.00	0	-0.20	MYV
87	BUR-02	5102	97.00	97.50	0	-0.20	MYV
88	BUR-02	5103	97.50	98.00	0	-0.20	MYV
89	BUR-02	5106	129.00	129.50	0	-0.20	MYV
90	BUR-02	5107	129.50	130.00	0	-0.20	MYV
91	BUR-03	C5050	32.00	32.00	0	-0.20	MYV
92	BUR-03	5051	42.50	43.00	0	-0.20	MYV
93	BUR-03	5052	52.40	52.90	0	-0.20	MYV
94	BUR-03	5053	61.00	61.50	0	0.20	MYV
95	BUR-03	5054	76.00	76.50	0	-0.20	MYV
96	BUR-03	5056	92.60	93.10	0	-0.20	MYV
97	BUR-03	5058	133.00	133.50	0	-0.20	MYV
98	BUR-03	5059	145.50	146.00	0	-0.20	MYV
99	BUR-04	5351	7.30	8.00	-5	0.00	TEC
100	BUR-04	5352	8.00	9.50	-5	0.00	TEC
101	BUR-04	5353	9.50	11.00	-5	0.00	TEC
102	BUR-04	5060	11.00	11.50	0	-0.20	MYV
103	BUR-04	5355	11.50	12.50	5	0.00	TEC
104	BUR-04	5356	12.50	14.00	10	0.00	TEC
105	BUR-04	5357	14.00	15.50	40	0.00	TEC
106	BUR-04	5358	15.50	17.00	10	0.00	TEC
107	BUR-04	5061	17.00	17.50	0	-0.20	MYV
108	BUR-04	5359	17.50	19.00	15	0.00	TEC
109	BUR-04	5360	19.00	20.50	60	0.00	TEC
110	BUR-04	5361	20.50	22.00	10	0.00	TEC
111	BUR-04	5362	22.00	23.50	15	0.00	TEC
112	BUR-04	5363	23.50	25.00	45	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
1[illegible]	BUR-04	5364	25.50	26.00	5	0.00	TEC
1[illegible]	BUR-04	5063	26.00	26.50	0	-0.20	MYV
115	BUR-04	5365	26.50	28.00	25	0.00	TEC
116	BUR-04	5366	28.00	29.50	15	0.00	TEC
117	BUR-04	5367	29.50	31.00	15	0.00	TEC
118	BUR-04	5064	31.00	31.50	0	-0.20	MYV
119	BUR-04	5368	31.50	33.00	5	0.00	TEC
120	BUR-04	5369	33.00	35.00	15	0.00	TEC
121	BUR-04	5370	35.00	36.50	-5	0.00	TEC
122	BUR-04	5065	36.50	37.00	0	-0.20	MYV
123	BUR-04	5371	37.00	38.00	-5	0.00	TEC
124	BUR-04	5372	38.00	39.50	5	0.00	TEC
125	BUR-04	5373	39.50	41.00	5	0.00	TEC
126	BUR-04	5374	41.00	42.50	-5	0.00	TEC
127	BUR-04	5375	42.50	43.50	-5	0.00	TEC
128	BUR-04	C5375	42.50	42.50	-5	0.00	TEC
129	BUR-04	5066	43.50	44.00	0	-0.20	MYV
130	BUR-04	5376	44.00	45.50	5	0.00	TEC
131	BUR-04	5377	45.50	47.00	-5	0.00	TEC
132	BUR-04	5378	47.50	48.50	-5	0.00	TEC
133	BUR-04	5379	48.50	50.00	-5	0.00	TEC
134	BUR-04	5380	50.00	51.50	-5	0.00	TEC
135	BUR-04	5381	51.50	52.50	-5	0.00	TEC
136	BUR-04	5382	53.00	54.50	-5	0.00	TEC
137	BUR-04	5383	54.50	56.40	-5	0.00	TEC
138	BUR-04	5069	56.40	56.90	0	-0.20	MYV
139	BUR-04	5384	56.90	58.00	-5	0.00	TEC
140	BUR-04	5385	58.00	59.50	-5	0.00	TEC
141	BUR-04	5386	59.50	61.00	-5	0.00	TEC
142	BUR-04	5387	61.00	63.00	-5	0.00	TEC
143	BUR-04	5070	61.00	61.50	0	-0.20	MYV
144	BUR-04	5388	63.00	64.50	-5	0.00	TEC
145	BUR-04	5389	64.50	66.00	-5	0.00	TEC
146	BUR-04	5390	66.00	67.50	-5	0.00	TEC
147	BUR-04	5391	67.50	68.50	-5	0.00	TEC
148	BUR-04	5071	68.50	69.00	0	-0.20	MYV
149	BUR-04	5392	69.00	70.50	-5	0.00	TEC
150	BUR-04	5393	70.50	72.00	-5	0.00	TEC
151	BUR-04	5394	72.00	73.50	-5	0.00	TEC
152	BUR-04	5395	73.50	75.00	-5	0.00	TEC
153	BUR-04	5396	75.00	76.00	-5	0.00	TEC
154	BUR-04	5072	76.00	76.50	0	-0.20	MYV
155	BUR-04	5397	76.50	78.00	-5	0.00	TEC
156	BUR-04	5398	78.00	79.50	-5	0.00	TEC
157	BUR-04	5399	79.50	81.00	-5	0.00	TEC
158	BUR-04	5400	81.00	82.50	25	0.00	TEC
159	BUR-04	C5400	81.00	81.00	-5	0.00	TEC
160	BUR-04	5412	82.50	83.50	-5	0.00	TEC
161	BUR-04	5073	84.00	84.50	0	-0.20	MYV
162	BUR-04	5413	84.50	85.50	-5	0.00	TEC
163	BUR-04	5414	85.50	87.00	-5	0.00	TEC
164	BUR-04	5415	87.00	88.50	-5	0.00	TEC
165	BUR-04	5416	88.50	90.00	-5	0.00	TEC
166	BUR-04	5417	90.00	91.50	5	0.00	TEC
167	BUR-04	5418	91.50	93.00	-5	0.00	TEC
168	BUR-04	5419	93.00	94.50	-5	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[redacted]	BUR-04	5420	94.50	96.00	-5	0.00	TEC
[redacted]	BUR-04	5421	96.00	97.50	-5	0.00	TEC
171	BUR-04	5422	97.50	99.00	-5	0.00	TEC
172	BUR-04	5423	99.00	100.50	-5	0.00	TEC
173	BUR-04	5424	100.50	102.00	-5	0.00	TEC
174	BUR-04	5425	102.00	103.50	-5	0.00	TEC
175	BUR-04	C5425	102.00	102.00	-5	0.00	TEC
176	BUR-04	5426	103.50	105.00	-5	0.00	TEC
177	BUR-04	5427	105.00	107.00	-5	0.00	TEC
178	BUR-04	5428	107.00	108.50	-5	0.00	TEC
179	BUR-04	5429	108.50	110.00	20	0.00	TEC
180	BUR-04	5430	110.00	111.50	-5	0.00	TEC
181	BUR-04	5431	111.50	113.00	-5	0.00	TEC
182	BUR-04	5432	113.00	114.50	-5	0.00	TEC
183	BUR-04	5433	114.50	116.00	-5	0.00	TEC
184	BUR-04	C5075	115.99	115.99	0	-0.20	MYV
185	BUR-04	5076	116.00	116.50	0	-0.20	MYV
186	BUR-04	5434	116.50	118.00	-5	0.00	TEC
187	BUR-04	5435	118.00	119.50	-5	0.00	TEC
188	BUR-04	5436	119.50	121.00	-5	0.00	TEC
189	BUR-04	5437	121.00	122.50	5	0.00	TEC
190	BUR-04	5438	122.50	123.90	5	0.00	TEC
191	BUR-04	5077	123.90	124.40	0	-0.20	MYV
192	BUR-04	5439	124.40	125.00	10	0.00	TEC
193	BUR-04	5078	125.00	125.50	0	-0.20	MYV
194	BUR-04	5440	125.50	127.00	-5	0.00	TEC
195	BUR-04	5441	127.00	128.50	-5	0.00	TEC
196	BUR-04	5442	128.50	130.00	-5	0.00	TEC
197	BUR-04	5443	130.00	131.00	-5	0.00	TEC
198	BUR-04	5079	131.00	131.50	0	-0.20	MYV
199	BUR-04	5080	146.50	147.00	0	0.20	MYV
200	BUR-04	5081	157.50	158.00	0	0.20	MYV
201	BUR-04	5083	174.00	174.50	0	-0.20	MYV
202	BUR-04	5085	179.00	179.50	0	-0.20	MYV
203	BUR-04	5087	194.00	194.50	0	0.20	MYV
204	BUR-05	5470	126.50	128.00	-5	0.00	TEC
205	BUR-05	5471	128.00	129.50	-5	0.00	TEC
206	BUR-05	5472	129.50	131.00	-5	0.00	TEC
207	BUR-05	5473	153.50	155.00	-5	0.00	TEC
208	BUR-05	5474	155.00	156.50	-5	0.00	TEC
209	BUR-05	5475	156.50	158.00	-5	0.00	TEC
210	BUR-05	C5475	156.50	156.50	-5	0.00	TEC
211	BUR-05	5476	177.50	179.00	5	0.00	TEC
212	BUR-05	5477	179.00	180.50	-5	0.00	TEC
213	BUR-05	5478	180.50	182.00	-5	0.00	TEC
214	BUR-05	5155	191.50	192.00	0	-0.20	MYV
215	BUR-05	C5155	191.50	191.50	0	-0.20	MYV
216	BUR-05	5482	200.00	201.50	-5	0.00	TEC
217	BUR-05	5483	201.50	203.00	5	0.00	TEC
218	BUR-05	5484	203.00	205.00	-5	0.00	TEC
219	BUR-05	5485	205.50	206.00	40	0.00	TEC
220	BUR-05	5486	206.00	209.00	5	0.00	TEC
221	BUR-05	5487	209.00	212.00	-5	0.00	TEC
222	BUR-05	5488	212.00	215.00	10	0.00	TEC
223	BUR-05	5489	215.00	218.00	-5	0.00	TEC
224	BUR-05	5490	218.00	221.00	-5	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[illegible]	BUR-05	5491	221.00	224.00	20	0.00	TEC
[illegible]	BUR-05	5492	224.00	227.00	-5	0.00	TEC
227	BUR-05	5493	227.00	230.00	5	0.00	TEC
228	BUR-05	5494	230.00	233.00	-5	0.00	TEC
229	BUR-05	5495	233.00	234.50	-5	0.00	TEC
230	BUR-05	5496	234.50	236.00	-5	0.00	TEC
231	BUR-05	5497	236.00	237.50	-5	0.00	TEC
232	BUR-05	5498	237.50	239.00	-5	0.00	TEC
233	BUR-05	5499	239.00	240.50	-5	0.00	TEC
234	BUR-05	5500	240.50	242.00	5	0.00	TEC
235	BUR-05	C5500	240.50	240.50	-5	0.00	TEC
236	BUR-05	5501	242.00	243.50	15	0.00	TEC
237	BUR-05	5502	243.50	245.00	-5	0.00	TEC
238	BUR-06	5503	40.00	41.00	-5	0.00	TEC
239	BUR-06	5504	41.00	42.50	-5	0.00	TEC
240	BUR-06	5505	42.50	44.00	-5	0.00	TEC
241	BUR-06	5506	44.00	46.00	-5	0.00	TEC
242	BUR-06	5110	46.00	46.50	0	0.30	MYV
243	BUR-06	5507	46.50	47.50	5	0.00	TEC
244	BUR-06	5111	47.50	48.00	0	-0.20	MYV
245	BUR-06	5508	48.00	50.50	5	0.00	TEC
246	BUR-06	5112	50.50	51.00	0	-0.20	MYV
247	BUR-06	5509	51.00	53.00	35	0.00	TEC
248	BUR-06	5510	53.00	55.00	10	0.00	TEC
249	BUR-06	5113	55.00	55.50	0	-0.20	MYV
250	BUR-06	5114	55.50	56.00	0	-0.20	MYV
251	BUR-06	5511	56.50	58.00	-5	0.00	TEC
252	BUR-06	5512	58.00	59.50	-5	0.00	TEC
253	BUR-06	5513	59.50	61.00	-5	0.00	TEC
254	BUR-06	5514	61.00	62.50	-5	0.00	TEC
255	BUR-06	5515	62.50	64.00	-5	0.00	TEC
256	BUR-06	5516	64.00	65.50	-5	0.00	TEC
257	BUR-06	5517	65.50	67.00	-5	0.00	TEC
258	BUR-06	5518	67.00	68.50	-5	0.00	TEC
259	BUR-06	5519	68.50	70.00	-5	0.00	TEC
260	BUR-06	5116	80.00	80.50	0	-0.20	MYV
261	BUR-06	5117	80.50	81.00	0	-0.20	MYV
262	BUR-06	5119	95.00	95.50	0	-0.20	MYV
263	BUR-06	5120	101.00	101.50	0	-0.20	MYV
264	BUR-06	5121	101.50	102.00	0	-0.20	MYV
265	BUR-06	5122	103.00	103.50	0	-0.20	MYV
266	BUR-06	5520	113.50	115.00	-5	0.00	TEC
267	BUR-06	5521	115.00	116.50	25	0.00	TEC
268	BUR-06	5522	116.50	118.00	-5	0.00	TEC
269	BUR-06	5523	118.00	119.50	-5	0.00	TEC
270	BUR-06	5524	119.50	121.00	30	0.00	TEC
271	BUR-06	5124	121.00	121.50	0	-0.20	MYV
272	BUR-06	5125	121.50	122.00	0	-0.20	MYV
273	BUR-06	5525	122.00	122.50	-5	0.00	TEC
274	BUR-06	C5525	122.00	122.00	-5	0.00	TEC
275	BUR-06	5126	122.50	123.00	0	-0.20	MYV
276	BUR-06	5526	123.00	125.00	-5	0.00	TEC
277	BUR-06	5527	125.00	126.50	-5	0.00	TEC
278	BUR-06	5528	126.50	128.00	-5	0.00	TEC
279	BUR-06	5127	128.00	128.50	0	-0.20	MYV
280	BUR-06	5529	128.50	130.00	-5	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[redacted]	BUR-06	5530	130.00	131.00	-5	0.00	TEC
[redacted]	BUR-06	5128	131.00	131.50	0	-0.20	MYV
283	BUR-06	5531	131.50	132.50	-5	0.00	TEC
284	BUR-06	5532	132.50	134.00	15	0.00	TEC
285	BUR-06	5533	134.50	136.50	5	0.00	TEC
286	BUR-06	5130	136.50	137.00	0	-0.20	MYV
287	BUR-06	5534	137.00	138.50	-5	0.00	TEC
288	BUR-06	5535	138.50	140.00	-5	0.00	TEC
289	BUR-06	5131	140.00	140.50	0	-0.20	MYV
290	BUR-06	5536	140.50	142.00	-5	0.00	TEC
291	BUR-06	5537	142.00	143.50	-5	0.00	TEC
292	BUR-06	5132	143.50	144.00	0	-0.20	MYV
293	BUR-06	5538	144.00	145.00	-5	0.00	TEC
294	BUR-06	5133	145.00	145.50	0	-0.20	MYV
295	BUR-06	5539	145.50	146.00	-5	0.00	TEC
296	BUR-06	5134	146.00	146.50	0	-0.20	MYV
297	BUR-06	5136	147.00	147.50	0	-0.20	MYV
298	BUR-06	5540	147.50	148.00	-5	0.00	TEC
299	BUR-06	5137	148.00	148.50	0	-0.20	MYV
300	BUR-06	5541	148.50	149.00	-5	0.00	TEC
301	BUR-06	5138	149.00	149.50	0	-0.20	MYV
302	BUR-06	5542	149.50	150.00	-5	0.00	TEC
303	BUR-06	5139	150.00	150.50	0	-0.20	MYV
304	BUR-06	5543	150.50	151.00	-5	0.00	TEC
305	BUR-06	5140	151.00	151.50	0	-0.20	MYV
306	BUR-06	5544	151.50	152.00	-5	0.00	TEC
307	BUR-06	5141	152.00	152.50	0	-0.20	MYV
308	BUR-06	5545	152.50	153.00	-5	0.00	TEC
309	BUR-06	5142	153.00	153.50	0	-0.20	MYV
310	BUR-06	5546	153.50	155.00	-5	0.00	TEC
311	BUR-06	5143	161.00	161.50	0	-0.20	MYV
312	BUR-06	5144	163.50	164.00	0	-0.20	MYV
313	BUR-06	5547	181.00	182.50	-5	0.00	TEC
314	BUR-06	5548	182.50	184.00	-5	0.00	TEC
315	BUR-06	5146	184.00	184.50	0	-0.20	MYV
316	BUR-06	5549	184.50	185.00	-5	0.00	TEC
317	BUR-06	5550	185.00	188.00	-5	0.00	TEC
318	BUR-06	C5550	185.00	185.00	-5	0.00	TEC
319	BUR-06	5551	188.00	191.00	-5	0.00	TEC
320	BUR-06	5552	191.00	194.00	-5	0.00	TEC
321	BUR-06	5553	194.00	195.50	-5	0.00	TEC
322	BUR-06	5554	195.50	197.00	10	0.00	TEC
323	BUR-06	5147	197.00	197.50	0	-0.20	MYV
324	BUR-06	5555	197.50	198.50	-5	0.00	TEC
325	BUR-06	5556	198.50	200.00	-5	0.00	TEC
326	BUR-06	5557	200.00	201.50	-5	0.00	TEC
327	BUR-06	5558	201.50	203.00	-5	0.00	TEC
328	BUR-06	5158	203.00	203.50	0	-0.20	MYV
329	BUR-06	5159	207.50	208.00	0	-0.20	MYV
330	BUR-06	5160	209.00	209.50	0	-0.20	MYV
331	BUR-06	5161	222.50	223.00	0	-0.20	MYV
332	BUR-06	5163	232.00	232.50	0	0.20	MYV
333	BUR-06	5165	237.50	238.00	0	-0.20	MYV
334	BUR-06	5166	244.00	244.50	0	-0.20	MYV
335	BUR-07	5167	47.50	48.00	0	-0.20	MYV
336	BUR-07	5168	57.50	58.00	0	-0.20	MYV

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[redacted]	BUR-07	5169	63.00	63.50	0	0.20	MYV
[redacted]	BUR-07	5171	73.50	74.00	0	0.20	MYV
339	BUR-07	5559	78.00	79.50	-5	0.00	TEC
340	BUR-07	5560	79.50	80.50	-5	0.00	TEC
341	BUR-07	5561	81.00	83.00	-5	0.00	TEC
342	BUR-07	5562	83.00	86.00	-5	0.00	TEC
343	BUR-07	5563	86.00	87.00	-5	0.00	TEC
344	BUR-07	5173	87.00	87.50	0	-0.20	MYV
345	BUR-07	C5175	98.00	98.00	0	-0.20	MYV
346	BUR-07	5176	98.50	99.00	0	-0.20	MYV
347	BUR-07	5177	101.00	101.50	0	-0.20	MYV
348	BUR-07	5183	109.00	109.50	0	-0.20	MYV
349	BUR-07	5185	119.00	119.50	0	-0.20	MYV
350	BUR-07	5188	125.50	126.00	0	-0.20	MYV
351	BUR-07	5189	141.50	142.00	0	-0.20	MYV
352	BUR-07	5564	142.00	143.00	-5	0.00	TEC
353	BUR-07	5565	143.00	144.50	-5	0.00	TEC
354	BUR-07	5566	144.50	146.00	-5	0.00	TEC
355	BUR-07	5567	146.00	147.50	-5	0.00	TEC
356	BUR-07	5568	147.50	149.00	-5	0.00	TEC
357	BUR-07	5569	149.00	150.50	-5	0.00	TEC
358	BUR-07	5570	150.50	152.00	-5	0.00	TEC
359	BUR-07	5190	152.00	152.50	0	-0.20	MYV
360	BUR-07	5192	169.50	170.00	0	-0.20	MYV
361	BUR-07	5193	172.00	172.50	0	-0.20	MYV
362	BUR-07	5195	182.00	182.50	0	-0.20	MYV
363	BUR-07	5196	184.00	184.50	0	-0.20	MYV
364	BUR-07	5197	188.00	188.50	0	-0.20	MYV
365	BUR-07	5198	191.00	191.50	0	-0.20	MYV
366	BUR-07	5199	196.50	197.00	0	-0.20	MYV
367	BUR-07	5200	200.50	201.00	0	-0.20	MYV
368	BUR-07	C5200	200.50	200.50	0	-0.20	MYV
369	BUR-07	5203	219.00	219.50	0	-0.20	MYV
370	BUR-07	5205	227.00	227.50	0	-0.20	MYV
371	BUR-07	5206	231.50	232.00	0	-0.20	MYV
372	BUR-07	5207	244.00	244.50	0	-0.20	MYV
373	BUR-07	5208	247.00	247.50	0	-0.20	MYV
374	BUR-09	5219	31.00	31.50	0	-0.20	MYV
375	BUR-09	5571	31.50	32.50	-5	0.00	TEC
376	BUR-09	5572	32.50	34.00	-5	0.00	TEC
377	BUR-09	5573	34.00	35.50	-5	0.00	TEC
378	BUR-09	5574	35.50	37.00	-5	0.00	TEC
379	BUR-09	5220	37.00	37.50	0	-0.20	MYV
380	BUR-09	5575	37.50	39.00	-5	0.00	TEC
381	BUR-09	C5575	37.50	37.50	-5	0.00	TEC
382	BUR-09	5576	39.00	40.00	5	0.00	TEC
383	BUR-09	5577	40.50	41.00	-5	0.00	TEC
384	BUR-09	5222	41.00	41.50	0	-0.20	MYV
385	BUR-09	5578	41.50	42.50	-5	0.00	TEC
386	BUR-09	5579	42.50	44.00	-5	0.00	TEC
387	BUR-09	5580	44.00	45.00	-5	0.00	TEC
388	BUR-09	5223	45.00	45.50	0	-0.20	MYV
389	BUR-09	5581	45.50	47.00	-5	0.00	TEC
390	BUR-09	5582	51.00	52.50	-5	0.00	TEC
391	BUR-09	5583	52.50	54.00	-5	0.00	TEC
392	BUR-09	5224	54.00	54.50	0	-0.20	MYV

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[redacted]	BUR-09	5584	54.50	56.00	-5	0.00	TEC
394	BUR-09	5585	56.00	57.50	-5	0.00	TEC
395	BUR-09	5586	57.50	58.50	-5	0.00	TEC
396	BUR-09	5225	58.50	59.00	0	-0.20	MYV
397	BUR-09	C5225	58.50	58.50	0	-0.20	MYV
398	BUR-09	5587	59.00	60.50	5	0.00	TEC
399	BUR-09	5588	60.50	61.50	10	0.00	TEC
400	BUR-09	5589	62.00	64.00	5	0.00	TEC
401	BUR-09	5590	64.00	66.00	-5	0.00	TEC
402	BUR-09	5227	66.00	66.50	0	-0.20	MYV
403	BUR-09	5591	72.50	74.00	5	0.00	TEC
404	BUR-09	5228	74.00	74.50	0	-0.20	MYV
405	BUR-09	5592	74.50	75.50	-5	0.00	TEC
406	BUR-09	5593	75.50	76.50	-5	0.00	TEC
407	BUR-09	5594	77.00	78.50	-5	0.00	TEC
408	BUR-09	5595	78.50	80.00	-5	0.00	TEC
409	BUR-09	5230	80.00	80.50	0	-0.20	MYV
410	BUR-09	5596	80.50	82.00	-5	0.00	TEC
411	BUR-09	5597	82.00	83.00	-5	0.00	TEC
412	BUR-09	5231	83.00	83.50	0	-0.20	MYV
413	BUR-09	5598	83.50	85.00	20	0.00	TEC
414	BUR-09	5599	85.00	86.50	-5	0.00	TEC
415	BUR-09	5600	86.50	88.00	-5	0.00	TEC
416	BUR-09	C5600	86.50	86.50	-5	0.00	TEC
417	BUR-09	5601	88.00	89.00	-5	0.00	TEC
418	BUR-09	5233	91.50	92.00	0	-0.20	MYV
419	BUR-09	5602	100.00	101.50	-5	0.00	TEC
420	BUR-09	5234	101.50	102.00	0	0.20	MYV
421	BUR-09	5603	102.00	103.50	-5	0.00	TEC
422	BUR-09	5604	103.50	105.00	-5	0.00	TEC
423	BUR-09	5605	105.00	106.50	-5	0.00	TEC
424	BUR-09	5606	106.50	108.00	-5	0.00	TEC
425	BUR-09	5607	108.00	109.50	-5	0.00	TEC
426	BUR-09	5608	109.50	111.00	-5	0.00	TEC
427	BUR-09	5609	111.00	112.50	-5	0.00	TEC
428	BUR-09	5610	112.50	113.50	10	0.00	TEC
429	BUR-09	5235	113.50	114.00	0	-0.20	MYV
430	BUR-09	5611	114.00	115.50	10	0.00	TEC
431	BUR-09	5612	115.50	117.00	15	0.00	TEC
432	BUR-09	5613	117.00	118.50	10	0.00	TEC
433	BUR-09	5614	118.50	120.00	5	0.00	TEC
434	BUR-09	5615	120.00	121.50	15	0.00	TEC
435	BUR-09	5236	121.50	122.00	0	-0.20	MYV
436	BUR-09	5616	122.00	124.00	10	0.00	TEC
437	BUR-09	5617	124.50	126.00	5	0.00	TEC
438	BUR-09	5618	126.00	128.00	5	0.00	TEC
439	BUR-09	5238	128.00	128.50	0	-0.20	MYV
440	BUR-09	5619	128.50	130.00	-5	0.00	TEC
441	BUR-09	5620	130.00	131.00	5	0.00	TEC
442	BUR-09	5239	131.00	131.50	0	-0.20	MYV
443	BUR-09	5621	131.50	133.00	10	0.00	TEC
444	BUR-09	5622	133.00	134.00	70	0.00	TEC
445	BUR-09	5240	134.00	134.50	0	-0.20	MYV
446	BUR-09	5623	134.50	136.00	95	0.00	TEC
447	BUR-09	5624	136.00	137.50	55	0.00	TEC
448	BUR-09	5625	137.50	139.00	-5	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[illegible]	BUR-09	C5625	137.50	137.50	-5	0.00	TEC
450	BUR-09	5241	149.50	150.00	0	0.20	MYV
451	BUR-09	5242	152.50	153.00	0	-0.20	MYV
452	BUR-09	5244	161.50	162.00	0	0.30	MYV
453	BUR-09	5626	162.00	163.50	5	0.00	TEC
454	BUR-09	5627	163.50	165.00	-5	0.00	TEC
455	BUR-09	5628	165.00	166.50	-5	0.00	TEC
456	BUR-09	5245	182.00	182.50	0	-0.20	MYV
457	BUR-09	5629	188.00	189.50	-5	0.00	TEC
458	BUR-09	5630	189.50	191.00	-5	0.00	TEC
459	BUR-09	5631	191.00	192.50	5	0.00	TEC
460	BUR-09	5246	214.00	214.50	0	-0.20	MYV
461	BUR-09	5247	214.50	215.00	0	0.20	MYV
462	BUR-10	5632	16.20	18.00	-5	0.00	TEC
463	BUR-10	5633	18.00	19.50	-5	0.00	TEC
464	BUR-10	C5250	19.50	19.50	0	0.80	MYV
465	BUR-10	5634	20.00	21.50	-5	0.00	TEC
466	BUR-10	5635	21.50	23.00	-5	0.00	TEC
467	BUR-10	5636	23.00	24.50	10	0.00	TEC
468	BUR-10	5637	24.50	26.50	15	0.00	TEC
469	BUR-10	5638	27.00	28.00	25	0.00	TEC
470	BUR-10	5639	28.00	29.50	15	0.00	TEC
471	BUR-10	5640	30.00	31.50	15	0.00	TEC
472	BUR-10	5641	31.50	33.00	-5	0.00	TEC
473	BUR-10	5642	33.00	34.50	5	0.00	TEC
474	BUR-10	5643	34.50	36.00	5	0.00	TEC
475	BUR-10	5644	36.00	37.50	-5	0.00	TEC
476	BUR-10	5645	37.50	39.00	-5	0.00	TEC
477	BUR-10	5646	39.00	40.50	-5	0.00	TEC
478	BUR-10	5647	40.50	42.00	-5	0.00	TEC
479	BUR-10	5648	42.00	43.50	5	0.00	TEC
480	BUR-10	5649	44.00	45.50	50	0.00	TEC
481	BUR-10	5650	45.50	47.00	5	0.00	TEC
482	BUR-10	C5650	45.50	45.50	-5	0.00	TEC
483	BUR-10	5651	47.00	48.50	-5	0.00	TEC
484	BUR-10	5652	49.00	50.50	-5	0.00	TEC
485	BUR-10	5653	50.50	52.00	-5	0.00	TEC
486	BUR-10	5654	52.00	53.50	-5	0.00	TEC
487	BUR-10	5655	53.50	55.00	-5	0.00	TEC
488	BUR-10	5656	55.00	56.50	-5	0.00	TEC
489	BUR-10	5657	56.50	58.00	-5	0.00	TEC
490	BUR-10	5658	58.00	59.50	-5	0.00	TEC
491	BUR-10	5659	59.50	61.00	-5	0.00	TEC
492	BUR-10	5660	61.00	62.50	-5	0.00	TEC
493	BUR-10	5661	62.50	64.00	-5	0.00	TEC
494	BUR-10	5258	87.20	87.70	300	0.00	TEC
495	BUR-10	5259	87.70	88.20	75	0.00	TEC
496	BUR-10	5662	97.50	99.00	-5	0.00	TEC
497	BUR-10	5663	99.00	100.50	-5	0.00	TEC
498	BUR-10	5664	100.50	102.00	-5	0.00	TEC
499	BUR-10	5665	131.50	133.00	-5	0.00	TEC
500	BUR-10	5666	133.00	134.50	-5	0.00	TEC
501	BUR-10	5667	134.50	136.00	-5	0.00	TEC
502	BUR-10	5668	136.00	137.50	-5	0.00	TEC
503	BUR-10	5669	137.50	139.00	-5	0.00	TEC
504	BUR-10	5670	139.00	140.50	5	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
5[redacted]	BUR-10	5671	140.50	142.00	-5	0.00	TEC
506	BUR-10	5672	142.00	143.50	-5	0.00	TEC
507	BUR-10	5673	143.50	145.00	-5	0.00	TEC
508	BUR-10	5674	145.00	146.00	-5	0.00	TEC
509	BUR-10	5675	168.00	169.50	-5	0.00	TEC
510	BUR-10	C5675	168.00	168.00	-5	0.00	TEC
511	BUR-10	5676	169.50	171.00	-5	0.00	TEC
512	BUR-10	5677	171.50	173.00	-5	0.00	TEC
513	BUR-10	5678	173.00	174.50	-5	0.00	TEC
514	BUR-10	5679	174.50	176.00	-5	0.00	TEC
515	BUR-10	5680	195.00	196.50	-5	0.00	TEC
516	BUR-10	5681	196.50	198.00	-5	0.00	TEC
517	BUR-10	5684	228.50	230.00	10	0.00	TEC
518	BUR-10	5685	242.50	244.00	-5	0.00	TEC
519	BUR-11	5686	19.30	21.00	-5	0.00	TEC
520	BUR-11	5687	21.00	22.50	-5	0.00	TEC
521	BUR-11	5688	22.50	24.20	-5	0.00	TEC
522	BUR-11	5689	24.70	26.00	-5	0.00	TEC
523	BUR-11	5690	26.00	27.50	-5	0.00	TEC
524	BUR-11	5691	27.50	29.00	-5	0.00	TEC
525	BUR-11	5692	29.00	30.50	-5	0.00	TEC
526	BUR-11	5693	30.50	32.00	-5	0.00	TEC
527	BUR-11	5694	32.00	34.00	-5	0.00	TEC
528	BUR-11	5267	34.00	34.50	5	0.00	TEC
529	BUR-11	5695	34.50	36.50	-5	0.00	TEC
530	BUR-11	5696	36.50	38.00	-5	0.00	TEC
531	BUR-11	5268	38.00	38.50	-5	0.00	TEC
532	BUR-11	5697	38.50	40.00	-5	0.00	TEC
533	BUR-11	5698	40.00	41.50	-5	0.00	TEC
534	BUR-11	5699	41.50	43.00	-5	0.00	TEC
535	BUR-11	5700	43.00	44.50	-5	0.00	TEC
536	BUR-11	C5700	43.00	43.00	-5	0.00	TEC
537	BUR-11	5701	44.50	46.00	-5	0.00	TEC
538	BUR-11	5702	46.00	47.50	-5	0.00	TEC
539	BUR-11	5703	47.50	49.00	-5	0.00	TEC
540	BUR-11	5704	49.00	50.50	-5	0.00	TEC
541	BUR-11	5705	50.50	52.00	-5	0.00	TEC
542	BUR-11	5706	52.00	53.50	-5	0.00	TEC
543	BUR-11	5707	53.50	55.00	-5	0.00	TEC
544	BUR-11	5708	55.00	56.50	-5	0.00	TEC
545	BUR-11	5709	56.50	58.00	-5	0.00	TEC
546	BUR-11	5710	58.00	59.50	-5	0.00	TEC
547	BUR-11	5711	59.50	60.50	-5	0.00	TEC
548	BUR-11	5269	60.50	61.00	15	0.00	TEC
549	BUR-11	5270	61.00	61.50	-5	0.00	TEC
550	BUR-11	5712	61.50	63.00	10	0.00	TEC
551	BUR-11	5713	63.00	64.50	-5	0.00	TEC
552	BUR-11	5271	64.50	65.00	10	0.00	TEC
553	BUR-11	5714	65.00	66.00	-5	0.00	TEC
554	BUR-11	5715	66.00	67.50	-5	0.00	TEC
555	BUR-11	5272	67.50	68.00	-5	0.00	TEC
556	BUR-11	5716	68.00	68.50	-5	0.00	TEC
557	BUR-11	5717	69.00	70.50	-5	0.00	TEC
558	BUR-11	5718	70.50	72.00	-5	0.00	TEC
559	BUR-11	5719	72.00	73.50	-5	0.00	TEC
560	BUR-11	5720	73.50	75.00	-5	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
5	BUR-11	5721	75.00	76.50	-5	0.00	TEC
562	BUR-11	5722	76.50	78.00	-5	0.00	TEC
563	BUR-11	5723	78.00	79.50	5	0.00	TEC
564	BUR-11	5724	79.50	81.00	5	0.00	TEC
565	BUR-11	5725	81.00	82.50	10	0.00	TEC
566	BUR-11	C5725	81.00	81.00	-5	0.00	TEC
567	BUR-11	5726	82.50	84.00	-5	0.00	TEC
568	BUR-11	5727	84.00	85.50	15	0.00	TEC
569	BUR-11	5274	85.50	86.00	10	0.00	TEC
570	BUR-11	5728	86.00	87.50	-5	0.00	TEC
571	BUR-11	5729	87.50	89.00	-5	0.00	TEC
572	BUR-11	5730	89.00	90.50	-5	0.00	TEC
573	BUR-11	5731	90.50	92.00	-5	0.00	TEC
574	BUR-11	5732	92.00	93.00	-5	0.00	TEC
575	BUR-11	5275	93.00	93.50	-5	0.00	TEC
576	BUR-11	C5275	93.00	93.00	20	0.00	TEC
577	BUR-11	5733	93.50	94.00	-5	0.00	TEC
578	BUR-11	5276	94.00	94.50	-5	0.00	TEC
579	BUR-11	5734	94.50	96.00	-5	0.00	TEC
580	BUR-11	5735	96.00	97.50	-5	0.00	TEC
581	BUR-11	5736	97.50	98.50	-5	0.00	TEC
582	BUR-11	5277	98.50	99.00	-5	0.00	TEC
583	BUR-11	5737	99.00	100.50	-5	0.00	TEC
584	BUR-11	5738	100.50	102.00	-5	0.00	TEC
585	BUR-11	5278	102.00	102.50	-5	0.00	TEC
586	BUR-11	5739	102.50	104.00	-5	0.00	TEC
587	BUR-11	5740	104.00	105.50	-5	0.00	TEC
588	BUR-11	5279	105.50	106.00	20	0.00	TEC
589	BUR-11	5741	106.00	107.50	-5	0.00	TEC
590	BUR-11	5742	107.50	109.00	-5	0.00	TEC
591	BUR-11	5743	109.00	110.50	-5	0.00	TEC
592	BUR-11	5744	110.50	112.00	-5	0.00	TEC
593	BUR-11	5745	112.00	113.00	-5	0.00	TEC
594	BUR-11	5280	113.00	113.50	70	0.00	TEC
595	BUR-11	5746	113.50	115.00	-5	0.00	TEC
596	BUR-11	5747	115.00	116.00	-5	0.00	TEC
597	BUR-11	5281	116.00	116.50	5	0.00	TEC
598	BUR-11	5748	116.50	117.00	-5	0.00	TEC
599	BUR-11	5749	117.50	119.00	-5	0.00	TEC
600	BUR-11	5283	119.00	119.50	80	0.00	TEC
601	BUR-11	5750	119.50	121.00	-5	0.00	TEC
602	BUR-11	C5750	119.50	119.50	-5	0.00	TEC
603	BUR-11	5751	121.00	122.50	-5	0.00	TEC
604	BUR-11	5752	122.50	124.00	-5	0.00	TEC
605	BUR-11	5753	124.00	125.50	-5	0.00	TEC
606	BUR-11	5754	125.50	127.00	-5	0.00	TEC
607	BUR-11	5755	127.00	128.00	-5	0.00	TEC
608	BUR-11	5284	127.90	128.40	15	0.00	TEC
609	BUR-11	5756	128.50	129.00	-5	0.00	TEC
610	BUR-11	5285	129.00	129.50	60	0.00	TEC
611	BUR-11	5757	129.50	131.00	-5	0.00	TEC
612	BUR-11	5758	131.00	132.50	30	0.00	TEC
613	BUR-11	5759	132.50	134.00	-5	0.00	TEC
614	BUR-11	5286	134.00	134.50	-5	0.00	TEC
615	BUR-11	5760	134.50	136.00	-5	0.00	TEC
616	BUR-11	5761	136.00	137.50	-5	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[illegible]	BUR-11	5762	137.50	139.00	-5	0.00	TEC
618	BUR-11	5287	139.00	139.50	-5	0.00	TEC
619	BUR-11	5763	139.50	141.00	-5	0.00	TEC
620	BUR-11	5764	141.00	142.50	-5	0.00	TEC
621	BUR-11	5765	142.50	144.00	-5	0.00	TEC
622	BUR-11	5766	144.00	145.00	-5	0.00	TEC
623	BUR-11	5288	145.50	146.00	-5	0.00	TEC
624	BUR-11	5767	146.00	147.50	-5	0.00	TEC
625	BUR-11	5768	147.50	149.00	5	0.00	TEC
626	BUR-11	5769	149.00	150.00	10	0.00	TEC
627	BUR-11	5289	150.00	150.50	25	0.00	TEC
628	BUR-11	5770	150.50	152.00	-5	0.00	TEC
629	BUR-11	5771	152.00	153.50	-5	0.00	TEC
630	BUR-11	5772	153.50	155.00	20	0.00	TEC
631	BUR-11	5773	155.00	156.50	5	0.00	TEC
632	BUR-11	5774	156.50	158.00	480	0.00	TEC
633	BUR-11	5775	158.00	159.50	15	0.00	TEC
634	BUR-11	C5775	158.00	158.00	-5	0.00	TEC
635	BUR-11	5776	159.50	161.00	-5	0.00	TEC
636	BUR-11	5291	170.00	170.50	65	0.00	TEC
637	BUR-11	5292	174.50	175.00	20	0.00	TEC
638	BUR-11	5293	177.00	177.50	5	0.00	TEC
639	BUR-11	5295	187.50	188.00	-5	0.00	TEC
640	BUR-11	5296	197.50	198.00	-5	0.00	TEC
641	BUR-11	5298	205.50	206.00	-5	0.00	TEC
642	BUR-11	5299	214.50	215.00	-5	0.00	TEC
643	BUR-12	5315	41.00	42.50	-5	0.00	TEC
644	BUR-12	5316	42.50	44.00	-5	0.00	TEC
645	BUR-12	5317	44.00	45.50	-5	0.00	TEC
646	BUR-12	5318	45.50	47.00	45	0.00	TEC
647	BUR-12	5319	47.00	48.50	20	0.00	TEC
648	BUR-12	5320	48.50	50.00	30	0.00	TEC
649	BUR-12	5321	50.00	53.00	40	0.00	TEC
650	BUR-12	5322	53.00	56.00	65	0.00	TEC
651	BUR-12	5323	56.00	59.00	140	0.00	TEC
652	BUR-12	5324	59.00	62.00	550	0.00	TEC
653	BUR-12	5325	62.00	63.50	180	0.00	TEC
654	BUR-12	C5325	62.00	62.00	-5	0.00	TEC
655	BUR-12	5326	63.50	65.00	130	0.00	TEC
656	BUR-12	5327	65.00	68.00	35	0.00	TEC
657	BUR-12	5328	68.00	71.00	160	0.00	TEC
658	BUR-12	5329	71.00	74.00	230	0.00	TEC
659	BUR-12	5330	74.00	77.00	170	0.00	TEC
660	BUR-12	5331	77.00	78.50	20	0.00	TEC
661	BUR-12	5332	78.50	80.00	-5	0.00	TEC
662	BUR-12	5333	80.00	81.50	-5	0.00	TEC
663	BUR-12	5334	81.50	83.00	-5	0.00	TEC
664	BUR-12	5335	83.00	84.50	5	0.00	TEC
665	BUR-12	5336	84.50	86.00	150	0.00	TEC
666	BUR-12	5337	86.00	89.00	30	0.00	TEC
667	BUR-12	5338	89.00	92.00	480	0.00	TEC
668	BUR-12	5339	92.00	95.00	135	0.00	TEC
669	BUR-12	5340	95.00	96.50	15	0.00	TEC
670	BUR-12	5341	96.50	98.00	-5	0.00	TEC
671	BUR-12	5342	98.00	99.50	15	0.00	TEC
672	BUR-12	5343	99.50	101.00	5	0.00	TEC

Line	Hole no	Sample	From	To	Au ppb	Au g/t	Lab.
[illegible]	BUR-12	5344	101.00	102.50	-5	0.00	TEC
674	BUR-12	5345	102.50	104.00	45	0.00	TEC
675	BUR-12	5346	104.00	105.50	5	0.00	TEC
676	BUR-12	5347	105.50	107.00	-5	0.00	TEC
677	BUR-12	5300	122.00	122.50	-5	0.00	TEC
678	BUR-12	C5300	122.00	122.00	-5	0.00	TEC
679	BUR-12	5348	122.50	124.50	-5	0.00	TEC
680	BUR-12	5349	125.00	127.00	-5	0.00	TEC
681	BUR-12	5350	127.00	128.50	-5	0.00	TEC
682	BUR-12	C5350	127.00	127.00	-5	0.00	TEC
683	BUR-12	5401	128.50	130.00	-5	0.00	TEC
684	BUR-12	5302	130.00	130.50	-5	0.00	TEC
685	BUR-12	5303	130.50	131.00	-5	0.00	TEC
686	BUR-12	5402	131.00	132.00	-5	0.00	TEC
687	BUR-12	5403	132.00	133.50	-5	0.00	TEC
688	BUR-12	5304	133.50	134.00	-5	0.00	TEC
689	BUR-12	5305	144.50	145.00	5	0.00	TEC
690	BUR-12	5306	145.00	145.50	5	0.00	TEC
691	BUR-12	5307	147.00	147.50	10	0.00	TEC
692	BUR-12	5308	147.50	148.00	25	0.00	TEC
693	BUR-12	5310	158.00	158.50	5	0.00	TEC
694	BUR-12	5312	174.50	175.00	-5	0.00	TEC
695	BUR-12	5313	181.50	182.00	-5	0.00	TEC
696	BUR-12	5314	190.50	191.00	-5	0.00	TEC
697	BUR-13	5405	83.50	84.00	260	0.00	TEC
698	BUR-13	5408	132.50	134.00	-5	0.00	TEC
699	BUR-13	5409	147.50	148.00	-5	0.00	TEC
700	BUR-13	5410	149.00	150.50	-5	0.00	TEC

Line	Hole no	Sample	From	To	Au g/t	Cu %	Zn %	Lab.
81	BUR-02	5097	94.50	95.00	-0.20	0.058	0.264	MYV
82	BUR-02	5098	95.00	95.50	-0.20	0.026	0.056	MYV
83	BUR-02	5099	95.50	96.00	-0.20	0.020	0.052	MYV
84	BUR-02	5100	96.00	96.50	-0.20	0.017	0.116	MYV
86	BUR-02	5101	96.50	97.00	-0.20	0.010	0.040	MYV
87	BUR-02	5102	97.00	97.50	-0.20	0.018	0.164	MYV
88	BUR-02	5103	97.50	98.00	-0.20	0.014	0.184	MYV

Line	Hole no	Sample	From	To	SiO2 %	TiO2 %	Al2O3%	Fe2O3%	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	TOTAL%	CO2 %
1	BUR 01	5018	40.50	41.00	51.04	1.14	15.65	9.85	0.14	5.33	8.93	3.16	0.05	0.21	4.30	99.81	2.52
2	BUR 01	5019	55.50	56.00	52.11	0.83	15.19	6.59	0.14	1.25	11.03	2.53	1.46	0.23	7.90	99.26	5.74
3	BUR 01	5020	71.50	72.00	67.42	0.55	15.64	6.36	0.17	1.36	4.48	3.06	1.59	0.12	0.80	101.55	0.43
4	BUR 01	5026	127.00	127.50	50.72	0.58	14.10	7.04	0.15	1.71	13.24	2.37	1.47	0.16	6.40	97.95	6.41
5	BUR 02	5088	61.50	62.00	54.67	1.02	15.54	7.85	0.20	3.63	10.30	3.36	0.83	0.20	2.80	100.42	2.04
6	BUR 02	5093	80.00	80.50	52.98	0.84	14.61	6.88	0.14	6.94	9.46	3.60	1.05	0.64	1.90	99.03	1.10
7	BUR 02	5105	113.00	113.50	62.71	0.63	16.33	7.79	0.09	3.53	2.38	2.33	3.74	0.29	1.00	100.82	0.11
8	BUR 02	5108	143.00	143.50	48.98	0.95	14.98	16.18	0.48	3.54	10.51	1.69	0.93	0.21	1.80	100.25	1.75
9	BUR 02	5109	179.50	180.00	52.07	1.05	15.94	13.46	0.39	4.27	12.16	1.44	0.39	0.15	1.00	102.33	1.00
10	BUR 03	5049	14.00	14.50	57.15	1.26	15.90	6.24	0.15	4.06	7.63	3.73	0.99	0.38	1.70	99.19	1.35
11	BUR 03	5050	32.00	32.50	52.80	1.37	14.28	8.78	0.22	5.04	6.97	1.93	1.02	0.28	6.40	99.09	3.36
12	BUR 03	5055	83.00	83.50	57.86	1.08	19.55	6.59	0.17	2.47	3.51	2.22	1.85	0.30	2.30	97.90	0.07
13	BUR 03	5057	130.50	131.00	50.82	0.97	17.49	8.08	0.11	1.77	8.15	3.65	1.73	0.27	4.70	97.73	2.73
14	BUR 04	5062	25.00	25.50	52.68	0.97	16.20	15.65	0.14	1.92	3.64	2.63	0.91	0.28	5.70	100.72	0.21
15	BUR 04	5068	47.00	47.50	57.09	1.07	18.61	10.09	0.17	1.48	4.60	3.22	0.69	0.33	2.00	99.35	0.20
16	BUR 04	5067	52.50	53.00	58.49	0.91	16.75	9.08	0.16	1.83	5.29	3.51	0.90	0.36	1.50	98.78	0.52
17	BUR 04	5074	83.50	84.00	72.57	0.50	12.91	2.62	0.11	0.35	2.99	3.08	2.01	0.28	1.60	99.02	1.08
18	BUR 04	5075	105.00	105.50	71.66	0.53	13.19	4.02	0.08	0.54	2.93	3.34	2.24	0.30	1.20	100.05	0.55
19	BUR 04	5082	169.50	170.00	53.95	2.70	14.66	11.31	0.22	3.84	9.28	2.82	0.04	0.54	1.30	100.66	1.03
20	BUR 04	5084	176.00	176.50	55.71	0.81	15.66	15.97	0.73	2.27	8.40	0.52	0.88	0.31	1.10	102.36	0.76
21	BUR 04	5086	182.00	182.50	58.87	0.86	16.60	7.67	0.24	2.42	6.56	3.33	0.89	0.42	2.10	99.96	1.00
22	BUR 05	5148	61.50	62.00	61.22	0.97	16.72	8.20	0.19	2.77	5.21	2.25	1.13	0.26	1.50	100.42	0.13
23	BUR 05	5149	67.50	68.00	60.11	1.36	16.48	4.10	0.11	1.35	7.09	1.97	2.02	0.33	6.40	101.33	3.08
24	BUR 05	5150	87.00	87.50	55.63	0.75	13.13	13.59	0.57	2.44	7.14	1.13	0.82	0.27	2.20	97.67	1.65
25	BUR 05	5151	94.00	94.50	59.24	0.84	20.26	6.19	0.13	1.71	5.21	3.66	0.63	0.19	1.40	99.47	0.15
26	BUR 05	5152	106.50	107.00	59.98	1.20	18.41	7.89	0.11	2.89	4.13	2.35	0.70	0.20	2.40	100.26	0.11
27	BUR 05	5153	134.00	134.50	56.99	0.94	17.30	10.06	0.28	3.68	5.93	1.89	0.51	0.24	2.50	100.32	0.58
28	BUR 05	5154	188.20	188.70	47.70	0.44	13.81	21.20	1.02	3.20	7.27	1.03	0.47	0.28	1.60	98.02	1.14
29	BUR 05	5156	194.00	194.50	49.22	0.99	15.63	9.54	0.08	6.11	7.98	2.02	1.49	0.33	4.30	97.70	2.41
30	BUR 05	5157	205.00	205.50	58.19	0.59	16.02	9.38	0.37	2.86	5.98	2.24	1.26	0.10	3.60	100.58	1.61
31	BUR 05	5178	247.70	248.20	48.41	1.06	18.42	4.36	0.10	2.21	9.30	2.06	4.24	0.38	9.20	99.73	7.02
32	BUR 05	5179	249.00	249.50	55.45	1.06	17.81	8.04	0.07	3.23	6.31	2.56	2.43	0.27	4.30	101.53	3.11
33	BUR 05	5180	262.50	263.00	50.36	0.98	16.57	10.72	0.16	4.95	10.65	1.06	0.71	0.22	2.90	99.27	1.45
34	BUR 05	5181	273.50	274.00	60.15	0.53	18.31	6.90	0.15	2.00	6.18	1.43	1.81	0.26	2.10	99.82	0.69
35	BUR 06	5115	56.00	56.50	64.68	0.52	17.03	6.00	0.09	2.00	3.75	2.21	2.46	0.28	3.20	102.22	0.10
36	BUR 06	5118	94.00	94.50	58.71	0.79	16.15	8.06	0.11	6.21	5.05	3.10	1.16	0.25	2.70	102.28	1.04
37	BUR 06	5123	113.00	113.50	53.76	0.80	20.76	8.23	0.15	3.76	6.86	3.45	1.07	0.16	3.00	102.00	1.11
38	BUR 06	5129	134.00	134.50	68.96	0.93	15.26	4.97	0.06	1.54	1.77	1.31	1.81	0.17	2.20	98.98	0.59
39	BUR 06	5135	146.50	147.00	65.02	0.49	17.53	3.60	0.03	1.04	2.86	7.43	0.79	0.38	2.70	101.87	1.27
40	BUR 06	5145	175.50	176.00	55.08	2.63	15.14	10.05	0.23	3.68	8.71	3.33	0.18	0.58	0.80	100.40	0.58
41	BUR 06	5162	224.00	224.50	61.60	1.19	19.28	6.91	0.17	1.69	1.94	1.71	2.04	0.40	2.40	99.34	0.20
42	BUR 06	5164	232.50	233.00	54.14	1.13	21.41	13.82	0.35	1.96	0.71	1.45	1.36	0.33	2.70	99.36	0.17
43	BUR 07	5170	68.00	68.50	44.35	0.42	13.98	8.22	0.12	4.65	15.67	2.48	0.77	0.10	8.00	98.76	6.03
44	BUR 07	5172	80.50	81.00	57.67	0.88	15.88	10.09	0.34	3.04	2.44	2.24	1.47	0.22	4.40	98.67	6.21
45	BUR 07	5174	94.00	94.50	72.89	0.20	13.12	5.56	0.06	0.79	1.56	3.34	1.14	0.11	1.90	100.67	0.73
46	BUR 07	5175	98.00	98.50	75.71	0.41	11.80	4.71	0.04	0.59	1.41	3.79	0.76	0.14	1.60	100.95	0.60
47	BUR 07	5184	114.50	115.00	59.34	0.98	16.20	10.00	0.38	5.17	2.90	2.14	1.32	0.33	2.40	101.16	0.16
48	BUR 07	5186	123.00	123.50	53.69	0.68	15.14	6.21	0.08	2.72	6.06	1.97	1.45	0.12	1.40	89.51	0.60
49	BUR 07	5187	124.30	124.80	61.28	1.47	16.04	8.29	0.12	3.22	4.47	4.67	0.55	0.39	1.20	101.70	0.18
50	BUR 07	5191	168.40	168.90	46.08	1.53	15.90	14.37	0.22	7.79	9.52	1.78	0.26	0.24	1.60	99.28	0.22
51	BUR 07	5194	175.00	175.50	51.15	1.57	16.35	10.58	0.18	4.67	9.99	2.86	0.27	0.14	1.30	99.06	1.04
52	BUR 07	5201	210.50	211.00	56.22	1.01	15.72	8.55	0.13	4.08	7.49	3.16	1.04	0.42	1.50	99.33	0.50
53	BUR 07	5202	218.30	218.80	54.32	0.78	15.27	9.31	0.17	8.34	5.10	2.39	1.23	0.27	2.90	100.08	0.39
54	BUR 07	5204	225.70	226.00	65.92	0.76	16.80	3.68	0.09	1.48	4.42	4.40	1.46	0.17	1.20	100.38	0.56
55	BUR 07	5209	254.00	254.50	57.04	0.86	15.63	8.59	0.13	5.34	6.01	3.37	0.73	0.33	1.80	99.83	0.52

Line	Hole no	Sample	From	To	SiO2 %	TiO2 %	Al2O3%	Fe2O3%	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	TOTAL%	CO2 %
56	BUR 08	5210	77.00	77.50	62.50	0.57	16.42	5.66	0.09	2.85	4.50	3.46	2.54	0.23	1.30	100.12	0.87
57	BUR 08	5211	110.00	110.40	49.72	0.47	19.88	7.46	0.13	6.46	9.75	2.84	1.60	0.28	1.50	100.10	0.24
58	BUR 08	5212	110.50	111.00	64.19	0.58	16.36	6.28	0.09	3.02	2.75	4.23	2.15	0.16	1.00	100.81	0.16
59	BUR 08	5213	145.50	146.00	59.77	0.63	16.41	7.28	0.09	3.50	1.97	3.77	3.04	0.23	1.40	98.10	0.05
60	BUR 08	5214	176.00	176.50	58.02	0.69	17.31	8.03	0.09	3.85	1.89	3.08	3.74	0.25	1.50	98.44	0.13
61	BUR 08	5215	194.85	195.30	58.54	0.56	16.07	4.54	0.08	3.63	7.08	5.00	2.19	0.59	3.40	101.69	2.25
62	BUR 08	5216	203.00	203.50	51.18	0.87	13.93	11.42	0.22	9.45	10.37	2.23	1.35	0.40	0.80	102.21	0.10
63	BUR 08	5217	218.00	218.50	63.21	0.61	16.40	6.36	0.08	3.30	3.06	4.21	2.46	0.22	0.60	100.51	-0.05
64	BUR 09	5218	25.50	26.00	64.34	0.40	15.66	3.04	0.13	1.54	5.01	2.38	2.93	0.27	2.60	98.31	1.51
65	BUR 09	5221	40.00	40.50	64.73	0.44	15.80	3.29	0.05	2.32	4.31	5.02	1.73	0.36	1.70	99.75	1.45
66	BUR 09	5226	62.00	62.50	63.65	0.39	14.78	3.82	0.22	1.77	5.15	1.67	3.32	0.33	5.10	100.21	2.55
67	BUR 09	5229	76.50	77.00	62.44	0.57	17.62	6.37	0.02	1.35	1.25	1.99	3.73	0.27	4.20	99.81	0.06
68	BUR 09	5232	89.00	89.50	66.14	0.39	15.88	2.86	0.08	1.52	4.70	4.84	1.85	0.23	2.50	100.99	1.66
69	BUR 09	5237	124.00	124.50	66.39	0.46	16.12	4.73	0.05	2.17	1.10	2.37	2.57	0.29	2.30	98.55	0.20
70	BUR 09	5243	157.00	157.50	64.31	0.57	15.21	5.96	0.10	1.80	3.16	3.33	2.39	0.29	0.60	97.72	0.60
71	BUR 09	5248	224.00	224.50	69.41	0.48	14.08	4.38	0.06	1.23	2.85	2.14	2.93	0.21	1.80	99.57	0.99
72	BUR 09	5249	246.00	246.50	65.10	0.40	15.89	2.66	0.03	1.26	2.68	5.72	2.68	0.23	1.80	98.44	1.34
73	BUR 10	5250	19.50	20.00	60.34	0.84	16.37	8.48	0.13	4.14	4.16	1.33	3.26	0.31	1.00	100.36	0.11
74	BUR 10	5251	26.50	27.00	66.84	0.59	16.77	2.55	0.05	1.13	2.42	0.67	4.07	0.25	3.80	99.14	0.93
75	BUR 10	5252	29.50	30.00	63.24	0.54	14.74	5.19	0.09	1.82	5.00	1.07	3.40	0.30	3.80	99.19	2.39
76	BUR 10	5253	43.50	44.00	64.14	0.72	13.87	9.26	0.11	2.08	3.52	0.67	2.71	0.25	1.60	98.93	0.52
77	BUR 10	5254	48.50	49.00	64.28	0.50	17.01	3.29	0.05	1.53	4.14	0.72	4.05	0.25	3.60	99.42	1.41
78	BUR 10	5255	64.00	64.50	62.58	0.43	17.05	3.40	0.06	1.75	5.57	1.43	2.93	0.28	4.00	99.48	1.63
79	BUR 10	5256	69.00	69.50	59.14	0.88	17.08	5.61	0.11	2.57	6.47	0.74	3.29	0.19	3.10	99.18	1.86
80	BUR 10	5257	81.00	81.50	67.14	0.77	15.45	5.58	0.08	1.76	3.44	0.96	3.01	0.27	1.80	100.26	0.64
81	BUR 10	5260	113.00	113.50	66.60	0.47	16.41	3.34	0.06	2.01	4.13	2.07	2.66	0.19	1.90	99.84	1.04
82	BUR 10	5261	131.00	131.50	54.48	1.10	15.08	15.30	0.46	3.92	7.06	0.81	1.20	0.19	2.30	101.90	1.14
83	BUR 10	5262	146.00	146.50	58.67	1.05	16.95	4.79	0.20	1.94	7.14	1.92	1.73	0.26	5.60	100.25	3.35
84	BUR 10	5263	161.00	161.50	58.89	0.96	16.35	6.58	0.16	3.64	6.43	3.21	1.47	0.16	1.60	99.45	1.11
85	BUR 10	5264	171.00	171.50	59.14	0.99	16.58	5.04	0.13	3.25	6.06	3.06	1.95	0.25	2.50	98.96	1.30
86	BUR 10	5265	185.00	185.50	54.29	0.91	15.50	10.46	0.26	4.47	6.61	2.83	1.05	0.29	1.40	98.06	0.88
87	BUR 10	5682	200.00	200.50	61.18	0.83	16.34	4.81	0.19	1.89	5.92	2.05	1.66	0.26	3.30	98.42	0.89
88	BUR 10	5683	217.50	218.00	48.83	0.86	14.82	10.37	0.18	4.28	12.54	1.39	0.63	0.27	5.10	99.27	4.21
89	BUR 11	5266	24.20	24.70	50.14	0.78	14.70	11.26	0.19	8.81	8.94	2.95	0.43	0.10	1.40	99.70	0.26
90	BUR 11	5273	68.50	69.00	46.88	1.68	16.25	14.94	0.23	6.68	8.08	3.20	1.01	0.41	1.30	100.66	0.46
91	BUR 11	5282	117.00	117.50	52.38	1.08	15.48	12.19	0.20	6.20	6.95	3.09	0.40	0.21	1.60	99.78	0.23
92	BUR 11	5290	165.00	165.50	75.94	0.08	11.97	1.27	0.02	0.33	1.04	5.87	0.46	0.05	1.50	98.54	0.69
93	BUR 11	5294	180.00	180.50	75.91	0.09	12.00	1.35	0.02	0.36	1.06	5.62	0.57	0.13	1.00	98.10	0.12
94	BUR 11	5297	198.50	199.00	62.64	0.70	16.34	4.44	0.08	2.37	4.12	5.37	2.44	0.30	2.30	101.09	0.72
95	BUR 12	5301	124.50	125.00	67.43	0.37	15.88	2.06	0.03	0.90	2.36	5.29	2.43	0.28	2.10	99.13	1.48
96	BUR 12	5309	154.00	154.50	70.48	0.71	14.42	2.10	0.04	0.47	2.79	0.33	3.79	0.29	3.70	99.12	1.13
97	BUR 13	5404	47.50	48.00	57.03	0.83	16.21	8.13	0.14	4.86	6.44	3.33	0.70	0.26	1.90	99.83	0.20
98	BUR 13	5406	95.00	95.50	58.25	1.12	16.28	8.24	0.11	3.36	4.74	3.85	1.03	0.31	2.60	99.89	0.32
99	BUR 13	5407	115.50	116.00	54.58	1.13	15.63	10.18	0.15	5.46	7.62	3.17	0.58	0.26	0.80	99.56	0.49
100	BUR 13	5411	187.50	188.00	52.98	1.23	16.46	10.32	0.15	3.64	8.62	2.08	1.52	0.27	2.30	99.57	1.84

Line	Hole	Sample	From	To	Au ppb	As ppm	Sb ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Hf ppm	Ir ppm
1	01	5018	40.50	41.00	-2	0.6	0.2	-50	-5	-0.5	130	42	1	3	-50
2	01	5020	71.50	72.00	5	-0.5	-0.1	300	-5	3.8	77	12	-1	4	-50
3	02	5105	113.00	113.50	-2	-0.5	-0.1	720	-5	5.2	230	32	-1	4	-50
4	02	5108	143.00	143.50	-2	-0.5	-0.1	160	-5	1.0	270	63	1	2	-50
5	02	5109	179.50	180.00	-2	-0.5	0.1	-50	-5	-0.5	290	76	-1	1	-50
6	03	5049	14.00	14.50	6	-0.5	-0.1	260	-5	1.8	380	33	1	3	-50
7	03	5050	32.00	32.50	-2	-0.5	0.4	63	-5	1.1	420	38	1	4	-50
8	03	5055	83.00	83.50	5	-0.5	-0.1	290	-5	1.4	77	21	-1	4	-50
9	03	CTL	-9.00	-9.00	-2	-0.5	-0.1	-50	-5	-0.5	290	-5	-1	2	-50
10	03	5057	130.50	131.00	-2	0.9	-0.1	290	-5	-0.5	61	34	-1	3	-50
11	04	5062	25.00	25.50	24	14.0	0.4	56	-5	0.9	220	77	1	5	-50
12	04	5067	52.50	53.00	8	1.0	0.2	110	-5	3.0	200	27	-1	4	-50
13	04	5074	83.50	84.00	3	10.0	0.2	260	-5	3.7	89	10	1	6	-50
14	04	5075	105.00	105.50	-2	-0.5	-0.1	310	-5	5.6	60	-5	1	7	-50
15	04	5082	169.50	170.00	-2	-0.5	0.2	-50	-5	-0.5	280	57	2	4	-50
16	04	5084	176.00	176.50	-2	-0.5	0.1	180	-5	1.2	180	25	-1	5	-50
17	04	5086	182.00	182.50	-2	-0.5	0.1	210	-5	1.6	190	30	1	5	-50
18	05	5148	61.50	62.00	-2	-0.5	0.1	220	-5	1.7	230	25	1	3	-50
19	05	5149	67.50	68.00	33	0.8	0.1	450	-5	3.3	220	32	2	4	-50
20	05	5150	87.00	87.50	10	-0.5	-0.1	300	-5	0.9	95	15	2	6	-50
21	05	5151	94.00	94.50	3	-0.5	-0.1	210	-5	0.5	170	17	-1	4	-50
22	05	5152	106.50	107.00	3	-0.5	-0.1	140	-5	1.0	110	25	-1	5	-50
23	05	5153	134.00	134.50	3	-0.5	-0.1	120	-5	1.5	120	25	1	5	-50
24	05	5154	188.20	188.70	37	-0.5	0.3	200	-5	0.8	110	19	-1	4	-50
25	05	5156	194.00	194.50	9	-0.5	0.2	460	-5	4.3	190	41	1	3	-50
26	05	5157	205.00	205.50	12	-0.5	-0.1	300	-5	2.6	110	20	1	4	-50
27	05	5178	247.70	248.20	-2	-0.5	0.1	470	-5	2.8	50	12	-1	3	-50
28	05	5179	249.00	249.50	-2	-0.5	-0.1	350	-5	4.9	110	26	1	4	-50
29	05	5180	262.50	263.00	10	-0.5	0.1	110	-5	1.6	150	45	-1	3	-50
30	05	5181	273.50	274.00	-2	-0.5	-0.1	370	-5	4.1	120	17	-1	3	-50
31	05	5182	277.50	278.00	643	-0.5	-0.1	430	-5	3.9	88	16	-1	3	-50
32	05	CTL	-9.00	-9.00	-2	-0.5	-0.1	-50	-5	-0.5	270	-5	-1	2	-50
33	06	5115	56.00	56.50	21	1.5	-0.1	750	-5	2.3	160	20	1	4	-50
34	06	CTL	-9.00	-9.00	-2	-0.5	-0.1	-50	-5	-0.5	360	-5	-1	-1	-50
35	06	5118	94.00	94.50	-2	1.0	-0.1	140	-5	2.3	320	33	1	3	-50
36	06	5123	113.00	113.50	3	-0.5	-0.1	240	-5	1.9	130	22	-1	3	-50
37	06	5129	134.00	134.50	-2	0.6	-0.1	1200	-5	2.1	140	18	1	5	-50
38	06	5135	146.50	147.00	-2	0.6	0.1	200	-5	-0.5	120	15	1	4	-50
39	07	5170	68.00	68.50	-2	-0.5	-0.1	160	-5	1.1	620	53	-1	-1	-50
40	07	CTL	-9.00	-9.00	-2	-0.5	-0.1	-50	-5	-0.5	350	-5	-1	-1	-50
41	07	5172	80.50	81.00	5	-0.5	-0.1	360	-5	2.3	150	38	-1	5	-50
42	07	5174	94.00	94.50	17	-0.5	-0.1	200	-5	1.3	190	6	2	13	-50
43	07	5186	123.00	123.50	-2	-0.5	-0.1	170	-5	1.9	210	28	2	5	-50
44	07	5187	124.30	124.80	-2	0.7	-0.1	220	-5	0.8	110	34	1	6	-50
45	07	5191	168.40	168.90	14	-0.5	-0.1	-50	-5	0.9	270	69	-1	3	-50
46	07	5201	210.50	211.00	13	-0.5	-0.1	230	-5	1.5	230	42	1	5	-50
47	07	5202	218.30	218.80	21	-0.5	-0.1	210	-5	1.6	610	53	-1	3	-50
48	07	5204	225.70	226.00	9	-0.5	-0.1	250	-5	1.3	120	18	1	7	-50
49	07	5209	254.00	254.50	8	-0.5	0.1	77	-5	1.4	230	38	-1	4	-50
50	08	5210	77.00	77.50	7	1.4	-0.1	390	-5	2.8	210	27	-1	3	-50
51	08	5211	110.00	110.40	9	-0.5	-0.1	390	-5	1.6	250	42	-1	1	-50
52	08	5212	110.50	111.00	6	-0.5	-0.1	450	-5	3.3	250	29	-1	4	-50
53	08	5213	145.50	146.00	4	-0.5	-0.1	830	-5	6.9	250	36	-1	4	-50
54	08	5214	176.00	176.50	-2	-0.5	-0.1	1100	-5	7.9	280	40	-1	4	-50
55	08	5215	194.85	195.30	-2	0.6	0.1	1200	-5	3.5	140	20	2	4	-50

Line	Hole	Sample	From	To	Au ppb	As ppm	Sb ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Hf ppm	Ir ppm
56	08	CTL	-9.00	-9.00	-2	-0.5	-0.1	-50	-5	-0.5	320	-5	-1	3	-50
57	08	5216	203.00	203.50	3	0.7	0.2	370	-5	2.6	490	62	1	2	-50
58	08	5217	218.00	218.50	-2	-0.5	-0.1	770	-5	5.4	250	27	-1	4	-50
59	09	5218	25.50	26.00	3	0.8	0.2	490	-5	6.2	100	14	1	3	-50
60	09	5221	40.00	40.50	-2	-0.5	0.1	610	-5	5.7	130	14	-1	4	-50
61	09	5226	62.00	62.50	11	2.2	0.2	680	-5	5.3	130	13	-1	3	-50
62	09	5229	76.50	77.00	17	1.1	0.2	690	-5	5.3	180	41	2	3	-50
63	09	5232	89.00	89.50	3	2.7	0.1	510	-5	4.5	110	13	-1	4	-50
64	09	CTL	-9.00	-9.00	-2	-0.5	-0.1	-50	-5	-0.5	340	-5	-1	2	-50
65	09	5237	124.00	124.50	21	0.6	-0.1	1100	-5	8.2	98	10	1	3	-50
66	09	5243	157.00	157.50	69	-0.5	0.1	710	-5	8.6	280	30	1	4	-50
67	09	5248	224.00	224.50	-2	0.9	0.2	830	-5	12.0	290	23	-1	4	-50
68	09	5249	246.00	246.50	-2	-0.5	0.3	1700	-5	6.1	92	9	1	4	-50
69	10	5250	19.50	20.00	-2	-0.5	0.2	530	-5	10.0	470	48	-1	4	-50
70	10	5251	26.50	27.00	95	3.0	0.8	1200	-5	6.0	290	15	1	3	-50
71	10	5252	29.50	30.00	19	5.1	0.6	970	-5	8.3	280	30	-1	3	-50
72	10	5253	43.50	44.00	64	0.6	0.2	560	-5	6.7	240	39	-1	2	-50
73	10	5254	48.50	49.00	3	1.6	0.4	1500	-5	5.7	270	17	2	4	-50
74	10	5255	64.00	64.50	3	2.8	0.6	1500	-5	5.7	210	20	1	3	-50
75	10	5256	69.00	69.50	8	1.7	0.6	970	-5	10.0	260	36	-1	5	-50
76	10	5257	81.00	81.50	6	0.6	0.4	610	-5	5.8	250	28	-1	3	-50
77	10	5260	113.00	113.50	-2	-0.5	0.2	1200	-5	5.4	120	15	-1	3	-50
78	10	CTL	-9.00	-9.00	-2	-0.5	-0.1	-50	-5	-0.5	360	-5	-1	2	-50
79	10	5261	131.00	131.50	11	0.5	0.2	790	-5	2.9	140	39	-1	4	-50
80	10	5262	146.00	146.50	5	8.8	0.2	510	-5	4.4	260	25	1	3	-50
81	10	5263	161.00	161.50	-2	-0.5	-0.1	360	-5	4.8	160	25	1	3	-50
82	10	5264	171.00	171.50	-2	5.3	0.2	340	-5	4.4	140	27	1	3	-50
83	10	5265	185.00	185.50	3	-0.5	0.1	240	-5	2.7	130	31	1	3	-50
84	10	5682	200.00	200.50	6	-0.5	-0.1	350	-5	3.1	110	19	1	3	-50
85	10	5683	217.50	218.00	5	-0.5	0.1	150	-5	1.7	160	46	1	2	-50
86	11	5266	24.20	24.70	5	-0.5	-0.1	-50	-5	0.6	690	60	-1	-1	-50
87	11	5273	68.50	69.00	-2	-0.5	-0.1	310	-5	7.6	120	68	2	3	-50
88	11	5282	117.00	117.50	4	0.8	-0.1	-50	-5	2.2	170	49	1	2	-50
89	11	5290	165.00	165.50	26	-0.5	0.8	320	-5	1.0	190	-5	-1	10	-50
90	11	5294	180.00	180.50	53	-0.5	-0.1	200	-5	-0.5	180	-5	-1	11	-50
91	11	5297	198.50	199.00	9	-0.5	-0.1	1300	-5	6.2	110	14	1	5	-50
92	12	5301	124.50	125.00	-2	0.9	0.3	1600	-5	4.4	110	7	2	3	-50
93	12	CTL	-9.00	-9.00	-2	-0.5	-0.1	-50	-5	-0.5	300	-5	-1	1	-50
94	12	5309	154.00	154.50	8	3.3	0.3	650	-5	5.2	160	25	-1	3	-50
95	12	5311	173.30	173.80	160	0.8	4.4	1100	39	4.5	170	9	-1	3	-50
96	13	5404	47.50	48.00	-2	-0.5	-0.1	190	-5	1.0	190	37	-1	3	-50
97	13	5406	95.00	95.50	5	-0.5	0.3	180	-5	1.1	110	37	-1	4	-50
98	13	5407	115.50	116.00	10	-0.5	-0.1	69	-5	1.1	110	44	1	3	-50
99	13	5411	187.50	188.00	21	-0.5	-0.1	270	-5	1.0	140	46	-1	3	-50

Line	Hole	Sample	From	To	Fe %	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Th ppm	W ppm
1	01	5018	40.50	41.00	6.90	11	-1	79	-5	27.4	-5	-2	-0.5	0.8	0.7	-1
2	01	5020	71.50	72.00	5.10	12	-1	-20	55	10.0	-5	-2	-0.5	-0.5	1.6	-1
3	02	5105	113.00	113.50	6.10	27	2	88	120	19.0	-5	-2	0.6	0.6	6.9	-1
4	02	5108	143.00	143.50	13.00	4	1	93	28	43.8	-5	-2	-0.5	0.9	-0.2	-1
5	02	5109	179.50	180.00	11.00	3	-1	120	-5	49.9	-5	-2	-0.5	0.7	-0.2	-1
6	03	5049	14.00	14.50	4.70	12	2	92	14	27.0	-5	-2	0.6	0.8	0.7	-1
7	03	5050	32.00	32.50	7.50	13	-1	120	11	27.3	-5	-2	0.7	0.8	0.7	-1
8	03	5055	83.00	83.50	5.40	13	-1	35	43	20.6	-5	-2	-0.5	0.7	0.7	-1
9	03	CTL	-9.00	-9.00	0.20	13	1	-20	-5	0.2	-5	-2	-0.5	-0.5	1.9	-1
10	03	5057	130.50	131.00	7.00	11	1	41	34	20.9	-5	-2	0.6	0.8	0.5	-1
11	04	5062	25.00	25.50	11.00	11	2	140	10	20.3	-5	-2	-0.5	0.5	0.7	-1
12	04	5067	52.50	53.00	7.00	13	1	80	28	20.3	-5	-2	0.6	0.7	0.8	-1
13	04	5074	83.50	84.00	2.00	22	1	-20	40	9.2	-5	-2	0.7	0.9	2.2	-1
14	04	5075	105.00	105.50	3.20	23	2	-20	45	10.0	-5	-2	0.7	0.9	2.6	-1
15	04	5082	169.50	170.00	10.00	18	2	93	-5	30.4	-5	-2	0.8	1.5	0.3	-1
16	04	5084	176.00	176.50	13.00	17	1	54	22	19.0	-5	-2	0.5	0.7	1.4	-1
17	04	5086	182.00	182.50	6.60	16	1	77	23	22.0	-5	-2	0.6	0.7	1.5	-1
18	05	5148	61.50	62.00	6.10	13	1	38	39	18.0	-5	-2	0.6	0.6	1.3	-1
19	05	5149	67.50	68.00	2.90	20	2	61	58	15.0	-5	-2	0.7	0.9	2.0	1
20	05	5150	87.00	87.50	12.00	22	2	-20	26	20.0	-5	-2	0.8	1.0	1.8	-1
21	05	5151	94.00	94.50	4.90	12	1	-20	25	19.0	-5	-2	0.7	-0.5	1.4	-1
22	05	5152	106.50	107.00	5.80	14	-1	26	25	23.6	-5	-2	0.6	1.0	1.5	-1
23	05	5153	134.00	134.50	7.90	16	-1	47	13	19.0	-5	-2	-0.5	0.8	1.4	-1
24	05	5154	188.20	188.70	18.00	12	1	22	19	10.0	-5	2	-0.5	-0.5	1.6	-1
25	05	5156	194.00	194.50	7.80	11	-1	74	46	27.6	-5	-2	-0.5	0.8	0.7	-1
26	05	5157	205.00	205.50	7.30	14	1	20	33	13.0	-5	-2	-0.5	0.6	1.6	-1
27	05	5178	247.70	248.20	3.20	18	2	37	86	18.0	-5	-2	-0.5	0.7	0.4	-1
28	05	5179	249.00	249.50	6.50	15	2	42	51	20.0	-5	-2	0.5	0.8	0.5	-1
29	05	5180	262.50	263.00	8.50	10	1	110	20	29.0	-5	-2	-0.5	0.7	0.7	-1
30	05	5181	273.50	274.00	5.40	11	1	-20	60	11.0	-5	-2	-0.5	-0.5	1.5	-1
31	05	5182	274.00	274.50	5.50	13	2	-20	89	8.9	-5	-2	-0.5	-0.5	1.4	3
32	05	CTL	-9.00	-9.00	0.30	29	2	-20	-5	0.4	-5	-2	-0.5	0.7	3.4	-1
33	06	5115	56.00	56.50	4.50	27	2	36	60	7.1	-5	-2	-0.5	-0.5	4.0	-1
34	06	CTL	-9.00	-9.00	0.30	11	1	-20	-5	-0.2	-5	-2	-0.5	-0.5	1.6	-1
35	06	5118	94.00	94.50	5.30	10	-1	150	15	18.0	-5	-2	-0.5	-0.5	1.0	-1
36	06	5123	113.00	113.50	5.20	9	1	56	30	16.0	-5	-2	-0.5	0.6	1.0	2
37	06	5129	134.00	134.50	3.60	15	3	-20	63	15.0	-5	-2	0.6	0.9	1.5	1
38	06	5135	146.50	147.00	2.50	22	-1	46	30	6.3	-5	-2	-0.5	-0.5	3.1	-1
39	07	5170	68.00	68.50	6.30	3	1	210	25	27.2	-5	-2	-0.5	-0.5	0.4	-1
40	07	CTL	-9.00	-9.00	0.30	7	2	-20	-5	-0.2	-5	-2	-0.5	-0.5	1.1	-1
41	07	5172	80.50	81.00	8.20	13	2	44	42	22.9	-5	-2	0.6	0.8	2.2	-1
42	07	5174	94.00	94.50	4.70	51	3	-20	27	6.5	-5	-2	1.9	3.2	5.0	1
43	07	5186	123.00	123.50	5.00	19	1	74	53	16.0	-5	-2	0.8	1.0	1.6	-1
44	07	5187	124.30	124.80	6.10	14	3	37	14	24.5	-5	-2	0.7	1.1	1.2	3
45	07	5191	168.40	168.90	11.00	7	-1	96	14	41.6	-5	-2	-0.5	1.1	-0.2	-1
46	07	5201	210.50	211.00	7.30	17	1	79	25	22.6	-5	-2	0.6	0.7	1.2	-1
47	07	5202	218.30	218.80	8.00	8	-1	120	25	33.3	-5	-2	-0.5	-0.5	0.7	-1
48	07	5204	225.70	226.00	3.10	22	1	24	50	16.0	-5	-2	0.8	0.8	2.2	2
49	07	5209	254.00	254.50	7.30	12	1	100	13	22.3	-5	-2	0.7	0.9	0.9	-1
50	08	5210	77.00	77.50	4.70	22	2	56	88	14.0	-5	-2	-0.5	-0.5	3.3	-1
51	08	5211	110.00	110.40	6.30	10	-1	55	83	22.2	-5	-2	-0.5	-0.5	1.2	-1
52	08	5212	110.50	111.00	5.20	32	2	74	76	16.0	-5	-2	-0.5	0.7	7.7	-1
53	08	5213	145.50	146.00	6.40	34	4	98	130	21.1	-5	-2	-0.5	0.8	8.2	-1
54	08	5214	176.00	176.50	7.20	35	6	110	140	24.5	-5	-2	0.9	-0.5	8.7	2
55	08	5215	194.85	195.30	3.70	89	1	64	60	9.0	-5	-2	-0.5	0.8	13.0	1
56	08	CTL	-9.00	-9.00	0.40	23	1	-20	-5	0.5	-5	-2	-0.5	0.5	2.8	-1

Line	Hole	Sample	From	To	Fe %	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Th ppm	W ppm
57	08	5216	203.00	203.50	10.00	19	1	100	50	41.9	-5	-2	-0.5	0.7	1.4	1
58	08	5217	218.00	218.50	5.10	30	2	80	92	16.0	-5	-2	-0.5	0.6	6.9	-1
59	09	5218	25.50	26.00	2.60	27	2	26	84	5.9	-5	-2	-0.5	-0.5	4.2	-1
60	09	5221	40.00	40.50	2.90	29	26	35	44	6.6	-5	-2	-0.5	-0.5	4.1	1
61	09	5226	62.00	62.50	3.20	24	-1	22	85	5.3	-5	-2	-0.5	-0.5	4.0	-1
62	09	5229	76.50	77.00	5.20	29	6	60	93	11.0	-5	-2	-0.5	0.5	4.0	3
63	09	5232	89.00	89.50	2.40	29	1	23	47	5.7	-5	-2	-0.5	-0.5	4.3	-1
64	09	CTL	-9.00	-9.00	0.30	10	1	-20	-5	0.2	-5	-2	-0.5	-0.5	1.7	-1
65	09	5237	124.00	124.50	3.80	31	12	36	80	6.5	-5	-2	-0.5	-0.5	4.2	2
66	09	5243	157.00	157.50	5.10	37	2	70	84	15.0	-5	-2	0.6	0.6	6.4	1
67	09	5248	224.00	224.50	3.60	34	2	41	100	12.0	-5	-2	-0.5	0.6	6.6	2
68	09	5249	246.00	246.50	2.30	41	-1	-20	70	4.0	-5	-2	-0.5	-0.5	3.8	-1
69	10	5250	19.50	20.00	7.10	13	-1	170	120	25.3	-5	-2	-0.5	0.7	0.9	3
70	10	5251	26.50	27.00	1.70	29	-1	48	110	12.0	-5	4	-0.5	-0.5	4.8	-1
71	10	5252	29.50	30.00	4.00	29	-1	73	93	13.0	-5	5	-0.5	0.7	4.2	1
72	10	5253	43.50	44.00	7.30	18	-1	97	82	13.0	-5	-2	-0.5	0.8	2.5	1
73	10	5254	48.50	49.00	2.70	44	-1	47	95	7.7	-5	-2	-0.5	0.5	6.4	-1
74	10	5255	64.00	64.50	2.50	33	-1	47	83	10.0	-5	-2	-0.5	-0.5	4.5	-1
75	10	5256	69.00	69.50	4.50	26	-1	77	100	19.0	-5	-2	-0.5	0.5	3.8	-1
76	10	5257	81.00	81.50	4.30	20	-1	64	79	14.0	-5	-2	-0.5	-0.5	2.6	-1
77	10	5260	113.00	113.50	2.70	28	-1	40	72	6.1	-5	-2	-0.5	0.5	4.1	-1
78	10	CTL	-9.00	-9.00	0.20	21	-1	-20	-5	0.3	-5	-2	-0.5	-0.5	2.6	-1
79	10	5261	131.00	131.50	12.00	14	-1	46	40	28.1	-5	-2	-0.5	1.0	1.1	1
80	10	5262	146.00	146.50	4.20	13	-1	45	68	25.3	-5	-2	0.7	0.7	1.0	-1
81	10	5263	161.00	161.50	5.00	14	-1	60	45	21.0	-5	-2	0.5	0.7	1.0	-1
82	10	5264	171.00	171.50	5.10	14	-1	49	75	20.4	-5	-2	0.8	0.7	1.2	-1
83	10	5265	185.00	185.50	8.60	13	-1	46	26	22.1	-5	-2	0.6	0.9	1.1	-1
84	10	5682	200.00	200.50	4.00	15	-1	26	59	18.0	-5	-2	-0.5	0.8	1.6	3
85	10	5683	217.50	218.00	8.40	11	-1	92	19	23.8	-5	-2	-0.5	0.7	0.9	1
86	11	5266	24.20	24.70	9.40	3	-1	86	-5	46.2	-5	-2	-0.5	-0.5	-0.2	-1
87	11	5273	68.50	69.00	12.00	25	-1	39	33	29.0	-5	-2	0.6	1.0	1.4	-1
88	11	5282	117.00	117.50	10.00	7	-1	26	-5	42.1	-5	-2	0.5	0.8	0.5	-1
89	11	5290	165.00	165.50	3.10	26	-1	-20	-12	11.0	-5	-2	0.8	1.5	3.4	5
90	11	5294	180.00	180.50	0.80	50	-1	-20	-13	3.5	-5	-2	2.8	3.3	7.8	8
91	11	5297	198.50	199.00	3.40	57	-1	26	74	7.2	-5	-2	0.7	0.9	6.2	-1
92	12	5301	124.50	125.00	1.70	38	-1	-20	69	3.3	-5	-2	-0.5	-0.5	4.2	-1
93	12	CTL	-9.00	-9.00	0.20	16	1	-20	-5	0.3	-5	-2	-0.5	-0.5	2.7	-1
94	12	5309	154.00	154.50	1.70	24	-1	23	110	10.0	-5	-2	-0.5	0.7	3.8	1
95	12	5311	173.30	173.80	2.10	31	-1	-20	56	2.7	-5	20	-0.5	-0.5	3.4	4
96	13	5404	47.50	48.00	6.60	11	-1	81	14	23.1	-5	-2	0.6	0.8	1.0	-1
97	13	5406	95.00	95.50	7.00	15	-1	30	20	23.0	-5	-2	0.8	0.8	1.1	-1
98	13	5407	115.50	116.00	8.30	12	-1	54	14	32.1	-5	-2	0.6	0.9	0.7	-1
99	13	5411	187.50	188.00	8.90	15	-1	59	44	36.8	-5	-2	0.7	0.8	0.9	-1

Line	Hole	Sample	From	To	U ppm	Yb ppm	Zn ppm	Ce ppm	Na %	Sn ppm	Te ppm	Zr ppm	Br ppm	Lu ppm	Sm ppm
1	01	5018	40.50	41.00	-0.2	2	170	22	2.00	-100	-10	260	-2.0	0.3	4.70
2	01	5020	71.50	72.00	0.3	-2	220	23	2.44	-100	-10	-200	-2.0	0.3	3.30
3	02	5105	113.00	113.50	1.9	-2	170	52	2.00	-100	-10	270	-2.0	0.2	4.90
4	02	5108	143.00	143.50	-0.2	3	190	10	1.40	-100	-10	-200	-2.0	0.4	2.80
5	02	5109	179.50	180.00	-0.2	3	180	5	1.20	-100	-10	-200	-2.0	0.4	3.00
6	03	5049	14.00	14.50	-0.2	-2	220	35	2.97	-100	-10	-200	-2.0	0.4	5.50
7	03	5050	32.00	32.50	-0.2	2	200	32	1.80	-100	-10	-200	-2.0	0.4	6.00
8	03	5055	83.00	83.50	0.2	-2	190	28	2.00	-100	-10	-200	-2.0	0.3	4.50
9	03	CTL	-9.00	-9.00	0.2	-2	-100	22	-0.02	-100	-10	-200	-2.0	-0.2	2.90
10	03	5057	130.50	131.00	-0.2	3	250	28	3.35	-100	-10	230	2.8	0.3	4.20
11	04	5062	25.00	25.50	0.3	-2	740	21	2.06	-100	-10	-200	-2.0	0.4	4.10
12	04	5067	52.50	53.00	0.3	2	170	24	2.85	-100	-10	260	-2.0	0.3	4.00
13	04	5074	83.50	84.00	0.5	2	-100	42	2.56	-100	-10	-200	-2.0	0.3	5.30
14	04	5075	105.00	105.50	0.5	3	160	47	2.68	-100	-10	420	-2.0	0.4	5.70
15	04	5082	169.50	170.00	-0.2	2	220	51	2.34	-100	-10	-200	-2.0	0.3	10.00
16	04	5084	176.00	176.50	0.2	2	160	35	0.51	-100	-10	350	-2.0	0.4	4.90
17	04	5086	182.00	182.50	0.4	-2	170	33	2.97	-100	-10	-200	-2.0	0.3	4.90
18	05	5148	61.50	62.00	0.4	-2	940	30	1.70	-100	-10	-200	-2.0	0.3	4.20
19	05	5149	67.50	68.00	0.6	-2	190	39	1.30	-100	-10	-200	-2.0	0.2	5.00
20	05	5150	87.00	87.50	0.5	3	150	41	0.86	-100	-10	470	-2.0	0.5	5.00
21	05	5151	94.00	94.50	0.3	2	120	23	2.73	-100	-10	-200	-2.0	0.3	3.50
22	05	5152	106.50	107.00	0.3	3	150	22	1.80	-100	-10	400	-2.0	0.4	4.70
23	05	5153	134.00	134.50	0.3	3	120	34	1.40	-100	-10	330	-2.0	0.4	4.90
24	05	5154	188.20	188.70	0.2	-2	140	20	0.89	-100	-10	-200	-2.0	0.3	3.00
25	05	5156	194.00	194.50	-0.2	2	190	25	1.60	-100	-10	-200	-2.0	0.4	4.30
26	05	5157	205.00	205.50	0.4	-2	100	27	1.70	-100	-10	210	-2.0	0.3	3.80
27	05	5178	247.70	248.20	-0.2	-2	400	34	1.50	-100	-10	-200	-2.0	0.2	4.40
28	05	5179	249.00	249.50	-0.2	-2	190	30	2.00	-100	-10	-200	-2.0	0.3	4.60
29	05	5180	262.50	263.00	0.2	2	200	21	0.88	-100	-10	280	-2.0	0.4	3.90
30	05	5181	273.50	274.00	0.4	-2	150	18	1.10	-100	-10	270	-2.0	0.2	2.80
31	05	5182	274.00	274.50	0.2	-2	120	27	0.55	-100	-10	-200	-2.0	0.2	3.00
32	05	CTL	-9.00	-9.00	0.5	-2	-100	47	-0.02	-100	-10	-200	-2.0	-0.2	5.50
33	06	5115	56.00	56.50	1.1	-2	190	52	1.70	-100	-10	230	-2.0	-0.2	5.80
34	06	CTL	-9.00	-9.00	-0.2	-2	-100	23	-0.02	-100	-10	-200	-2.0	-0.2	3.00
35	06	5118	94.00	94.50	-0.2	-2	130	16	2.07	-100	-10	-200	-2.0	0.2	3.30
36	06	5123	113.00	113.50	-0.2	-2	110	19	2.06	-100	-10	-200	-2.0	0.2	3.20
37	06	5129	134.00	134.50	0.4	2	160	34	1.00	-100	-10	340	-2.0	0.4	4.50
38	06	5135	146.50	147.00	1.0	-2	-100	40	5.19	-100	-10	-200	4.4	-0.2	5.10
39	07	5170	68.00	68.50	-0.2	-2	120	6	1.90	-100	-10	-200	-2.0	-0.2	1.40
40	07	CTL	-9.00	-9.00	-0.2	-2	-100	15	-0.02	-100	-10	-200	-2.0	-0.2	1.60
41	07	5172	80.50	81.00	0.4	3	240	24	1.70	-100	-10	340	-2.0	0.5	4.00
42	07	5174	94.00	94.50	1.3	10	-100	110	2.57	-100	-10	450	-2.0	1.6	15.00
43	07	5186	123.00	123.50	0.4	3	190	38	1.50	-100	-10	300	-2.0	0.4	5.60
44	07	5187	124.30	124.80	0.3	4	460	38	3.16	-100	-10	380	-2.0	0.5	6.20
45	07	5191	168.40	168.90	-0.2	3	200	18	1.40	-100	-10	360	-2.0	0.5	4.90
46	07	5201	210.50	211.00	0.3	2	160	33	2.47	-100	-10	-200	-2.0	0.4	4.20
47	07	5202	218.30	218.80	-0.2	-2	150	12	1.90	-100	-10	-200	-2.0	0.3	2.20
48	07	5204	225.70	226.00	0.5	2	110	41	3.26	-100	-10	340	-2.0	0.3	4.10
49	07	5209	254.00	254.50	-0.2	2	140	23	2.61	-100	-10	-200	-2.0	0.4	2.90
50	08	5210	77.00	77.50	0.9	-2	170	40	2.73	-100	-10	260	-2.0	0.2	3.00
51	08	5211	110.00	110.40	0.3	-2	140	16	2.10	-100	-10	230	-2.0	-0.2	2.00
52	08	5212	110.50	111.00	2.3	-2	150	57	3.27	-100	-10	310	-2.0	0.3	3.80
53	08	5213	145.50	146.00	2.2	2	180	61	2.85	-100	-10	-200	-2.0	0.3	4.20
54	08	5214	176.00	176.50	2.3	2	200	60	2.22	-100	-10	-200	-2.0	0.3	4.60
55	08	5215	194.85	195.30	2.3	-2	130	164	3.81	-100	-10	-200	-2.0	-0.2	11.00
56	08	CTL	-9.00	-9.00	0.4	-2	-100	37	0.03	-100	-10	-200	-2.0	-0.2	2.50

Line	Hole	Sample	From	To	U ppm	Yb ppm	Zn ppm	Ce ppm	Na %	Sn ppm	Te ppm	Zr ppm	Br ppm	Lu ppm	Sm ppm
57	08	5216	203.00	203.50	0.5	-2	200	35	1.80	-100	-10	-200	-2.0	0.3	4.10
58	08	5217	218.00	218.50	1.9	-2	130	51	3.02	-100	-10	-200	-2.0	0.2	3.80
59	09	5218	25.50	26.00	1.2	-2	380	48	1.90	-100	-10	-200	-2.0	-0.2	3.80
60	09	5221	40.00	40.50	1.1	-2	170	44	3.84	-100	-10	270	-2.0	-0.2	4.00
61	09	5226	62.00	62.50	1.0	-2	910	46	1.30	-100	-10	-200	-2.0	-0.2	3.60
62	09	5229	76.50	77.00	1.2	-2	230	51	1.40	-100	-10	-200	-2.0	-0.2	4.70
63	09	5232	89.00	89.50	1.1	-2	210	55	3.74	-100	-10	-200	-2.0	-0.2	3.80
64	09	CTL	-9.00	-9.00	0.2	-2	-100	22	-0.02	-100	-10	-200	-2.0	-0.2	1.90
65	09	5237	124.00	124.50	1.4	-2	230	63	1.90	-100	-10	250	-2.0	-0.2	4.90
66	09	5243	157.00	157.50	2.0	-2	180	63	2.59	-100	-10	350	-2.0	0.2	4.50
67	09	5248	224.00	224.50	1.4	-2	230	61	1.70	-100	-10	270	-2.0	-0.2	4.00
68	09	5249	246.00	246.50	1.0	-2	120	76	4.28	-100	-10	370	-2.0	-0.2	5.00
69	10	5250	19.50	20.00	0.3	-2	340	22	1.00	-100	-10	320	-2.0	0.3	2.90
70	10	5251	26.50	27.00	1.0	-2	-100	64	0.44	-100	-10	-200	-2.0	-0.2	5.40
71	10	5252	29.50	30.00	1.1	-2	170	64	0.79	-100	-10	-200	-2.0	-0.2	5.00
72	10	5253	43.50	44.00	1.1	-2	200	40	0.52	-100	-10	-200	-2.0	0.2	3.70
73	10	5254	48.50	49.00	1.5	-2	150	86	0.56	-100	-10	-200	-2.0	-0.2	6.50
74	10	5255	64.00	64.50	2.2	-2	200	71	1.10	-100	-10	-200	-2.0	-0.2	4.90
75	10	5256	69.00	69.50	3.9	-2	270	59	0.59	-100	-10	-200	-2.0	-0.2	4.60
76	10	5257	81.00	81.50	0.9	-2	240	47	0.67	-100	-10	-200	-2.0	0.2	3.80
77	10	5260	113.00	113.50	1.1	-2	240	60	1.50	-100	-10	-200	-2.0	-0.2	4.30
78	10	CTL	-9.00	-9.00	0.4	-2	-100	47	-0.02	-100	-10	-200	-2.0	-0.2	3.10
79	10	5261	131.00	131.50	0.3	3	360	30	0.67	-100	-10	-200	-2.0	0.4	3.60
80	10	5262	146.00	146.50	0.2	-2	470	33	1.60	-100	-10	-200	-2.0	0.2	3.70
81	10	5263	161.00	161.50	-0.2	-2	130	24	2.46	-100	-10	-200	-2.0	-0.2	3.40
82	10	5264	171.00	171.50	0.2	-2	610	23	2.48	-100	-10	-200	-2.0	0.2	3.50
83	10	5265	185.00	185.50	0.3	-2	190	23	2.23	-100	-10	-200	-2.0	0.3	3.30
84	10	5682	200.00	200.50	0.4	-2	180	29	1.50	-100	-10	-200	-2.0	0.3	3.60
85	10	5683	217.50	218.00	-0.2	2	150	24	1.10	-100	-10	-200	-2.0	0.3	3.00
86	11	5266	24.20	24.70	-0.2	-2	190	-5	2.42	-100	-10	-200	-2.0	0.2	1.80
87	11	5273	68.50	69.00	0.4	3	190	57	2.50	-100	-10	-200	-2.0	0.3	5.60
88	11	5282	117.00	117.50	-0.2	3	180	20	2.48	-100	-10	-200	-2.0	0.5	2.90
89	11	5290	165.00	165.50	0.6	5	-100	64	4.24	-100	-10	720	-2.0	0.7	6.90
90	11	5294	180.00	180.50	1.9	10	160	120	4.44	-100	-10	-200	-2.0	1.3	12.00
91	11	5297	198.50	199.00	1.2	-2	-100	100	3.83	-100	-10	-200	-2.0	-0.2	7.10
92	12	5301	124.50	125.00	0.9	-2	130	69	4.14	-100	-10	360	-2.0	-0.2	4.60
93	12	CTL	-9.00	-9.00	0.2	-2	-100	38	-0.02	-100	-10	-200	-2.0	-0.2	2.90
94	12	5309	154.00	154.50	1.1	-2	180	56	0.30	-100	-10	-200	-2.0	-0.2	4.50
95	12	5311	173.30	173.80	0.8	-2	4900	63	3.30	-100	-10	-200	-2.0	-0.2	3.60
96	13	5404	47.50	48.00	0.2	-2	-100	21	2.65	-100	-10	-200	-2.0	0.3	2.70
97	13	5406	95.00	95.50	0.4	3	240	30	3.16	-100	-10	560	-2.0	0.4	3.90
98	13	5407	115.50	116.00	-0.2	-2	170	28	2.61	-100	-10	-200	-2.0	0.3	3.60
99	13	5411	187.50	188.00	-0.2	2	210	35	1.70	-100	-10	-200	-2.0	0.3	4.20

2. THIN SECTION DESCRIPTIONS

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-01 Sample No.: 5018

Depth : 40.5

Field Rock Name: Mafic flow

Major Minerals: (% - habit, grain size):

Qz Fp	44%	groundmass
Amphiboles	35%	green hornblende - Porphyroblastic
Chlorite	13%	

Minor Minerals:

Opagues	3%
Calcite	5%
Epidote	tr

Veins, Fractures: Thin calcite veinlets 0.3 mm.

Alterations: Amphiboles locally corroded to calcite-epidote (well shown in shearing zones)

Rock Texture: Some shearing - much recristalization of Qz-Fp

Good foliation

Rock Name: Mafic flow

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-01 Sample No.: 5019

Depth : 55.7

Field Rock Name: Brecciated mafic flow

Major Minerals: (% - habit, grain size):

Qz Fp (flag)	25%	mostly groundmass and broken crystals
Calcite	40%	
Sericite	30%	

Minor Minerals:

Opaques	2%	
Chlorite	2%	
Amphiboles	1%	"shadows"
Tourmalines	tr	

Veins, Fractures:

Calcite veinlets

Alterations:

Pervasive calcite - sericite alteration

Rock Texture: Lepidoblastic - Some recrystalization of Qz-Fp

Moderate shearing - Strongly altered

Rock Name: Altered intermediate? flow?

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-01 Sample No.: 5020

Depth : 71.9

Field Rock Name: Felsic volcaniclastic fragment in mafic matrix
* Description of felsic fragment.

Major Minerals: (% - habit, grain size):

Qz } 90% very fine grained.
Fp plag }

Biotite 5% chloritized

Minor Minerals:

Opagues 3%
Sericites 2%
Amphiboles 1% broken fragments.

Veins, Fractures:

Alterations:
Sericite - Calcite alteration

Rock Texture: Mean grain size 0.05 mm, grain size increases near border of fragment. - Layered texture.

Rock Name: Rhyolite - felsic rock

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-01 Sample No.: 5026

Depth : 127.0

Field Rock Name: Felsic fragment in mafic flow

Major Minerals: (% - habit, grain size):

Qz, Fp	53%	mostly recrystalized
Carbonates	35%	pervasive
Biotite	5%	chloritized
Muscovite	3%	small flakes and some sericite.

Minor Minerals:

Opaques — Qz recrystalization around pyrites.
Tourmalines
Epidote.

Veins, Fractures:

Alterations: Strong carbonate alteration

Rock Texture: Lepidoblastic

Rock Name: Intermediate fragment

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION BUR-03 14.3m Sample No.: 5049

Field Rock Name: Massive mafic flow (massive sub-facies)

Major Minerals: (% - habit, grain size):

Q ≥ } * 40% groundmass + 15% ± Recrystalized shadows
Fp }

green Amphiboles ** 25% Porphyroblastic, poecilo blastic
Biotite 5%
Pyrox ?

** Amphiboles are very broken
* most Quartz-Feldspar are recristalized, some plag show perthites

Minor Minerals:

Opagues. 5% (some needle like opagnes!)
Carbonates (calcite) 10%
Apatite tr.
Epidote tr.

Veins, Fractures: —

Alterations: Calcite alteration (pervasive)

Rock Texture: Lepidoblastic ± nematoblastic, sheared, ± cataclased
Large amphiboles floating in a matrix of Quartz Feldspar biotite - Some shea

Rock Name: Intermediate flow

(Doc. #0029U - 19.11.86)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-03 Sample No.: 5050

Depth : 323.0m

Field Rock Name: Mafic flow

Major Minerals: (% - habit, grain size):

Qz } 38% groundmass (0.002 → 0.005 mm)
Fp }
Amphiboles <1%
Biotites 10%
Chlorites 20% very fibrous.
Carbonates 30%

Minor Minerals:

Opaques 2%
Tourmaline tr

Veins, Fractures:

Carbonates veinlets

Alterations: Orange brown iron oxyde staining (in carbonates)
Pervasive carbonate alteration

Rock Texture: Lepidoblastic, slightly sheared, altered

Rock Name: Intermediate flow ? not representative of sample ?
= discordant with chemistry and Jensen plot.

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-03 Sample No.: 5055

Depth : 83.1

Field Rock Name: Mafic flow (banded sub-facies)

Major Minerals: (% - habit, grain size):

Qz } 45% (0.05 → 0.07 mm) some shadows
Fp } of Fp plagioclase porphyry
Amphibole <1%
Chlorite (Fe) 37%
Carbonates ≤1
Muscovites 4%
Sericites 3%

Minor Minerals:

Opaques 3%
Sphenes <1%

Veins, Fractures:

Alterations:

Rock Texture: Lepidoblastic, sheared, crenulated

Rock Name: Altered intermediate flow

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION BUR-Ø3 130.8m Sample No.: 5057

Field Rock Name: Mafic flow - fine grained altered (banded sub-facies)

Major Minerals: (% - habit, grain size):

Quartz } 45%
Feldspar }

Chlorites (Fe) 5% poeciloblastic
Muscovite / Sericites 2%
Calcite. 35%

Minor Minerals: Opaques 3%
Epidotes 10%
Tourmaline <1%

Veins, Fractures: Calcite - epidote

Alterations: Feldspars are altered to clay (sericite)
Epidote - Calcite - chlorite alteration.

Rock Texture: Xenoblastic, very strongly altered

Rock Name: Altered intermediate tuff ? or flow

(Doc. #0029U - 19.11.86)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5062

Depth : 25.4m

Field Rock Name: Mafic pillow lava.

Major Minerals: (% - habit, grain size):

Quartz } 83% v-f. grained
Feldspar
Chlorite. ($Mg Al Fe$) 12%
Calcite 2%

Minor Minerals:

Opaques: 3%
Rutile Tr in Quartz

Veins, Fractures: Pyrite - calcite - quartz veins.

Alterations: Reaction rims around pyrite (chlorite)
Iron oxydes around pyrite vein

Rock Texture: Lepidoblastic, alternating sheared - not sheared
Grain size is coarser near pyrite vein.
Generally fresh rock -

Rock Name: Intermediate flow

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5067

Depth : 52.8m

Field Rock Name: Mafic flow with dark brown banding

Major Minerals: (% - habit, grain size):

Quartz } 80 % v. f-grained
Feldspar }
green Amphiboles (hornblende) 7% porphyroblastic, poecilob tic
Biotites 7%
Chlorites 5%
Calcite. 4%

Minor Minerals:

Opaques 5%
Epidotes —
Muscovites. < 1%
Tourmaline Tr

Veins, Fractures: - Quartz calcite (muscovite) vein.
- Calcite vein

Alterations: Amphiboles are very altered.
Pyrite cristals are surrounded by chlorite - carbonates sim.

Rock Texture: Lepidoblastic, Strongly altered
few clasts or amygdules. Somewhat layered

Rock Name: Intermediate flow - pyriteous

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5068

Depth : 47.2m

Field Rock Name: Banded mafic to intermediate flow.

Major Minerals: (% - habit, grain size):

Quartz } 65 % f. grained
Feldspar }

Sericites 29 %
Chlorite ≤1 %
Carbonates 1%

Minor Minerals:

Opaques.	3 %	flattened
Tourmaline	1%	
Garnet	1%	Poecilloblastic, Porphyroblastic
Apatite	tr.	

Veins, Fractures: Quartz - calcite - muscovite - pyrite vein.
Chlorite.

Alterations: Some alteration of feldspar.

Rock Texture: Lepidoblastic, moderately sheared very strongly foliated - augen texture around quartz "nodule" (amygdules?)

Rock Name: Intermediate flow

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5074

Depth : 83.7

Field Rock Name: Felsic flow

Major Minerals: (% - habit, grain size):

Qz } 60% groundmass
Fp plags } +10% as corroded, poecilobastic Fp phenocrysts
Chlorite 5%
Muscovite 10%
Biotite 2%
Carbonates 10%

Minor Minerals:

Opaques 3%
Tourmaline <1%
Apatite tr

Veins, Fractures:

Alterations: Chlorite rim around pyrite.
Clay altered feldspar phenocrysts.

Rock Texture: Lepidoblastic, slightly sheared

Rock Name: Felsic porphyritic flow or tuff

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5075A

Depth : 105.2m

Field Rock Name: Massive Felsic flow (porphyritic)

Major Minerals: (% - habit, grain size):

Qz } 60% groundmass +
Fp plag. } 10% plagioclase phenocryst. - corroded.

Biotite 11%
Sericite 14%
Calcite 5%

Minor Minerals:

Opagues 2%
Apatite tr.

Veins, Fractures:

Alterations: Strong clay alteration of feldspar phenocrysts. Feldspar are replaced by sericite

Rock Texture: Lepidoblastic, some shearing, Layered, rapid change of granulometry with layering.

Rock Name: Felsic porphyritic flow or tuff

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5075 B

Depth : 105.3 m

Field Rock Name:

Major Minerals: (% - habit, grain size):

see 5075 A

Minor Minerals:

See 5075 A

Veins, Fractures:

Alterations:

Rock Texture:

Rock Name: Felsic feldspar porphyry. "flow" or "tuff"

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5082

Depth : 169.9

Field Rock Name: Mafic porphyroblastic flow

Major Minerals: (% - habit, grain size):

Quartz } Feldspath }	48%	recristalized groundmass
Amphiboles	39%	porphyroblastic, poecilo blast
Chlorites (Mg Al Fe)	3%	
Calcite	1%	

Minor Minerals:

Opaques	8%
Epidote	1%
Apatite	tr

Veins, Fractures: Calcite. Epidote in veinlets

Alterations: Strongly corroded amphiboles
Chloritic reaction rims around pyrite.
Strong sericite - epidote alteration

Rock Texture: ± Nemato blastic, diablastic, Strongly to moderatly sheared.

Rock Name: Porphyroblastic intermediate flow

(Doc. #0005U - 11.05.88) high TiO_2

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5084
Depth : 176.0

Field Rock Name: Mafic flow
Amphibole-garnet porphyroblastic

Major Minerals: (% - habit, grain size):
Qz } 22 % groundmass
Fp } +3% plagioclases porphyros
Amphib 30% porphyroblastic, poecilloblastic
Chlorite (Fe) 10%
Calcites 2%
Garnets 30% porphyroblastic, poecilloblastic

Minor Minerals:
Opagues 2%
Epidotes 1%
Zircons tr in amphiboles

Veins, Fractures:

Alterations: Strongly corroded garnets, altered amphiboles
Strongly altered plagioclases

Rock Texture: Sheared, lepidoblastic

Rock Name: Porphyroblastic intermediate flow

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COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5086

Depth : 182.1m

1- Mafic facies

Field Rock Name: Tuffs or volcaniclastic or lapilli tuff rapidly alternating mafic / intermediate layers

Major Minerals: (% - habit, grain size):

Qz } 50 as groundmass +
Fp } 10% plagioclase porphyros

Amphiboles 25% (green hornblende + actinolite) - porphyroblastic - porphyroblastic - Idiomorphe

Biotite. 5%

Calcite. 1%

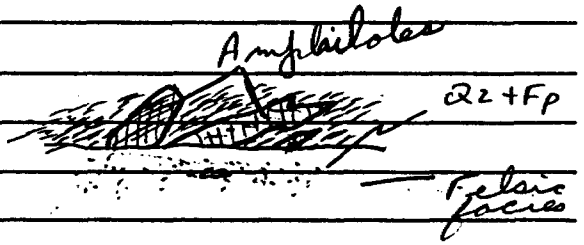
Chlorite 3%

Minor Minerals: Opagues: 1%

Sphenes tr

Veins, Fractures: —

Mafic facies is discontinuously cutted by felsic facies



Alterations: Amphiboles are broken and somehow corroded, calcite alteration.
Strong clay alteration of plagioclases

Rock Texture: Lepidoblastic strongly sheared.

Rock Name: Porphyroblastic intermediate tuff

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COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-04 Sample No.: 5086

Depth : 182.1

2- Felsic-facies

Field Rock Name:

Major Minerals: (% - habit, grain size):

Qz } 85% groundmass
Fp } +10% plagioclase phenocrysts idiomorphic.

Muscovite 2%
Calcite. 2%

Minor Minerals:

Opagues 1%
Apatite <1%
Chlorite tr

Veins, Fractures:

Alterations: Pervasive carbonate alteration.
Plagioclases are "clay altered"

Rock Texture: Fine grained, homogenous "fresh" massive

Rock Name: Porphyritic felsic tuff

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COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: 5218

Depth : 25.65

Field Rock Name: Blue quartz schist (tuff)

Major Minerals: (% - habit, grain size):

Qz } 40 % mostly recrystalized groundmass
Fp } +24 % rounded strained quartz eyes + altered plagioclase phenocrysts
Biotite 10 %
Muscovite 3 %
Sericite 12 %
Calcite 10 %

Minor Minerals:

Opaques 1 %
Apatite ≤ 1 % ± embedded
Oligiste tr.
Epidote < 1 %

Veins, Fractures:

Alterations: Strong sericitization along foliation planes

Rock Texture: Lepidoblastic schist

Rock Name: Intermediate crystal tuff

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COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION **Hole No.:** BUR-09 **Sample No.:** 5221

Depth : 40.12

Field Rock Name: Crystal tuff

Major Minerals: (% - habit, grain size):

Quartz } 50% mostly recristalized? groundmass (An 3)

Feldspar } 31% sanded strained polycrystaline quartz (11%) eyes + altered Fp (20%) plag phenocryste

Biotite 10% greenish

Muscovite 3%

Calcite 3%

Chlorite 1%

Minor Minerals:

Opaques	≤ 1%	Epidote	tr
Zircon	tr	Chloritoïd	tr.
Apatite	≤ 1% phenocryst.	rutile	tr.
Sphenes	tr		

Veins, Fractures:

Alterations: Clay - Calcite alteration of plagioclases

Rock Texture: Augen schist

Rock Name: Intermediate crystal tuff

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COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: 5226

Depth : 61.90

Field Rock Name: Crystall tuff

Major Minerals: (% - habit, grain size):

Quartz } 50% mostly recrystalized groundmass.
Feldspar } 15% rounded strained ± polycrystaline quartz phenocrysts.
Calcite 10%
Biotite 7%
Sericite 15%

Minor Minerals:

Opaques 3% some euhedral cristals
Tourmalines tr.
Garnet? <1%
Apatite tr. phenocryst?

Veins, Fractures: Calcite vein

Alterations: Pervasive calcite sericite

Rock Texture: Lepidoblastic, banded. augen schist.

Rock Name: Intermediate crystal tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: 5229

Depth : 76.96

Field Rock Name: Felsic crystal tuff

Major Minerals: (% - habit, grain size):

Quartz }	33%	recrystalized groundmass.
Feldspar }	20%	rounded, strained, polycrystaline quartz phenocryst augen.
Sericite	35%	35%
Biotite	3%	3%
Chlorite	1%	1%

Minor Minerals:

Opaque (pyrite)	~7%	mostly euhedral
Apatite	~1%	phenocryst

Veins, Fractures: —

Alterations: Pervasive sericite reaction rim around pyrite.

Rock Texture: Lepidoblastic augen schist

Rock Name: Felsic crystal tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: 5232

Depth : 89.25

Field Rock Name: Crystal tuff

Major Minerals: (% - habit, grain size):

Quartz } 40 % recrystalized groundmass.
Feldspar } 35 % rounded strained ± polycrystaline (15%) quartz augen + altered Fp plag. phenocrysts (20%
Calcite 7%
Biotite 5%
Muscovite 10%
Chlorite < 1 %

Minor Minerals:

Opaque 2% ± euhedral pyrite.
Apatite 1% phenocrysts

Veins, Fractures: —

Alterations: Clay altered plagioclases

Rock Texture: Augen schist

Rock Name: Felsic crystal tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: 5237

Depth : 124.10

Field Rock Name: Quartz augen tuff

Major Minerals: (% - habit, grain size):

Quartz } 63% mostly groundmass
Feldspar } 10% rounded strained ± polycrystalline 4% quartz augen + altered plagioclase phenocrysts 6%
Sericite 17%
Biotite 3%
Chlorites 4%

Minor Minerals:

Opaques 3% ± euhedral.
Tourmalines tr
Apatite tr

Veins, Fractures:

Alterations: Strongly corroded/altered plagioclases
Sericitization?
reaction rim around pyrites.

Rock Texture: Lepidoblastic augen schist

Rock Name: Intermediate crystal tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: 5243

Depth : 157.4

Field Rock Name: Lapilli tuff

Major Minerals: (% - habit, grain size):

	Light	Dark bands	
Qz }	47%	10%	mostly groundmass
Fp }	25%	25%	rounded strained polycrystalline quartz augen + altered Fp plag phenocrysts
Biotite	2%	47%	greenish
Sericite	20%	0	
Calcite	3%	15%	

Minor Minerals:

Opaques 2% ± euhedral Zircon tr

Tourmaline tr in quartz

Apatite 1%

Epidote tr.

Veins, Fractures:

Alterations:

Rock Texture: Lepidoblastic banded augen schist

finer grained light felsic band, layered with coarser darker band.

Rock Name: Intermediate lapilli tuff

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COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: —

Depth : 199.02

Field Rock Name: Cystal tuff

Major Minerals: (% - habit, grain size):

Qz } 40% recrystalized groundmass "interstitial.
Fp } 35% mostly altered Fp plagioclase (An 35) phenocrysts. ± idiomorphic
Biotite 15%
Sericite 6%
Calcite 1%
Chlorite tr.

Minor Minerals:

Opaques 2%
Apatite < 1% ± euhedral

Veins, Fractures:

Alterations: Strong clay alteration of plagioclases
Calcite alteration of chlorite.

Rock Texture: Augen schist

Rock Name: Intermediate dyke

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: —

Depth : 204.80

Field Rock Name: Crystal tuff

Major Minerals: (% - habit, grain size):

Quartz } 38 % mostly groundmass.
Feldspar } 25 % rounded strained ± polycrystalline 5% quartz + altered ± idiomorphic 20% Fp plag (An3) phenocrysts.
Biotite ~10 %
Muscovite / Sericite ~15 %
Calcite 10 %

Minor Minerals:

Opaques 2 %
Apatite <1 %

Veins, Fractures:

Alterations: Strongly clay altered plagioclases

Rock Texture: Augen schist.

Rock Name: Dykee ?

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: 5248

Depth : 224.23

Field Rock Name: "Ash fall" tuff

Major Minerals: (% - habit, grain size):

Quartz } 56% recrystalized groundmass
Feldspar } 20% * rounded strained ± polycrystaline quartz augen
Muscovite / Sericite 20%
Biotite 2%
Calcite 2%

* rare altered Fp phenocrysts.

Minor Minerals:

Opaques ~1%
Tourmaline tr.
Apatite tr.

Veins, Fractures:

Alterations:

Rock Texture: Lepidoblastic augen schist

Rock Name: Intermediate lapilli tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-09 Sample No.: 5249

Depth : 246.10

Field Rock Name: Cjstal tuff

Major Minerals: (% - habit, grain size):

Quartz } 40% recrystalized groundmass

Feldspar } 32% 27% altered ± idiomorphic Fp plag (An2) phenocrysts + 5% strained rounded quartz augen

Biotite 4%

Muscovite 5

Sericite 3

Calcite 4%

Minor Minerals:

Opaque 2%

Tourmaline tr.

Apatite tr

Veins, Fractures: —

Alterations: Strong calcite/sericite alteration.
Strong plagioclase alteration

Rock Texture: Augen

Rock Name: Felsic porphyritic tuff ? or dyke?

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88-06-01
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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5250

Depth : 19.5

Field Rock Name: Intermediate tuff

Major Minerals: (% - habit, grain size):

Quartz } 28% mostly fine grained recrystalized groundmass
Feldspar } 5% rounded, strained ~~fractured~~ polycrystalline quartz eyes - Lapilli?
Biotite 50%
Sericite 10%
Chlorite 5%

Minor Minerals:

Opaques 3% ± euhedral Oligiste tr.
Tourmaline < 1%
Pistachite (epidote) tr
Zircons tr in biotite

Veins, Fractures: Calcite veins?

calcite abundant in coarser grained segregations (veins?)
and as discrete grains adjacent to quartz eyes total ~ 5%

Alterations: Pervasive sericite alteration.

minor green mica (alteration of biotite?) → fuchsite?

Rock Texture: Lepidoblastic sheared schist

Rock Name: Intermediate crystal tuff

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* (doesn't look like a basalt)

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5251

Depth : 26.5

Field Rock Name: "transition" facies

Major Minerals: (% - habit, grain size):

Quartz } 46% recrystalized groundmass. mean grain size 0.05 mm
Feldspar } 20% rounded ± stretched ? quartz phenocryst
Sericite 30%
Calcite. 2%

Minor Minerals:

Opaques ≤ 1%
Iron oxydes tr.
Clinozoisite ~1% ?
Apatite tr.

Veins, Fractures:

Alterations: Feldspars? are corroded and are coated with Iron oxyde film

Rock Texture: Lepidoblastic lightly sheared schist

Quartz phenocryst are relatively small -

Rock Name: Felsic crystal tuff

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* sheared S_1/S_2 @ 15°

Very homog.. T.S.

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5252

Depth : 29.5

Field Rock Name: dark gray facies

Major Minerals: (% - habit, grain size):

Quartz } 33% mostly groundmass
Feldspar } only a few rounded quartz phenocrysts.
Sericite 25%
Calcite 25%
Chlorite <1%
Biotite 12% greenish

Minor Minerals:

Opaques. 4% ± euhedral. (including iron oxydes)
Pistachite ~1%
Tourmaline tr.

Veins, Fractures:

Alterations: Strong calcite - epidote - chlorite alteration

Rock Texture: ± altered Schist

Rock Name: Intermediate ash tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: —

Depth : 34.9

Field Rock Name: green rock facies

Major Minerals: (% - habit, grain size):

Quartz } 15% fine grained groundmass
Feldspar } 7% rounded ± stretched ± strained quartz phenocrysts. (augen?)
Sericite 77%

Minor Minerals:

Opaques 3% including iron oxydes
Tourmaline tr
Epidote tr

Veins, Fractures: —

Alterations: Altered, iron oxyde coated, plagioclases

Rock Texture: Lepidoblastic augen schist.

Rock Name: Sericitic ash tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5253

Depth : 43.5

Field Rock Name: Crystal tuff

Major Minerals: (% - habit, grain size):

Quartz } 30% fine grained ground mass.
Feldspar } 40 % ← 30% altered rounded Fp phog. + 10% rounded, strained ± polycrystaline quartz
Biotite 10 %
Sericite 10 %
Calcite 2 %

Minor Minerals:

Opaques 8% Apatite tr.
Clinozoisite < 1%
Tourmaline (green) tr.
Zircon tr in biotite

Veins, Fractures: —

* Feldspar phenocryst show abundant opagues inclusions

Alterations: Strongly clay altered porphyric plagioclases

Rock Texture: Lepidoblastic augen schist.

Several polycristaline slightly stretched rounded clasts.

Rock Name: Intermediate crystal tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5254
Depth : 48.5

Field Rock Name: Intermediate tuff

Major Minerals: (% - habit, grain size):
Quartz } 15 % fine grained groundmass.
Feldspar } 12 % 6% altered Fp "shadow" phenocysts + 6% rounded ± polycrystalline "quartz eyes"
Sericite 60%
Biotite 3% greenish
Calcite 8%

Minor Minerals:
Opaques 2% euhedral pyrite.
Tourmalines <1%
Zoisite / Clinozoisite tr.
Sphenes. tr.

Veins, Fractures: Calcite vein?

Alterations: Pervasive calcite - sericite alteration
one zone shows high calcite content low sericite on each side; high calcite, low sericite.
very altered Fp phenocysts.

Rock Texture: Lepidoblastic altered augen schist.

Rock Name: Felsic crystal tuff

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BURNTBUSH RIVER PROJECT

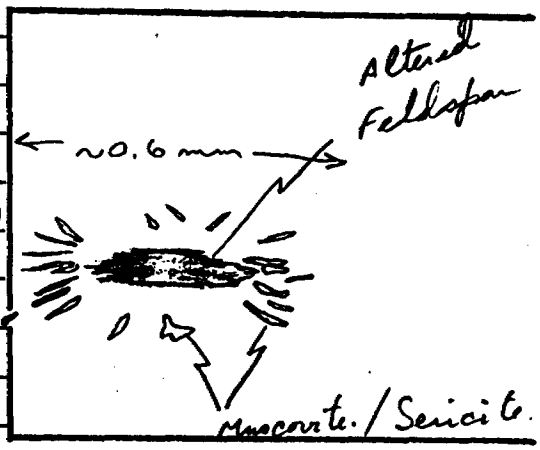
THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: —

Depth : 58.8

Field Rock Name: Orange banding

Major Minerals: (% - habit, grain size):

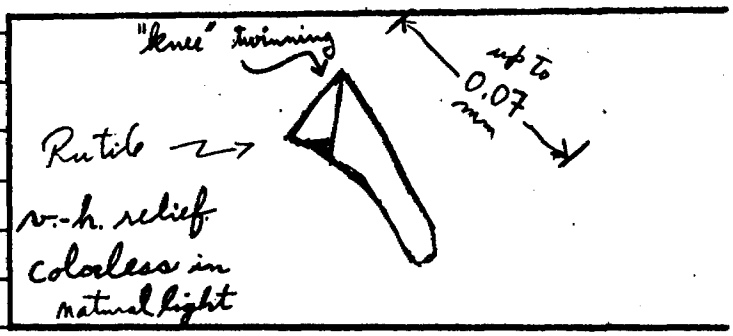
Qz } 20% fine grained groundmass
Fp } 56% strongly altered Feldspar phenocryst (50%)
+± rounded strained ± polycrystaline quartz phenocryst (6%)
Sericite 20% fasicular? radiating from feldspar phenocryst.



Minor Minerals:

Opaques. ~2%
Rutile ~2% acicular, needles
Oligiste tr.

Veins, Fractures:



Alterations: Strongly altered feldspar (flag?) Iron-Titanium oxydes

Rock Texture: Augen schist
Fibro radiated sericites around altered feldspars.
Slight cremulation

Rock Name: Intermediate crystal tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-1β Sample No.: 5255

Depth : 64.Ø

Field Rock Name: Transition facies

Major Minerals: (% - habit, grain size):

Quartz } 9% groundmass
Feldspar } 2% ± rounded quartz phenocrysts

Sericite 80%

Minor Minerals:

Opaques (pyrites + Iron oxydes) ~4%
Epidotes (Zoïsite + Clinozoïzite) 5%

Veins, Fractures: Epidote filling fractures

Alterations: Strong sericite / epidote alteration.

Rock Texture: Sheared ? (augen) schist

Rock Name: Intermediate sericitic ash tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5256

Depth : 69.0

Field Rock Name: Intermediate tuff

Major Minerals: (% - habit, grain size):

Quartz	19%	fine grained groundmass.
Feldspar	8%	mostly altered feldspar phenocryst. - some "shadows"
Calcite.	29%	29%.
Sericite	30%	30%
Biotite	10%	10%

Minor Minerals:

Opaques	3%	some euhedral pyrites.
Tourmaline (green)	~1%	

Veins, Fractures: Tourmaline filled vein. (dark contorted veinlets)

Alterations: Strong sericite - calcite alteration
strong Feldspar alteration.

Rock Texture: altered, slightly sheared, schist.

Rock Name: Intermediate crystal tuf.

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BB-06-02

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5257

Depth : 81.0

Field Rock Name: Intermediate tuff quartz augen

Major Minerals: (% - habit, grain size):

Qz } 3% ground mass

Fp } 70% large ± flattened (30%) polycrystaline quartz lapilli + altered ± recrystalized Fp phenocryst (40%)

Biotite 15%

Chlorite Mg Al 3%

Epidote + Clinozoisite 3%

Carbonates (calcite) < 1%

Muscovite / Sericite 3%

Minor Minerals:

Opaques 3% ± euhedral pyrite

Zircon tr in biotite

Veins, Fractures:

Thin opaque minerals in feldspar crystals.

Alterations: Chlorite - Sericite - Epidote alteration + carbonates

Strong sericite alteration of Feldspar.

Rock Texture: Sheared. altered lepidoblastic schist.

Rock Name: Intermediate crystal tuff

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88-06-13

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5260

Depth : 113.0

Field Rock Name: Blue quartz eye tuff

Major Minerals: (% - habit, grain size):

Quartz } 34% fine grained groundmass
Feldspar } 20% ± rounded ± polycrystaline quartz phenocrysts.
Sericite 40%
Biotite 3% somehow chloritized
Calcite 2%

Minor Minerals:

Opaques 1% corroded.
Epidotes <1% Oligiste tr
Zircons tr. in biotites
Tourmaline tr.

Veins, Fractures: Carbonates (calcite) veinlets.
polycrystaline Quartz vein

Alterations: Stiong sericite - carbonate alteration.

Rock Texture: Lepidoblastic lightly sheared? augen schist.

Rock Name: Intermediate crystal tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5261

Depth : 131.0

Field Rock Name: fine grained tuff

Major Minerals: (% - habit, grain size):

Quartz } Feldspar	2%	interstitial
	18%	mostly altered feldspar ± interstitial
Amphibole	52%	diablastic generaly poeciloblastic.
Biotite	8%	
Garnet	4%	poeciloblastic euhedral
Calcite	1%	
Chlorite	10%	

Minor Minerals:

Opaques	5% ± euhedral.
Zircons	tr in biotite
Epidote	tr.

Veins, Fractures:

Alterations: Some calcite - chlorite alteration of amphiboles (epidote)

Strongly sericitized / clay altered plagioclases

Rock Texture: Foliated ± sheared. schist

Rock Name: Mafic crystal tuff

Dyke?

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5262

Depth : 146.0

Field Rock Name: intermediate tuff

Major Minerals: (% - habit, grain size):

Quartz } 42% mostly groundmass
Feldspar }
Chlorite (Fe) 10%
Calcite 25
Sericite / Muscovite 20%

Minor Minerals:

Opaque 3%
Epidote tr
Oligiste tr

Veins, Fractures:

Alterations: Strong calcite alteration. (Pervasive)
very altered rock.
chlorite apparently mostly derived from biotite

Rock Texture: Strongly altered ± foliated schist

Rock Name: Intermediate ash tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION **Hole No.:** BUR-10 **Sample No.:** 5263

Depth : 161.0

Field Rock Name: Intermediate volcanic

Major Minerals: (% - habit, grain size):

Quartz } Feldspar }	55%	fine grained ± recrystalized groundmass.
	4%	quartz + altered feldspar phenocrysts.
Biotite	12%	
Amphibole	15%	porphyroblastic.
Chlorite	3%	
Carbonate	7%	calcite
Sericite	2%	

Minor Minerals:

Opaques	2%
Apatite	tr

Veins, Fractures: Calcite vein.

Alterations: Strong carbonate alteration.

Rock Texture: Fine grained, lepido-nematoblastic, well foliated, lightly sheared schist

Rock Name: Intermediate ash tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5264

Depth : 171.0

Field Rock Name: Intermediate Volcanic.

Major Minerals: (% - habit, grain size):

Quartz } 40% fine grained ± recrystalized groundmass
Feldspar } 8% ± rounded quartz + ± altered feldspar phenocrysts.
Amphiboles (green hornblende) 24% poikilyoblastic, poecilloblastic
Chlorite 1%
Biotite. 17%
Calcite 5%

Minor Minerals:

Opaques 5%
Zircons tr in amphiboles and biotites.
garnet tr.

Veins, Fractures: -

Alterations: Strong calcite alteration.

Rock Texture: Lepido-nematoblastic
± flattened polycrystaline quartz lapilli
± crenulated

Rock Name: Intermediate ash tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5265

Depth : 185.0

Field Rock Name: Intermediate Tuff

Major Minerals: (% - habit, grain size):

Quartz } 40% fine grained ± recrystalized ground mass.
Feldspath } 10 % large, fuzzy polycrystaline quartz + altered feldspar phenocryst.
Amphibole 35% porphyroblastic - poecilobastic, diablastic
Chlorite 5%
Biotite 4%
Calcite 2%

Minor Minerals:

Opagues 4%
Zircons tr in amphiboles / biotites
Tourmalines tr
Apatite tr

Veins, Fractures: Quartz - calcite veinlet.

Alterations: Calcite alteration

Rock Texture: fine grained Nematoblastic, slightly sheared schist

Rock Name: Mafic crystal tuff

becomming mafic at one end of T.S

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 5282 6

Depth : 200.0

Field Rock Name: Mafic - Intermediate tuff

Major Minerals: (% - habit, grain size):

Quartz } 30% mostly recrystalized groundmass
Feldspar } 10% large polycrystaline quartz lapilli + altered plagioclase phenocryst.
Sericite 35%
Biotite 3%
Carbonate 15%

Minor Minerals:

Opaques 3% rod-like, ± acicular
Oligiste tr
Epidote + Clinozoisite 4% prumpellyite <1%

Veins, Fractures: Epidote - calcite - silica veinlet

Alterations: Very strong carbonate - chlorite - epidote alteration. pervasive

Rock Texture: Lepidoblastic, augen schist ± crenulated

Rock Name: Intermediate crystal tuff

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BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-10 Sample No.: 56283

Depth : 217.5

Field Rock Name: Mafic - Intermediate tuff

Major Minerals: (% - habit, grain size):

Quartz } 38% mostly : strongly altered plagioclase (~10%) stretched ?
Feldspar } polycrystaline quartz lapilli (23%) and rounded strained quartz phenocrysts
Amphibole 30% (green hornblende) poecilolastic, porphyroblastic
Chlorite 10%
Biotite 3%
Calcite 15%
Epidote / Pistachite 1%

Minor Minerals:

Opaques 3%
Zircons tr in amphiboles

Veins, Fractures: Calcite veinlets

Alterations: Strong, pervasive calcite alteration.
Clay alteration of feldspar

Rock Texture: Nematoblastic, well foliated, sheared. augen schist

Augen texture around Feldspatic "clasts"

Rock Name: Mafic lapilli tuff or dyke

could be a sheared dyke!

(Doc. #0005U - 11.05.88)
88-06-14

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: 5266
Depth : 24.55

Field Rock Name: Sheared Gabbro

Major Minerals: (% - habit, grain size):
Quartz } ~20% interstitial
Feldspar }
Amphiboles 73% (green hornblende + actinolite) diablastic porphyroblastic.
Chlorite 5%

Minor Minerals:
Opaques 2%
Zircons tr. in amphiboles

Veins, Fractures: —

Alterations: light clay alteration of feldspar

Rock Texture: Nematoblastic sheared (foliated) schist.

Rock Name: Sheared metagabbro

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: 5270

Depth : 61.45

Field Rock Name: Sheared quartz vein? or dyke?

Major Minerals: (% - habit, grain size):

Quartz	67%	mostly granoblastic groundmass
Feldspar (plagioclase)	10%	some Fp porphyroblasts.
Amphiboles	15%	poecilobastic
Biotite	4%	
Carbonates	< 1%	
Chlorite.	2%	

Minor Minerals:

Opaques	2%	
Zircons	tr	in amphiboles.
Apatite?	tr.	

Veins, Fractures: Clay altered alongs fractures

Alterations: Pervasive clay alteration of rock. (light alt.)
Some carbonate alteration

Rock Texture: Granoblastic - porphyroblastic

Rock Name: Sheared metagabbro

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: 5273

Depth : 68.55.

Field Rock Name: Sheared Gabbro.

Major Minerals: (% - habit, grain size):

Quartz, Feldspath	15%	mostly interstitial, recrystalized
Amphibole	43%	(green hornblende and actinolite) poiphyroblastic
Biotite	25%	± poeciloblastic
Chlorite	10%	fasciculan
Sericite	4%	

Minor Minerals:

Opaques	3%	
Zircons	tr.	in biotite and amphiboles
Apatite	tr	

Veins, Fractures: —

Alterations: Pleocroïc haloes around zircons in biotites and amphiboles

Rock Texture: Sheared, lepidoblastic, ± cataclased gabbro

Rock Name: Sheared metagabbro

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: —
Depth : 113.78

Field Rock Name: Sheared gabbro or massive mafic flow.

Major Minerals: (% - habit, grain size):

Quartz / Feldspar	33%	mostly as ± recrystalized groundmass
Amphiboles	15%	porphyroblastic hornblendes - actinolite
Chlorite		
Biotite	20%	
Sericite	20%	
Carbonates	5% ?	

Minor Minerals:

Opaques	2%
Zoisite	5%

Veins, Fractures: Carbonate (calcite) veinlets

Alterations: Strong calcite - sericite - epidote alteration.

Rock Texture: Lepidoblastic (± nematoblastic) sheared, altered schist.

Rock Name: Strongly sheared metagabbro

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: 5282
Depth : 117.05

Field Rock Name: Mafic flow or gabbro.

Major Minerals: (% - habit, grain size):

Quartz } 43% mostly recrystalized
Feldspar }
Amphiboles 39% green hornblende / actinolites, poecilo blastic, porphyro blastic
Chlorites. 3%
Biotites 7%
Sericites. –
Carbonates 5%

Minor Minerals:

Opaques 3% large size
Apatite tr.

Veins, Fractures: Calcite / clay alteration on fractures

Alterations: Moderate to strong clay alteration.

Rock Texture: Nematoblastic, altered, ± cataclased, ± sheared schist.

Rock Name: Sheared metagabbro

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: 5290

Depth : 165.40

Field Rock Name: Diorite?

Major Minerals: (% - habit, grain size):

Quartz 35 mostly interstitial and large granoblastic "pockets"
Feldspar 43 mostly as altered plagioclase with much inclusions
Chlorites (Fe) 10 %
Biotites. 8 %
Muscovites <1 %

Minor Minerals:

Opaques 4 %
Calcite tr.
Zircons tr in chlorites
Apatite tr

Veins, Fractures:

Alterations: Plagioclases show a clay alteration

Rock Texture: ± Granoblastic ± cataclased

Quartz cristals in "veinlets" show a mortar texture. (v-f grained opaques)

Rock Name: Felsic "granitoid"

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: 5294

Depth : 180.8

Field Rock Name: Diorite schist. — sheared quartz vein. —

Major Minerals: (% - habit, grain size):

Quartz 46% mostly large polycrystaline

Felspath 40% ± altered plagioclases - some phenocrysts. - mostly groundmass

Chlorite (Fe) 6%

Muscovite 6%

Minor Minerals:

Opagues 2%

Zircons tr in chlorites.

Sphenes tr.

Veins, Fractures: chlorite along fractures.

Alterations: Clay alteration of feldspars.

Rock Texture: Granoblastic ± cataclased

Rock Name: Felsic granitoid

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: —

Depth : 196.25

Field Rock Name: Diorite ?

Major Minerals: (% - habit, grain size):

Quartz	42 %	mostly ± large recrystalized sutured crystals
Feldspar	36 %	mostly groundmass and ± altered phenocrysts to -plagioclases
Chlorite	10 %	dark green chlorite
Muscovite	2 %	
Biotite	2 %	
Carbonates	2 %	

Minor Minerals:

Opagues	3 %	poecilloblastic Oligiste tr.
Apatite	tr	
Garnets	3 %	
Zircons	tr. in garnets	

Veins, Fractures:

Alterations: Some calcite alteration.
Strongly corroded garnets
Clay altered plagioclases (light alteration)

Rock Texture: ± granoblastic ± altered

Rock Name: Intermediate crystal tuff

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-11 Sample No.: 5297

Depth : 199.0

Field Rock Name: Dyke? quartz eye xenolith?

Major Minerals: (% - habit, grain size):

Quartz } 60% mostly recrystaliged ± granoblastic groundmass
Feldspar } 10% large ± altered ± rounded plagioclase phenocrysts.
Biotite 20 %
Calcite 8 %
Muscovite 1 %

Minor Minerals:

Opaques 1% sub-euhedral, frequent muscovite rim!
Apatite <1%
Zircon tr in biotite

Veins, Fractures: —

Alterations: Clay altered feldspar
slightly chloritized biotites.
Pervasive calcite alteration.

Rock Texture: Lepidoblastic well foliated schist.

Rock Name: Intermediate porphyritic dyke?

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-12 Sample No.: 5301

Depth : 124.67

Field Rock Name: Granodiorite slightly sheared.

Major Minerals: (% - habit, grain size):

Quartz } 30% very fine grained ± recrystalized groundmass
Feldspar } 32% large strained rounded quartz eye (7%) + altered plagioclase phenocrysts (25%)
Sericite 15%
Calcite 10%
Biotite 12% chloritized ?

Minor Minerals:

Opaques 1%
Apatite <1% subhedral.
Tourmaline tr. dark green
Iron oxydes

Veins, Fractures: Small polycrystaline quartz veinlet

Alterations: Strong calcite - sericite alteration

Rock Texture: Sheared, foliated augen schist.

Rock Name: Granodiorite porphyry

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-12 Sample No.: 5309

Depth : 154.80

Field Rock Name: Tuff

Major Minerals: (% - habit, grain size):

Quartz } 42% mostly medium grained groundmass (.035-.05mm)
Feld. } 10% strained angular quartz phenocysts. (0.1-0.5mm

Sericite 25%

Calcite 20%

Minor Minerals:

Opaque 3%

Apatite tr.

Pumpellyite tr.

Veins, Fractures:

Alterations: Clay and sericite alteration of feldspar.

Rock Texture: Lepidoblastic altered schist.

Rock Name: Felsic quartz eye tuff

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-12 Sample No.: —

Depth : 169.95

Field Rock Name: Granodiorite with Qz Fp porphyro.

Major Minerals: (% - habit, grain size):

5301

Minor Minerals:

ttl

Veins, Fractures:

Alterations:

Rock Texture:

Rock Name: Granodiorite porphyry.

identical to T.S. 5301

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-13 Sample No.: 5404

Depth : 47.5

Field Rock Name: Mafic to intermediate flow.

Major Minerals: (% - habit, grain size):

Quartz } 50% quartz feldspar groundmass
Feldspar } 4% altered feldspar phenocrysts - mostly broken crystals
Amphiboles 40% green hornblende - porphyroblastic - poecilloblastic
Chlorite 1%
Biotite 3%

Minor Minerals:

Opaques 2%
Apatite < 1%
Epidote (Pistachite) tr.
Zircons tr in biotite.

Veins, Fractures: Clinozoisite - Pistachite in seinlets.

Alterations: Clay alteration of feldspars.

Rock Texture: Nematoblastic lightly sheared, foliated schist.

Rock Name: Mafic flow

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-13 Sample No.: 5406

Depth : 95.0

Field Rock Name: Mafic to intermediate flow

Major Minerals: (% - habit, grain size):

65

Quartz } 60% mostly groundmass
Feldspath } 5% large polycrystalline quartz clasts (~5%) + altered plagioclase phenos (<1%)
Amphib. 26% porphyroblastic, poecilloblastic
Chlorite. 2%
Calcite. 1%
Muscovite tr
Biotite 3%

Minor Minerals:

Opaques 3% mostly as "rodlike" needles (Ti?)
Apatite tr

Veins, Fractures: Quartz - calcite vein

Alterations: Clay alteration of feldspars

Rock Texture: Nematoblastic sheared well foliated schist.

Rock Name: Intermediate flow.

(Doc. #0005U - 11.05.88)
88-06-16

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-13 Sample No.: 5407

Depth : 115.9

Field Rock Name: Mafic - intermediate flow

Major Minerals: (% - habit, grain size):

Quartz } 50% recrystalized? groundmass
Feldspar } 3% polycrystaline stretched quartz clast. (Lapilli?)
Biotite 8% + some plagioclase phenocryst
Chlorite <1%
Amphiboles 35% (green hornblende + actinolite) diablastic, poiphyroblastic
Carbonates 1% calcite?

Minor Minerals:

Opagues. 3%
Zircons tr in biotite
Epidotes tr
Apatite tr

Veins, Fractures: Calcite veinlets.
polycrystaline Quartz veinlets.

Alterations: Clay alteration of plagioclases.

Rock Texture: Nematoblastic foliated schist

Rock Name: Mafic flow

(Doc. #0005U - 11.05.88)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

THIN SECTION DESCRIPTION Hole No.: BUR-13 Sample No.: 5411

Depth : 187.5

Field Rock Name: Amphibole schist

Major Minerals: (% - habit, grain size):

Quartz } 57% mostly fine grained groundmass
Feldspar } ± recrystalized
Amphib. 33% green hornblendes + actinolites / poecilloblastic porphyro blastic
Chlorite 2%
Biotite 5%

Minor Minerals:

Opaques 3%
Apatite tr
Zircons tr in Amphiboles
Epidotes tr.

Veins, Fractures: Quartz-Calcite veinlets (several)

Alterations:

Rock Texture: Nematoblastic ± cataclastic, sheared, schist

Rock Name: Intermediate flow.

(Doc. #0005U - 11.05.88)

Ares Lab. 8908-002

Ministry of Northern Development and Mines
Ontario

Report of Work

DOCUM
W890

32E12SW0065 20 HOBLITZELL 900

Name and Postal Address of Recorded Holder

Hoblitzelle prospect

COGEMA CANADA LIMITED | **T-4677**

2000 Mansfield, Suite 400, Montreal, Quebec, H3A 2Z1

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
8576		See attached							
for Performance of the following work. (Check one only)	[redacted]	list		[redacted]			[redacted]		
☐ Manual Work									
☐ Shaft Sinking Drifting or other Lateral Work.									
☐ Compressed Air, other Power driven or mechanical equip.									
☐ Power Stripping									
☒ Diamond or other Core drilling									
☐ Land Survey									

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE JAN 17 RECEIVED

All the work was performed on Mining Claim(s): See attached list

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Diamond Drill Contractor: Les Forages Foranord Inc.
920 boulevard Rideau
C.P. 307
Rouyn-Noranda, Quebec
J9X 5C3

Equipment:
- 2 unitized drill shacks with super 38 Longyear core drills with hydraulic tower, hydraulic chuck, hydraulic mud mixer,
- pressure pumps: Beam 435 with hydraulic motor,
- supply pumps: Beam pump with AC 1 diesel motor in unitized shack,
- BQ core barrels, rods, BW and NW casing,
- bulldozer, timberjack, sloops, portable heated water tank (for transporting water to holes remote from river, lakes)
- one full camp with kitchen, workshop, sleeping facilities.

Date of Report	Recorded Holder or Agent (Signature)
16 Dec 1988	Denis Lesage, V.P. Admin

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

John Learn, 2000 Mansfield, Suite 400, Montreal, Quebec, H3Z 2Z1

Date Certified	Certified by (Signature)
16 Dec 1988	John Learn

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

768 (85/12)

MINING LANDS: PLEASE COMPLETE THIS FORM & RETURN IT WITH REPORT TO THE ASSESSMENT FILES OFFICE

DATE REMOVED: (from AFO) March 9th : DATE RETURNED: (to AFO') _____

REPORT # : DD20 - Hoblitzell Twp

FICHE NO. : _____ (where applicable)

REASON FOR REQUESTING REPORT (complete #1-4 below):

1. INFORMATION ADDED TO EXISTING PAGES OF REPORT: ☐

IF YES, SPECIFY PAGES: _____

: _____

: _____

2. a) PAGES/MAPS ADDED TO THIS REPORT: ____ TOTAL PAGES ADDED

: ____ TOTAL MAPS ADDED

b) TYPE OF PGS ADDED: _____ CORRESPONDENCE

: _____ WORK REPORTS (AMENDED)

: _____ WORK RPTS (NEW)

: _____ MISSING PAGES OF TEXT

: _____ OTHER (PLEASE SPECIFY)

3. a) REMOVAL OF PGS FROM REPORT: _____ TOTAL PGS REMOVED

b) TYPE OF PAGES REMOVED : _____ CORRESPONDENCE

: _____ WORK REPORTS

: _____ PGS OF TEXT

: _____ OTHER (PLEASE SPECIFY)

4. REPORT NEEDED FOR REFERENCE ONLY: ☒

NO INFORMATION ALTERED : ☒

NO INFORMATION ADDED : ☒

NO INFORMATION DELETED : ☒

L789211	25	L789243	25	L789275	25	L789307	25	L789339	25
L789212	25	L789244	25	L789276	25	L789308	25	L789340	25
L789213	25	L789245	25	L789277	25	L789309	25	L789341	25
L789214	25	L789246	25	L789278	25	L789310	25	L789342	25
L789215	25	L789247	25	L789279	25	L789311	25	L789343	25
L789216	25	L789248	25	L789280	25	L789312	25	L789344	25
L789217	25	L789249	25	L789281	25	L789313	25	L789345	25
L789218	25	L789250	25	L789282	25	L789314	25	L789346	21
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L789225	25	L789257	25	L789289	25	L789321	25	L789353	18
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L789241	25	L789273	25	L789305	15	L789337	25	L789369	21
L789242	25	L789274	25	L789306	15	L789338	25	L789370	21

.../2

L789371	21	L789403	28	L789435	28	L789467	28	L789499	28
L789372	21	L789404	28	L789436	28	L789468	28	L789500	28
L789373	21	L789405	28	L789437	28	L789469	28	L789501	28
L789374	21	L789406	28	L789438	28	L789470	28	L789502	28
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L789376	21	L789408	28	L789440	28	L789472	28	L789504	28
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L789383	21	L789415	28	L789447	28	L789479	28	L789562	38
L789384	21	L789416	28	L789448	28	L789480	28		
L789385	21	L789417	28	L789449	28	L789481	28	L892946	75
L789386	21	L789418	28	L789450	28	L789482	28	L892947	75
L789387	21	L789419	28	L789451	28	L789483	28	L892948	75
L789388	21	L789420	28	L789452	28	L789484	28	L892949	75
L789389	28	L789421	28	L789453	28	L789485	28	L892950	75
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L789400	28	L789432	28	L789464	28	L789496	28		
L789401	28	L789433	28	L789465	28	L789497	28		
L789402	28	L789434	28	L789466	28	L789498	28		

10
2
12

25
129
160
313

WORK WAS PERFORMED ON THE FOLLOWING CLAIMS:

L789239	BUR-12	0-191	meters	626.6 feet
L789304	BUR-11	0-217	meters	711.9 feet
L789316	BUR-13	0-71	meters	232.9 feet
L789317	BUR-13	71-188	meters	383.9 feet
L789318	BUR-09	0-257	meters	843.2 feet
L789326	BUR-10	0-14	meters	45.9 feet
L789329	BUR-10	14-244	meters	754.6 feet
L789332	BUR-01	0-200	meters	656.2 feet
L789332	BUR-03	0-149	meters	488.8 feet
L789335	BUR-04	0-200	meters	656.2 feet
L789357	BUR-05	0-278	meters	912.1 feet
L789358	BUR-06	0-247.2	meters	811.0 feet
L789358	BUR-07	203-260	meters	187.0 feet
L789359	BUR-07	0-203	meters	666.0 feet
L789458	BUR-02	0-154	meters	505.2 feet
L789459	BUR-02	154-245	meters	298.6 feet
L789467	BUR-08	147-228.3	meters	266.7 feet
L789468	BUR-08	0-147	meters	482.3 feet
Total:		2904.5	meters	9529 feet = 9529 days

Note: Also included in the report on drilling are analytical results and thin sections descriptions which would add an additional 920 days work; however, only 8576 days are needed to bring the total assessment credits over all 312 claims which comprise the Burntbush River property to the required amount of 200 days. Thus, the full five years' work has been performed and reported.

(Doc.: 1608c)

DETAILED GEOLOGIC LEGEND

PROTEROZOIC

8	Diabase dyke

ARCHEAN

6	FELSIC INTRUSIVE ROCKS
	6a Spade Lake porphyry
	6b Apatite granite
	6f Feldspar porphyry
	6g Green quartz diorite
5	MAFIC INTRUSIVE ROCKS
4	METASEDIMENTARY ROCKS
	4a Argillite, mudstone
	4b Greywackes (Group 1)
	4c Greywackes (Group 2)
	4g Graphitic argillite, tuffaceous rocks
	4v Volcaniclastic rocks
3	FELSIC METAVOLCANIC ROCKS
	3a Fine-grained/aphanitic flows
	3b Porphyroblastic/massive flows
	3f Porphyritic flow or tuff/crystal tuffs
2	INTERMEDIATE METAVOLCANIC ROCKS
	2a Fine-grained/aphanitic flows and/or ashfall tuffs
	2b Porphyroblastic/massive flows
	2c Lapilli tuffs/agglomerate
	2f Porphyritic flow or tuff/crystal tuffs
	2r Mixed rapidly alternating mafic/felsic tuffs
1	MAFIC METAVOLCANIC ROCKS
	1a Fine-grained/aphanitic flow and/or ashfall tuff
	1b Porphyroblastic/massive flows
	1c Lapilli tuffs/agglomerate
	1e Pillow lava
	1g Gabbro sill

sf: Sulfides very abundant >10% over part of drill hole

q: Thick quartz veins present (eg > 1m).

SYMBOLS

- Minor fold axis (25)
- Mineral lineation

WORKING LEGEND

6a	Spade Lake porphyry
5	METAGABBRO
2	INTERMEDIATE METAVOLCANICS Locally transitional to felsic and/or mafic varieties
1	MAFIC METAVOLCANICS Locally transitional to intermediate varieties and containing minor felsic units

SYMBOLS

- Interpreted geologic contacts
- Interpreted shear
- Interpreted shear showing sense of movement (*horizontal component only*)
- Shear zone of substantial width

LEGEND

- BUR-09 — Diamond drill hole
- BOB-50 — Reverse circulation drill hole
- x — Trenches, outcrop
- Claim post located
- Blazed line
- Claim post approximate
- Drill roads

Magnetometer survey (total field)

All readings in range of 58000 gammas

INDEX MAP

LOCATION MAP

INDEX TO ADJOINING N.T.S. SHEETS 1/50,000

COGEMA Canada Ltee/Ltd.

SCALE 1/5000

0 100 200 300 400 500 600 METERS

BURNTBUSH RIVER PROJECT

Burntbush grid

GEOLOGIC INTERPRETATION

Interpretation by: J. Learn, R. St-Jean	Date	Report no. 88-CND-47-03
Drafted by: R. Allie	12/88	Annex no.
Base map: E. M. Exploration Inc.	2/88	MAP NO. 11
Revise by:		

INDEX TO ADJOINING N.T.S. SHEETS 1/50,000

42H 32E

COGEMA Canada Ltée/Ltd.

SCALE: 1:1/20,000

Meters 0 500 1000 1500 2000 2500

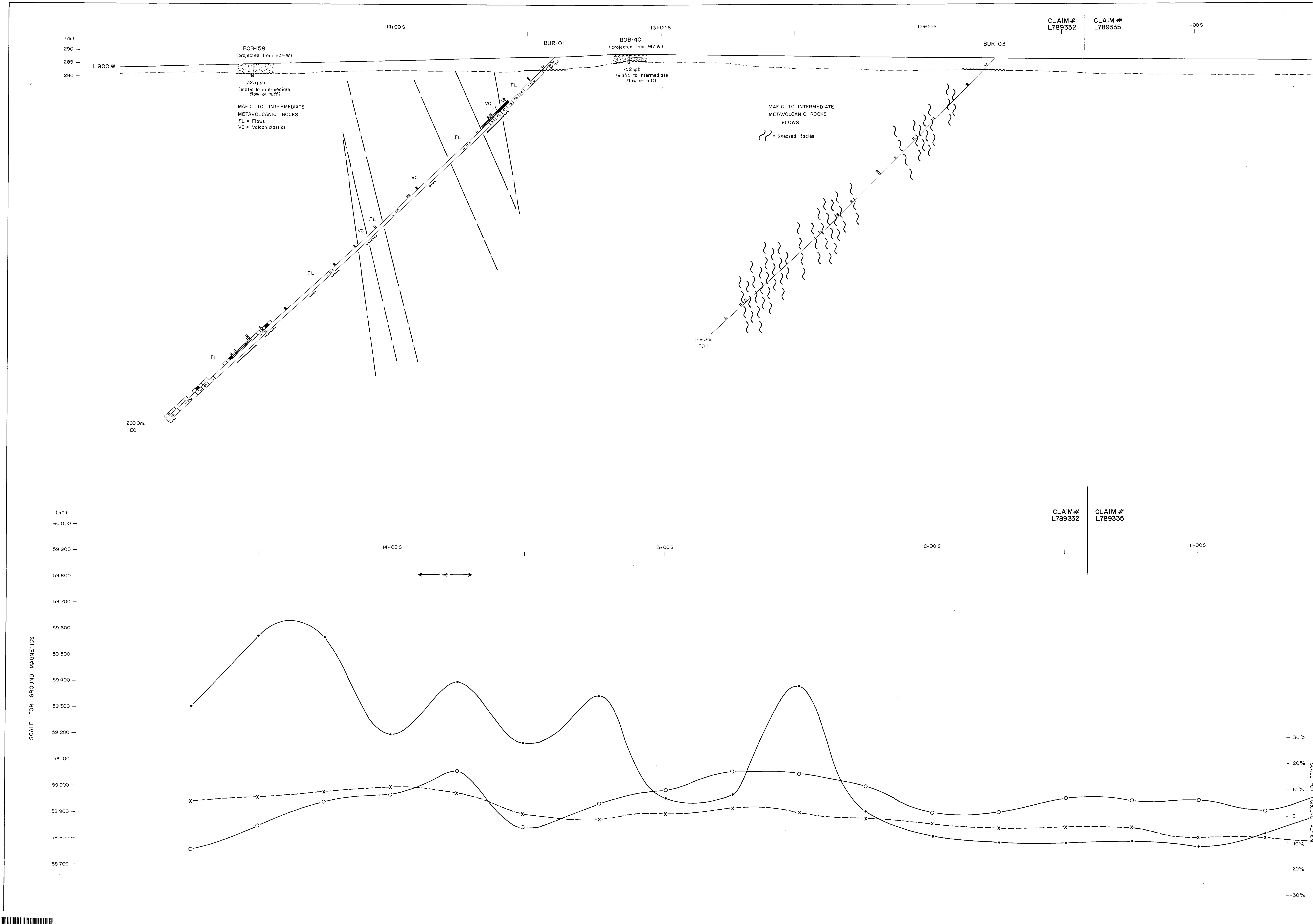
Feet 0 2000 4000 6000 8000

BURNTBUSH RIVER PROJECT

DIAMOND DRILL HOLE LOCATIONS

Interpretation by: J. Learn, R. St-Jean	Date	Report no. 88-CND-47-03
Drafted by: R Allie	12/88	Annex no.
Base map: Claims 8/86	Grid 12/88	MAP NO. 1
Revise by:		

210



LEGEND

OVERBURDEN UNITS:

- Organics
- Cochrane till
- Ojibway II glaciolacustrine clay and sand
- Matheson till

DIAMOND DRILL HOLE GEOLOGICAL SYMBOLS:

- Overburden / bedrock contact
- Contact; observed, extrapolated (using S_1 to core axis)
- Shearing
- Boundary sheared, unsheared (using S_2 to core axis)
- Recovery, RQD only plotted when necessary; SF (py= pyrite, po= pyrrhotite) >1%, ≤1%

SAMPLING:

Reverse circulation:

- Till sample; 1 Au grain, 140 ppb Au in HMC
- Till sample; 0 Au grain, 61 ppb Au in HMC
- Overburden / bedrock contact
- Bedrock sample; Au result

<2 ppb

Diamond drill hole:

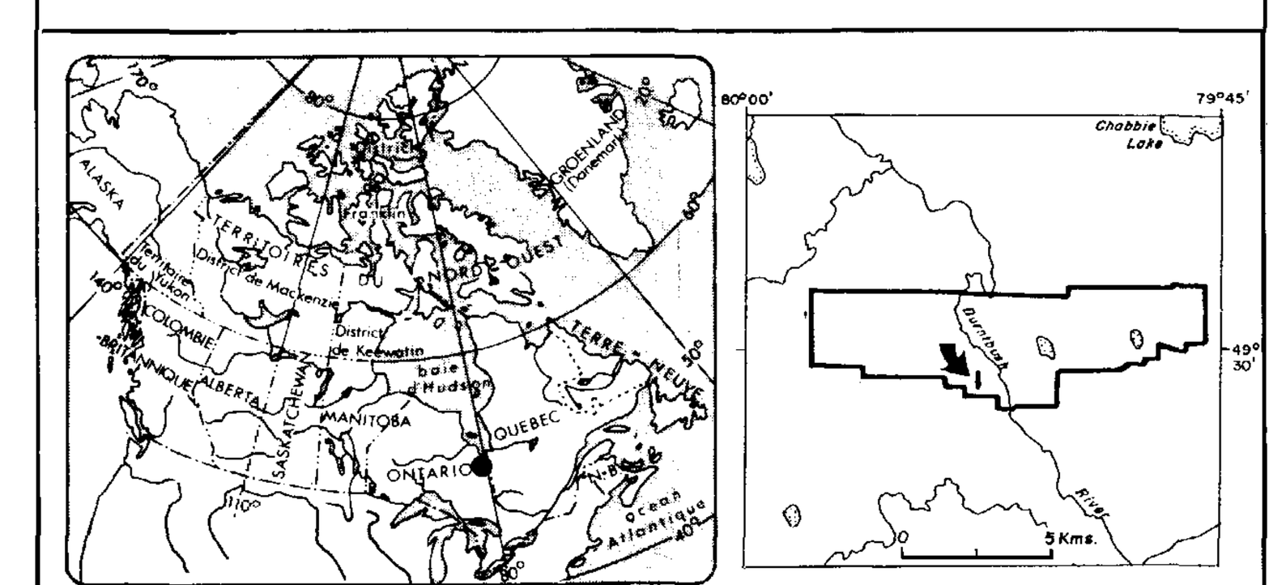
ppb Au	g/t Au
<5	trace
5 - 49	0.2
50 - 99	0.3
100 - 199	
200 - 499	
≥500	

Chimitec analyses: (detection limit 2ppb or 5ppb depending on method)

Mine Yvan Vezina analyses: (detection limit 0.2g/t.)

GROUND GEOPHYSICS PROFILES:

- Interpreted IP anomaly
- Magnetics (total field)
- VLF-EM in - phase
- VLF-EM quadrature



COGEMA Canada Ltée/Ltd.

Scale 1: 500

Metres 0 10 20 30 40 50 60
Feet 0 50 100 150 200

BURNTBUSH RIVER PROJECT

L.900W (South) DIAMOND DRILL HOLES BUR-01, BUR-03 CROSS - SECTION

	Date	
Interpretation by: J. Learn, R. St-Jean		Report no. 88-CND-47-03
Drafted by: R. Allie	5/88	Annex no.
Base map:		MAP NO. 6
Revise by:		

220

L E G E N D

OVERBURDEN UNITS:

- Organics
- Cochrane till
- Ojibway II glaciolacustrine clay and sand
- Matheson till

DIAMOND DRILL HOLE GEOLOGICAL SYMBOLS:

- Overburden / bedrock contact
- Contact; observed, extrapolated (using S_1 to core axis)
- Shearing
- Boundary sheared, unsheared (using S_2 to core axis)
- (%) Recovery, RQD (%), SF: Recovery, RQD only plotted when necessary; SF (py= pyrite, po= pyrrhotite) >1%, ≤1%

SAMPLING:

Reverse circulation:

- 1 | 140 — Till sample; 1 Au grain, 140 ppb Au in HMC
- 61 — Till sample; 0 Au grain, 61 ppb Au in HMC
- Overburden / bedrock contact
- Bedrock sample; Au result
- <2 ppb

Diamond drill hole:

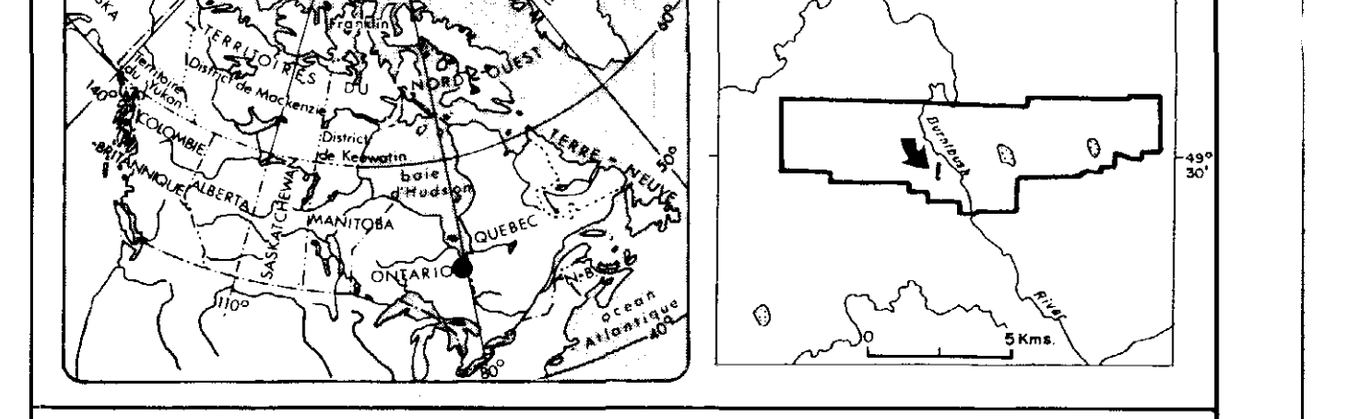
ppb Au	g/t Au
<5	trace
5 - 49	0.2
50 - 99	0.3
100 - 199	
200 - 499	
≥500	

Chimitec analyses: (detection limit 2ppb or 5ppb depending on method)

Mine Yvan Vezina analyses: (detection limit 0.2g/t.)

GROUND GEOPHYSICS PROFILES:

- Interpreted IP anomaly
- Magnetics (total field)
- VLF-EM in - phase
- VLF-EM quadrature



COGEMA Canada Ltée/Ltd.

Scale 1: 500

Meters 0 10 20 30 40 50 60

Feet 0 50 100 150 200

BURNTBUSH RIVER PROJECT

L.900 W (North)
DIAMOND DRILL HOLES
BUR-04, BUR-10
CROSS - SECTION

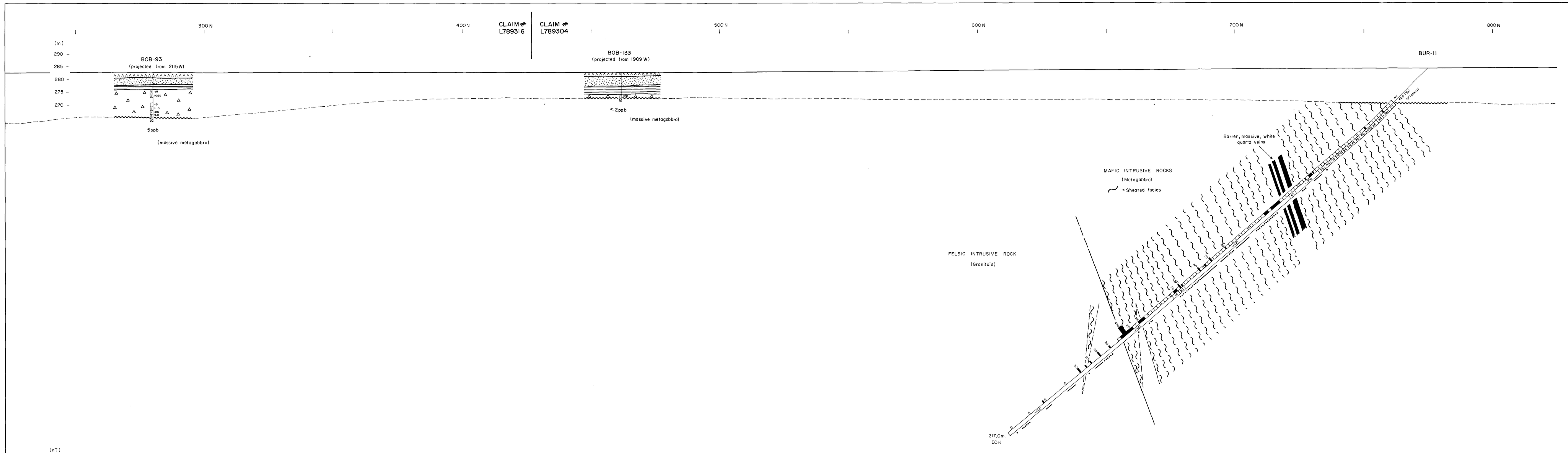
Interpretation by: J. Learn, R. St-Jean	Date
Drafted by: R. Allie	5/88
Base map:	
Revise by:	

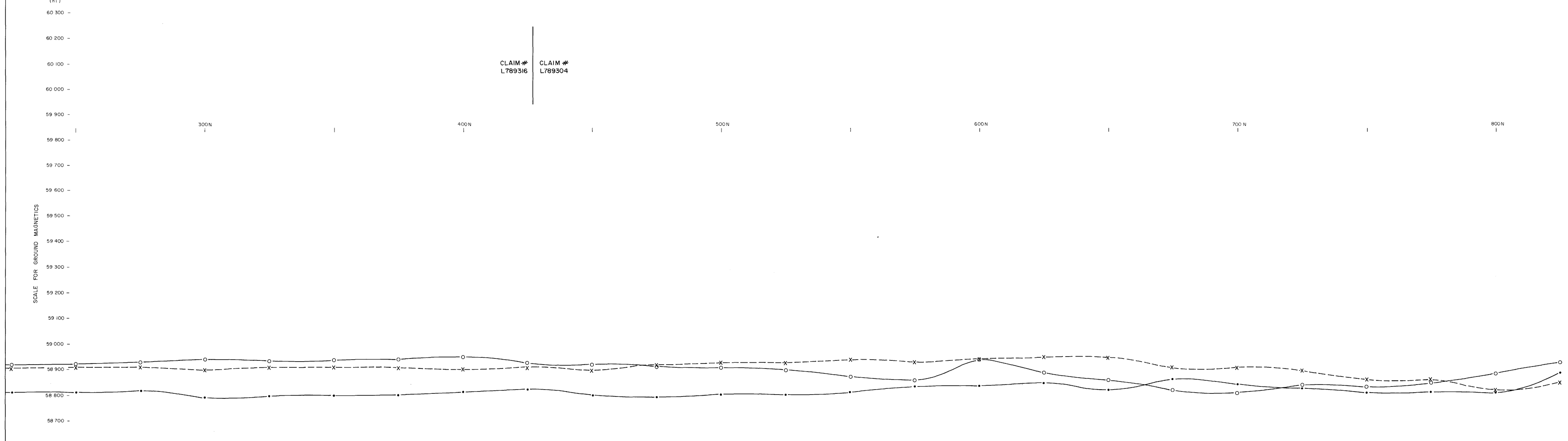
Report no. 88-CND-47-03

Annex no.

MAP NO. 7

238





LEGEND

OVERBURDEN UNITS:

- Organics
- Cochrane till
- Ojibway II glaciolacustrine clay and sand
- Matheson till

DIAMOND DRILL HOLE GEOLOGICAL SYMBOLS:

- Overburden / bedrock contact
- Contact; observed, extrapolated using S_1 to core axis
- Shearing
- Boundary sheared, unsheared using S_2 to core axis
- Recovery, RQD only plotted when necessary
  SF (py= pyrite, po= pyrrhotite) <1%, ≥1%

SAMPLING:

Reverse circulation:

- Till sample; 1 Au grain, 140 ppb Au in HMC
- Till sample; 0 Au grain, 61 ppb Au in HMC
- Overburden / bedrock contact
- Bedrock sample; Au result

<2 ppb

Diamond drill hole:

ppb Au: -5; 5 - 49; 50 - 99; 100 - 199; 200 - 499; ≥500

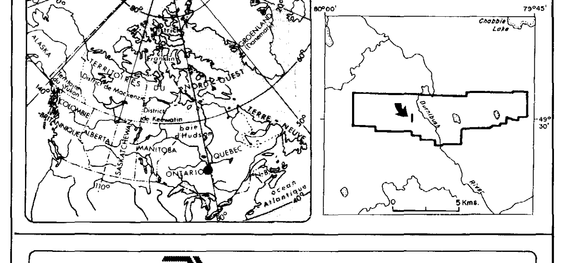
g/t Au: trace; 0.2; 0.3

Chimitec analyses: (detection limit 2ppb or 5ppb depending on method)

Mine Yvon Vezina analyses: (detection limit 0.2g/t)

GROUND GEOPHYSICS PROFILES:

- Interpreted IP anomaly
- Magnetics (total field)
- VLF-EM in - phase
- VLF-EM quadrature



COGEMA Canada Ltée/Ltd.

Scale 1: 500

Metres 0 5 10 20 30 40 50 60

Feet 0 50 100 150 200

BURNTBUSH RIVER PROJECT

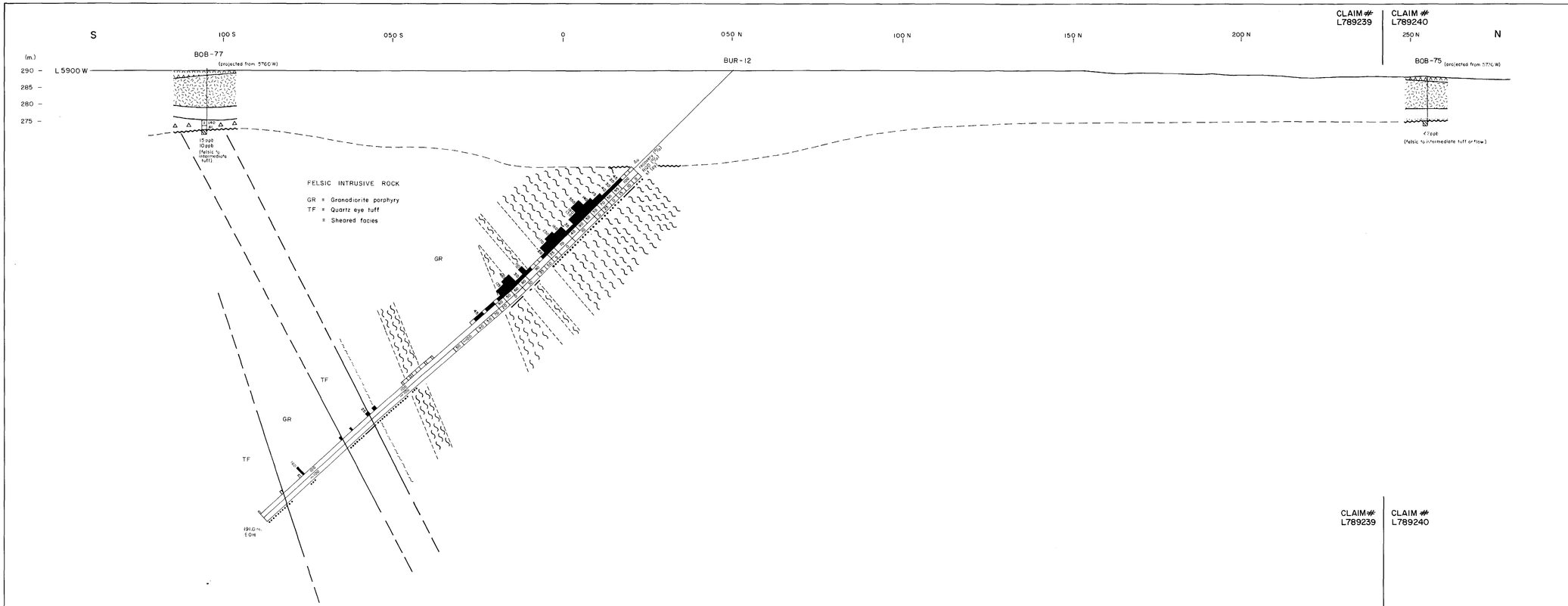
L.2000 W (North)
DIAMOND DRILL HOLE
BUR - 11
CROSS - SECTION

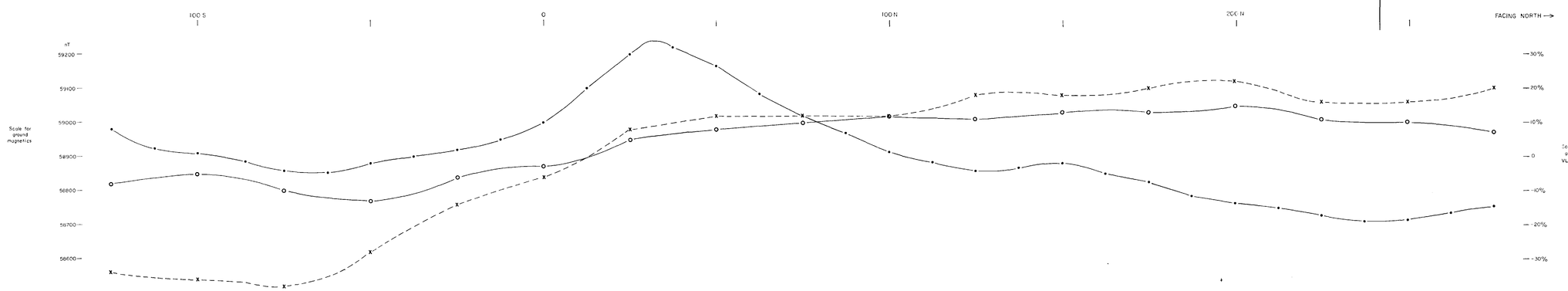
	Date
Interpretation by: J. Learn, R. St-Jean	
Drafted by: R. Allie	5/88
Base map	
Revised by	

Report no. 88-CND-47-03

Annex no.

MAP NO. 9





LEGEND

OVERBURDEN UNITS:

- Organics.
- Cochrane till.
- Ojibway II glaciolacustrine clay and sand.
- Matheson till.

DIAMOND DRILL HOLE GEOLOGICAL SYMBOLS:

- Contact; observed, extrapolated (using S_1 to core axis).
- Shearing.
- Boundary sheared, unsheared (using S_2 to core axis)
- Sulfide (principally pyrite); ~1%, ≫1%.

SAMPLING:
REVERSE CIRCULATION:

- 14C / 61: Till sample; 1 Au grain, 140 ppb Au in HMC. Till sample; 0 Au grain, 61 ppb Au in HMC.
- Bedrock sample; Au result.
- <2 ppb

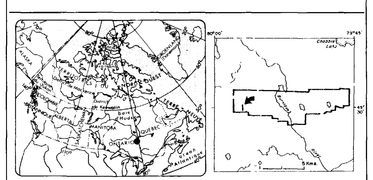
DIAMOND DRILL HOLE:

ppb Au
- <5
- 5 - 49
- 50 - 99
- 100 - 199
- 200 - 499
- ≥ 500

Chimitec analyses

GROUND GEOPHYSICS PROFILES:

- Magnetics.
- VLF-EM in-phase.
- VLF-EM quadrature.



COGEMA Canada Ltee/Ltd.

Scale 1:500

Meters 0 10 20 30 40 50 60
Feet 0 50 100 150 200

BURNTBUSH RIVER PROJECT

L.5900W
DIAMOND DRILL HOLE
BUR-12
CROSS-SECTION

Interpretation by: J. Laarc, R. St-Jean	Date: Oct. 88
Drafted by: M. Lysaght, R.A.	Oct. 88
Base map:	
Revise by:	

Report no. 88-CND-47-03
Annex no.
MAP NO. 10

L E G E N D

OVERBURDEN UNITS:

- Organics
- Cochrane till
- Ojibway II glaciolacustrine clay and sand
- Matheson till

DIAMOND DRILL HOLE GEOLOGICAL SYMBOLS:

- Overburden / bedrock contact
- Contact; observed, extrapolated (using S_1 to core axis)
- Shearing
- Boundary sheared, unsheared (using S_2 to core axis)
- Recovery, RQD only plotted when necessary SF (py= pyrite, po= pyrrhotite) >1%, ≤1%

SAMPLING:

Reverse circulation:

- Till sample; 1 Au grain, 140 ppb Au in HMC
- Till sample; 0 Au grain, 61 ppb Au in HMC
- Overburden / bedrock contact
- Bedrock sample; Au result

<2 ppb

Diamond drill hole:

ppb Au: <5; 5 - 49; 50 - 99; 100 - 199; 200 - 499; ≥500

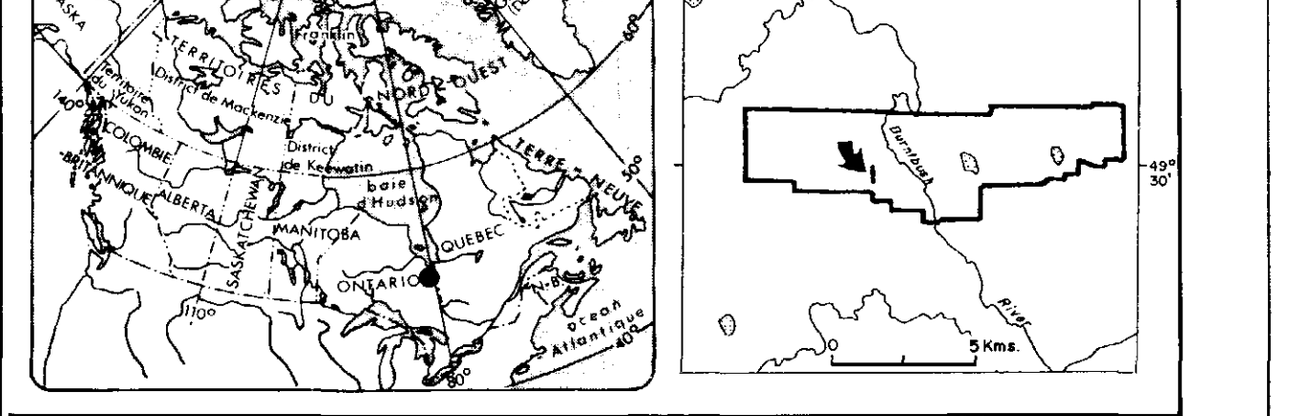
g/t Au: trace; 0.2; 0.3

Chimitec analyses: (detection limit 2ppb or 5ppb depending on method)

Mine Yvan Vezina analyses: (detection limit 0.2g/t.)

GROUND GEOPHYSICS PROFILES:

- Interpreted IP anomaly
- Magnetics (total field)
- VLF-EM in - phase
- VLF-EM quadrature



COGEMA Canada Ltée/Ltd.

Scale 1: 500

BURNTBUSH RIVER PROJECT

L.2000 W (South)
DIAMOND DRILL HOLES
BUR-09, BUR-13
CROSS - SECTION

Interpretation by: J. Learn, R. St-Jean	Date
Drafted by: R. Allie	5/88
Base map:	
Revise by:	

Report no. 88-CND-47-03
Annex no.
MAP NO. 8