41I09NE0007 2.16588 DANA

WMC INTERNATIONAL LIMITED

AMERICAS DIVISION - EXPLORATION

REPORT ON THE 1995 GEOLOGICAL, AND GEOCHEMICAL EXPLORATION ON THE RIVER VALLEY PROJECT SUDBURY MINING DISTRICT, ONTARIO. (PROJECT 3011)

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By: C.R. Newman
Date: 20th March, 1996
Revised: 25th July, 1996

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1.0 INTRODUCTION

This report details the 1994/1995 exploration results on the River Valley claims conducted by WMC International Limited in the Sudbury and North Bay districts of Ontario. This work was conducted between October 11, 1994 and March 31, 1996 and consisted of geological mapping, rock, soil and till sampling and an airborne geophysical survey.

1.1 Location

The River Valley property is situated approximately 50 km east of the city of Sudbury (Fig. 1). The property incorporates Crerar (G-2903), Dana (G-2904), Henry (G-2913), Janes (G-2907), Loughrin (G-4075), Davis (G-3182), Hagar (G-4056), Scadding (G-3056), Awrey (G-4008), Gibbons (G-2905) and Street (G-4109) townships and lies across the 41 I/9 and 41 I/10 1:50,000 scale NTS sheets. The centre point of the property is at approximately $80^0$20' longitude and $46^0$35' latitude.

1.2 Access

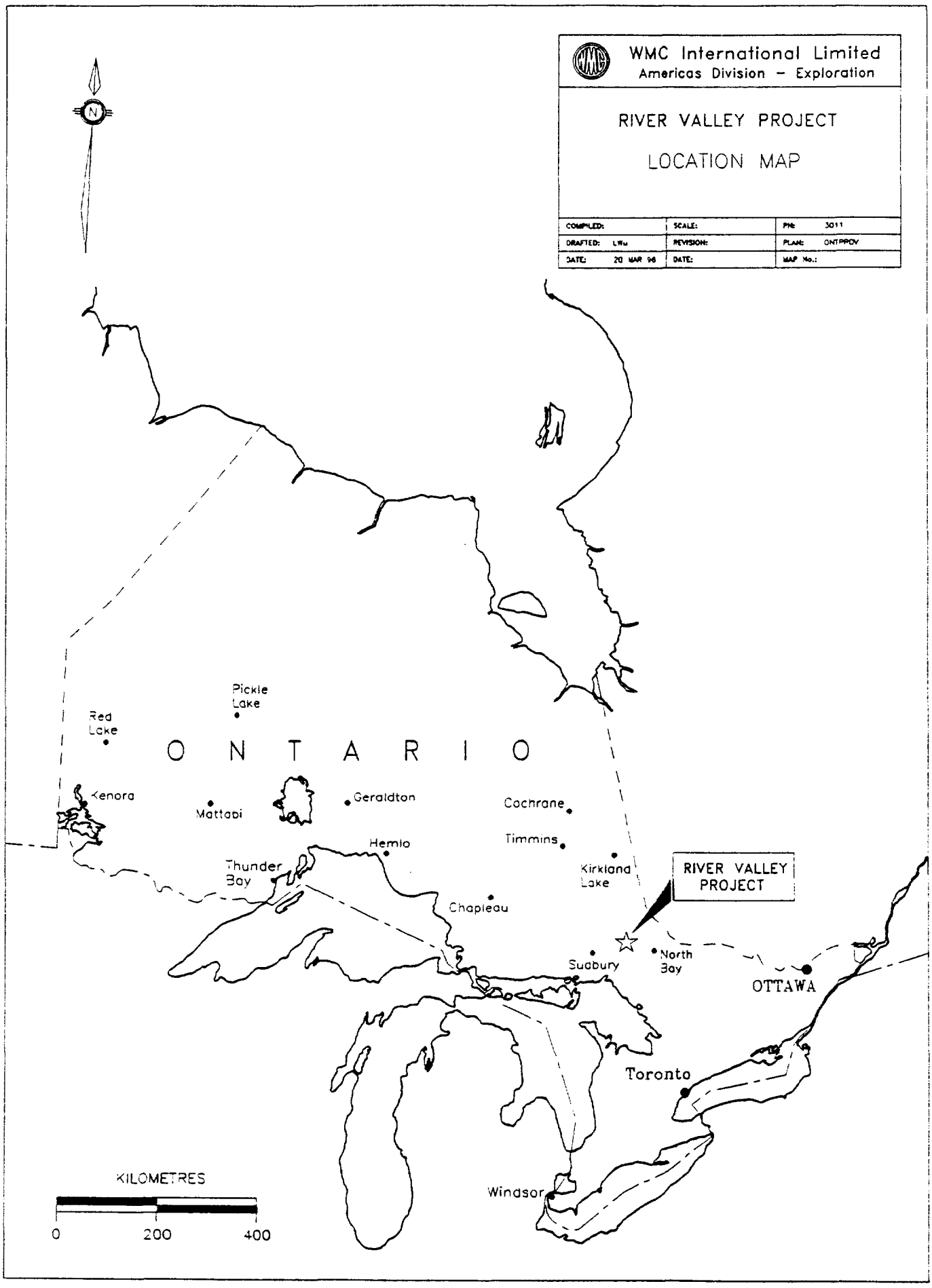
Access to the property is good. Highway 805, north of River Valley defines the eastern limit of the property. Highways 539 and 535 provide access to the southern limits of the property and link directly with the main Highway 17 (see also Fig. 2). Numerous all-weather gravel roads, including associated logging roads are well distributed throughout the property.

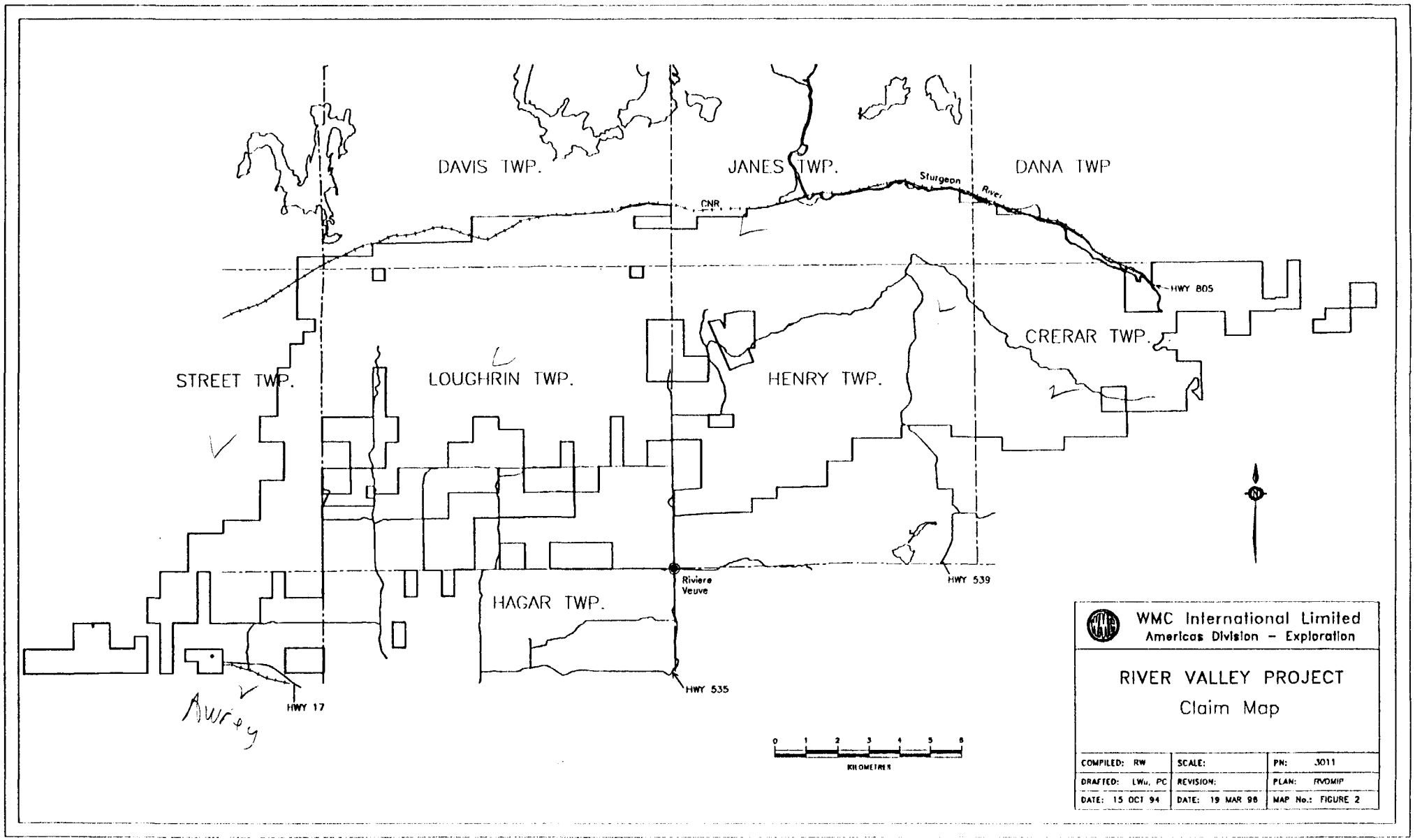
2.0 CLAIM STATUS

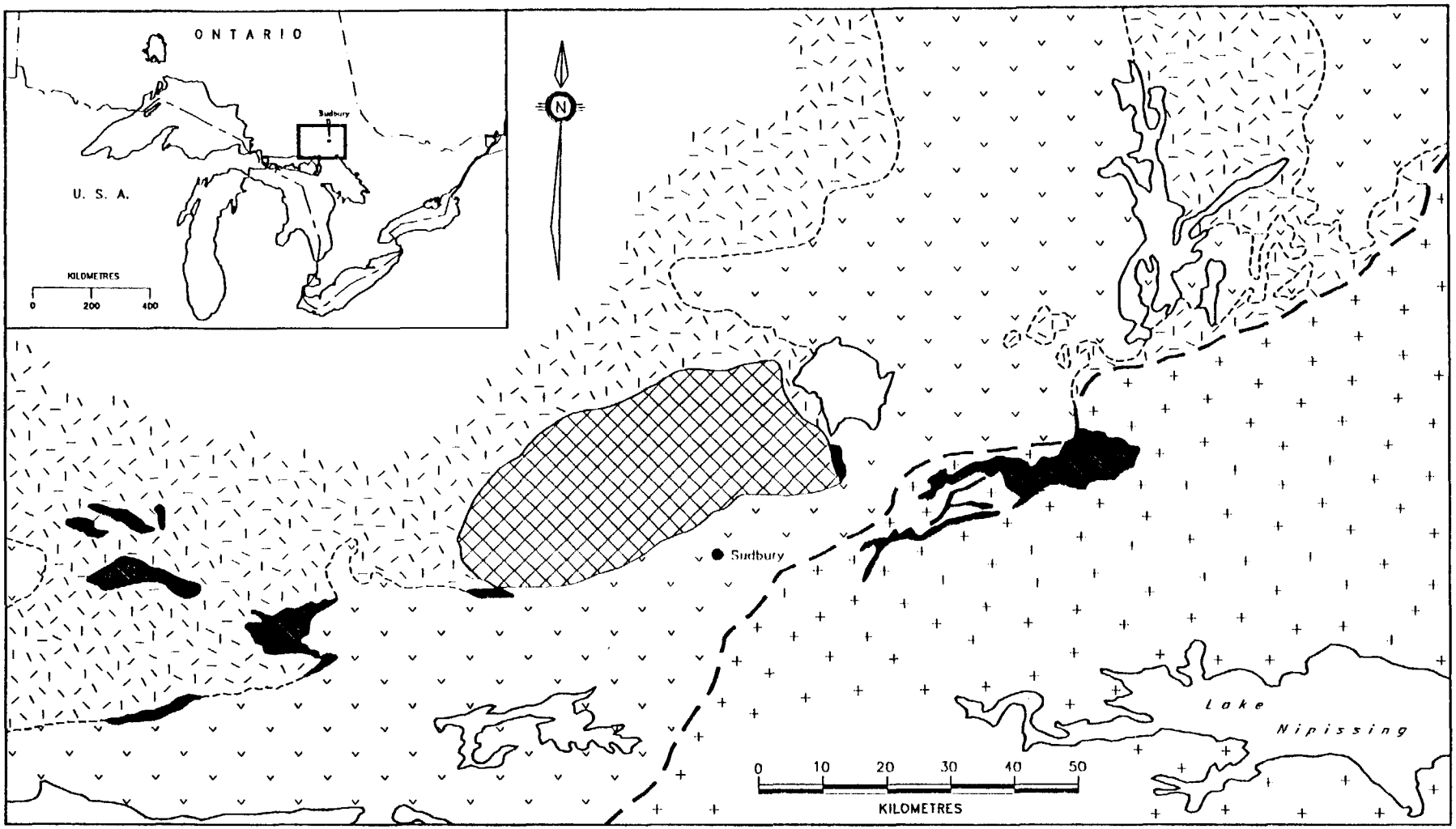
The property comprises a total of 1541 claim units (Fig. 2); 1456 claim units are contiguous in Crerar, Henry, Janes, Dana, Loughrin, Davis, Awrey, Scadding, Gibbons and Street townships. Fourteen claim units in Loughrin township, 6 in Hagar township and 38 in Awrey township are separated from that part of the contiguous claim block by patented 'veteran' lots. In addition to the above mentioned claim units, 12 claim units and 11 claim units in Crerar township have been optioned from Mr. Frank Racicot and Mr. Albert Leblanc respectively, and 4 claim units from Janes township have been optioned from Mr. John Brady. All claims are listed in Table 1.

3.0 REGIONAL GEOLOGY

The River Valley property is situated close to the juxtaposition of the Superior, Southern and Grenville Provinces in south-east Ontario (Fig. 3). The property resides in the Grenville Province where the northern margin of the property lies very close to the Grenville Front Tectonic Zone. The early Proterozoic Huronian Supergroup, which together with the proximal Sudbury Igneous Complex, constitute much of the Southern Province lithologies immediately north and west of the property.


WMC International Limited
Americas Division – Exploration
RIVER VALLEY PROJECT
LOCATION MAP
COMPILED:
SCALE:
PN: 3011
DRAFTED: LWu
REVISION:
PLAN: ONTPROV
DATE: 20 MAR 96
DATE:
MAP No.:
N
Pickle Lake
Red Lake
ONTARIO
Kenora
Mattagi
Geraldton
Cochrane
Hemlo
Timmins
Thunder Bay
Kirkland Lake
RIVER VALLEY PROJECT
Chapleau
Sudbury
North Bay
OTTAWA
Toronto
Windsor
KILOMETRES
0
200
400


DAVIS TWP.
JANES TWP.
DANA TWP
Sturgeon River
CNR.
HWY 805
CRERAR TWP.
STREET TWP.
LOUGHRIN TWP.
HENRY TWP.
HAGAR TWP.
Riviere Veuve
HWY 539
HWY 535
HWY 17
Awrey
0 1 2 3 4 5 6
KILOMETRES
N
WMC International Limited
Americas Division - Exploration
RIVER VALLEY PROJECT
Claim Map
COMPILED: RW
SCALE:
PN: 3011
DRAFTED: LWu, PC
REVISION:
PLAN: RVDMIP
DATE: 15 OCT 94
DATE: 19 MAR 98
MAP No.: FIGURE 2



LEGEND

- MATACHEWAN GABBRO–ANORTHOSITE INTRUSIVES
- SUDBURY IGNEOUS COMPLEX
- GRENVILLE PROVINCE
- SOUTHERN PROVINCE
- SUPERIOR PROVINCE
- GRENVILLE FRONT TECTONIC ZONE
- Project Area

FIGURE 3

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

Geologic Map of the Sudbury Area

COMPILED: RW	SCALE:	PN: 3011
DRAFTED: LWu	REVISION:	PLAN: SUDBURY2
DATE: 08 FEB 95	DATE:	MAP No.:

Table 1

RIVER VALLEY PROPERTY
CLAIM LIST

CLAIM NO.	*UNITS*	*HECTARES*	*TOWNSHIP*
WMC International claims:			
1118703	4	64	AWREY
1118704	12	192	AWREY
1118705	2	32	AWREY
1118706	1	16	AWREY
1118707	4	64	AWREY
1118708	6	96	AWREY
1118709	6	96	AWREY
1118711	2	32	HAGAR
1118712	2	32	HAGAR
1118713	2	32	HAGAR
1118751	4	64	AWREY
1118752	16	256	AWREY
1118753	6	96	AWREY
1118754	1	16	AWREY
1118755	2	32	LOUGHRIN
1118756	16	256	STREET
1118757	16	256	STREET
1118758	9	144	STREET
1118759	15	240	STREET
1118760	3	48	STREET
1118761	4	64	STREET
1118762	6	96	STREET
1118763	1	16	STREET
1118764	16	256	AWREY
1118765	2	32	AWREY
1197901	16	256	HENRY
1197902	8	128	HENRY
1197903	16	256	HENRY
1197904	16	256	HENRY
1197905	16	256	HENRY
1197906	16	256	HENRY
1197907	8	128	HENRY
1197908	8	128	HENRY
1197909	16	256	HENRY
1197910	16	256	HENRY
1197911	16	256	HENRY
1197912	16	256	HENRY
1197913	3	48	HENRY
1197914	15	240	HENRY
1197915	5	80	HENRY
1197916	16	256	HENRY
1197917	16	256	HENRY
1197918	16	256	HENRY
1197919	16	256	HENRY
1197920	8	128	HENRY
1197921	4	64	HENRY

Table 1

RIVER VALLEY PROPERTY
CLAIM LIST

CLAIM NO.	*UNITS*	*HECTARES*	*TOWNSHIP*
1197922	4	64	HENRY
1197923	8	128	HENRY
1197924	16	256	HENRY
1197925	16	256	HENRY
1197926	5	80	HENRY
1197927	6	96	HENRY
1197928	2	32	HENRY
1197929	6	96	HENRY
1197930	4	64	HENRY
1197931	16	256	HENRY
1197932	6	96	HENRY
1197933	8	128	HENRY
1197934	4	64	HENRY
1197935	9	144	HENRY
1197936	1	16	HENRY
1197937	12	192	DAVIS
1197938	2	32	JANES
1197939	4	64	JANES
1197940	8	128	JANES
1197941	8	128	JANES
1197942	4	64	JANES
1197943	6	96	JANES
1197944	16	256	JANES
1197945	8	128	JANES
1197946	2	32	JANES
1197947	2	32	DANA
1197948	8	128	DANA
1197949	16	256	DANA
1197950	8	128	DANA
1197951	8	128	DAVIS
1197952	9	144	LOUGHRIN
1197953	1	16	LOUGHRIN
1197954	6	96	LOUGHRIN
1197955	4	64	LOUGHRIN
1197956	8	128	LOUGHRIN
1197957	2	32	LOUGHRIN
1197958	8	128	LOUGHRIN
1197959	4	64	LOUGHRIN
1197960	16	256	LOUGHRIN
1197961	1	16	LOUGHRIN
1197962	4	64	LOUGHRIN
1197963	2	32	LOUGHRIN
1197964	3	48	LOUGHRIN
1197965	4	64	LOUGHRIN
1197966	8	128	LOUGHRIN
1197967	8	128	LOUGHRIN
1197968	8	128	LOUGHRIN
1197969	4	64	LOUGHRIN

Table 1

RIVER VALLEY PROPERTY
CLAIM LIST

CLAIM NO.	*UNITS*	*HECTARES*	*TOWNSHIP*
1197970	12	192	LOUGHRIN
1197971	2	32	LOUGHRIN
1197972	12	192	LOUGHRIN
1197973	2	32	LOUGHRIN
1197974	4	64	LOUGHRIN
1197975	16	256	LOUGHRIN
1197976	2	32	LOUGHRIN
1197977	8	128	LOUGHRIN
1197978	4	64	LOUGHRIN
1197979	16	256	LOUGHRIN
1197980	16	256	LOUGHRIN
1197981	16	256	LOUGHRIN
1197982	16	256	LOUGHRIN
1197983	16	256	LOUGHRIN
1197984	16	256	LOUGHRIN
1197985	16	256	LOUGHRIN
1197986	16	256	LOUGHRIN
1197987	16	256	LOUGHRIN
1197988	8	128	LOUGHRIN
1197989	4	64	LOUGHRIN
1197990	8	128	LOUGHRIN
1197991	16	256	LOUGHRIN
1197992	12	192	LOUGHRIN
1197993	3	48	LOUGHRIN
1197994	8	128	CRERAR
1197995	16	256	CRERAR
1197996	16	256	CRERAR
1197997	7	112	CRERAR
1197998	2	32	CRERAR
1197999	4	64	CRERAR
1198000	8	128	CRERAR
1198001	8	128	CRERAR
1198002	8	128	CRERAR
1198003	8	128	CRERAR
1198004	8	128	CRERAR
1198005	2	32	CRERAR
1198006	2	32	CRERAR
1198007	11	176	CRERAR
1198008	8	128	CRERAR
1198009	2	32	CRERAR
1198010	4	64	CRERAR
1198011	8	128	CRERAR
1198012	8	128	CRERAR
1198013	4	64	CRERAR
1198014	6	96	CRERAR
1198015	15	240	CRERAR
1198016	9	144	CRERAR
1198017	4	64	CRERAR

Table 1

RIVER VALLEY PROPERTY
CLAIM LIST

CLAIM NO.	*UNITS*	*HECTARES*	*TOWNSHIP*
1198018	4	64	JANES
1198019	14	224	JANES
1198020	16	256	JANES
1198021	8	128	JANES
1198022	8	128	JANES
1198023	7	112	JANES
1198024	9	144	JANES
1198025	1	16	JANES
1198026	3	48	DAVIS
1198027	2	32	DAVIS
1198028	9	144	DAVIS
1198029	16	256	DAVIS
1198030	16	256	DAVIS
1198031	16	256	DAVIS
1198032	4	64	LOUGHRIN
1198033	16	256	LOUGHRIN
1198034	16	256	LOUGHRIN
1198035	8	128	LOUGHRIN
1198036	1	16	LOUGHRIN
1198037	12	192	LOUGHRIN
1198038	16	256	LOUGHRIN
1198040	12	192	LOUGHRIN
1198041	5	80	LOUGHRIN
1198042	1	16	STREET
1198043	8	128	LOUGHRIN
1198044	16	256	LOUGHRIN
1198045	6	96	STREET
1198050	4	64	SCADDING
1198051	4	64	DAVIS
1198052	4	64	LOUGHRIN
1198053	6	96	STREET
1198054	4	64	LOUGHRIN
1198182	2	32	CRERAR
1198183	2	32	CRERAR
1198185	2	32	CRERAR
1198186	3	48	CRERAR
1198187	4	64	CRERAR
1198188	3	48	CRERAR
1198189	3	48	GIBBONS
1198190	2	32	GIBBONS
1198194	16	256	CRERAR
1198195	15	240	CRERAR
1198196	4	64	GIBBONS
1198197	4	64	GIBBONS
1198198	1	16	GIBBONS
187 claims	1514		

Table 1

RIVER VALLEY PROPERTY
CLAIM LIST

CLAIM NO.	*UNITS*	*HECTARES*	*TOWNSHIP*
Claims optioned from A. Leblanc:			
1076224	1	16	CRERAR
1076225	1	16	CRERAR
1076226	1	16	CRERAR
1076227	1	16	CRERAR
1076228	1	16	CRERAR
1076229	1	16	CRERAR
1117573	1	16	CRERAR
1197507	4	64	CRERAR
8 claims	11	176	
Claim optioned from F. Racicot:			
1197500	12	192	CRERAR
1 claim	12	192	
Claim optioned from J. Brady:			
1179496	4	64	JANES
1 claim	4	64	

4.0 LOCAL GEOLOGY

The River Valley property is underlain by the River Valley Gabbro-Anorthosite Pluton and high grade metasedimentary gneisses of the Grenville Province (Fig. 3). Recent unpublished age dating of the intrusive at 2.47 Ga confirms its association with the East Bull Lake Group.

The River Valley Gabbro-Anorthosite comprises mostly leuconorite and leucogabbro with lesser anorthosite, mafic and rare ultramafic lithologies (Ashwal and Wooden, 1989). Regional scale geophysical datasets show the River Valley body to be associated with a large positive gravity anomaly suggesting an associated denser mafic phase buried at depth.

Minor Cu-Ni mineralisation occurs in the southeast portion of the pluton (Leblanc showing).

5.0 TARGET AND RATIONALE

The deposit type being explored for is marginal type Ni-Cu-PGE mineralisation associated with mafic intrusions.

Given the River Valley Pluton represents the largest and most geophysically responsive member of a suite of Ni-Cu-PGE mineralised intrusives, and the fact that this intrusive is both the least studied and the least explored, WMC International would argue a detailed and systematic exploration program is warranted.

6.0 PREVIOUS WORK

Much of the River Valley intrusive has not been explored for Ni-Cu-PGE mineralisation. The only area which has been explored for such mineralisation lies in the southeast corner of the intrusive in Crerar township. It is in this area where several Ni-Cu-PGE showings are exposed.

Previous exploration work includes:

(a) 1956: G.C. Ferguson
Two diamond drill holes for 107 ft. intersected 2.0 ft @ 1.3 % Cu and 2.0 ft @ 0.46%Cu.

(b) 1963: Tomrose Mines Ltd.
Conducted surface mapping, trenching and drilled 9 diamond holes for 2701 ft - no assays. Surface samples yielded grades up to 25% Cu and 0.3% Ni. This work was carried out on 8 claim units.

(c) 1964: Tomrose Mines Ltd.

4 diamond drill holes for 1707 ft - no assays. Property optioned to Falconbridge who undertook mapping and ground magnetic and electromagnetic surveys over approximately 50 claim units.

(d) 1965:

(i) Falconbridge - despite the geophysical recommendation that no worthwhile drilling targets were evident, Falconbridge drilled 6 drill holes for 1086' (no significant assays). Falconbridge subsequently dropped the option.

(ii) Tomrose Mines Ltd. drilled two holes for 374'. No assays

(e) 1966:

(i) Azen Mines Limited staked 10 claim units west of the Falconbridge - Tomrose ground. Azen conducted ground magnetic survey only. No drilling.

(ii) Tomrose Mines - Drilled 1 diamond drill hole for 442' (no assays).

(f) 1990: Three diamond drill holes drilled for 1324' by Albert Leblanc. No significant results.

In addition to the work described above, Albert Leblanc drilled 3 diamond drill holes for 344' on two units in the northwest corner of Henry township. These drill holes were drilled between 1983 and 1986. No assay results are available.

7.0 WORK PROGRAM COMPLETED BY WMC INTERNATIONAL LIMITED

An integrated program of geophysics, geochemistry and geological mapping was carried out over the claims held by WMC International Limited during the 1995 season.

7.1 Geophysical Survey

A detailed DIGHEM^V airborne magnetic and electromagnetic geophysical survey was flown over the River Valley Property from February 2 to February 12, 1995 to identify areas of shallow bedrock conductors and assist with geological mapping. A full report from Dighem (Garrie,1995) was supplied and was previously submitted separately for assessment. R. Tykajlo supervised the project for WMC International Limited.

The survey was accomplished using a DIGHEM^V multi-coil, multi-frequency electromagnetic system, supplemented by a high sensitivity Cesium magnetometer and a four-channel VLF receiver. Survey coverage consisted of a total of 1881 line-km, including tie lines. Flight lines were flown in an azimuthal direction of $180^0/0^0$ with a line separation of 200 metres. Four tie lines were flown in an azimuthal direction of $83^0/263^0$, and eight tie lines were flown in an azimuthal direction of $75^0/255^0$ with a line separation of 500 metres.

7.2 Geochemical Survey

As part of the regional nickel exploration program in the River Valley area, a limited orientation soil and till sampling program was conducted on the western edge of the claim group and followed-up by a significantly larger regional soil and till sampling program that covered essentially the entire claim group.

7.2.1 Quaternary Geology

An overview of the regional Quaternary geology in the River Valley area is presented on maps by Boissonneau (1965), Gartner (1978), Sado and Carswell (1987) and Barnett et al (1991). In summary, the western and northern halves of the property are characterized by a relatively thin veneer of till over intermittent bedrock knobs. The southern half and the north-central portion of the property are dominated by glaciofluvial outwash sands and gravels of variable thicknesses. Locally, glaciolacustrine clays and Holocene organic peat dominate. Valley train glaciofluvial sands and gravels are spatially associated with the Sturgeon River. The following observations were compiled by WMC staff during the Quaternary mapping and sampling program.

A typical soil/till profile consists of a thin (5-10 cm), organic-rich A horizon overlying a thin (3-5 cm), grey leached horizon. Beneath the leached zone is a relatively well-developed 15 cm thick orange-brown B horizon soil. Below the soil horizon is a well-oxidized orange-brown till varying in thickness between 30-60 cm. At depth, generally between 70-90 cm , an unoxidized, compact, olive-grey sandy till containing an average of 30% clasts is encountered. Clasts are dominated by Huronian sediments, and to a lesser extent granite, gabbro/meta-gabbro, diabase and minor greenstone. Pyroxenite and peridotite clasts are locally common and probably reflect the more mafic differentiated phases of the River Valley Pluton.

The general ice direction is towards the south with grooves and striation measurements varying between 170-190 degrees (Map 2). Quantitative ice flow indicators measured in the field include stoss and lee topography and crag and tail features. Although only measured in two places, evidence of an older ice direction from NE to SW (220 degrees) was preserved in the "shadowed" portion of two outcrops (Map 2). Evidence of an older till unit was not encountered presumably because of poor preservation of the inferred unit and limited depth penetration of the till pits.

7.2.2 Surficial Soil/Till Sampling Program

An orientation till sampling program was conducted in the vicinity of a several small nickel showings near the western edge of the claim group in November of 1994. The program consisted of 4 till samples (CS101601, 604, 610 and 613) and 4 soil samples (CS101603, 606, 612 and 615) designed to study the dispersal train up to 600 m down-ice from the mineralized outcrop and

to study the local Quaternary and bedrock geology. Analytical results for the <80 mesh soils, <250 mesh tills, HMCs (heavy mineral concentrates) tills, pebble counts, Au-PGE (gold-platinum group elements) grain descriptions and binocular observations of the Metamorphosed Magmatic Massive Sulphides (MMMS) are presented in Appendices III - VII.

A larger regional soil and till sampling program was subsequently designed and consisted of collecting soil and till samples every 1 km along all accessible roads. In areas where no roads existed, samples were collected approximately 2 km apart and were accessed by pace and compass or canoes. A sampling bias was incorporated along the Archean/Proterozoic contact, mineralized showings and previously identified magnetic anomalies. Sample locations were identified by GPS.

At each sample location, a 10 kg till and a 500 g Kraft B soil sample were collected by shovel from hand-dug pits. Ideally, samples were collected from the unoxidized zone, however, due to locally thick oxidized horizons, some samples collected were oxidized to varying degrees. The overall quality of the soil and till collected was good. An auger was also used in areas of sand cover to probe the thickness of overlying glaciofluvial sand. A total of 99 soil (CS104101-CS104199) and 99 till samples (CS204101 to CS204199) were collected in June and July, 1995.

The soil samples were sieved to <80 mesh (<177 microns) and analyzed for multi-element geochemistry by ICP-AES (Induced Coupled Plasma-Atomic Emission Spectroscopy) utilizing a multi-acid digestion. Sample preparation and analysis were performed by Bondar-Clegg in Ottawa, Ontario. Descriptions of the sample preparation methods, analytical techniques and results for the <80 mesh soil geochemistry are located in Appendix IV.

The <250 mesh (<63 microns) fraction of each the till samples was analyzed for multi-element geochemistry by ICP-AES (multi-acid digestion). Sample preparation and analysis were performed by Bondar-Clegg in Ottawa, Ontario. Descriptions of the sample preparation methods, analytical techniques and results for the <250 mesh till geochemistry are in Appendix V.

Till samples weighing approximately 10 kg till were processed by Overburden Drilling Management (ODM) of Nepean, Ontario, using their standard tabling methods to produce a heavy mineral concentrate (HMC). The gold grain and PGE content of the HMCs were subsequently determined and reported by ODM as were their observations regarding Metamorphic Massive Sulphide Minerals (Appendix VII). Approximately 5-30 g samples of the HMCs were subsequently analyzed for Au-PGE by FA/DCP (Fire Assay/Direct Coupled Plasma) and multi-element geochemistry by ICP-AES (multi-acid digestion) . Sample preparation and analysis were performed by Bondar-Clegg in Ottawa, Ontario. Descriptions of the sample preparation methods, analytical techniques and results for the HMC till geochemistry are located in Appendix VI.

Sample locations for the soil/till sampling program are located on Map 2.

7.2.3 Interpretation of Results

Orientation soil results for Ni and Cu (Maps 6 and 7) ranged from 34-47 ppm and 4-51 ppm, respectively, while Ni-Cu results for the <250 mesh tills (Figures 10 and 11) ranged from 37-119 ppm and 26-86 ppm, respectively. HMC Ni-Cu results (Figures 8 and 9) reported 52-200 ppm and 6-10 ppm, respectively. All analytical results reported from the orientation survey were disappointingly low suggesting the till was highly oxidized or reflected the weak nature of the Ni-Cu mineralization associated with the outcrop.

Analytical results for Ni-Cu reported from regional samples of <80 mesh soils, <250 mesh tills and the HMC tills were not anomalous as a result of a lack of Ni-Cu bedrock mineralization. Maximum and minimum values for Ni and Cu for each media sampled are presented below in the following table.

SUMMARY	Ni (min)	Ni (max)	Cu (min)	Cu (max)
<80 mesh SOIL	25 ppm	111 ppm	3 ppm	77 ppm
<250 mesh TILL	29 ppm	149 ppm	17 ppm	179 ppm
HMC TILL	25 ppm	169 ppm	6 ppm	84 ppm

n = 99

Variance associated with the Ni-Cu analytical results are probably the result of lithologic variances and not a result of Ni-Cu sulphide mineralization associated with a bedrock source. Statistical anomalies were, however, generated and Ni-Cu results for the <80 mesh soils, <250 mesh tills and the HMC tills are presented on Maps 5 to 10.

7.2.4 Recommendations

Based on a complete absence of anomalous Ni and Cu in soil and till inferred to be related to the absence of Ni-Cu sulphide mineralization in bedrock, no additional till sampling is recommended for the property at this time.

7.3 Geological Reconnaissance Mapping and Sampling

27 days of fieldwork was carried out by C. Newman and R. Williams from May 25 till August 10, 1995. An additional 11 days of fieldwork by R.Williams and 9 days of fieldwork by I.Lawyer was carried out in September and November,1994 and April,1995. Daily travel to the claim block was by road from a lodge 5 km west of the town of River Valley. Work consisted of regional traverses across the pluton to gain a better understanding of the geology and structure of the pluton and surface inspections of geophysical anomalies and known showings. A total of 122 rock samples were collected and submitted for assaying. Sample locations and mapped locations were plotted daily onto 1:50000 topographic base maps and are presented on Map 3 and Map 4.

An updated geological interpretation is shown on Map 5 (after Lumbers, 1973). Also, a total of 6 thin sections and 21 polished thin sections were made. A complete listing of rock sample locations and descriptions and a listing of thin sections is appended in Appendix VIII while assays are appended in Appendix IX.

The main aims of the geological reconnaissance were to:

a) field check Lumbers (1973) mapping;
b) determine the overall shape of the pluton, in particular the nature of the northern and southern contacts, thereby identifying potential embayments which would host any mineralization; and
c) field inspect seven identified geophysical anomalies and two geochemical anomalies.

7.3.1 Rock Units

Regional traversing of the River Valley Pluton showed that the mapping carried out by Lumbers (1973) was of high quality. Mapping was carried out using the WMC geological legend. Rock types were simplified by being divided into ten separate geological units based on the WMC legend. These units are:

UNIT	ROCK TYPE
GN	Metasedimentary Gneiss
PL	Anorthosite
PL-p-px	Gabbroic-Anorthosite
l-Mgb	Leucogabbro, Anorthositic Gabbro
Mgb	Gabbro
Mgn	Gabbronorite
Mn	Norite
Upx	Pyroxenite
Uhz	Harzburgite
Md	Late Mafic Dykes

In addition, the prefix gn- was used to indicate a gneissic fabric.

GN

During the course of the summer mapping and traversing, WMC geologists were able to confidently distinguish between gneissic high grade metasediments and gneissic intrusive. Along the southern part of the intrusive, much of both the intrusive and country rock have suffered little deformation. In most cases it appears that only recrystalisation has taken place. The paragneiss is a recrystallised layered sediment. The sediments are orthoquartzite, quartz-feldsphathic

sandstone, greywacke and arkose with minor interlayered mudstone. Bedding is generally on a 1cm to 20cm scale. One measurement of graded bedding in greywacke suggested overturned stratigraphy.

In areas north of the southern contact, distinguishing the two rock types (metasediments and the intrusive) becomes more difficult. However, in the case of the strongly foliated intrusive, the mafic and felsic components segregate themselves into alternating black/dark green and white layers commonly in the order of a few mm across. The critical observation here is that the individual dark and light layers are discontinous and cannot be traced over continuous lengths as one may expect in a foliated sediment. One other useful criteria was the observation that in several cases the strongly foliated intrusive appears to have been subsequently folded giving rise to often spectacular tightly folded discontinuous dark and light coloured layers. Strongly foliated paragneiss is evident by the commonly continuous gneissic lithologies along the length of the outcrop. In these situations there are clear lithological contrasts representing individual sedimentary layers. Such continuous and different lithological layers were not observed in the foliated intrusive. In all cases, except for some areas of local partial melts, foliation within the paragneiss was parallel with sedimentary layering. The orientation of the fabric in the paragneiss is variable, but an overall east-west trend, dipping south at 45 to 80 degrees parallel to the intrusive contact is generally observed.

PL

Anorthosite was interpreted on the basis of <5% mafic component. The anorthosite is typically composed of coarse to fine grained plagioclase with minor (<5%) interstitual ex-clinopyroxene (now amphibole). Small zones of black anorthosite are observed carrying up to 5% ilmenomagnetite. The anorthosite is most abundant in the thickest part of the intrusive on the eastern half of the property. It is observed to vary from massive to gneissic in texture. The anorthosite with the gabbroic anorthosite appears late in the intusive history of the pluton, due to its rough circular form and location in the core of the thickest zone of the intrusive.

PL-p-px

Gabbroic anorthosite contains between 5% and 15% mafics. It is composed of medium to coarse grained plagioclase with interstitial ex-clinopyroxene. The texture varies from massive to gneissic.

l-Mgb.

Leucogabbro, or anorthositic gabbro is defined as having between 15 and 40% mafic component. This rock is composed of cumulate medium grained plagioclase with intercumulate ex-clinopyroxene. This unit is massive to gneissic, but is generally foliated where observed. Gneissic varieties of the intrusive generally consist of plagioclase with minor quartz bands and amphibole-garnet-biotite-epidote bands. This leucogabbro unit is the most dominant unit within the entire River Valley Pluton. It appears to be cut by both the anorthosite and the more mafic

units of the intrusive. It is clear that many of the leucogabbros are of different age. Unfoliated magnetite-bearing leucogabbro is observed to cut strongly foliated, non-magnetic leucogabbro.

Mgb.

Mafic gabbro is defined as having >40% mafic component, with less than 10% of the mafic component being cumulate. The gabbro generally consists of cumulate plagioclase with rare cumulate ex-orthopyroxene (amphibole) in an ex-clinopyroxene and rare magnetite matrix. Medium-grained to gneissic textures were observed. Many outcrops mapped as gneissic gabbro, may in fact be gneissic gabbronorite to norite, but is impossible to determine due to textural destruction. The gabbros are generally confined to the margins of the intrusive.

Mgn and Mn.

Many of the rocks mapped in the field as gabbronorite may in fact be norite. Gabbronorite was mapped when good cumulate mafic mineral textures were observed. The rock consists of >40% mafic cumulates with subhedral plagioclase and minor interstitial magnetite. From thin sections, much of the cumulate mafic material is preserved hypersthene, although significantly altered to hornblende. The rock varies from medium-grained to weakly foliated. Norite (Mn) was mapped when cumulate orthopyroxene could be identified. The gabbronorite is volumetrically small, but of greatest significance for Ni-Cu mineralization. It occurs as thin (<200m) units that form along the contacts of the intrusive or as small pods within the intrusion. It appears less deformed than the leucogabbro and gabbro, and appears to intrude the complex along its margin. This contact appears to dip 45 degrees to the south. Minor blebby sulphide (pyrrhotite with chalcopyrite tops) is observed within the norite. Pentlandite was observed in thin section as free grains and as grains between the pyrrhotite and chalcopyrite blebs. This mineralization was only observed over several metre-scale outcrops. CR101519 recorded the best assay results from the Leblanc showing (0.14%Ni, 0.25%Cu, 0.13g/tPd, and 0.06g/tPt).

Uhz.

One set of ENE trending harzburgite dykes was observed. These dykes appear undeformed and intrude parallel to the regional deformation and the interpreted position of the Murray Fault System. These dykes have an MgO content of 30-35%, and are composed of amphibole-chlorite-biotite after pyroxene. Coarse-grained (up to 10cm) diamond-shaped bronzite crystals are occasionally observed within this ultramafic unit. The dykes appear to be relatively continuous and can be over 100m wide.

Upx.

Two types of pyroxenitic dykes were observed. The first is a highly magnetic E-W to NW-SE pyroxenitic dyke suite (18% MgO). These dykes are composed of fine-grained chlorite-actinolite-magnetite, and are undeformed where observed. Minor disseminated chalcopyrite mineralization is observed within the dykes. Contacts with adjacent rocks appear more chloritic and finer-

grained (?), suggesting thin (<10cm) chill margins. These dykes appear to be less than 10m thick where observed. The second type of ultramafic dyke consists of irregular to poddy melanogabbronorite to pyroxenite suite (15% MgO). This last suite contains disseminated chalcopyrite, pyrrhotite and pentlandite. The pyroxenite has consistantly high PGE values with the best recorded in CR101585 (0.26g/tPt and 0.29g/tPd), confirming the high PGE potential of this intrusive. The pyroxenite is now composed of amphibole-chlorite-biotite-plagioclase. It generally cuts norite, gabbronorite and anorthosite as small poddy and irregular intrusions. Complex zones of crosscutting relationships between these four rock types are observed on the Leblanc property suggesting similar timing of these four units with minor magma mixing.

Md.

Late mafic crosscutting dykes were observed. These dykes are unaltered and unmetamorphosed. They are magnetite rich and may be McKenzie Age.

7.3.2 Discussion

It was critical to determine the nature of the pluton in order to identify areas for potential Ni-Cu mineralization. Several north-south traverses were undertaken on the northern contact of the intrusive to determine if it was an erosional, faulted or conformable contact. The traverses clearly showed that the rocks along the northern contact are strongly gneissic, with no obvious fractionated top to the intrusive. The intensity of strain also increases to the north. In the NW segment of the pluton, one 'arm' of the pluton shows strongly foliated northern and southern margins, with a less deformed centre, suggesting tectonic emplacement of the arm. While there is some (local) effect of the Grenville Front Tectonic Zone, it is very difficult at this time to determine whether the northern contact was either an erosional surface or a conformable roof contact prior to the late Grenvillian event, but given the erosional nature of the roof of similar mafic intrusions, it is probably likely the upper contact is erosional as well. In any event, the northern contact is interpreted to be unprospective for Ni-Cu mineralization.

The southern contact of the intrusive appears relatively undeformed. Good cumulate textures were observed in the gabbronorites (Mgn), and good sedimentary textures were observed, including graded bedding in the metasedimentary gneisses. Where observed, the southern contact dips at 50 to 80 degrees to the south. If the northern contact is the erosional upper contact of the intrusive, then the southern contact is the overturned base of the intrusive. This is supported by the predominance of more mafic lithologies along the southern contact. The presence of more mafic lithologies, less deformation, known Ni-Cu mineralization and the belief that this contact is the overturned base suggests that this contact is the best location to find potential Ni-Cu mineralization.

7.3.3 Field Check of Geophysical Anomalies

Seven geophysical anomalies were identified from the regional airborne survey. These anomalies were prioritized and field checked. The anomalies (shown on Map 12) are:

A. Coincident mag-EM anomalies in the western margin of property.

Two 500m-long coincident magnetic and weak EM anomalies occur on the western margin of the property. Ground-truthing of this area identified a very strong magnetic zone marked by 180 degree compass reversals over the northern anomaly. The southern anomaly was located completely under low level swampy ground. The magnetic anomaly affecting the compass suggested an approximate 12m width and E-W strike. Outcrop was generally poor with only gneissic gabbro (?) present. One outcrop of paragneiss was also observed. All outcrops have low magnetic responses. Till cover is significant with thickness undetermined. No indication of conductive rock. Highest priority target, follow up required.

B. Henry Lake coincident mag-em anomaly.

A coincident magnetic-weak EM anomaly occurs over a distance of 600m at Henry Lake. One outcrop of ultramafic (Upx) was located in this approximate location. The pyroxenite is highly magnetic and contains weakly disseminated pyrrhotite and chalcopyrite. Traverses around Henry Lake yielded several float occurrences of moderately magnetic ultramafic and gabbronorite. All other outcrop was strongly gneissic. No indication of any conductive rock was observed.

Immediately to the west of Henry Lake is a peculiar diatreme-like breccia. It strikes east-west and is approximately 10m wide. It consists of angular to rounded fist-size fragments of quartzite, sandstone and rare ultramafic in a fine grained mafic groundmass. This dyke could have analogies to the inclusion-bearing offset dykes at Sudbury. The dyke's strike extension continues eastward below Henry Lake. One outcrop of 'diatreme' breccia was observed south of this known occurrence. This dyke is narrow - up to 40cm across - and as such did not contain abundant inclusions. Several sulphide blebs were identified within this intrusion. Analysis of the sulphide bleb yielded 1.6% Cu. Implications are that the sulphide blebs: 1) indicate that the matrix of the dyke is mineralized, or 2) are in fact inclusions and the breccia has ripped through a mineralized horizon. Either interpretation makes the breccia dyke and the proximal EM-mag anomalies highly encouraging.

C. Large remnantly magnetised body on Racicot's ground.

A large remnantly magnetised body is located on the claims held by Racicot. Detailed traversing over the magnetic anomaly failed to identify significant magnetite within the host rock to explain the anomaly. This may suggest the presence of a large magnetic body at depth. Its proximal location to a possible embayment in the footwall of the River Valley Pluton, the nearby presence of Ni-Cu mineralization and potential host rocks (Upx,Mgn & Mn), and the large, unexplained magnetic feature suggest follow-up ground geophysics is required.

D. Group of several mag highs in the NW-part of the property.

Four discrete circular magnetic anomalies occur in the NW part of the property in northern Loughrin township. In each of the anomalies, except one located beneath a swamp, strongly magnetic gabbro-anorthosite was identified as underlying the anomalous areas. The rock type was not significantly different in cumulus minerals and grain size from other gabbro anorthosites identified. One recognisable difference, however, was the identification of clots of intercumulus magnetite (often associated with garnet). The gabbro-anorthosite was also not foliated, making it consistent with the circular, plug-like nature of the corresponding mag anomaly. On two occasions, traverses across the contact between the magnetic gabbro-anorthosite and non magnetic gabbro-anorthosite showed that the non-magnetic gabbro-anothosite was strongly foliated and possibly older than the magnetic gabbro-anorthosite. These magnetic anomalies require no follow-up.

E. Remnantly magnetised bullseye anomaly in central River Valley.

Two significant, but small, remnantly magnetised bodies exist in the central part of the River Valley Pluton. The first lies beneath a swamp. The second anomaly is related to a late 240 degree trending, magnetite-bearing 'gabbronoritic' rock. The margins of the unit are magnetite-rich and fine grained with the core coarser-grained and more leucocratic. It is still uncertain why the 240 degree trending gabbronorite is giving a circular magnetic anomaly. No follow-up is required.

F. Large elliptical magnetic feature in gneisses in central River Valley.

A large elliptical magnetic feature exists in the location of interpreted gneisses in the central part of the River Valley Pluton. Traversing across this area yielded little outcrop except for some magnetic metasedimentary gneiss. It is interpreted that the non-magnetic River Valley Pluton wraps around stongly magnetic metasediments causing the observed anomaly. No follow up is required.

G. Broad linear magnetic highs along the southern contact of the River Valley Pluton.

A broad, linear magnetic high on the southern contact of the River Valley Pluton exists in proximity to possible bedrock (?) EM conductors. Two magnetic features exist, and their form suggests possible embayment structures. Several north-south traverses were walked across these anomalies. Significant east-west striking magnetic metasedimentary gneisses were observed both to the south and to the north of the thin arm of the River Valley Pluton. A weakly magnetic harzburgite dyke also lies to the north of the intrusive. Due to insufficient outcrop, the anomaly could not be fully explained, although the proximity of magnetic gneiss suggests that this is a low priority target.

7.3.4 Field Check of Geochemical Anomalies

Two main geochemical anomalies required follow up:

H. Sulphide-boulder occurrence.

A sulphide boulder was previously found in a brook proximal to an EM conductor. The fist-size boulder comprised massive sulphide and assayed approximately 4% Ni. A visit to the creek failed to identify any additional boulders. However, the creek showed a high proportion of harzburgite and gabbronorite, disproportionate with its locality downstream from a thick sequence of gneiss. It is interpreted that the boulders have not traveled far (soft harzburgite and massive sulphide). No outcrop was observed over the weak EM conductor.

I. Anomalous olivine and orthopyroxene grains in tills.

Anomalous zones of olivine and orthopyroxene were observed in tills. The orthopyroxene in tills appeared down-ice of known harzburgite dykes. Anomalous olivine in tills taken on the eastern end of the property could not be explained by geological traversing up ice-direction. Olivine - bearing rocks may be present, but do not outcrop.

8.0 CONCLUSIONS

The River Valley Pluton has received very little intensive exploration, and as a result very little was known about the geology of the pluton. Reconnaissance traversing has significantly increased the understanding of the local geology of the pluton.

The dominant rocktype of the pluton is leucogabbro with cumulus plagioclase and intercumulus ex-clinopyroxene. Minor gabbronorite/norite and three types of ultramafic intrusions were documented throughout the pluton. Minor norite with >50% cumulate hypersthene was observed along the margins of the intrusive, especially in the area around the Leblanc showings (confirmed by thin section CR101609). Many of the rocks mapped in the field as gabbro or as gabbronorite may in fact be gabbronorite or norite respectively as shown by limited thin section work. The three types of ultramafic include a SW-NE harzburgite dyke suite (MgO 30%) that parallels the Murray Fault System, a narrow (<10m), highly magnetic E-W to NW-SE pyroxenite dyke suite (MgO 18%) and an irregular-poddy melanogabbronorite to pyroxenite suite (MgO 15%). This last suite is associated with the known Cu-Ni-PGE showings.

The southern contact of the pluton is relatively undeformed. Good cumulate textures were observed in the pluton and good sedimentary textures including graded bedding were observed in the footwall 'gneisses'. The southern contact dips south at 50-80^0 and appears to be the overturned base of the intrusive. The northern contact is probably an erosional upper surface and

is highly strained from the interpreted position of the Murray Fault System to the Grenville Front Tectonic Zone (see Map 4).

The regional airborne geophysical survey failed to detect any strong bedrock conductors (>5 siemen). Ground truthing of the weak EM anomalies failed to locate the source of the anomalies. Several magnetic anomalies were observed and checked. Several of the anomalies are attributed to small (<700m) circular, magnetite bearing leucogabbro plutons. These plutons are undeformed and intrude highly strained unmagnetic leucogabbro. The rest of the magnetic anomalies are still unexplained.

The results of the regional till program generally proved disappointing. No good indications of mineralisation were observed except for a few grains of chalcopyrite. Ni-sulphide and pyrite have not survived the post glacial weathering. Due to the lack of chalcopyrite grains observed in tills, the planned RC drilling program of tills beneath the thick glaciofluvial cover was abandoned.

Ni-Cu mineralisation is observed in both a pyroxenite and a norite. CR 101519 recorded the best assay results from the Leblanc showing in the southeast corner of the claim block (0.14% Ni, 0.25% Cu, 0.13g/t Pd & 0.06g/t Pt). Thin section analysis of CR101611 confirms that the nickel is not tied up in pyrrhotite, but that it occurs as coarse-grained granular pentlandite at the margins of the pyrrhotite and chalcopyrite. Several well-developed sulphide blebs were observed with a pyrrhotite base, chalcopyrite top and a thin band of pentlandite between them. The pyroxenite has consistantly high PGE values with the best recorded in CR 101585 (0.26g/t Pt & 0.29g/t Pd), confirming the high PGE potential of the intrusive.

9. RECOMMENDATIONS

The lack of significant mineralisation observed in tills and the absence of strong bedrock conductors in the regional airborne geophysical program suggests that the potential for near-surface mineralisation is remote. A ground EM survey will be carried out at a later date to test for deeper (>100m) conductors in areas of the best geological and magnetic anomalies.

10. REFERENCES

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APPENDIX I

Certificates of Qualification

Certificate of Qualification

I, Christopher Raymond Newman, of the city of Ottawa, Province of Ontario, do hereby certify that:

1. I am a geologist residing at 137 Markland Cres, Nepean, Ontario.

2. I am a graduate of Australian National University (Canberra, Australia) having received a Bachelor of Science (Honours-Geology) in 1988.

3. I have been a practising geologist since graduation in 1988.

4. I have been an employee of Western Mining Corporation Limited / WMC International Limited since 1988.

5. I performed the geological work covered by this report.

Dated at Ottawa, Ontario this day of November 30, 1995.

Christopher Raymond Newman
Senior Project Geologist

CERTIFICATE OF QUALIFICATIONS

I, Terry A. Goodwin, do hereby certify that:

1. I am a graduate of Acadia University from which I received a B. Sc. degree in Geology in 1982.

2. I am a graduate of the Nova Scotia College of Geographic Sciences (formerly the Nova Scotia Land Survey Institute) from which I received a Diploma in Remote Sensing in 1986.

3. I have been involved in mineral exploration since 1979 and I am currently employed as a Geochemist/Quaternary Geologist with WMC International Limited of Nepean, Ontario.

4. I supervised all aspects of the geochemistry and Quaternary geology relevant to this report.

5. I reside at 506 Chartrand Street in Russell, Ontario.

Signed at the city of Nepean, this 25th day of July, 1996.

_____

Terry A. Goodwin

APPENDIX II

Till and Soil Sample Locations

SOIL/TILL SAMPLE LOCATIONS

all soils prefixed by CS104***
all tills prefixed by CS204***

Sample#	utm-E	utm-N
101	549898	5161870
102	550994	5162165
103	552146	5163704
104	552755	5163543
105	554914	5160375
106	554962	5160676
107	554664	5161642
108	554942	5161374
109	556551	5159977
110	556017	5160662
111	555748	5160549
112	556280	5160351
113	556536	5160656
114	557021	5160650
115	556794	5160340
116	557319	5160367
117	557519	5160654
118	555282	5160547
119	555478	5160627
120	559934	5159095
121	558579	5160038
122	557517	5159064
123	556519	5159825
124	565513	5161278
125	566148	5161312
126	566148	5161312
127	566323	5161906
128	557997	5160491
129	557820	5159772
130	557949	5160107
131	564372	5162095
132	561154	5162194
133	547122	5162245
134	546205	5163978
135	562865	5161858
136	562916	5162792
137	562369	5162341
138	548981	5162794
139	550077	5163197
140	551899	5158515
141	540429	5163139
142	541137	5163878
143	552096	5160099
144	549286	5162320

SOIL/TILL SAMPLE LOCATIONS

all soils prefixed by CS104***
all tills prefixed by CS204***

Sample#	utm-E	utm-N
145	552079	5159564
146	541985	5164314
147	542854	5164851
148	544382	5163907
149	550022	5157702
150	541740	5162124
151	541740	5162124
152	539245	5160684
153	539964	5161480
154	540799	5161715
155	548710	5156316
156	546442	5155442
157	556165	5160179
158	550828	5158003
159	544687	5162775
160	545083	5163199
161	544110	5162459
162	534967	5155180
163	535028	5152826
164	549597	5159491
165	560352	5162651
166	541145	5153737
167	539171	5153743
168	539145	5156585
169	535025	5160014
170	534956	5155928
171	545918	5163170
172	534895	5162481
173	537357	5160208
174	541535	5161687
175	553590	5163003
176	553590	5163003
177	535405	5163097
178	534998	5161241
179	535789	5160998
180	537178	5157938
181	534882	5156555
182	547750	5155938
183	534406	5160474
184	554822	5164880
185	558662	5163029
186	532761	5149716
187	531816	5150356
188	530575	5150043
189	529651	5150908
190	531094	5152256
191	529970	5152125
192	535326	5149900
193	551522	5165645
194	550725	5165591
195	542763	5162838
196	544383	5159306
197	532341	5158137
198	532309	5158044
199	532283	5157985

APPENDIX III

Orientation Survey

Soil and Till Results
Pebble Counts
Au-PGE Descriptions
MMMS

RIVER VALLEY TILL AND SOIL SAMPLES ORIENTATION SURVEY.

SAMPLE	*TYPE*	*utm-E*	*utm-N*
CS101601	till	559218	5161594
CS101603	soil	"	"
CS101604	till	558427	5160089
CS101606	soil	"	"
CS101609	soil	558288	5159172
CS101610	till	555273	5160647
CS101612	soil	"	"
CS101613	till	559268	5158915
CS101615	soil	"	"

Bondar Clegg
Inchcape Testing Services

FEB 23 1995

Geochemical
Lab
Report

R.V. ORIENTATION
FALL 94 by RW/JIL
SOIL

WESTMINER CANADA LIMITED - EXPLORATION DIVISION
MR. TERRY GOODWIN
22 GURDWARA RD.
NEPEAN, ONTARIO
K2E 8A2

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

REPORT: 095-40055.0 (COMPLETE) REFERENCE: -

CLIENT: WESTMINER CANADA LIMITED - EXPLORATION DIVISION SUBMITTED BY: TG

PROJECT: 3011G10 DATE PRINTED: 13-FEB-95

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	5	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
2	Cu	Copper	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
3	Pb	Lead	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
4	Zn	Zinc	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
5	Mo	Molybdenum	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	Ni	Nickel	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Co	Cobalt	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	Cd	Cadmium	5	2.0 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Bi	Bismuth	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	As	Arsenic	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	Sb	Antimony	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Fe	Iron	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	Mn	Manganese	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	Te	Tellurium	5	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Ba	Barium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	Cr	Chromium	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	V	Vanadium	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Sn	Tin	5	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	W	Tungsten	5	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	Li	Lithium	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	Ga	Gallium	5	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	La	Lanthanum	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	Ta	Tantalum	5	100 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	Ti	Titanium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	Al	Aluminum	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	Mg	Magnesium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Ca	Calcium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Na	Sodium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	K	Potassium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Nb	Niobium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	Sr	Strontium	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	Y	Yttrium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Zr	Zirconium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

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Inchcape Testing Services

Geochemical Lab Report

REPORT: 095-40055.0 (COMPLETE)

REFERENCE: -

CLIENT: WESTMINER CANADA LIMITED - EXPLORATION DIVISION

PROJECT: 3011G10

SUBMITTED BY: TG

DATE PRINTED: 13-FEB-95

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
SOIL	5	-80	5	DRY, SIEVE -80	5

REPORT COPIES TO: MR. TERRY GOODWIN
FAX:R. WILLIAMS/T.GOODWIN

INVOICE TO: MR. TERRY GOODWIN
MS. DIANA CAMPBELL

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DATE PRINTED: 13-FEB-95

PORT: 095-40055.0 (COMPLETE) PROJECT: 3011G10 PAGE 1A

SAMPLE MBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT
CS 101603		<0.5	51	17	46	2	47	11	<2.0	<5	<5	13	2.01
CS 101606		<0.5	8	13	68	3	34	5	<2.0	<5	<5	14	2.10
CS 101609		<0.5	4	12	54	<1	36	7	<2.0	<5	<5	9	3.10
CS 101612		<0.5	12	15	62	<1	45	14	<2.0	<5	<5	<5	2.46
CS 101615		<0.5	25	15	40	<1	39	19	<2.0	<5	<5	<5	2.43

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REPORT: 095-40055.0 (COMPLETE) PROJECT: 3011G10 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Ta PPM	Ti PCT
CS 101603		355	<25	281	57	51	<20	<20	8	<10	10	<100	0.13
CS 101606		307	<25	361	63	46	<20	<20	14	<10	9	<100	0.15
CS 101609		336	<25	401	78	61	<20	<20	19	<10	10	<100	0.21
CS 101612		411	<25	344	75	60	<20	<20	13	<10	9	<100	0.19
CS 101615		379	<25	384	75	64	<20	<20	13	<10	13	<100	0.21

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REPORT: 095-40055.0 (COMPLETE)

DATE PRINTED: 13-FEB-95

PROJECT: 3011G10

SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
CS 101603		4.44	0.71	1.07	1.35	0.91	<5	149	5	64
CS 101606		4.96	0.55	0.94	1.37	1.23	5	164	5	72
CS 101609		5.89	0.73	1.10	1.64	1.31	7	182	6	82
CS 101612		5.58	0.81	1.39	1.49	1.06	5	171	6	74
CS 101615		5.95	0.91	1.53	2.01	1.24	7	226	8	81

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REPORT: 095-40055.0 (COMPLETE) PROJECT: 3011G10 PAGE 2A

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT
BCC GEOCHEM STD 5		0.7	83	14	80	<1	38	21	<2.0	<5	<5	<5	4.48
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.70	83.0	14.0	80.3	0.5	38.0	21.0	1.00	2.5	2.5	2.5	4.480
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	8	1	-
ANALYTICAL BLANK		<0.5	<1	<2	<2	<1	<1	<1	<2.0	<5	<5	<5	0.01
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.25	0.5	1.0	1.0	0.5	0.5	0.5	1.00	2.5	2.5	2.5	0.013
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		<0.1	<1	<1	<1	<1	<1	<1	<0.1	<1	<1	<1	<0.01

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PROJECT: 3011G10

STANDARD ME	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Ta PPM	Ti PCT
BCC GEOCHEM STD 5		779	<25	657	99	165	<20	<20	26	<10	11	<100	0.42
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
an Value		779.3	12.5	657.1	99.3	164.9	10.0	10.0	25.5	5.0	11.1	50.0	0.420
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	4	2	32	4	10	-	0.51
ALYTICAL BLANK		<5	<25	<5	<2	<2	<20	<20	<2	<10	<5	<100	<0.01
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
an Value		2.5	12.5	2.5	1.0	1.0	10.0	10.0	1.0	5.0	2.5	50.0	0.005
andard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01

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DATE PRINTED: 13-FEB-95

RE RT: 095-40055.0 (COMPLETE) PROJECT: 3011G10 PAGE 2C

STANDARD	ELEMENT	Al	Mg	Ca	Na	K	Nb	Sr	Y	Zr
NA	UNITS	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM
BCC GEOCHEM STD 5		7.11	2.00	1.80	1.88	1.12	8	236	11	53
Nu er of Analyses		1	1	1	1	1	1	1	1	1
Me Value		7.110	1.996	1.804	1.880	1.124	8.0	236.2	11.1	52.9
Standard Deviation		-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	17	-	13	-
AN. YTICAL BLANK		0.01	<0.01	<0.01	<0.01	<0.01	<5	<1	<5	<5
Number of Analyses		1	1	1	1	1	1	1	1	1
Me Value		0.010	0.005	0.005	0.005	0.005	2.5	0.5	2.5	2.5
St dard Deviation		-	-	-	-	-	-	-	-	-
Accepted Value		<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<1	<1

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FALL 94

Geochemical Lab Report

REPORT: 095-40092.0 (COMPLETE) REFERENCE: -

CLIENT: WESTMINER CANADA LIMITED - EXPLORATION DIVISION SUBMITTED BY: R. HUNEAULT
PROJECT: NONE DATE PRINTED: 17-MAR-95

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
PREPARED PULP	8	AS RECEIVED	8	AS RECEIVED	8

REMARKS: ERRATIC GOLD RESULTS WERE OBTAINED FOR SAMPLE
CS101610 ~~(HMG, -~~25MESH) DUE TO FREE GOLD EFFECT
WHICH WAS RESULTED FROM COARSE SAMPLE EMPLYED.

REPORT COPIES TO: ROHAN WILLIAMS INVOICE TO: ROHAN WILLIAMS
FAX: ROHAN WILLIAMS

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Geochemical Lab Report

DATE PRINTED: 17-MAR-95

REPORT: C95-40092.0 (COMPLETE) PROJECT: NONE PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
CS101601	(-250MESH)	10	<5	<1	15.18	0.5	17	12	40	<1	37	17	<2.0
CS101604	(-250MESH)	6	<5	<1	15.24	0.7	86	11	70	<1	119	29	<2.0
CS101610	(-250 MESH)	1	<5	<1	15.15	<0.5	26	11	67	<1	65	19	<2.0
CS101613	(-250 MESH)	<1	<5	<1	15.27	<0.5	40	13	39	<1	45	19	<2.0
CS101601	(HMC,-25)	60	<5	<1	5.22	3.1	9	24	90	<1	61	58	<2.0
CS101604	(HMC,-25)	<1	<5	<1	2.55	1.0	6	6	92	<1	100	73	<2.0
CS101610	(HMC,-25)	2183	<5	<1	6.32	2.6	10	8	69	<1	52	59	<2.0
CS101613	(HMC,-25)	10	<5	<1	15.14	1.2	3	17	87	<1	58	55	<2.0

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Geochemical Lab Report

REPORT: 095-40092.0 (COMPLETE)

DATE PRINTED: 17-MAR-95

PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM
CS101601 (-250MESH)		<5	<5	<5	2.47	413	<25	466	100	65	<20	<20	13
CS101604 (-250MESH)		<5	37	<5	3.30	485	<25	498	131	81	<20	<20	21
CS101610 (-250 MESH)		<5	<5	<5	3.18	403	<25	440	123	79	<20	<20	21
CS101613 (-250 MESH)		<5	<5	<5	2.58	434	<25	450	99	71	<20	<20	14
CS101601 (HMC,-25)		<5	<5	<5	9.35	2943	<25	74	554	272	<20	<20	9
CS101604 (HMC,-25)		<5	<5	<5	>10.00	3742	<25	89	366	136	<20	<20	9
CS101610 (HMC,-25)		<5	<5	<5	9.55	3305	<25	80	281	148	<20	<20	8
CS101613 (HMC,-25)		<5	<5	<5	9.55	2707	<25	66	406	260	<20	<20	9

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REPORT: 095-40092.0 (COMPLETE)

DATE PRINTED: 17-MAR-95
PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM
CS101601	(-250MESH)	<10	12	<100	0.27	6.27	0.93	1.50	2.07	0.83	<5	225	10
CS101604	(-250MESH)	<10	13	<100	0.30	7.83	1.41	1.11	1.69	1.29	<5	173	8
CS101610	(-250 MESH)	<10	11	<100	0.30	6.79	1.07	1.47	1.63	1.06	<5	184	8
CS101613	(-250 MESH)	<10	16	<100	0.28	6.39	1.01	1.76	2.14	1.36	<5	242	11
CS101601	(HMC,-25)	<10	93	<100	2.16	7.08	2.74	8.15	0.76	0.35	<5	538	76
CS101604	(HMC,-25)	<10	53	<100	2.31	6.45	3.12	6.67	0.66	0.36	<5	263	52
CS101610	(HMC,-25)	<10	51	<100	2.63	7.26	1.76	7.23	0.60	0.35	<5	296	56
CS101613	(HMC,-25)	<10	81	<100	1.84	6.26	3.08	8.43	0.65	0.40	<5	488	101

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DATE PRINTED: 17-MAR-95

REPORT: 095-40092.0 (COMPLETE) PROJECT: NONE PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM
CS101601 (-250MESH)		74
CS101604 (-250MESH)		65
CS101610 (-250 MESH)		66
CS101613 (-250 MESH)		72
CS101601 (HMC, 25)		806
CS101604 (HMC,-25)		317
CS101610 (HMC, 25)		441
CS101613 (HMC,-25)		666

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** FILE TUTPLE.tbb **

Sample No.	Percent of Total Pebbles										
	River Valley Pluton					Red	Huronian	Nipissing	Greenstone	Granitic	
	Total	Peridotite	Pyroxenite	Gabbro	Anorthosite	Sed. Gneiss	Sediments	Diabase	Belt	Pluton	Other
CS 101501	No pebbles in sample										
101504	16	0	2	10	4	2	44	10	16	10	2 (qtz. vein)
101510	40	8	22	4	6	4	24	6	14	2	0
101513	4	0	0	0	4	22	36	8	24	6	0

Table 1 – Lithologies of 8–16 mm Pebbles

SAMPLE #	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS													
101601	Y	25 X 50	8 C		1					1			NO SULPHIDES
													NO PLATINUM GROUP MINERALS OBSERVED
										1	14.7	6	
101604	Y	NO VISIBLE GOLD											NO SULPHIDES
													NO PLATINUM GROUP MINERALS OBSERVED
101610	Y	150 X 200	34 C				1			1			NO SULPHIDES
													OBSERVED RED RUTILE, PLATY TiO2.
										1	10.3	751	NO PLATINUM GROUP MINERALS OBSERVED
101613	Y	25 X 50	8 C	1						1			NO SULPHIDES
													NO PLATINUM GROUP MINERALS OBSERVED
										1	46.1	2	

Table 3 — Detailed Gold and Platinum Grain Descriptions

Sample No.	Mg/Mn/Al Minerals 0.25–0.5 mm (percent)						Sulphide/Arsenide Minerals 0.25–0.5 mm				Remarks	Picked Grains
	>1 amp			<1 amp								
	Colourless Epidote	Red Rutile	Spinel	Chromite	Platy Fe-Rutile	Grey/Brown Pyroxene	Py.	Cpy.	Po.	Other		
CS 101601	4	Tr. (3 gr.)	0	0	0	25	0	0	0	0	Major minerals: hornblende > brown pyroxene > epidote > almandine. (1 amp 0.25–0.5 mm fraction contains 4% dark bottle green augite (confirmed 2 grains by SEM).	5 dark bottle green augite
101604	40	Tr. (5 gr.)	0	0	0	50	Tr. (3 gr.)	0	0	0	Brown pyroxene > hornblende = almandine > epidote. Pyrite has thin limonite scale. One accidental kimberlitic pyrope 0.25–0.5 mm.	1 pyrope
101610	30	7	0	0	7	10	0	0	0	0	Major minerals: hornblende > almandine > epidote > brown pyroxene. Epidote occurs in 3 colour phases: normal green, very pale green and colourless. Latter 2 phases resemble olivine but confirmed 5 grains of each from 0.25–0.5 mm by SEM. Rutile is distinctly red but SEM check of 3 grains found no special trace elements. Occurs in association with 2 minerals: 1) common platy grey semimetallic; SEM on 5 grains 0.25–0.5 mm = Fe-rutile, and 2) rare dark green microcrystalline, spinel-like; SEM on 2 grains >0.5 mm = augite but in one case "rutile" is almandine (grain not saved). Also found 1 accidental kimberlitic pyrope 0.5–1.0 mm.	5 pale green epicote resembling olivine, 5 colourless epidote resembling olivine, 3 red rutile, 5 black platy Fe-rutile, 1 green pyroxene with red rutile, 1 pyrope
101613	0	0	0	0	0 +	40	Tr. (20 gr.)	0	0	0	Hornblende >> epidote > brown pyroxene > almandine. Pyrite is extensively limonitized, some grains have become paramagnetic. + >1 amp 0.25–0.5 mm fraction contains ~20 grains of intergrown mica + hematite (red streak) resembling platey rutile of 101610.	5 hematite–mica intergrowths

Table 4 – Metamorphosed Magmatic Massive Sulphides

APPENDIX IV

Regional Soils

(<80 mesh)
Analytical Results

Bondar Clegg
Inchcape Testing Services

Geochemical
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WMC INTERNATIONAL
ROHAN WILLIAMS
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Geochemical Lab Report

REPORT: 095-40408.0 (COMPLETE)

REFERENCE: -

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: TG

PROJECT: 3011G10

DATE PRINTED: 9-AUG-95

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	96	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
2	Cu	Copper	96	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
3	Pb	Lead	96	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
4	Zn	Zinc	96	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
5	Mo	Molybdenum	96	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	Ni	Nickel	96	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Co	Cobalt	96	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	Cd	Cadmium	96	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Bi	Bismuth	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	As	Arsenic	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	Sb	Antimony	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Fe Tot	Total Iron	96	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	Mn	Manganese	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	Te	Tellurium	96	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Ba	Barium	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	Cr	Chrome	96	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	V	Vanadium	96	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Sn	Tin	96	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	W	Tungsten	96	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	La	Lanthanum	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	Al	Aluminum	96	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	Mg	Magnesium	96	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	Ca	Calcium	96	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	Na	Sodium	96	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	K	Potassium	96	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	Sr	Strontium	96	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Y	Yttrium	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Ga	Gallium	96	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	Li	Lithium	96	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Nb	Niobium	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	Sc	Scandium	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	Ta	Tantalum	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Ti	Titanium	96	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
34	Zr	Zirconium	96	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

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Geochemical
Lab
Report

REPORT: 095-40408.0 (COMPLETE)

REFERENCE: -

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: TG

PROJECT: 3011G10

DATE PRINTED: 9-AUG-95

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
SOIL	96	-80	96	DRY, SIEVE -80	96

REPORT COPIES TO: ROHAN WILLIAMS
FAX: TERRY GOODWIN

INVOICE TO: MS. DIANA CAMPBELL

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS104101		<0.5	23	26	92	9	43	23	<1	<5	<5	<5	3.38
CS104102		<0.5	28	30	91	7	47	18	<1	<5	9	<5	2.64
CS104103		0.6	19	13	73	6	42	17	<1	<5	<5	<5	2.72
CS104104		<0.5	32	21	126	5	54	21	<1	<5	<5	<5	2.84
CS104105		<0.5	16	17	58	10	41	18	1	<5	34	7	3.24
CS104106		<0.5	43	27	96	9	56	23	<1	<5	41	<5	3.87
CS104107		<0.5	77	34	85	10	80	25	<1	<5	<5	<5	3.57
CS104108		<0.5	10	29	71	8	37	15	<1	<5	<5	<5	2.61
CS104109		<0.5	14	26	48	7	38	13	<1	<5	15	<5	2.59
CS104110		<0.5	3	27	44	6	29	11	<1	<5	25	8	2.09
CS104111		<0.5	30	30	54	13	44	18	<1	<5	<5	<5	2.65
CS104112		<0.5	25	31	44	7	36	14	<1	<5	12	<5	2.03
CS104113		<0.5	10	20	55	7	39	12	<1	<5	<5	<5	2.16
CS104114		<0.5	17	25	58	5	45	18	<1	<5	<5	<5	2.92
CS104115		<0.5	19	21	42	6	43	15	<1	<5	35	6	2.16
CS104116		<0.5	16	16	62	14	64	23	<1	7	11	<5	2.89
CS104117		<0.5	5	24	45	5	37	14	<1	<5	<5	<5	2.58
CS104118		<0.5	26	16	70	5	48	23	<1	<5	<5	<5	3.40
CS104119		<0.5	23	24	61	6	45	15	<1	<5	<5	<5	2.36
CS104120		<0.5	13	21	106	10	43	16	<1	<5	<5	<5	2.77
CS104121		<0.5	63	36	96	12	83	24	<1	<5	<5	<5	3.39
CS104122		<0.5	25	27	71	10	48	20	<1	<5	7	<5	3.11
CS104123		<0.5	25	25	58	11	62	25	<1	<5	<5	<5	3.64
CS104124		<0.5	21	27	43	7	43	13	<1	<5	39	11	2.24
CS104125		<0.5	36	23	58	9	59	18	<1	<5	16	<5	3.42
CS104126		<0.5	24	14	49	7	47	18	<1	<5	<5	<5	3.08
CS104127		<0.5	21	22	52	8	54	17	<1	<5	<5	<5	2.53
CS104128		<0.5	27	24	75	7	70	19	<1	<5	23	<5	2.71
CS104129		<0.5	15	10	43	4	40	14	<1	<5	<5	<5	1.97
CS104130		0.8	54	25	66	7	62	18	<1	<5	21	9	2.81
CS104131		<0.5	40	27	94	15	86	29	<1	7	46	6	4.20
CS104132		<0.5	11	21	39	6	32	10	<1	<5	<5	<5	1.63
CS104133		<0.5	5	25	35	7	21	8	<1	<5	31	<5	2.74
CS104134		<0.5	24	23	46	4	34	13	<1	<5	<5	6	2.52
CS104135		<0.5	13	12	39	7	42	15	<1	<5	30	<5	2.19
CS104136		<0.5	14	16	52	7	38	16	<1	<5	<5	<5	2.47
CS104137		<0.5	43	39	43	6	53	16	<1	<5	<5	<5	2.17
CS104138		<0.5	11	39	67	12	41	15	<1	<5	<5	<5	2.97
CS104139		<0.5	29	29	46	8	34	11	<1	<5	<5	<5	2.47
CS104140		<0.5	35	39	54	8	56	20	<1	<5	28	<5	3.02

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Geochemical Lab Report

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REPORT: 095-40408.0 (COMPLETE) PROJECT: 3011G10 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS104101		554	<25	469	81	91	<20	<20	11	5.43	0.81	1.43	2.40
CS104102		586	<25	377	66	70	<20	<20	6	5.10	0.62	1.10	1.98
CS104103		459	<25	417	74	74	<20	<20	11	6.39	0.76	1.78	2.31
CS104104		700	<25	398	89	77	<20	<20	11	6.62	0.90	1.60	1.92
CS104105		544	<25	369	73	95	<20	<20	8	7.30	0.99	2.52	2.31
CS104106		692	<25	436	94	110	<20	<20	12	8.47	1.30	2.87	2.50
CS104107		834	<25	421	90	101	<20	<20	15	7.33	1.35	2.61	2.38
CS104108		420	<25	386	66	60	<20	<20	11	6.68	0.57	1.51	2.03
CS104109		335	<25	352	55	82	<20	<20	10	6.56	0.54	1.83	1.74
CS104110		356	<25	510	61	59	<20	<20	13	6.53	0.49	1.78	2.33
CS104111		573	<25	402	58	86	<20	<20	9	7.11	1.24	3.07	2.88
CS104112		405	<25	463	62	62	<20	<20	13	6.27	0.78	1.73	2.60
CS104113		362	<25	394	64	58	<20	<20	10	6.05	0.59	1.25	1.85
CS104114		540	<25	375	80	83	<20	<20	11	7.20	1.25	2.50	2.07
CS104115		382	<25	350	66	68	<20	<20	12	6.67	0.71	1.64	1.96
CS104116		485	<25	337	138	75	<20	<20	9	8.55	1.73	2.50	2.20
CS104117		351	<25	421	74	66	<20	<20	12	6.58	0.70	1.26	1.91
CS104118		611	<25	343	76	94	<20	<20	9	7.35	1.26	2.72	2.18
CS104119		481	<25	378	66	68	<20	<20	11	6.46	0.68	1.78	2.02
CS104120		383	<25	439	70	64	<20	<20	11	6.73	0.60	1.38	2.21
CS104121		728	<25	443	96	90	<20	<20	15	8.51	1.50	2.72	2.71
CS104122		379	<25	408	80	68	<20	<20	15	7.38	0.72	1.55	2.04
CS104123		557	<25	311	75	115	<20	<20	7	8.54	1.35	3.14	2.05
CS104124		388	<25	446	81	66	<20	<20	14	6.72	0.74	1.73	2.59
CS104125		393	<25	504	90	83	<20	<20	21	7.71	0.77	1.59	2.43
CS104126		378	<25	438	84	71	<20	<20	19	6.83	0.63	1.61	2.21
CS104127		414	<25	474	81	75	<20	<20	13	7.14	0.88	1.69	2.43
CS104128		361	<25	448	77	66	<20	<20	14	7.83	0.93	1.71	2.02
CS104129		458	<25	424	66	59	<20	<20	15	6.20	0.71	1.39	2.10
CS104130		376	<25	423	74	73	<20	<20	12	6.91	0.75	1.72	2.35
CS104131		765	<25	606	107	85	<20	<20	33	8.23	1.82	1.93	2.32
CS104132		305	<25	428	57	49	<20	<20	16	6.13	0.56	1.52	2.17
CS104133		249	<25	326	60	72	<20	<20	9	5.36	0.29	0.97	1.62
CS104134		333	<25	355	62	72	<20	<20	14	5.71	0.48	1.39	1.95
CS104135		377	<25	388	75	58	<20	<20	11	6.75	0.64	1.55	2.34
CS104136		360	<25	407	65	62	<20	<20	16	6.74	0.63	1.57	2.22
CS104137		349	<25	360	71	64	<20	<20	12	4.10	0.88	1.30	2.00
CS104138		317	<25	509	61	67	<20	<20	14	6.55	0.50	1.28	2.19
CS104139		297	<25	355	65	68	<20	<20	13	3.81	0.61	0.96	1.49
CS104140		476	<25	419	81	79	<20	<20	17	6.62	1.09	2.08	2.01

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CS104101		1.62	223	10	<10	26	7	9	10	0.48	132
CS104102		1.39	179	7	<10	20	<5	7	<5	0.30	107
CS104103		1.39	259	9	<10	21	5	10	<5	0.32	100
CS104104		1.18	208	9	<10	25	6	10	<5	0.32	92
CS104105		1.28	242	9	<10	18	<5	12	<5	0.34	86
CS104106		1.44	274	12	<10	24	<5	14	<5	0.42	100
CS104107		1.36	243	11	<10	19	<5	14	<5	0.37	89
CS104108		1.29	240	8	<10	21	<5	8	<5	0.27	93
CS104109		1.24	212	7	<10	21	7	9	<5	0.34	104
CS104110		1.66	300	8	<10	22	<5	8	<5	0.32	128
CS104111		1.39	263	9	<10	18	5	13	<5	0.37	110
CS104112		1.58	272	9	<10	17	<5	8	<5	0.30	116
CS104113		1.35	206	6	<10	20	<5	8	<5	0.27	92
CS104114		1.34	214	9	<10	20	<5	12	<5	0.31	85
CS104115		1.18	223	8	<10	21	<5	9	<5	0.29	94
CS104116		1.14	221	8	<10	23	<5	13	<5	0.24	75
CS104117		1.49	214	7	<10	23	<5	8	<5	0.28	91
CS104118		1.19	217	10	<10	17	<5	13	<5	0.31	82
CS104119		1.22	224	8	<10	15	<5	9	<5	0.28	86
CS104120		1.42	242	8	<10	24	5	8	<5	0.32	124
CS104121		1.57	274	11	<10	27	5	12	<5	0.35	103
CS104122		1.33	247	9	<10	25	<5	9	<5	0.32	90
CS104123		1.11	207	8	10	29	<5	13	<5	0.35	75
CS104124		1.43	305	8	<10	18	<5	8	<5	0.30	101
CS104125		1.58	295	12	<10	30	5	10	<5	0.36	118
CS104126		1.39	279	11	<10	22	<5	9	<5	0.33	98
CS104127		1.49	296	9	<10	27	6	9	<5	0.37	108
CS104128		1.45	226	9	<10	49	<5	9	<5	0.30	87
CS104129		1.55	234	8	<10	19	<5	9	<5	0.25	87
CS104130		1.48	250	8	<10	25	6	9	<5	0.33	105
CS104131		1.90	266	19	<10	35	12	10	<5	0.67	116
CS104132		1.50	266	8	<10	15	5	7	<5	0.25	112
CS104133		1.07	187	6	<10	15	<5	6	<5	0.31	98
CS104134		1.20	220	8	<10	21	<5	8	<5	0.30	95
CS104135		1.33	263	7	<10	17	<5	8	<5	0.26	86
CS104136		1.31	264	10	<10	21	<5	8	<5	0.28	103
CS104137		1.22	225	7	<10	16	<5	8	<5	0.30	98
CS104138		1.66	249	9	<10	26	6	8	<5	0.36	120
CS104139		1.19	172	7	<10	21	6	7	<5	0.32	87
CS104140		1.30	278	11	<10	20	<5	11	<5	0.36	90

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Geochemical Lab Report

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REPORT: 095-40408.0 (COMPLETE) PROJECT: 3011G10 PAGE 2A

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS104141		<0.5	32	27	63	10	46	13	2	<5	16	6	2.29
CS104142		<0.5	23	27	81	9	56	18	<1	<5	19	<5	2.79
CS104143		<0.5	12	22	41	8	36	13	<1	<5	<5	<5	2.86
CS104144		<0.5	23	22	61	17	50	17	<1	<5	41	<5	2.82
CS104145		<0.5	27	26	67	6	50	18	<1	<5	10	<5	2.76
CS104146		<0.5	23	27	41	9	44	15	<1	<5	12	<5	2.62
CS104147		<0.5	21	34	59	6	45	12	<1	<5	14	<5	2.58
CS104148		0.5	19	35	37	5	37	11	<1	<5	<5	<5	2.51
CS104149		<0.5	8	26	48	5	36	11	<1	<5	<5	<5	2.27
CS104150		0.6	25	35	53	8	44	17	<1	<5	<5	<5	2.11
CS104151		<0.5	26	34	53	5	47	18	<1	<5	16	6	2.15
CS104152		<0.5	34	26	77	7	75	24	<1	<5	18	<5	4.06
CS104153		<0.5	44	16	58	7	111	29	<1	<5	12	<5	3.32
CS104154		<0.5	32	26	68	6	56	23	<1	<5	20	<5	3.28
CS104155		0.5	34	24	89	8	51	31	<1	<5	26	<5	3.59
CS104156		<0.5	20	22	42	6	55	16	<1	<5	15	<5	2.36
CS104157		0.8	15	31	53	8	58	21	<1	<5	21	<5	2.73
CS104158		<0.5	23	26	57	7	43	16	<1	<5	<5	<5	2.78
CS104159		<0.5	38	27	72	14	66	31	<1	8	18	<5	5.61
CS104160		<0.5	17	31	62	9	47	18	<1	<5	<5	<5	3.44
CS104161		<0.5	51	16	64	4	62	27	<1	<5	<5	<5	4.00
CS104162		<0.5	19	21	79	9	58	19	<1	<5	11	<5	3.13
CS104163		<0.5	22	30	46	5	40	14	<1	<5	<5	<5	1.97
CS104164		<0.5	8	12	41	8	41	18	<1	<5	<5	<5	3.39
CS104165		<0.5	4	17	59	6	31	14	<1	<5	28	<5	2.92
CS104166		<0.5	17	25	64	6	36	13	<1	<5	<5	<5	2.70
CS104167		<0.5	20	26	41	9	51	20	<1	<5	<5	<5	2.79
CS104168		<0.5	47	22	78	9	54	21	<1	6	<5	<5	3.83
CS104169		<0.5	27	24	50	6	40	14	<1	<5	15	<5	2.97
CS104170		<0.5	19	15	59	6	48	19	<1	<5	9	<5	3.32
CS104171		0.8	22	20	29	5	25	11	<1	<5	<5	<5	2.02
CS104172		<0.5	33	24	58	8	38	22	<1	<5	17	<5	2.33
CS104173		<0.5	4	22	85	7	35	14	<1	<5	<5	<5	2.98
CS104174		0.5	8	23	49	12	41	15	<1	<5	7	<5	2.87
CS104175		<0.5	25	19	83	10	48	19	<1	<5	<5	<5	4.25
CS104176		<0.5	18	30	65	10	40	15	<1	<5	<5	<5	3.15
CS104177		<0.5	15	15	47	9	41	14	1	<5	<5	<5	2.28
CS104178		<0.5	26	4	31	3	28	10	<1	<5	19	<5	2.21
CS104179		<0.5	5	23	64	6	40	12	<1	<5	11	<5	2.50
CS104180		<0.5	9	12	49	8	49	17	<1	<5	<5	<5	3.82

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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS104141		337	<25	410	64	54	<20	<20	15	5.33	0.57	1.20	1.74
CS104142		374	<25	417	82	68	<20	<20	17	6.52	0.61	1.29	1.81
CS104143		356	<25	387	92	77	<20	<20	15	6.43	0.76	1.61	1.84
CS104144		454	<25	426	109	74	<20	<20	12	6.15	0.80	1.54	1.84
CS104145		509	<25	456	72	77	<20	<20	15	6.60	1.08	2.06	2.17
CS104146		265	<25	340	54	64	<20	<20	15	5.60	0.38	0.95	1.44
CS104147		266	<25	438	78	61	<20	<20	10	3.33	0.59	0.51	1.44
CS104148		279	<25	262	62	67	<20	<20	53	3.33	0.83	1.14	1.40
CS104149		271	<25	389	68	66	<20	<20	13	4.37	0.48	1.20	1.63
CS104150		447	<25	454	68	62	<20	<20	16	6.11	0.68	1.32	1.89
CS104151		428	<25	452	72	64	<20	<20	19	6.20	0.68	1.36	1.78
CS104152		540	<25	411	93	85	<20	<20	10	6.77	1.05	1.75	1.81
CS104153		579	<25	349	91	84	<20	<20	16	7.94	2.01	2.56	1.89
CS104154		414	<25	411	83	84	<20	<20	10	6.37	0.83	1.57	1.88
CS104155		1295	<25	465	97	81	<20	<20	17	6.83	0.70	1.32	1.65
CS104156		334	<25	326	90	64	<20	<20	7	3.40	0.80	1.15	1.68
CS104157		382	<25	375	75	76	<20	<20	8	4.79	0.93	1.52	1.76
CS104158		335	<25	413	72	72	<20	<20	18	4.61	0.77	1.37	1.74
CS104159		699	<25	341	86	132	<20	<20	8	7.31	1.41	2.47	2.00
CS104160		438	<25	381	68	89	<20	<20	11	5.81	0.76	1.55	1.68
CS104161		578	<25	347	66	98	<20	<20	10	6.48	1.29	2.41	1.75
CS104162		482	<25	439	86	70	<20	<20	15	6.86	0.88	1.44	1.75
CS104163		367	<25	455	68	59	<20	<20	14	5.90	0.72	1.31	1.78
CS104164		369	<25	401	76	80	<20	<20	10	6.30	0.70	1.38	1.77
CS104165		401	<25	437	79	69	<20	<20	12	6.04	0.57	1.41	1.79
CS104166		311	<25	376	70	69	<20	<20	8	3.75	0.64	0.76	1.72
CS104167		462	<25	397	81	79	<20	<20	12	4.94	1.10	1.87	1.79
CS104168		598	<25	365	82	87	<20	<20	9	5.00	1.14	2.07	1.50
CS104169		377	<25	360	69	75	<20	<20	10	4.27	0.62	1.11	1.61
CS104170		459	<25	432	86	76	<20	<20	20	5.20	0.88	1.42	1.77
CS104171		273	<25	410	48	63	<20	<20	14	5.55	0.46	1.27	1.90
CS104172		333	<25	448	55	60	<20	<20	14	5.80	0.52	1.27	1.78
CS104173		289	<25	385	55	66	<20	<20	11	5.15	0.49	1.17	1.64
CS104174		335	<25	395	70	66	<20	<20	14	6.18	0.59	1.37	1.79
CS104175		506	<25	477	77	107	<20	<20	14	7.72	0.94	2.10	2.16
CS104176		468	<25	437	56	88	<20	<20	11	6.50	0.70	1.96	1.86
CS104177		290	<25	315	54	54	<20	<20	11	5.06	0.45	1.08	1.50
CS104178		291	<25	312	60	57	<20	<20	20	5.00	0.48	1.15	1.62
CS104179		292	<25	368	57	58	<20	<20	11	6.11	0.40	1.14	1.56
CS104180		358	<25	339	89	81	<20	<20	11	6.83	0.67	1.39	1.47

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SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CS104141		1.33	244	8	<10	17	<5	7	<5	0.27	104
CS104142		1.30	250	9	<10	22	<5	9	<5	0.30	96
CS104143		1.24	258	8	<10	23	<5	10	<5	0.35	84
CS104144		1.37	239	9	<10	21	<5	9	7	0.32	92
CS104145		1.45	297	10	<10	19	<5	11	<5	0.33	91
CS104146		1.08	192	10	<10	22	5	7	<5	0.27	96
CS104147		1.42	152	<5	<10	21	5	<5	<5	0.33	100
CS104148		0.94	123	12	11	13	11	7	<5	0.51	284
CS104149		1.27	201	7	<10	19	<5	7	<5	0.34	98
CS104150		1.46	253	8	<10	26	6	8	<5	0.30	112
CS104151		1.39	246	9	<10	25	<5	9	<5	0.31	104
CS104152		1.29	229	10	<10	28	6	10	<5	0.37	91
CS104153		1.15	223	12	<10	24	<5	13	<5	0.35	80
CS104154		1.27	244	8	<10	23	<5	9	<5	0.34	95
CS104155		1.40	234	11	<10	28	8	10	<5	0.40	99
CS104156		1.12	161	7	<10	15	<5	7	<5	0.29	93
CS104157		1.15	198	7	<10	21	<5	8	<5	0.30	85
CS104158		1.29	224	9	<10	23	6	8	7	0.35	91
CS104159		1.15	210	13	<10	29	5	15	<5	0.57	91
CS104160		1.22	199	9	<10	22	<5	10	<5	0.37	102
CS104161		1.11	227	11	<10	19	<5	13	<5	0.45	77
CS104162		1.39	214	15	<10	26	5	10	<5	0.32	130
CS104163		1.54	241	7	<10	21	<5	8	<5	0.29	91
CS104164		1.28	236	9	<10	25	<5	9	<5	0.33	81
CS104165		1.44	264	7	<10	23	<5	8	<5	0.31	87
CS104166		1.25	172	6	<10	22	<5	6	<5	0.34	101
CS104167		1.28	200	10	<10	18	<5	10	<5	0.33	81
CS104168		1.16	159	15	<10	18	6	12	<5	0.39	100
CS104169		1.19	183	11	<10	18	6	7	<5	0.37	107
CS104170		1.36	204	19	<10	23	8	10	<5	0.35	109
CS104171		1.30	242	7	<10	18	6	7	<5	0.31	101
CS104172		1.39	258	9	<10	22	<5	8	<5	0.32	102
CS104173		1.32	188	10	<10	27	7	8	<5	0.33	119
CS104174		1.37	221	9	<10	25	5	8	<5	0.31	106
CS104175		1.56	266	11	<10	34	6	12	<5	0.45	116
CS104176		1.39	242	10	<10	24	7	10	<5	0.40	103
CS104177		1.11	174	8	<10	17	<5	7	<5	0.23	90
CS104178		1.15	184	12	<10	12	<5	8	<5	0.25	119
CS104179		1.23	201	8	<10	21	5	7	<5	0.28	90
CS104180		1.12	178	10	<10	26	5	10	<5	0.32	111

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS104181		<0.5	43	26	89	14	43	17	<1	<5	5	<5	4.25
CS104182		<0.5	21	6	68	5	46	15	<1	<5	<5	<5	2.91
CS104183		<0.5	8	14	47	3	38	13	<1	<5	<5	<5	2.71
CS104184		<0.5	23	29	51	10	42	15	<1	<5	23	<5	3.35
CS104185		<0.5	6	31	42	8	29	9	<1	<5	<5	<5	2.73
CS104186		<0.5	25	30	51	8	52	14	<1	<5	6	<5	2.44
CS104187		<0.5	13	17	66	7	52	15	<1	8	25	<5	3.01
CS104188		<0.5	7	23	91	4	57	15	<1	<5	<5	<5	2.81
CS104189		<0.5	36	26	92	7	55	14	<1	<5	<5	<5	3.09
CS104190		<0.5	31	13	83	10	52	16	<1	<5	<5	<5	4.68
CS104191		<0.5	14	28	60	10	34	11	<1	<5	<5	<5	3.62
CS104192		<0.5	15	22	72	10	46	15	<1	11	<5	<5	3.06
CS104193		<0.5	8	19	52	14	37	11	<1	<5	<5	<5	2.61
CS104194		<0.5	24	18	50	9	39	10	<1	<5	16	<5	3.42
CS104195		<0.5	15	18	59	10	37	14	<1	<5	<5	<5	3.53
CS104196		<0.5	13	23	38	7	38	20	<1	<5	6	<5	2.40

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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS104181		507	<25	453	72	77	<20	<20	32	7.25	0.87	1.67	1.81
CS104182		418	<25	411	74	75	<20	<20	17	6.43	0.83	1.59	1.76
CS104183		275	<25	333	48	66	<20	<20	11	4.38	0.44	0.96	1.55
CS104184		383	<25	501	63	90	<20	<20	18	7.58	0.70	1.72	2.48
CS104185		255	<25	418	51	74	<20	<20	11	6.53	0.39	1.32	1.83
CS104186		455	<25	415	71	67	<20	<20	15	5.89	0.95	1.72	2.04
CS104187		408	<25	397	77	68	<20	<20	12	6.09	0.84	1.43	1.73
CS104188		444	<25	408	80	68	<20	<20	12	6.55	0.82	1.62	1.81
CS104189		546	<25	421	68	70	<20	<20	16	5.97	0.82	1.70	1.63
CS104190		466	<25	394	129	100	<20	<20	18	6.47	0.90	1.60	1.41
CS104191		352	<25	326	68	78	<20	<20	34	6.02	0.55	1.23	1.39
CS104192		530	<25	401	69	73	<20	<20	16	5.19	1.02	1.68	1.67
CS104193		317	<25	486	76	63	<20	<20	18	6.48	0.46	1.37	2.10
CS104194		309	<25	414	69	79	<20	<20	21	6.48	0.48	1.17	1.46
CS104195		397	<25	435	56	88	<20	<20	16	6.17	0.72	1.47	1.90
CS104196		458	<25	391	57	68	<20	<20	28	5.77	0.77	1.39	1.68

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SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CS104181		1.50	227	24	<10	32	7	12	<5	0.43	174
CS104182		1.36	222	12	<10	23	6	10	<5	0.33	103
CS104183		1.15	152	9	<10	19	5	6	<5	0.32	117
CS104184		1.72	279	12	<10	24	7	11	<5	0.41	147
CS104185		1.32	231	7	<10	21	<5	7	<5	0.35	121
CS104186		1.40	238	9	<10	16	<5	9	<5	0.29	109
CS104187		1.41	196	10	<10	20	<5	9	<5	0.28	98
CS104188		1.36	226	10	<10	19	<5	9	<5	0.30	102
CS104189		1.40	201	14	<10	20	6	10	<5	0.34	141
CS104190		1.33	172	15	<10	34	8	11	<5	0.50	132
CS104191		1.11	164	29	<10	27	5	10	<5	0.34	93
CS104192		1.32	205	12	<10	23	6	10	<5	0.39	95
CS104193		1.68	254	8	<10	20	<5	8	<5	0.34	152
CS104194		1.39	193	9	<10	25	8	8	<5	0.40	158
CS104195		1.48	220	11	<10	27	6	9	<5	0.43	128
CS104196		1.41	194	13	<10	15	<5	9	<5	0.30	108

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STANDARD NAME / ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
BCC GEOCHEM STD 5	0.6	82	14	83	5	41	21	<1	<5	11	<5	4.13
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	0.59	82.0	14.0	83.0	5.0	40.8	21.0	0.5	2.5	11.0	2.5	4.135
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	0.7	90	11	80	2	40	18	<1	1	8	1	4.95
ANALYTICAL BLANK	<0.5	<1	<2	<2	<1	<1	<1	<1	<5	<5	<5	<0.01
ANALYTICAL BLANK	<0.5	<1	<2	<2	<1	<1	<1	<1	<5	<5	<5	<0.01
ANALYTICAL BLANK	<0.5	<1	<2	<2	<1	<1	<1	<1	<5	<5	<5	<0.01
Number of Analyses	3	3	3	3	3	3	3	3	3	3	3	3
Mean Value	0.25	0.5	1.0	1.0	0.5	0.5	0.5	0.5	2.5	2.5	2.5	0.005
Standard Deviation	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001
Accepted Value	0.2	1	2	1	1	1	1	1	2	5	5	0.05
BCC GEOCHEM STD 4	0.6	302	36	261	5	44	12	<1	<5	36	<5	2.86
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	0.59	302.0	36.0	261.0	5.0	44.0	12.0	0.5	2.5	36.0	2.5	2.864
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	0.5	290	33	255	4	42	9	1	1	30	1	2.81
BCC GEOCHEM STD 3	6.1	850	265	543	638	581	53	<1	6	307	55	6.16
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	6.11	850.0	265.0	543.0	638.0	581.0	53.0	0.5	6.0	307.0	55.0	6.158
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	5.0	820	250	500	600	600	48	2	4	310	50	5.62

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STANDARD NAME / ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
BCC GEOCHEM STD 5	843	<25	620	86	160	<20	<20	8	6.82	2.01	1.96	2.00
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	843.3	12.5	620.2	86.5	159.7	10.0	10.0	8.0	6.820	2.010	1.960	1.996
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	790	-	800	100	175	4	2	10	8.30	1.90	1.85	1.82
ANALYTICAL BLANK	<5	<25	<5	<2	<2	<20	<20	<5	0.01	<0.01	<0.01	0.02
ANALYTICAL BLANK	<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	0.01
ANALYTICAL BLANK	<5	<25	<5	<2	<2	<20	<20	<5	0.01	<0.01	<0.01	0.01
Number of Analyses	3	3	3	3	3	3	3	3	3	3	3	3
Mean Value	2.5	12.5	2.5	1.0	1.0	10.0	10.0	2.5	0.010	0.005	0.005	0.013
Standard Deviation	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0050	<0.0001	<0.0001	0.0045
Accepted Value	1	<1	<1	1	1	<1	<1	<1	<0.01	<0.01	<0.01	<0.01
BCC GEOCHEM STD 4	629	<25	443	136	29	<20	<20	11	6.25	1.50	1.51	2.15
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	629.0	12.5	442.6	136.2	28.5	10.0	10.0	11.0	6.252	1.500	1.510	2.150
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	600	-	305	136	29	5	1	8	6.88	1.34	1.43	1.82
BCC GEOCHEM STD 3	1094	<25	623	636	86	<20	<20	13	8.68	5.99	6.08	1.14
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	1094.0	12.5	623.0	636.0	85.6	10.0	10.0	13.0	8.683	5.990	6.080	1.140
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	1022	-	573	598	83	16	8	10	7.80	5.79	5.57	1.02

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STANDARD NAME / ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
BCC GEOCHEM STD 5	1.10	256	11	<10	30	<5	17	<5	0.47	49
Number of Analyses	1	1	1	1	1	1	1	1	1	1
Mean Value	1.100	256.3	11.2	5.0	30.4	2.5	17.3	2.5	0.466	49.2
Standard Deviation	-	-	-	-	-	-	-	-	-	-
Accepted Value	1.00	265	13	4	32	17	18	1	0.51	60
ANALYTICAL BLANK	<0.01	<1	<5	<10	<2	<5	<5	<5	<0.01	<5
ANALYTICAL BLANK	<0.01	<1	<5	<10	<2	<5	<5	<5	<0.01	<5
ANALYTICAL BLANK	<0.01	<1	<5	<10	<2	<5	<5	<5	<0.01	<5
Number of Analyses	3	3	3	3	3	3	3	3	3	3
Mean Value	0.005	0.5	2.5	5.0	1.0	2.5	2.5	2.5	0.005	2.5
Standard Deviation	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.01
Accepted Value	<0.01	<1	<1	<1	<1	<1	<1	<1	<0.01	<1
BCC GEOCHEM STD 4	1.18	96	9	<10	13	<5	13	<5	0.09	63
Number of Analyses	1	1	1	1	1	1	1	1	1	1
Mean Value	1.180	96.2	8.5	5.0	12.9	2.5	12.7	2.5	0.091	63.0
Standard Deviation	-	-	-	-	-	-	-	-	-	-
Accepted Value	0.89	90	8	8	10	7	12	1	0.12	68
BCC GEOCHEM STD 3	1.06	183	10	<10	28	6	14	<5	0.18	39
Number of Analyses	1	1	1	1	1	1	1	1	1	1
Mean Value	1.060	183.0	10.5	5.0	27.5	6.0	13.6	2.5	0.176	39.4
Standard Deviation	-	-	-	-	-	-	-	-	-	-
Accepted Value	0.90	171	13	7	21	12	12	1	0.15	45

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Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 9-AUG-95

REPORT: 095-40408.0 (COMPLETE) PROJECT: 3011G10 PAGE 5A

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS104109		<0.5	14	26	48	7	38	13	<1	<5	15	<5	2.59
Duplicate		<0.5	13	23	40	4	34	10	<1	<5	22	<5	2.35
CS104126		<0.5	24	14	49	7	47	18	<1	<5	<5	<5	3.08
Duplicate		0.5	21	17	45	5	45	16	<1	<5	<5	<5	2.99
CS104146		<0.5	23	27	41	9	44	15	<1	<5	12	<5	2.62
Duplicate		<0.5	25	24	42	11	46	14	<1	<5	21	<5	2.70
CS104163		<0.5	22	30	46	5	40	14	<1	<5	<5	<5	1.97
Duplicate		<0.5	21	26	44	5	39	14	<1	<5	<5	<5	1.93
CS104183		<0.5	8	14	47	3	38	13	<1	<5	<5	<5	2.71
Duplicate		<0.5	10	11	50	5	39	14	<1	<5	9	<5	2.90

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Geochemical Lab Report

DATE PRINTED: 9-AUG-95

REPORT: 095-40408.0 (COMPLETE) PROJECT: 3011G10 PAGE 5B

SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS104109		335	<25	352	55	82	<20	<20	10	6.56	0.54	1.83	1.74
Duplicate		303	<25	320	48	66	<20	<20	8	5.31	0.49	1.62	1.63
CS104126		378	<25	438	84	71	<20	<20	19	6.83	0.63	1.61	2.21
Duplicate		356	<25	409	80	63	<20	<20	16	6.37	0.58	1.48	2.13
CS104146		265	<25	340	54	64	<20	<20	15	5.60	0.38	0.95	1.44
Duplicate		276	<25	353	55	65	<20	<20	14	5.82	0.38	0.96	1.51
CS104163		367	<25	455	68	59	<20	<20	14	5.90	0.72	1.31	1.78
Duplicate		366	<25	437	68	58	<20	<20	12	5.69	0.69	1.29	1.70
CS104183		275	<25	333	48	66	<20	<20	11	4.38	0.44	0.96	1.55
Duplicate		309	<25	333	53	67	<20	<20	10	5.59	0.46	1.16	1.46

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REPORT: 095-40408.0 (COMPLETE) PROJECT: 3011G10 PAGE 5C

SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CS104109		1.24	212	7	<10	21	7	9	<5	0.34	104
Duplicate		1.11	197	6	<10	17	<5	7	<5	0.27	95
CS104126		1.39	279	11	<10	22	<5	9	<5	0.33	98
Duplicate		1.47	258	10	<10	19	<5	8	<5	0.30	106
CS104146		1.08	192	10	<10	22	5	7	<5	0.27	96
Duplicate		1.12	199	10	<10	24	<5	7	<5	0.28	92
CS104163		1.54	241	7	<10	21	<5	8	<5	0.29	91
Duplicate		1.46	234	7	<10	20	6	8	<5	0.28	101
CS104183		1.15	152	9	<10	19	5	6	<5	0.32	117
Duplicate		1.11	172	10	<10	19	<5	8	<5	0.30	113

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Geochemical
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Report

WMC INTERNATIONAL
MR. TERRY GOODWIN
22 GURDWARA RD.
NEPEAN, ONTARIO
K2E 8A2

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Geochemical Lab Report

REPORT: 095-40516.0 (COMPLETE)

REFERENCE:

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: T. GOODWIN

PROJECT: 3011

DATE PRINTED: 5-SEP-95

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ti	Titanium	3	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
2	Al	Aluminum	3	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
3	Fe Tot	Total Iron	3	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
4	Mn	Manganese	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
5	Mg	Magnesium	3	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	Ca	Calcium	3	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Na	Sodium	3	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	K	Potassium	3	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Li	Lithium	3	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	Sc	Scandium	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	V	Vanadium	3	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Cr	Chrome	3	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	Co	Cobalt	3	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	Ni	Nickel	3	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Cu	Copper	3	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	Zn	Zinc	3	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	Ga	Gallium	3	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Sr	Strontium	3	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	Y	Yttrium	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	Zr	Zirconium	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	Nb	Niobium	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	Mo	Molybdenum	3	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	Ag	Silver	3	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	Cd	Cadmium	3	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	Sn	Tin	3	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	Sb	Antimony	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Te	Tellurium	3	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Ba	Barium	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	La	Lanthanum	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Ta	Tantalum	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	W	Tungsten	3	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	Pb	Lead	3	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Bi	Bismuth	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
34	As	Arsenic	3	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

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Geochemical
Lab
Report

PORT: 095-40516.0 (COMPLETE)

REFERENCE:

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: T. GOODWIN

PROJECT: 3011

DATE PRINTED: 5-SEP-95

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
SOIL	3	-80	3	DRY, SIEVE -80	3

REPORT COPIES TO: MR. TERRY GOODWIN
BY FAX: T. GOODWIN
MR. ROHAN WILLIAMS

INVOICE TO: MR. TERRY GOODWIN

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Geochemical Lab Report

DATE PRINTED: 5-SEP-95

REPORT: 095-40516.0 (COMPLETE) PROJECT: 3011 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Al PCT	Fe Tot PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	Li PPM	Sc PPM	V PPM	Cr PPM
CS104197		0.31	6.21	2.58	860	0.62	1.12	1.42	1.24	30	7	59	70
CS104198		0.33	5.73	2.80	365	0.66	1.14	1.50	1.29	27	7	66	68
CS104199		0.36	5.74	2.80	308	0.52	1.19	1.55	1.06	19	7	69	62

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Geochemical Lab Report

DATE PRINTED: 5-SEP-95

EPORT: 095-40516.0 (COMPLETE) PROJECT: 3011 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Ni PPM	Cu PPM	Zn PPM	Ga PPM	Sr PPM	Y PPM	Zr PPM	Nb PPM	Mo PPM	Ag PPM	Cd PPM
CS104197		34	44	48	134	<10	202	18	105	7	4	0.6	<1
CS104198		14	41	13	68	14	190	8	98	7	5	<0.5	<1
CS104199		13	28	12	46	12	191	11	123	7	6	<0.5	<1

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REPORT: 095-40516.0 (COMPLETE) PROJECT: 3011 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sb PPM	Te PPM	Ba PPM	La PPM	Ta PPM	W PPM	Pb PPM	Bi PPM	As PPM
CS104197		<20	<5	<25	457	47	<5	<20	24	6	29
CS104198		<20	<5	<25	427	9	<5	<20	15	<5	14
CS104199		<20	<5	<25	385	13	<5	<20	8	<5	35

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REPORT: 095-40516.0 (COMPLETE) PROJECT: 3011 PAGE 2A

STANDARD NAME	ELEMENT UNITS	Ti PCT	Al PCT	Fe Tot PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	Li PPM	Sc PPM	V PPM	Cr PPM
BCC GEOCHEM STD 4		0.11	5.74	2.62	605	1.53	1.54	2.00	1.10	9	11	26	112
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.110	5.736	2.624	605.0	1.530	1.545	2.001	1.100	9.3	10.6	26.0	112.0
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		0.12	6.88	2.81	600	1.34	1.43	1.82	0.89	10	12	29	136
ANALYTICAL BLANK		<0.01	<0.01	<0.01	<5	<0.01	<0.01	0.01	<0.01	<2	<5	<2	<2
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.005	0.005	0.005	2.5	0.005	0.005	0.010	0.005	1.0	2.5	1.0	1.0
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		<0.01	<0.01	0.05	1	<0.01	<0.01	<0.01	<0.01	<1	<1	1	1

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Geochemical Lab Report

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REPORT: 095-40516.0 (COMPLETE) PROJECT: 3011 PAGE 2B

STANDARD NAME / ELEMENT UNITS	Co PPM	Ni PPM	Cu PPM	Zn PPM	Ga PPM	Sr PPM	Y PPM	Zr PPM	Nb PPM	Mo PPM	Ag PPM	Cd PPM
BCC GEOCHEM STD 4	12	43	262	258	<10	84	8	64	<5	5	0.5	<1
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	12.0	43.0	262.0	258.0	5.0	84.2	8.4	64.3	2.5	5.0	0.50	0.5
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	9	42	290	255	8	90	8	68	7	4	0.5	1
ANALYTICAL BLANK	<1	<1	<1	<2	<10	<1	<5	<5	<5	<1	<0.5	<1
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	0.5	0.5	0.5	1.0	5.0	0.5	2.5	2.5	2.5	0.5	0.25	0.5
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	1	1	1	1	<1	<1	<1	<1	<1	1	0.2	1

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DATE PRINTED: 5-SEP-95

REPORT: 095-40516.0 (COMPLETE) PROJECT: 3011 PAGE 2C

STANDARD NAME / ELEMENT / UNITS	Sn PPM	Sb PPM	Te PPM	Ba PPM	La PPM	Ta PPM	W PPM	Pb PPM	Bi PPM	As PPM
BCC GEOCHEM STD 4	<20	<5	<25	395	9	<5	<20	36	<5	31
Number of Analyses	1	1	1	1	1	1	1	1	1	1
Mean Value	10.0	2.5	12.5	394.6	9.0	2.5	10.0	36.0	2.5	31.0
Standard Deviation	-	-	-	-	-	-	-	-	-	-
Accepted Value	5	1	-	305	8	1	1	33	1	30
ANALYTICAL BLANK	<20	<5	<25	<5	<5	<5	<20	<2	<5	<5
Number of Analyses	1	1	1	1	1	1	1	1	1	1
Mean Value	10.0	2.5	12.5	2.5	2.5	2.5	10.0	1.0	2.5	2.5
Standard Deviation	-	-	-	-	-	-	-	-	-	-
Accepted Value	<1	5	<1	<1	<1	<1	<1	2	2	5

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APPENDIX V

Regional Tills

(<250 mesh)
Analytical Results

Bondar Clegg
Inchcape Testing Services

Geochemical
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Report

WMC INTERNATIONAL
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Geochemical
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Report

PORT: 095-40514.0 (COMPLETE)

REFERENCE: -

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: OVERBURDEN

PROJECT: 3011

DATE PRINTED: 5-SEP-95

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	38	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
2	Cu	Copper	38	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
3	Pb	Lead	38	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
4	Zn	Zinc	38	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
5	Mo	Molybdenum	38	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	Ni	Nickel	38	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Co	Cobalt	38	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	Cd	Cadmium	38	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Bi	Bismuth	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	As	Arsenic	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	Sb	Antimony	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Fe Tot	Total Iron	38	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	Mn	Manganese	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	Te	Tellurium	38	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Ba	Barium	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	Cr	Chrome	38	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	V	Vanadium	38	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Sn	Tin	38	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	W	Tungsten	38	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	La	Lanthanum	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	Al	Aluminum	38	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	Mg	Magnesium	38	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	Ca	Calcium	38	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	Na	Sodium	38	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	K	Potassium	38	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	Sr	Strontium	38	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Y	Yttrium	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Ga	Gallium	38	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	Li	Lithium	38	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Nb	Niobium	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	Sc	Scandium	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	Ta	Tantalum	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Ti	Titanium	38	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
34	Zr	Zirconium	38	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

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Bondar Clegg
Inchcape Testing Services

Geochemical
Lab
Report

REPORT: 095-40514.0 (COMPLETE)

REFERENCE: -

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: OVERBURDEN

PROJECT: 3011

DATE PRINTED: 5-SEP-95

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
TILL	38	-250	38	AS RECEIVED	38

REPORT COPIES TO: MR. TERRY GOODWIN
BY FAX: T. GOODWIN

INVOICE TO: MR. TERRY GOODWIN

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Geochemical Lab Report

DATE PRINTED: 5-SEP-95

RI ORT: 095-40514.0 (COMPLETE) PROJECT: 3011 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS 204111		<0.5	59	22	55	6	48	18	<1	<5	13	<5	2.85
CS 204112		<0.5	43	14	44	8	42	12	<1	<5	27	<5	2.57
CS 204113		<0.5	20	17	62	6	64	19	<1	<5	29	<5	3.80
CS 204114		<0.5	29	14	61	8	54	17	<1	<5	10	<5	3.23
CS 204115		<0.5	61	12	56	6	57	21	<1	<5	14	<5	3.13
S 204164		0.8	86	24	55	5	46	17	<1	<5	<5	<5	3.52
CS 204165		<0.5	86	32	65	5	56	21	<1	<5	16	<5	2.81
CS 204166		0.7	18	23	54	6	23	8	<1	<5	21	<5	2.69
S 204167		0.5	37	16	49	5	50	20	<1	<5	14	<5	3.55
CS 204168		<0.5	123	11	65	7	53	27	<1	<5	35	8	4.59
S 204169		0.8	22	17	49	5	35	12	<1	<5	<5	<5	2.59
S 204170		<0.5	22	19	48	5	43	12	<1	<5	40	<5	2.58
CS 204171		<0.5	69	18	40	4	46	14	<1	<5	<5	<5	2.06
CS 204172		<0.5	40	11	40	6	33	8	<1	<5	13	<5	1.92
S 204173		0.7	35	9	60	5	48	19	<1	<5	5	<5	3.69
CS 204174		<0.5	62	19	46	5	52	20	<1	<5	23	<5	3.44
S 204175		0.5	106	10	62	7	53	26	<1	<5	6	<5	4.57
S 204176		<0.5	105	14	64	7	50	25	<1	<5	14	<5	4.31
CS 204177		<0.5	28	17	36	15	55	13	<1	<5	<5	<5	2.30
S 204178		0.6	166	14	64	7	53	21	<1	<5	5	<5	3.75
CS 204179		<0.5	75	19	64	9	149	22	<1	<5	<5	<5	3.80
CS 204180		<0.5	88	19	58	8	65	25	<1	<5	6	<5	3.97
204181		0.7	58	14	69	8	42	14	<1	<5	10	<5	3.31
204182		<0.5	49	20	64	6	62	20	<1	<5	<5	<5	3.71
CS 204183		0.7	42	12	38	5	35	12	<1	<5	23	<5	2.56
204184		<0.5	179	26	78	8	70	28	<1	<5	42	<5	4.43
CS 204185		<0.5	98	16	71	10	66	24	<1	<5	20	<5	4.01
CS 204186		<0.5	64	15	68	7	53	21	<1	<5	45	<5	4.00
204187		0.6	58	17	61	6	54	21	<1	<5	<5	<5	3.54
CS 204188		<0.5	50	35	46	6	48	18	<1	<5	13	<5	2.94
204189		0.6	93	20	85	8	51	25	<1	<5	12	<5	4.79
204190		0.5	31	14	55	6	46	12	<1	<5	<5	<5	2.55
CS 204191		<0.5	50	17	53	6	46	14	<1	<5	8	<5	3.17
204192		<0.5	56	9	58	4	50	19	<1	<5	15	<5	3.23
204193		<0.5	52	19	55	6	48	18	<1	<5	19	<5	3.07
CS 204194		<0.5	36	14	45	4	43	12	<1	<5	6	<5	2.52
204195		<0.5	50	7	55	5	40	17	<1	<5	9	<5	3.61
CS 204196		<0.5	44	10	36	4	35	11	<1	<5	15	<5	2.31

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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS 204111		513	<25	426	62	78	<20	<20	16	7.45	1.46	2.81	2.31
CS 204112		397	<25	540	69	66	<20	<20	20	7.67	1.05	1.66	2.28
CS 204113		580	<25	634	103	80	<20	<20	15	8.22	1.66	1.35	2.05
CS 204114		492	<25	462	75	77	<20	<20	14	7.76	1.50	2.12	1.97
CS 204115		492	<25	466	75	79	<20	<20	19	8.14	1.61	2.20	2.16
CS 204164		593	<25	425	78	75	<20	<20	29	6.66	1.28	2.12	2.15
CS 204165		562	<25	488	74	56	<20	<20	35	6.80	1.22	1.75	2.21
CS 204166		338	<25	431	54	56	<20	<20	14	6.44	0.71	1.49	1.80
CS 204167		661	<25	442	76	70	<20	<20	28	6.87	1.47	2.62	2.13
CS 204168		788	<25	400	70	89	<20	<20	24	6.59	2.03	2.47	1.96
CS 204169		380	<25	426	64	53	<20	<20	21	6.28	0.78	1.50	1.96
CS 204170		382	<25	423	65	57	<20	<20	22	6.38	0.76	1.53	2.02
CS 204171		312	<25	514	58	51	<20	<20	18	7.23	0.78	1.64	2.32
CS 204172		321	<25	432	50	47	<20	<20	14	5.97	0.72	1.52	2.07
CS 204173		546	<25	454	69	79	<20	<20	13	6.88	1.43	1.92	1.92
CS 204174		468	<25	400	77	76	<20	<20	18	6.88	1.28	1.72	1.99
CS 204175		667	<25	384	70	109	<20	<20	13	7.61	1.90	3.03	2.06
CS 204176		606	<25	400	64	90	<20	<20	12	7.47	1.73	2.60	1.99
CS 204177		310	<25	320	106	44	<20	<20	15	5.11	0.57	1.23	1.73
CS 204178		589	<25	485	58	78	<20	<20	19	6.32	1.50	1.99	1.85
CS 204179		557	<25	430	83	77	<20	<20	21	6.57	1.44	1.93	1.92
CS 204180		611	<25	420	91	87	<20	<20	19	7.27	1.78	2.40	2.01
CS 204181		496	<25	500	67	66	<20	<20	28	6.87	1.20	1.71	2.06
CS 204182		516	<25	583	84	81	<20	<20	19	7.72	1.50	1.80	2.06
CS 204183		376	<25	403	53	54	<20	<20	22	5.99	0.76	1.39	1.94
CS 204184		723	<25	472	74	97	<20	<20	33	8.38	1.57	2.04	2.01
CS 204185		526	<25	402	70	75	<20	<20	15	8.62	1.74	1.99	1.91
CS 204186		630	<25	558	90	78	<20	<20	41	6.85	1.92	2.61	2.20
CS 204187		560	<25	476	83	63	<20	<20	26	6.45	1.77	1.78	1.93
CS 204188		514	<25	367	79	66	<20	<20	16	6.07	1.03	1.85	1.99
CS 204189		674	<25	517	84	90	<20	<20	23	6.64	1.80	2.38	1.90
CS 204190		366	<25	414	69	55	<20	<20	14	6.72	0.97	1.38	1.74
CS 204191		514	<25	429	75	65	<20	<20	27	6.64	1.07	1.54	1.76
CS 204192		553	<25	431	77	69	<20	<20	36	6.60	1.38	2.32	2.13
CS 204193		586	<25	477	76	66	<20	<20	30	7.09	1.26	1.57	2.04
CS 204194		386	<25	494	65	54	<20	<20	33	6.94	0.79	1.44	1.99
CS 204195		532	<25	395	75	81	<20	<20	18	5.89	1.25	1.67	1.71
CS 204196		400	<25	330	58	62	<20	<20	22	5.45	0.81	1.68	1.80

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SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CS 204111		1.19	284	11	17	18	6	12	<5	0.37	116
CS 204112		1.54	296	12	13	19	5	11	<5	0.34	141
CS 204113		1.82	234	9	20	27	8	12	<5	0.38	112
CS 204114		1.39	244	10	16	23	6	12	<5	0.35	106
CS 204115		1.28	263	11	16	22	6	12	<5	0.36	109
CS 204164		1.33	237	20	14	17	7	13	<5	0.40	140
CS 204165		1.65	291	14	13	18	6	9	<5	0.30	123
CS 204166		1.31	243	10	18	15	9	10	<5	0.44	154
CS 204167		1.26	266	18	13	16	7	14	<5	0.43	197
CS 204168		1.33	201	18	<10	21	6	15	<5	0.45	125
CS 204169		1.32	246	13	13	14	8	9	<5	0.32	147
CS 204170		1.34	255	13	11	14	6	9	<5	0.32	164
CS 204171		1.47	314	9	14	16	6	8	<5	0.31	124
CS 204172		1.31	277	10	<10	13	5	8	<5	0.28	136
CS 204173		1.48	209	16	<10	18	9	12	<5	0.36	173
CS 204174		1.16	217	13	12	16	6	12	<5	0.35	129
CS 204175		1.16	224	14	13	19	7	16	<5	0.45	94
CS 204176		1.22	220	12	15	21	5	15	<5	0.42	102
CS 204177		1.08	200	11	11	10	<5	8	<5	0.27	132
CS 204178		1.48	183	20	13	18	9	13	<5	0.34	158
CS 204179		1.29	192	19	14	18	8	12	<5	0.37	171
CS 204180		1.19	216	15	14	17	7	14	<5	0.38	121
CS 204181		1.55	237	21	11	22	10	11	<5	0.39	167
CS 204182		1.45	248	12	16	21	8	12	<5	0.37	121
CS 204183		1.28	222	14	<10	14	7	9	<5	0.32	174
CS 204184		1.34	225	20	13	23	7	16	<5	0.44	114
CS 204185		1.13	220	13	15	25	6	13	<5	0.39	108
CS 204186		1.48	310	19	13	19	7	14	<5	0.44	152
CS 204187		1.50	228	13	13	20	8	11	<5	0.37	140
CS 204188		1.17	219	13	12	12	6	10	<5	0.32	163
CS 204189		1.61	198	22	14	21	9	14	<5	0.46	232
CS 204190		1.39	208	9	13	21	7	9	<5	0.29	127
CS 204191		1.35	200	20	13	20	7	11	<5	0.35	147
CS 204192		1.27	281	15	12	16	5	12	<5	0.37	140
CS 204193		1.58	249	12	13	19	7	11	<5	0.33	116
CS 204194		1.58	267	13	14	20	9	9	<5	0.37	172
CS 204195		1.23	179	15	11	17	6	12	<5	0.39	127
CS 204196		1.10	215	12	12	10	<5	9	<5	0.27	117

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STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
BCC GEOCHEM STD 3		5.8	789	256	509	659	623	55	<1	6	275	52	5.43
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		5.82	788.7	256.0	509.0	659.5	623.0	55.0	0.5	6.0	275.0	52.0	5.430
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5.0	820	250	500	600	600	48	2	4	310	50	5.62
ANALYTICAL BLANK		<0.5	<1	<2	<2	<1	<1	<1	<1	<5	<5	<5	<0.01
ANALYTICAL BLANK		<0.5	<1	2	<2	<1	<1	<1	<1	<5	<5	<5	<0.01
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		0.25	0.5	1.5	1.0	0.5	0.5	0.5	0.5	2.5	2.5	2.5	0.005
Standard Deviation		<0.001	<0.01	0.71	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001
Accepted Value		0.2	1	2	1	1	1	1	1	2	5	5	0.05
BCC GEOCHEM STD 5		1.1	85	13	88	4	44	22	<1	<5	14	<5	4.59
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		1.10	84.6	13.0	88.0	4.0	44.0	22.0	0.5	2.5	14.0	2.5	4.589
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		0.7	90	11	80	2	40	18	<1	1	8	1	4.95

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STANDARD NAME	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
BCC GEOCHEM STD 3		973	<25	636	503	72	<20	<20	7	7.81	6.04	5.40	1.04
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		973.0	12.5	635.6	503.0	72.0	10.0	10.0	7.0	7.813	6.040	5.400	1.037
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1022	-	573	598	83	16	8	10	7.80	5.79	5.57	1.02
ANALYTICAL BLANK		<5	<25	5	<2	<2	<20	<20	<5	0.01	<0.01	<0.01	0.01
ANALYTICAL BLANK		<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	0.01
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		2.5	12.5	3.8	1.0	1.0	10.0	10.0	2.5	0.010	0.005	0.005	0.010
Standard Deviation		<0.01	<0.01	1.77	<0.01	<0.01	<0.01	<0.01	<0.01	0.0064	<0.0001	<0.0001	<0.0001
Accepted Value		1	<1	<1	1	1	<1	<1	<1	<0.01	<0.01	<0.01	<0.01
BCC GEOCHEM STD 5		770	<25	646	84	163	<20	<20	7	6.78	2.10	1.93	1.78
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		770.0	12.5	646.0	84.0	163.0	10.0	10.0	7.0	6.784	2.100	1.930	1.780
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		790	-	800	100	175	4	2	10	8.30	1.90	1.85	1.82

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STANDARD NAME	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
BCC GEOCHEM STD 3		0.92	166	9	<10	21	7	11	<5	0.16	30
Number of Analyses		1	1	1	1	1	1	1	1	1	1
Mean Value		0.920	166.4	8.5	5.0	20.7	6.7	11.2	2.5	0.155	30.3
Standard Deviation		-	-	-	-	-	-	-	-	-	-
Accepted Value		0.90	171	13	7	21	12	12	1	0.15	45
ANALYTICAL BLANK		<0.01	<1	<5	<10	<2	<5	<5	<5	<0.01	<5
ANALYTICAL BLANK		<0.01	<1	<5	<10	<2	<5	<5	<5	<0.01	<5
Number of Analyses		2	2	2	2	2	2	2	2	2	2
Mean Value		0.005	0.5	2.5	5.0	1.0	2.5	2.5	2.5	0.005	2.5
Standard Deviation		<0.0001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.01
Accepted Value		<0.01	<1	<1	<1	<1	<1	<1	<1	<0.01	<1
BCC GEOCHEM STD 5		0.95	263	11	12	27	6	17	<5	0.48	49
Number of Analyses		1	1	1	1	1	1	1	1	1	1
Mean Value		0.950	262.6	11.3	12.1	27.3	5.9	17.5	2.5	0.482	48.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-
Accepted Value		1.00	265	13	4	32	17	18	1	0.51	60

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DATE PRINTED: 5-SEP-95
PROJECT: 3011

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS 204115		<0.5	61	12	56	6	57	21	<1	<5	14	<5	3.13
Duplicate		<0.5	53	9	54	5	52	19	<1	<5	18	<5	2.94
CS 04180		<0.5	88	19	58	8	65	25	<1	<5	6	<5	3.97
Duplicate		<0.5	82	15	58	7	63	24	<1	<5	10	<5	3.83

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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS 204115		492	<25	466	75	79	<20	<20	19	8.14	1.61	2.20	2.16
Duplicate		466	<25	416	67	63	<20	<20	17	7.65	1.50	2.08	2.00
CS 204180		611	<25	420	91	87	<20	<20	19	7.27	1.78	2.40	2.01
Duplicate		590	<25	374	87	68	<20	<20	18	6.97	1.73	2.35	1.87

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SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CS 204115		1.28	263	11	16	22	6	12	<5	0.36	109
Duplicate		1.21	247	10	13	21	5	12	<5	0.34	107
CS 204180		1.19	216	15	14	17	7	14	<5	0.38	121
Duplicate		1.13	205	14	12	16	6	13	<5	0.36	117

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APPENDIX VI

Regional Tills

(HMC)
Analytical Results

Bondar Clegg
Inchcape Testing Services

Geochemical
Lab
Report

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Geochemical Lab Report

REPORT: 095-40449.0 (COMPLETE)

REFERENCE:

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: OVERBURDE

PROJECT: 3014

DATE PRINTED: 21-AUG-95

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	59	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
2	Cu	Copper	59	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
3	Pb	Lead	59	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
4	Zn	Zinc	59	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
5	Mo	Molybdenum	59	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	Ni	Nickel	59	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Co	Cobalt	59	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	Cd	Cadmium	59	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Bi	Bismuth	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	As	Arsenic	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	Sb	Antimony	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Fe Tot	Total Iron	59	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	Mn	Manganese	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	Te	Tellurium	59	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Ba	Barium	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	Cr	Chrome	59	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	V	Vanadium	59	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Sn	Tin	59	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	W	Tungsten	59	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	La	Lanthanum	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	Al	Aluminum	59	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	Mg	Magnesium	59	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	Ca	Calcium	59	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	Na	Sodium	59	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	K	Potassium	59	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	Sr	Strontium	59	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Y	Yttrium	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Ga	Gallium	59	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	Li	Lithium	59	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Nb	Niobium	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	Sc	Scandium	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	Ta	Tantalum	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Ti	Titanium	59	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
34	Zr	Zirconium	59	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

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Bondar Clegg
Inchcape Testing Services

Geochemical
Lab
Report

REPORT: 095-40449.0 (COMPLETE)

REFERENCE:

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: OVERBURDE

PROJECT: 3014

DATE PRINTED: 21-AUG-95

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
STREAM SED, SILT	59	AS RECEIVED	59	AS RECEIVED	59

REPORT COPIES TO: MR. TERRY GOODWIN
BY FAX: T. GOODWIN

INVOICE TO: MR. TERRY GOODWIN

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS 204101		<0.5	87	15	78	3	60	24	<1	6	<5	<5	3.94
CS 204102		<0.5	72	17	48	3	45	20	<1	<5	5	<5	2.76
CS 204103		<0.5	48	11	40	3	35	16	<1	<5	<5	<5	2.52
CS 204104		<0.5	35	19	52	3	51	22	<1	<5	<5	<5	3.29
CS 204105		<0.5	52	9	55	3	41	24	<1	<5	<5	<5	3.70
CS 204106		<0.5	67	18	62	5	41	18	<1	<5	<5	<5	2.67
CS 204107		<0.5	148	13	81	5	62	29	<1	<5	<5	<5	4.57
CS 204108		<0.5	30	17	48	4	34	15	<1	<5	<5	<5	2.32
CS 204109		<0.5	47	10	42	4	39	17	<1	<5	<5	<5	2.33
CS 204110		<0.5	31	14	48	4	51	17	<1	<5	<5	<5	2.72
CS 204116		<0.5	22	17	55	3	43	16	<1	<5	<5	<5	1.89
CS 204117		<0.5	17	18	51	5	44	15	<1	<5	<5	<5	2.55
CS 204118		<0.5	50	9	58	4	42	26	<1	<5	<5	<5	3.66
CS 204119		<0.5	48	32	60	3	53	21	<1	<5	<5	<5	2.94
CS 204120		<0.5	109	20	79	5	56	27	<1	<5	<5	<5	2.84
CS 204121		<0.5	122	13	64	25	126	30	<1	<5	<5	<5	3.65
CS 204122		0.6	57	11	57	6	59	21	<1	<5	<5	<5	2.68
CS 204123		<0.5	60	10	45	6	47	20	<1	<5	<5	<5	2.93
CS 204124		<0.5	37	16	41	6	37	13	<1	<5	<5	<5	2.20
CS 204125		<0.5	40	16	31	3	32	11	<1	<5	<5	<5	1.74
CS 204126		<0.5	30	24	30	2	32	12	<1	<5	<5	<5	1.88
CS 204127		<0.5	28	16	36	2	41	17	<1	<5	<5	<5	2.02
S 204128		<0.5	40	21	46	3	38	15	<1	<5	<5	<5	2.07
S 204129		<0.5	24	23	43	7	41	14	<1	<5	<5	<5	2.34
CS 204130		<0.5	110	20	43	3	73	19	<1	<5	<5	<5	2.58
S 204131		<0.5	46	15	74	2	72	25	<1	<5	<5	<5	3.52
CS 204132		<0.5	37	21	41	3	46	16	<1	<5	<5	<5	2.35
CS 204133		<0.5	20	18	32	3	32	13	<1	<5	5	<5	2.09
S 204134		<0.5	51	35	51	5	33	14	<1	<5	<5	<5	2.27
CS 204135		<0.5	24	27	35	4	33	11	<1	<5	<5	<5	1.84
S 204136		<0.5	45	16	37	1	41	15	<1	<5	<5	<5	2.26
S 204137		<0.5	40	18	37	3	41	15	<1	<5	<5	<5	2.22
CS 204138		<0.5	30	23	49	4	38	15	<1	<5	<5	<5	2.57
CS 204139		0.5	25	20	43	4	30	11	<1	<5	<5	<5	1.90
S 204140		<0.5	35	8	63	2	40	17	<1	<5	<5	<5	2.68
CS 204141		<0.5	18	20	46	7	29	13	<1	<5	7	<5	2.27
S 204142		<0.5	22	11	48	3	42	11	<1	<5	<5	<5	1.90
CS 204143		<0.5	20	10	45	5	34	14	<1	<5	<5	<5	2.33
CS 204144		<0.5	51	8	53	3	50	24	<1	<5	<5	<5	3.20
S 204145		<0.5	33	12	81	3	44	25	<1	<5	<5	<5	2.79

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS 204101		689	<25	361	88	93	<20	<20	23	4.69	1.64	1.05	1.56
CS 204102		438	<25	256	61	70	<20	<20	13	4.46	1.06	1.48	1.47
CS 204103		529	<25	302	62	74	<20	<20	15	4.07	0.93	1.93	1.97
CS 204104		485	<25	293	96	75	<20	<20	13	4.62	1.19	1.27	1.44
CS 204105		750	<25	238	70	108	<20	<20	11	5.42	1.64	3.31	1.73
CS 204106		464	<25	331	70	72	<20	<20	12	5.19	0.88	1.48	1.62
CS 204107		890	<25	316	95	118	<20	<20	21	6.11	2.33	2.85	1.72
CS 204108		416	<25	276	68	63	<20	<20	13	5.52	0.68	1.41	1.70
CS 204109		379	<25	195	47	79	<20	<20	12	5.65	0.88	1.70	1.12
CS 204110		445	<25	372	81	69	<20	<20	13	5.73	0.84	1.57	1.94
CS 204116		327	<25	311	71	55	<20	<20	11	3.31	0.89	0.96	1.54
CS 204117		417	<25	372	76	70	<20	<20	12	4.55	0.99	0.80	1.66
CS 204118		755	<25	274	78	107	<20	<20	12	5.23	1.61	3.08	1.90
CS 204119		546	<25	330	79	78	<20	<20	14	5.39	1.18	1.63	1.61
CS 204120		517	<25	292	79	69	<20	<20	16	5.49	0.93	1.14	1.55
CS 204121		809	<25	318	160	92	<20	<20	18	6.66	1.99	2.64	1.90
CS 204122		478	<25	320	88	70	<20	<20	18	5.78	1.26	1.50	1.72
CS 204123		546	<25	317	74	85	<20	<20	11	6.08	1.51	2.33	1.84
CS 204124		441	<25	375	75	65	<20	<20	28	5.14	0.89	1.58	2.15
CS 204125		329	<25	344	68	54	<20	<20	12	3.21	0.66	1.10	1.97
CS 204126		365	<25	343	62	56	<20	<20	14	3.54	0.69	1.23	1.93
CS 204127		399	<25	357	71	61	<20	<20	15	4.34	0.83	1.45	2.06
CS 204128		399	<25	351	59	57	<20	<20	19	4.78	0.82	1.41	1.93
CS 204129		429	<25	333	85	66	<20	<20	14	4.77	0.99	1.27	1.86
CS 204130		445	<25	285	77	67	<20	<20	15	4.92	1.16	1.37	1.68
CS 204131		659	<25	455	87	76	<20	<20	28	5.80	1.72	1.06	1.52
CS 204132		373	<25	332	78	67	<20	<20	17	5.44	1.10	1.44	1.67
CS 204133		339	<25	279	63	61	<20	<20	10	4.66	0.62	1.08	1.58
CS 204134		447	<25	348	71	63	<20	<20	26	5.13	0.78	1.55	1.87
CS 204135		375	<25	308	66	58	<20	<20	11	3.39	0.67	1.32	1.96
CS 204136		415	<25	290	74	64	<20	<20	20	3.89	1.03	1.61	1.84
CS 204137		484	<25	310	69	66	<20	<20	14	4.23	0.92	1.85	2.14
CS 204138		419	<25	371	75	66	<20	<20	17	4.63	0.81	1.10	1.73
CS 204139		356	<25	278	57	56	<20	<20	21	4.84	0.67	1.06	1.51
CS 204140		427	<25	367	70	68	<20	<20	16	5.54	0.93	1.41	1.93
CS 204141		394	<25	284	66	56	<20	<20	11	4.76	0.52	1.02	1.56
S 204142		343	<25	274	81	54	<20	<20	10	5.36	0.83	1.33	1.70
S 204143		364	<25	345	67	67	<20	<20	15	6.30	0.91	1.57	1.92
CS 204144		509	<25	333	85	79	<20	<20	14	5.98	1.14	1.60	1.81
S 204145		796	<25	405	73	76	<20	<20	18	6.83	1.06	1.45	1.87

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
LS 204101		1.02	152	9	<10	26	5	8	<5	0.31	76
CS 204102		0.82	150	6	10	15	<5	6	<5	0.24	55
S 204103		0.99	207	8	<10	11	<5	7	<5	0.28	71
S 204104		0.94	162	7	<10	22	<5	7	<5	0.25	66
CS 204105		0.84	192	8	<10	11	<5	9	<5	0.31	64
S 204106		1.00	207	6	<10	15	<5	6	<5	0.27	77
CS 204107		0.87	186	10	<10	21	<5	12	<5	0.34	62
CS 204108		0.76	206	7	<10	13	<5	6	<5	0.25	86
S 204109		0.60	128	6	<10	13	<5	6	<5	0.24	47
S 204110		1.13	254	7	<10	14	<5	7	<5	0.27	95
CS 204116		0.79	168	<5	<10	18	<5	<5	<5	0.22	62
S 204117		1.04	184	<5	12	19	<5	5	<5	0.27	80
CS 204118		0.92	203	7	<10	14	<5	9	<5	0.31	67
CS 204119		0.95	185	7	13	17	<5	7	<5	0.26	69
204120		0.85	199	7	<10	21	<5	6	<5	0.27	77
CS 204121		1.03	239	11	<10	20	<5	10	<5	0.30	73
204122		0.96	221	8	<10	19	<5	7	<5	0.27	71
204123		1.01	215	6	<10	15	<5	9	<5	0.27	69
CS 204124		1.22	269	10	<10	14	<5	7	<5	0.28	94
CS 204125		1.15	210	6	<10	11	<5	<5	<5	0.24	87
CS 204126		1.11	220	6	<10	11	<5	<5	<5	0.25	96
CS 204127		1.10	246	7	11	16	<5	6	<5	0.28	86
204128		1.14	248	8	<10	20	<5	6	<5	0.26	86
204129		1.03	209	6	<10	17	<5	6	<5	0.25	79
CS 204130		1.01	185	8	<10	15	<5	7	<5	0.23	71
204131		0.86	200	10	11	29	8	6	<5	0.35	71
CS 204132		1.11	219	7	<10	17	<5	7	<5	0.27	97
CS 204133		0.94	179	6	<10	12	<5	6	<5	0.25	95
204134		0.92	244	10	<10	16	<5	7	<5	0.27	107
CS 204135		0.95	207	5	<10	10	<5	<5	<5	0.26	88
204136		0.87	214	9	<10	13	<5	6	<5	0.25	78
204137		0.92	245	7	<10	10	<5	6	<5	0.26	91
CS 204138		1.16	195	8	10	15	<5	6	<5	0.28	90
CS 204139		0.95	170	7	<10	14	<5	6	<5	0.23	84
204140		1.10	238	8	12	17	6	6	<5	0.27	90
CS 204141		0.98	183	6	<10	14	<5	6	<5	0.22	86
204142		0.93	195	7	<10	14	<5	7	<5	0.25	115
204143		1.06	249	8	12	18	6	8	<5	0.30	92
CS 204144		0.94	198	10	<10	16	<5	8	<5	0.29	82
204145		1.34	236	8	<10	25	6	8	<5	0.30	92

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS 204146		<0.5	35	12	39	3	35	12	<1	<5	11	<5	2.01
CS 204147		0.5	41	8	67	3	50	15	<1	<5	12	<5	2.85
CS 204148		<0.5	26	11	41	2	32	13	<1	<5	7	<5	2.10
CS 204149		<0.5	26	7	48	3	42	20	<1	<5	<5	<5	2.93
CS 204150		<0.5	25	9	47	3	30	13	<1	<5	<5	<5	2.13
CS 204151		<0.5	21	13	46	4	32	13	<1	<5	<5	<5	2.07
CS 204152		<0.5	54	14	60	4	66	26	<1	<5	<5	<5	3.17
CS 204153		<0.5	54	3	51	2	74	24	<1	<5	<5	<5	2.76
CS 204154		<0.5	30	13	51	4	31	17	<1	<5	<5	<5	2.67
CS 204155		<0.5	24	8	48	2	36	15	<1	<5	<5	<5	2.16
CS 204156		0.6	39	6	49	3	50	20	<1	<5	10	5	2.94
CS 204157A		<0.5	73	9	59	4	46	23	<1	<5	13	<5	3.38
CS 204157B		<0.5	65	8	51	5	43	21	<1	<5	<5	<5	3.17
CS 204158		<0.5	39	6	45	3	44	17	<1	<5	<5	<5	2.73
CS 204159		<0.5	98	4	74	5	63	35	<1	<5	<5	<5	4.77
CS 204160		<0.5	100	10	98	6	68	37	<1	<5	<5	<5	4.98
CS 204161		<0.5	92	13	57	5	42	24	<1	<5	<5	<5	3.67
CS 204162		<0.5	40	8	61	4	42	18	<1	<5	<5	<5	3.00
CS 204163		<0.5	33	4	45	3	41	16	<1	<5	<5	<5	2.72

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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS 204146		273	<25	314	54	60	<20	<20	16	5.68	0.46	1.14	1.66
CS 204147		388	<25	391	65	60	<20	<20	15	6.22	0.69	0.89	1.41
CS 204148		339	<25	313	57	58	<20	<20	15	5.83	0.84	1.39	1.72
CS 204149		428	<25	329	76	70	<20	<20	14	6.47	1.05	1.68	1.73
CS 204150		367	<25	340	63	57	<20	<20	18	5.89	0.68	1.36	1.72
CS 204151		369	<25	349	59	56	<20	<20	19	5.96	0.69	1.48	1.80
CS 204152		533	<25	270	80	70	<20	<20	14	5.39	1.31	1.75	1.50
CS 204153		445	<25	246	63	64	<20	<20	14	6.65	1.84	1.98	1.45
CS 204154		317	<25	358	61	72	<20	<20	12	6.24	0.62	1.27	1.57
CS 204155		483	<25	337	64	58	<20	<20	13	5.77	0.85	1.47	1.69
CS 204156		465	<25	280	111	70	<20	<20	16	6.11	1.11	1.68	1.66
CS 204157A		625	<25	314	76	88	<20	<20	19	7.04	1.62	2.63	1.91
CS 204157B		580	<25	294	71	83	<20	<20	22	6.83	1.53	2.73	2.00
CS 204158		437	<25	296	70	67	<20	<20	22	6.44	1.11	1.88	1.77
CS 204159		770	<25	316	83	115	<20	<20	16	7.37	2.17	2.76	1.81
CS 204160		775	<25	290	78	121	<20	<20	13	6.82	2.00	2.67	1.56
CS 204161		518	<25	311	64	90	<20	<20	17	6.19	1.43	1.98	1.74
CS 204162		448	<25	365	79	71	<20	<20	21	6.55	1.09	1.32	1.67
CS 204163		450	<25	351	71	68	<20	<20	16	6.22	1.06	1.20	1.63

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PORT: 095-40449.0 (COMPLETE) PROJECT: 3014 PAGE 2C

SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CS 204146		0.97	212	9	11	23	<5	6	<5	0.23	94
CS 204147		1.08	175	6	13	17	5	6	<5	0.26	85
CS 204148		0.77	208	7	10	14	<5	7	<5	0.25	102
CS 204149		0.75	219	8	11	15	<5	8	<5	0.28	86
CS 204150		0.90	230	9	<10	16	5	7	<5	0.24	90
CS 204151		0.84	252	9	<10	18	<5	7	<5	0.25	102
CS 204152		0.86	164	9	<10	15	<5	8	<5	0.26	76
CS 204153		0.84	169	8	<10	16	<5	8	11	0.25	68
CS 204154		1.06	206	8	12	20	5	7	<5	0.29	97
CS 204155		1.03	221	8	10	15	<5	7	<5	0.27	99
CS 204156		0.91	195	10	<10	12	<5	8	<5	0.27	89
CS 204157A		1.03	224	10	<10	14	<5	11	<5	0.29	88
CS 204157B		0.66	239	12	<10	13	<5	11	<5	0.28	80
CS 204158		0.75	225	11	10	13	<5	8	<5	0.26	77
CS 204159		0.83	195	13	<10	18	<5	14	<5	0.41	87
CS 204160		0.98	165	11	<10	17	5	13	<5	0.42	82
CS 204161		0.87	203	11	<10	14	<5	10	<5	0.33	89
CS 204162		1.14	190	11	11	17	6	8	<5	0.28	105
CS 204163		0.85	198	8	<10	19	5	8	<5	0.29	111

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Geochemical Lab Report

DATE PRINTED: 21-AUG-95

REPORT: 095-40449.0 (COMPLETE) PROJECT: 3014 PAGE 3A

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
BCC GEOCHEM STD 4		0.7	273	38	237	5	45	11	<1	<5	32	<5	2.42
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.71	273.0	38.0	237.0	5.0	45.0	11.0	0.5	2.5	32.0	2.5	2.420
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		0.5	290	33	255	4	42	9	1	1	30	1	2.81
ANALYTICAL BLANK		<0.5	1	<2	2	<1	<1	<1	<1	<5	<5	<5	<0.01
ANALYTICAL BLANK		<0.5	<1	<2	<2	<1	<1	<1	<1	<5	<5	<5	<0.01
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		0.25	0.8	1.0	1.5	0.5	0.5	0.5	0.5	2.5	2.5	2.5	0.005
Standard Deviation		<0.001	0.35	<0.01	0.71	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001
Accepted Value		0.2	1	2	1	1	1	1	1	2	5	5	0.05
BCC GEOCHEM STD 3		5.2	789	223	508	590	587	55	3	<5	298	53	5.68
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		5.21	789.0	223.0	508.0	590.1	587.0	55.5	2.6	2.5	298.0	53.0	5.680
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5.0	820	250	500	600	600	48	2	4	310	50	5.62

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Geochemical Lab Report

DATE PRINTED: 21-AUG-95

EPORT: 095-40449.0 (COMPLETE) PROJECT: 3014 PAGE 3B

STANDARD NAME	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CC GEOCHEM STD 4		577	<25	312	110	25	<20	<20	11	4.68	1.41	1.26	1.78
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
ean Value		576.6	12.5	312.0	110.0	25.0	10.0	10.0	11.0	4.680	1.409	1.260	1.778
tandard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		600	-	305	136	29	5	1	8	6.88	1.34	1.43	1.82
IALYTICAL BLANK		<5	<25	<5	<2	<2	<20	<20	<5	<0.01	<0.01	<0.01	0.03
ANALYTICAL BLANK		<5	<25	<5	2	<2	<20	<20	<5	0.01	<0.01	0.01	<0.01
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2	2
ean Value		2.5	12.5	2.5	1.5	1.0	10.0	10.0	2.5	0.009	0.005	0.007	0.019
tandard Deviation		<0.01	<0.01	<0.01	0.71	<0.01	<0.01	<0.01	<0.01	0.0052	<0.0001	0.0035	0.0193
cepted Value		1	<1	<1	1	1	<1	<1	<1	<0.01	<0.01	<0.01	<0.01
BCC GEOCHEM STD 3		1032	<25	471	517	75	<20	<20	10	7.74	5.96	5.56	0.87
mber of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
an Value		1032.0	12.5	471.2	516.9	75.0	10.0	10.0	10.0	7.740	5.960	5.562	0.373
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
ccepted Value		1022	-	573	598	83	16	8	10	7.80	5.79	5.57	1.02

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Geochemical Lab Report

DATE PRINTED: 21-AUG-95

EPORT: 095-40449.0 (COMPLETE) PROJECT: 3014 PAGE 3C

STANDARD NAME	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CC GEOCHEM STD 4		1.03	73	6	<10	8	<5	8	<5	0.08	47
Number of Analyses		1	1	1	1	1	1	1	1	1	1
ean Value		1.030	73.0	5.6	5.0	8.4	2.5	8.4	2.5	0.080	47.2
tandard Deviation		-	-	-	-	-	-	-	-	-	-
Accepted Value		0.89	90	8	8	10	7	12	1	0.12	68
NALYTICAL BLANK		<0.01	<1	<5	<10	<2	<5	<5	<5	<0.01	<5
ANALYTICAL BLANK		0.03	<1	<5	<10	<2	<5	<5	<5	<0.01	<5
Number of Analyses		2	2	2	2	2	2	2	2	2	2
ean Value		0.019	0.5	2.5	5.0	1.0	2.5	2.5	2.5	0.005	2.5
tandard Deviation		0.0193	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.01
cepted Value		<0.01	<1	<1	<1	<1	<1	<1	<1	<0.01	<1
BCC GEOCHEM STD 3		0.81	160	8	<10	20	5	9	<5	0.13	19
mber of Analyses		1	1	1	1	1	1	1	1	1	1
an Value		0.810	160.2	7.6	5.0	19.8	5.4	9.2	2.5	0.133	19.4
Standard Deviation		-	-	-	-	-	-	-	-	-	-
cepted Value		0.90	171	13	7	21	12	12	1	0.15	45

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Geochemical Lab Report

DATE PRINTED: 21-AUG-95

R ORT: 095-40449.0 (COMPLETE) PROJECT: 3014 PAGE 4A

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT
CS 204110		<0.5	31	14	48	4	51	17	<1	<5	<5	<5	2.72
Duplicate		<0.5	32	19	53	3	50	17	<1	<5	<5	<5	2.74
CS 204132		<0.5	37	21	41	3	46	16	<1	<5	<5	<5	2.35
Duplicate		<0.5	41	17	47	5	49	20	<1	<5	<5	<5	2.84
CS 204152		<0.5	54	14	60	4	66	26	<1	<5	<5	<5	3.17
Duplicate		<0.5	54	12	58	4	63	27	<1	<5	<5	<5	3.37

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Geochemical Lab Report

DATE PRINTED: 21-AUG-95

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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
CS 204110		445	<25	372	81	69	<20	<20	13	5.73	0.84	1.57	1.94
Duplicate		442	<25	369	74	70	<20	<20	10	5.46	0.84	1.49	1.98
CS 204132		373	<25	332	78	67	<20	<20	17	5.44	1.10	1.44	1.67
Duplicate		433	<25	354	87	76	<20	<20	19	5.95	1.30	1.56	1.90
CS 204152		533	<25	270	80	70	<20	<20	14	5.39	1.31	1.75	1.50
Duplicate		571	<25	270	80	74	<20	<20	16	6.41	1.37	1.91	1.50

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REPORT: 095-40449.0 (COMPLETE)

DATE PRINTED: 21-AUG-95
PROJECT: 3014

SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CS 204110		1.13	254	7	<10	14	<5	7	<5	0.27	95
Duplicate		1.10	247	7	<10	14	6	6	<5	0.28	96
CS 204132		1.11	219	7	<10	17	<5	7	<5	0.27	97
Duplicate		0.93	243	8	12	20	6	8	<5	0.30	109
CS 204152		0.86	164	9	<10	15	<5	8	<5	0.26	76
Duplicate		0.73	180	10	<10	15	<5	8	<5	0.26	76

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WMC INTERNATIONAL
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Geochemical Lab Report

REPORT: 095-40587.0 (COMPLETE) REFERENCE: -

CLIENT: WMC INTERNATIONAL SUBMITTED BY: OVERBURDEN
PROJECT: 3011 DATE PRINTED: 16-OCT-95

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	AU	GOLD FIRE ASSAY	94	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
2	PT	PLATINUM	94	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP
3	PD	PALLADIUM	94	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
4	Au Wt1	Test Weight	94	0.01 GM	FIRE ASSAY	FIRE ASSAY-AA
5	Ag	Silver	100	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	Cu	Copper	100	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Pb	Lead	100	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	Zn	Zinc	100	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Mo	Molybdenum	100	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	Ni	Nickel	100	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	Co	Cobalt	100	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Cd	Cadmium	100	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	Bi	Bismuth	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	As	Arsenic	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Sb	Antimony	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	Fe Tot	Total Iron	100	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	Mn	Manganese	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Te	Tellurium	100	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	Ba	Barium	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	Cr	Chrome	100	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	V	Vanadium	100	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	Sn	Tin	100	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	W	Tungsten	100	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	La	Lanthanum	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	Al	Aluminum	100	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	Mg	Magnesium	100	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Ca	Calcium	100	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Na	Sodium	100	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	K	Potassium	100	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Sr	Strontium	100	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	Y	Yttrium	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	Ga	Gallium	100	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Li	Lithium	100	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
34	Nb	Niobium	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
35	Sc	Scandium	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
36	Ta	Tantalum	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
37	Ti	Titanium	100	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

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REPORT: 095-40587.0 (COMPLETE) REFERENCE: -

CLIENT: WMC INTERNATIONAL SUBMITTED BY: OVERBURDEN
PROJECT: 3011 DATE PRINTED: 16-OCT-95

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
38	Zr	Zirconium	100	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
CONCENTRATE	100	-150	100	CERAMIC PULVERIZE	100

REMARKS: IS indicates Insufficient Sample

REPORT COPIES TO: MR. TERRY GOODWIN
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Geochemical Lab Report

DATE PRINTED: 16-OCT-95

REPORT: 095-40587.0 (COMPLETE) PROJECT: 3011 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
CS-204101		<8	<40	<8	4.90	1.4	23	28	116	9	71	65	<1
CS-204102		181	124	16	14.90	0.8	25	20	99	9	53	50	<1
CS-204103		300	11	7	30.00	1.2	23	16	116	8	76	57	<1
CS-204104		904	7	5	11.94	0.9	15	22	108	12	69	65	<1
CS-204105		36	16	10	30.00	<0.5	16	4	129	9	56	58	<1
CS-204106		236	25	9	15.18	<0.5	24	12	124	7	47	56	<1
CS-204107		16	12	7	30.00	<0.5	29	12	133	9	70	62	<1
CS-204108		271	9	5	27.58	1.2	18	21	109	9	56	55	<1
CS-204109		45	46	16	25.87	<0.5	18	8	81	9	25	47	<1
CS-204110		133	<30	<6	5.53	1.5	15	28	91	10	35	49	<1
CS-204111		14	23	5	27.62	0.6	8	13	105	11	46	48	<1
CS-204112		840	<15	3	10.04	1.6	11	13	86	9	31	38	<1
CS-204113		IS	IS	IS		0.9	6	12	117	8	57	54	<1
CS-204114		15	13	7	30.00	<0.5	9	4	107	10	62	48	<1
CS-204115		131	15	5	11.36	1.0	15	13	102	7	41	47	<1
CS-204116		IS	IS	IS		0.9	8	15	100	8	59	50	<1
CS-204117		IS	IS	IS		0.8	6	7	115	11	61	51	<1
CS-204118		82	19	9	30.00	<0.5	18	7	124	9	57	54	<1
CS-204119		46	10	9	27.23	0.6	17	14	113	9	63	52	<1
CS-204120		140	<40	<8	4.88	<0.5	45	30	124	14	104	97	<1
CS-204121		18	15	11	30.00	<0.5	29	9	131	11	121	70	<1
CS-204122		4	5	1	30.00	<0.5	26	26	137	11	90	64	<1
CS-204123		689	17	13	30.00	<0.5	19	7	124	10	67	63	<1
CS-204124		187	59	46	16.55	2.6	16	34	141	12	59	52	<1
CS-204125		355	<15	<3	9.87	2.6	21	42	142	12	61	53	<1
CS-204126		142	<15	3	9.48	3.3	18	45	115	12	50	52	<1
CS-204127		237	<15	8	10.74	2.4	13	42	120	12	58	54	<1
CS-204128		80	<5	3	18.16	0.7	13	25	150	14	86	86	<1
CS-204129		23	<30	6	5.17	1.8	6	22	117	11	157	62	<1
CS-204130		IS	IS	IS		1.4	47	28	101	10	72	62	<1
CS-204131		2	<5	<1	30.00	1.4	36	26	243	19	169	150	<1
CS-204132		461	<5	8	25.78	2.5	15	33	134	11	64	63	<1
CS-204133		272	<10	<2	13.53	7.0	14	29	111	15	67	62	<1
CS-204134		69	<5	2	29.49	1.7	22	23	137	14	89	68	<1
CS-204135		88	<5	16	30.00	2.4	16	27	124	10	85	55	<1
CS-204136		110	<5	2	25.67	1.3	24	15	118	11	107	64	<1
CS-204137		251	13	4	30.00	1.7	31	15	102	11	134	64	<1
CS-204138		485	<10	2	14.22	1.3	15	31	114	13	68	56	<1
CS-204139		180	<20	<4	7.43	2.0	17	24	104	13	82	59	<1
CS-204140		39	<5	6	23.03	1.2	20	26	121	15	79	65	<1

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SAMPLE NUMBER	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM
CS-204101		<5	<5	<5	>10.00	3303	<25	62	197	344	<20	<20	54
CS-204102		<5	<5	<5	>10.00	2695	<25	55	241	312	<20	<20	44
CS-204103		<5	<5	<5	>10.00	2655	<25	47	240	321	<20	<20	46
CS-204104		<5	<5	<5	>10.00	3326	<25	45	256	361	<20	<20	56
CS-204105		<5	<5	<5	>10.00	2262	<25	61	90	342	<20	<20	18
CS-204106		<5	23	<5	>10.00	2498	<25	76	164	346	<20	<20	32
CS-204107		<5	<5	<5	>10.00	2386	<25	77	195	354	<20	<20	30
CS-204108		<5	6	<5	>10.00	3587	<25	43	371	340	<20	<20	58
CS-204109		<5	20	<5	>10.00	3745	<25	41	76	386	<20	<20	18
CS-204110		<5	<5	<5	>10.00	3316	<25	59	179	389	20	<20	84
CS-204111		<5	8	<5	>10.00	2343	<25	90	99	307	<20	<20	25
CS-204112		<5	<5	<5	9.91	3028	<25	60	149	285	<20	<20	47
CS-204113		<5	8	<5	>10.00	2382	<25	72	147	317	<20	<20	31
CS-204114		<5	31	<5	9.70	2122	<25	90	152	283	<20	<20	22
CS-204115		<5	15	<5	>10.00	3346	<25	49	386	311	<20	<20	44
CS-204116		<5	12	<5	>10.00	3486	<25	49	238	259	<20	<20	39
CS-204117		<5	<5	<5	>10.00	2666	<25	72	220	309	<20	<20	51
CS-204118		<5	<5	<5	>10.00	2142	<25	65	134	320	<20	<20	27
CS-204119		<5	8	<5	>10.00	2699	<25	68	233	313	<20	<20	38
CS-204120		<5	5	<5	>10.00	3653	<25	66	298	367	<20	<20	74
CS-204121		<5	30	<5	>10.00	2483	<25	81	219	303	<20	<20	30
CS-204122		<5	<5	<5	>10.00	3292	<25	64	371	325	<20	<20	60
CS-204123		14	41	<5	>10.00	2177	<25	87	102	412	<20	<20	17
CS-204124		<5	9	<5	>10.00	4325	<25	43	579	375	<20	<20	123
CS-204125		<5	<5	<5	>10.00	4289	<25	52	921	341	<20	<20	129
CS-204126		<5	<5	<5	>10.00	4867	<25	53	503	341	<20	<20	153
CS-204127		<5	<5	<5	>10.00	4797	<25	45	450	350	<20	<20	112
CS-204128		<5	<5	<5	>10.00	3254	<25	50	268	313	<20	<20	63
CS-204129		<5	16	<5	>10.00	3074	<25	41	332	240	<20	<20	46
CS-204130		<5	<5	<5	>10.00	4205	<25	70	278	336	<20	<20	78
CS-204131		<5	<5	<5	>10.00	3410	<25	131	70	251	<20	<20	71
CS-204132		<5	<5	<5	>10.00	4189	<25	44	523	367	<20	<20	105
CS-204133		<5	<5	<5	>10.00	3758	<25	52	455	406	<20	<20	86
CS-204134		<5	<5	<5	>10.00	3025	<25	48	457	412	<20	<20	68
CS-204135		<5	<5	<5	>10.00	3324	<25	46	605	350	<20	<20	86
CS-204136		<5	<5	<5	>10.00	3235	<25	44	469	317	<20	<20	75
CS-204137		<5	7	<5	>10.00	3049	<25	39	306	269	<20	<20	78
CS-204138		<5	10	<5	>10.00	3539	<25	77	229	289	<20	<20	79
CS-204139		<5	6	<5	>10.00	3306	<25	64	286	300	<20	<20	72
CS-204140		<5	<5	<5	>10.00	3013	<25	64	229	267	22	<20	59

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SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CS-204101		4.91	4.46	8.77	0.58	0.31	333	66	<10	10	36	45	<5
CS-204102		7.95	3.27	>10.00	0.47	0.28	331	72	<10	10	31	47	<5
CS-204103		6.23	4.60	>10.00	0.54	0.30	322	60	<10	9	26	50	<5
CS-204104		5.85	4.24	8.98	0.34	0.22	271	50	<10	10	28	46	<5
CS-204105		8.77	3.88	>10.00	0.70	0.38	190	30	<10	8	10	38	<5
CS-204106		8.69	3.47	>10.00	0.63	0.38	256	45	<10	9	17	44	<5
CS-204107		7.52	4.77	>10.00	0.69	0.40	218	45	<10	11	16	47	<5
CS-204108		7.64	3.76	>10.00	0.39	0.20	406	55	<10	9	30	47	<5
CS-204109		>10.00	1.89	>10.00	0.34	0.17	249	33	<10	5	9	32	<5
CS-204110		8.57	2.22	>10.00	0.41	0.26	388	68	<10	8	33	44	<5
CS-204111		8.93	3.35	>10.00	1.20	0.54	245	41	<10	8	15	39	<5
CS-204112		9.13	2.42	>10.00	0.56	0.31	344	54	<10	8	26	40	<5
CS-204113		8.58	3.84	>10.00	0.74	0.41	281	38	<10	10	17	40	<5
CS-204114		9.27	3.80	>10.00	0.81	0.46	235	33	<10	12	12	38	<5
CS-204115		8.56	2.90	>10.00	0.46	0.24	301	49	<10	8	20	40	<5
CS-204116		8.51	4.13	>10.00	0.41	0.22	250	45	<10	8	21	37	<5
CS-204117		8.91	3.78	>10.00	0.69	0.39	319	47	<10	10	20	42	<5
CS-204118		8.59	3.97	>10.00	0.71	0.38	258	38	<10	9	13	41	<5
CS-204119		8.54	3.70	>10.00	0.54	0.31	282	41	<10	9	20	41	<5
CS-204120		5.94	5.20	9.33	0.77	0.33	392	55	<10	11	41	52	<5
CS-204121		7.96	5.30	>10.00	0.91	0.45	205	35	<10	12	17	42	<5
CS-204122		7.08	4.62	>10.00	0.67	0.34	497	53	<10	11	31	46	<5
CS-204123		9.77	4.14	>10.00	0.87	0.41	218	26	<10	10	11	42	<5
CS-204124		7.67	3.64	>10.00	0.63	0.31	669	114	<10	9	55	61	<5
CS-204125		7.36	3.61	>10.00	0.57	0.34	645	104	<10	10	53	58	<5
CS-204126		7.23	2.89	>10.00	0.51	0.29	707	113	<10	10	63	57	<5
CS-204127		7.17	3.68	>10.00	0.51	0.28	626	115	<10	10	54	62	<5
CS-204128		7.57	4.16	8.01	0.90	0.30	215	47	<10	10	<5	32	<5
CS-204129		8.44	4.93	>10.00	0.77	0.36	378	46	<10	9	27	36	<5
CS-204130		7.55	3.50	9.65	0.59	0.32	424	68	<10	10	44	46	<5
CS-204131		2.01	7.40	2.50	0.66	0.23	102	28	<10	14	81	25	<5
CS-204132		7.01	3.90	9.69	0.48	0.23	409	69	<10	9	49	48	<5
CS-204133		5.26	3.81	8.01	0.33	0.20	513	57	<10	8	27	46	<5
CS-204134		5.04	5.27	9.96	0.47	0.27	328	67	<10	9	36	53	<5
CS-204135		6.91	4.82	>10.00	0.55	0.22	580	67	<10	10	34	56	<5
CS-204136		6.41	5.34	>10.00	0.54	0.21	402	63	<10	10	36	50	<5
CS-204137		5.95	5.22	>10.00	0.53	0.21	435	63	<10	9	32	53	<5
CS-204138		6.25	3.77	9.56	0.57	0.43	368	117	<10	9	48	50	<5
CS-204139		5.69	4.59	9.52	0.50	0.31	408	76	<10	10	40	53	<5
CS-204140		7.07	4.22	9.63	0.66	0.38	348	61	<10	10	38	43	<5

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SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM
CS-204101		3.16	818
CS-204102		2.26	660
CS-204103		1.95	642
CS-204104		2.93	553
CS-204105		1.43	196
CS-204106		1.88	333
CS-204107		1.72	237
CS-204108		2.98	911
CS-204109		2.71	238
CS-204110		3.42	1369
CS-204111		1.92	480
CS-204112		2.46	1006
CS-204113		1.80	600
CS-204114		1.34	287
CS-204115		2.73	749
CS-204116		2.20	630
CS-204117		1.96	559
CS-204118		1.46	348
CS-204119		2.18	541
CS-204120		2.91	649
CS-204121		1.47	249
CS-204122		2.98	617
CS-204123		1.27	205
CS-204124		3.71	>2000
CS-204125		3.52	>2000
CS-204126		4.21	>2000
CS-204127		3.94	1969
CS-204128		3.74	607
CS-204129		2.24	1066
CS-204130		3.63	1179
CS-204131		7.10	414
CS-204132		4.27	>2000
CS-204133		3.22	>2000
CS-204134		2.79	898
CS-204135		2.53	1185
CS-204136		2.22	975
CS-204137		2.01	998
CS-204138		2.81	970
CS-204139		2.61	1252
CS-204140		3.41	709

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
CS-204141		IS	IS	IS		2.7	15	29	98	17	69	70	<1
CS-204142		1371	<15	<3	9.25	2.5	20	32	112	12	100	63	<1
CS-204143		231	<5	<1	18.67	1.8	13	22	88	12	64	45	<1
CS-204144		2	<10	<2	13.70	1.3	29	25	113	13	80	59	<1
CS-204145		119	22	2	24.84	1.1	9	20	106	13	75	53	<1
CS-204146		194	<25	<5	6.94	3.4	15	36	101	13	67	58	<1
CS-204147		581	<40	<8	4.92	2.7	22	22	121	17	93	101	<1
CS-204148		110	<5	1	30.00	1.4	9	21	97	11	85	52	<1
CS-204149		210	5	8	30.00	0.8	24	10	123	10	106	61	<1
CS-204150		42	<10	2	15.60	2.2	17	26	116	12	77	58	<1
CS-204151		411	<5	9	19.81	2.4	15	31	124	11	85	61	<1
CS-204152		379	<5	3	29.43	0.5	23	2	113	12	101	68	<1
CS-204153		393	<5	2	30.00	<0.5	17	4	94	13	128	69	<1
CS-204154		67	<5	12	30.00	0.7	18	15	114	12	106	63	<1
CS-204155		448	<5	3	30.00	1.6	14	21	117	12	85	55	<1
CS-204156		271	6	33	25.86	0.7	31	19	154	12	99	70	<1
CS-204157A		23	12	9	30.00	<0.5	26	8	113	11	90	58	<1
CS-204157B		9	15	11	30.00	<0.5	22	6	109	9	88	53	<1
CS-204158		391	<5	3	27.01	<0.5	23	23	115	11	86	60	<1
CS-204159		9	10	6	30.00	<0.5	30	21	128	15	74	73	<1
CS-204160		13	15	11	30.00	<0.5	29	11	121	15	68	68	<1
CS-204161		8	11	5	30.00	0.8	30	12	134	13	74	75	<1
CS-204162		26	<5	2	30.00	2.3	25	14	298	16	69	62	<1
CS-204163		208	10	7	30.00	1.2	20	27	129	13	94	63	<1
CS-204164		153	7	3	30.00	0.8	36	21	160	14	79	66	<1
CS-204165		IS	IS	IS		0.8	84	35	128	16	112	95	<1
CS-204166		890	7	2	30.00	0.8	16	17	183	12	83	65	<1
CS-204167		9	10	4	30.00	<0.5	17	16	136	12	84	64	<1
CS-204168		3	11	7	30.00	<0.5	55	4	176	11	97	73	<1
CS-204169		26	43	7	30.00	1.6	19	19	150	15	68	62	<1
CS-204170		361	<5	<1	30.00	2.5	18	16	275	13	64	60	<1
CS-204171		422	7	1	30.00	1.0	25	22	121	12	88	64	<1
CS-204172		316	<5	<1	26.16	2.4	38	22	138	15	92	60	<1
CS-204173		25	8	3	30.00	<0.5	17	9	160	11	85	61	<1
CS-204174		180	8	1	30.00	1.0	30	13	121	11	96	71	<1
CS-204175		15	20	5	30.00	0.5	37	13	107	12	54	55	<1
CS-204176		72	26	5	30.00	<0.5	33	9	107	12	54	54	<1
CS-204177		67	<5	1	24.79	2.2	30	18	161	15	85	75	<1
CS-204178		81	10	5	30.00	1.2	46	8	166	12	70	63	<1
CS-204179		86	5	6	30.00	1.0	30	19	164	15	70	61	<1

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SAMPLE NUMBER	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM
CS-204141		<5	<5	<5	>10.00	2987	<25	101	366	352	25	<20	87
CS-204142		<5	<5	<5	>10.00	3279	<25	42	668	336	<20	<20	62
CS-204143		<5	18	<5	>10.00	2893	<25	49	458	270	<20	<20	162
CS-204144		<5	<5	<5	>10.00	3039	<25	66	275	308	<20	<20	61
CS-204145		<5	<5	<5	>10.00	2588	<25	48	244	284	<20	<20	150
CS-204146		<5	<5	<5	>10.00	3472	<25	61	367	269	22	<20	99
CS-204147		<5	<5	<5	>10.00	2827	<25	93	398	343	25	21	108
CS-204148		<5	<5	<5	>10.00	3149	<25	51	197	187	<20	21	196
CS-204149		<5	20	<5	>10.00	2415	<25	71	226	265	<20	<20	40
CS-204150		<5	<5	<5	>10.00	3204	<25	55	316	275	<20	<20	73
CS-204151		<5	<5	<5	>10.00	3498	<25	50	309	267	23	<20	68
CS-204152		<5	<5	<5	>10.00	3252	<25	66	199	230	<20	<20	39
CS-204153		<5	7	<5	>10.00	3440	<25	60	122	161	<20	23	25
CS-204154		6	<5	<5	>10.00	2824	<25	64	253	275	<20	<20	45
CS-204155		<5	<5	<5	>10.00	3059	<25	52	352	269	<20	<20	64
CS-204156		<5	<5	<5	>10.00	3623	<25	51	369	292	<20	21	53
CS-204157A		<5	21	<5	>10.00	2208	<25	73	146	264	<20	<20	27
CS-204157B		<5	<5	<5	9.96	2036	<25	74	140	232	<20	<20	25
CS-204158		<5	<5	<5	>10.00	3125	<25	54	329	269	21	<20	54
CS-204159		<5	<5	<5	>10.00	3489	<25	68	127	265	<20	<20	39
CS-204160		<5	10	<5	>10.00	2777	<25	68	83	323	<20	<20	39
CS-204161		<5	<5	<5	>10.00	2989	<25	75	105	284	22	<20	36
CS-204162		20	<5	<5	>10.00	4267	<25	86	199	213	<20	<20	49
CS-204163		<5	<5	<5	>10.00	3846	<25	56	536	288	20	<20	68
CS-204164		<5	<5	<5	>10.00	3059	<25	67	249	294	<20	<20	49
CS-204165		<5	<5	<5	>10.00	3308	<25	73	369	400	<20	<20	87
CS-204166		<5	12	<5	>10.00	3231	<25	66	207	278	<20	<20	32
CS-204167		<5	<5	<5	>10.00	3033	<25	75	173	276	<20	<20	38
CS-204168		<5	<5	<5	>10.00	2723	<25	85	154	288	<20	<20	25
CS-204169		<5	<5	<5	>10.00	3622	<25	69	198	263	23	<20	48
CS-204170		<5	<5	<5	>10.00	3844	<25	86	180	213	21	<20	47
CS-204171		<5	<5	<5	>10.00	2664	<25	66	306	277	<20	<20	46
CS-204172		<5	<5	<5	>10.00	2915	<25	53	411	326	20	<20	62
CS-204173		<5	<5	<5	>10.00	3221	<25	70	155	236	<20	<20	47
CS-204174		<5	<5	<5	>10.00	2882	<25	66	272	307	<20	<20	51
CS-204175		<5	16	<5	>10.00	2141	<25	90	132	307	<20	<20	29
CS-204176		<5	12	<5	>10.00	1978	<25	100	112	326	<20	<20	31
CS-204177		<5	<5	<5	>10.00	2976	<25	58	371	323	22	<20	71
CS-204178		<5	<5	<5	>10.00	3104	<25	76	109	263	<20	<20	43
CS-204179		<5	<5	<5	>10.00	3359	<25	59	208	248	<20	<20	70

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SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CS-204141		4.20	3.29	5.79	0.43	0.32	341	53	<10	9	51	37	<5
CS-204142		4.49	4.73	8.40	0.31	0.16	386	51	<10	9	17	48	<5
CS-204143		7.42	3.34	>10.00	0.39	0.22	1045	59	<10	9	34	44	<5
CS-204144		5.95	4.23	>10.00	0.53	0.39	349	87	<10	9	37	50	<5
CS-204145		7.22	4.09	>10.00	0.63	0.30	783	64	<10	10	33	41	<5
CS-204146		5.27	3.65	8.12	0.33	0.20	536	71	<10	9	9	48	<5
CS-204147		3.43	4.39	5.62	0.27	0.23	324	54	<10	10	45	39	<5
CS-204148		7.68	4.20	8.67	0.63	0.31	229	104	<10	9	39	49	<5
CS-204149		7.16	4.81	>10.00	0.74	0.50	296	60	<10	12	32	47	<5
CS-204150		6.00	3.97	8.71	0.58	0.30	395	68	<10	8	45	45	<5
CS-204151		6.44	4.41	9.34	0.57	0.28	403	69	<10	9	45	48	<5
CS-204152		7.19	5.05	8.88	0.65	0.40	144	60	<10	9	21	44	<5
CS-204153		8.74	5.16	7.58	0.67	0.33	117	39	<10	8	15	32	<5
CS-204154		6.97	4.68	9.11	0.63	0.39	240	54	<10	9	24	44	<5
CS-204155		6.41	4.56	>10.00	0.55	0.34	395	75	<10	10	36	53	<5
CS-204156		5.48	5.25	9.63	0.57	0.45	241	81	<10	10	38	54	<5
CS-204157A		9.03	4.32	>10.00	0.72	0.41	236	33	<10	10	18	42	<5
CS-204157B		9.36	4.11	>10.00	0.79	0.44	237	31	<10	10	11	40	<5
CS-204158		6.78	4.51	>10.00	0.61	0.32	395	62	<10	11	37	49	<5
CS-204159		7.56	4.30	9.02	0.67	0.34	152	54	<10	9	22	41	<5
CS-204160		9.00	3.58	>10.00	0.71	0.33	230	45	<10	10	12	45	<5
CS-204161		7.57	4.12	8.85	0.79	0.40	163	46	<10	9	24	37	<5
CS-204162		6.62	4.03	8.69	0.91	0.83	113	186	<10	16	55	51	<5
CS-204163		6.09	4.78	9.23	0.50	0.35	314	79	<10	10	37	49	<5
CS-204164		5.99	4.58	>10.00	0.71	0.59	239	97	<10	10	39	52	<5
CS-204165		3.73	5.57	8.14	0.39	0.26	252	46	<10	11	35	50	<5
CS-204166		6.82	4.77	>10.00	0.75	0.65	230	79	<10	9	33	56	<5
CS-204167		6.95	4.59	>10.00	0.72	0.52	181	75	<10	9	26	44	<5
CS-204168		6.70	5.13	9.58	0.97	0.88	107	71	<10	14	21	51	<5
CS-204169		7.27	3.93	9.08	0.63	0.44	192	117	<10	11	48	48	<5
CS-204170		6.34	3.98	8.87	0.90	0.80	137	158	<10	17	51	48	<5
CS-204171		6.27	4.62	9.01	0.63	0.35	273	44	<10	9	36	44	<5
CS-204172		4.67	4.74	8.83	0.47	0.31	310	88	<10	10	51	50	<5
CS-204173		6.69	4.42	9.16	0.76	0.63	125	111	<10	13	36	47	<5
CS-204174		5.47	5.12	8.67	0.57	0.40	222	51	<10	10	25	47	<5
CS-204175		8.70	3.48	>10.00	0.73	0.50	216	45	<10	11	14	45	<5
CS-204176		9.10	3.24	>10.00	0.77	0.55	225	47	<10	12	13	46	<5
CS-204177		4.21	4.26	7.57	0.41	0.31	288	117	<10	10	31	43	<5
CS-204178		6.86	4.27	8.95	0.72	0.52	140	148	<10	13	54	46	<5
CS-204179		5.92	4.18	7.89	0.59	0.46	136	151	<10	12	55	45	<5

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SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM
CS-204141		3.96	1574
CS-204142		3.30	1629
CS-204143		2.75	1053
CS-204144		2.49	793
CS-204145		2.60	790
CS-204146		3.11	>2000
CS-204147		3.44	1584
CS-204148		2.42	729
CS-204149		1.82	590
CS-204150		3.55	1666
CS-204151		3.64	1631
CS-204152		1.61	254
CS-204153		1.42	224
CS-204154		1.75	589
CS-204155		2.51	1038
CS-204156		2.36	547
CS-204157A		1.33	331
CS-204157B		1.17	318
CS-204158		3.07	666
CS-204159		2.75	173
CS-204160		1.78	128
CS-204161		2.90	192
CS-204162		1.74	1454
CS-204163		2.95	1124
CS-204164		2.34	604
CS-204165		2.83	584
CS-204166		2.29	498
CS-204167		1.98	387
CS-204168		1.34	232
CS-204169		2.46	594
CS-204170		1.83	1666
CS-204171		2.79	716
CS-204172		2.75	1411
CS-204173		1.51	395
CS-204174		2.07	564
CS-204175		1.76	196
CS-204176		1.56	145
CS-204177		2.87	1506
CS-204178		1.66	825
CS-204179		1.97	799

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
CS-204180		31	16	13	30.00	<0.5	22	10	120	13	73	62	<1
CS-204181		30	<5	<1	30.00	2.6	20	18	300	14	59	55	<1
CS-204182		1202	9	4	29.69	1.1	18	18	125	10	87	56	<1
CS-204183		107	<5	<1	30.00	2.2	18	19	151	12	58	59	<1
CS-204184		74	11	7	30.00	0.6	40	25	126	10	67	59	<1
CS-204185		15	5	2	30.00	1.6	70	13	180	14	81	95	<1
CS-204186		19	<5	1	30.00	1.0	23	9	166	12	86	60	<1
CS-204187		2	<5	1	30.00	1.9	23	21	162	11	91	57	<1
CS-204188		1	<5	3	30.00	0.9	26	15	156	13	80	63	<1
CS-204189		4	5	2	30.00	1.1	23	11	170	12	71	58	<1
CS-204190		12	<5	<1	17.17	0.6	24	9	206	15	56	55	<1
CS-204191		35	<5	1	30.00	1.0	22	10	193	13	70	64	<1
CS-204192		14	<5	2	30.00	1.3	25	12	159	12	95	61	<1
CS-204193		11	7	3	21.42	1.7	80	24	111	12	108	68	<1
CS-204194		2374	<5	2	28.28	2.7	34	47	138	13	74	63	<1
CS-204195		100	<5	4	30.00	0.8	19	21	155	14	78	62	<1
CS-204196		25	14	6	30.00	<0.5	20	18	161	12	95	65	<1
CS-204197		6	5	1	30.00	1.0	15	14	190	15	74	57	<1
CS-204198		73	<5	2	28.18	1.0	19	12	151	13	79	66	<1
CS-204199		187	5	<1	30.00	1.0	11	21	166	15	57	61	<1

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SAMPLE NUMBER	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM
CS-204180		<5	<5	<5	>10.00	2401	<25	74	165	294	<20	<20	32
CS-204181		<5	<5	<5	>10.00	3450	<25	69	156	221	<20	<20	47
CS-204182		<5	<5	<5	>10.00	2767	<25	62	259	258	<20	<20	40
CS-204183		<5	<5	<5	>10.00	3515	<25	62	151	219	<20	<20	57
CS-204184		<5	<5	<5	>10.00	2753	<25	58	195	354	<20	<20	46
CS-204185		<5	<5	<5	>10.00	3184	<25	98	94	173	<20	20	48
CS-204186		<5	<5	<5	>10.00	2390	<25	69	202	274	<20	<20	39
CS-204187		<5	<5	<5	>10.00	2451	<25	65	338	267	<20	<20	64
CS-204188		<5	<5	<5	>10.00	3239	<25	62	270	268	<20	<20	40
CS-204189		<5	<5	<5	>10.00	3320	<25	79	160	214	<20	<20	49
CS-204190		<5	<5	<5	>10.00	4151	<25	77	243	220	<20	<20	42
CS-204191		<5	17	<5	>10.00	3150	<25	93	167	273	<20	<20	39
CS-204192		<5	8	<5	>10.00	2565	<25	69	232	274	<20	<20	48
CS-204193		<5	<5	<5	>10.00	2929	<25	56	415	333	<20	<20	67
CS-204194		<5	<5	<5	>10.00	4532	<25	46	718	306	24	<20	174
CS-204195		<5	<5	<5	>10.00	3278	<25	58	205	262	<20	<20	63
CS-204196		<5	<5	<5	>10.00	2567	<25	62	180	259	<20	<20	26
CS-204197		<5	<5	<5	>10.00	4218	<25	58	207	202	<20	<20	66
CS-204198		<5	<5	<5	>10.00	3320	<25	62	255	270	<20	<20	55
CS-204199		<5	<5	<5	>10.00	4115	<25	55	163	215	28	<20	83

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SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CS-204180		7.02	4.16	9.52	0.70	0.52	160	52	<10	10	16	44	<5
CS-204181		5.23	3.60	8.49	0.96	0.81	78	184	<10	15	63	44	<5
CS-204182		5.71	4.50	9.61	0.61	0.46	272	73	<10	9	35	49	<5
CS-204183		6.23	3.78	7.49	0.65	0.44	176	116	<10	11	54	46	<5
CS-204184		6.50	4.15	>10.00	0.65	0.37	280	52	<10	10	18	54	<5
CS-204185		4.01	5.57	5.28	0.58	0.32	153	30	<10	17	23	29	<5
CS-204186		5.30	5.18	>10.00	0.78	0.69	177	85	<10	9	30	48	<5
CS-204187		5.31	4.96	9.94	0.68	0.65	262	103	<10	11	40	49	<5
CS-204188		5.43	4.50	8.21	0.66	0.52	127	92	<10	11	31	46	<5
CS-204189		6.35	4.03	8.13	0.81	0.71	64	121	<10	12	28	47	<5
CS-204190		6.83	3.82	8.43	0.75	0.74	76	147	<10	16	34	48	<5
CS-204191		6.42	4.30	8.86	0.95	0.84	110	103	<10	14	32	47	<5
CS-204192		5.62	4.89	9.79	0.73	0.58	196	87	<10	10	38	45	<5
CS-204193		4.21	5.19	8.81	0.36	0.22	311	51	<10	10	33	50	<5
CS-204194		5.05	4.14	8.39	0.35	0.23	384	109	<10	8	18	54	<5
CS-204195		6.20	4.42	9.35	0.73	0.56	172	93	<10	10	31	55	<5
CS-204196		6.48	5.05	>10.00	0.73	0.48	171	58	<10	10	22	45	<5
CS-204197		6.31	4.07	8.58	0.61	0.49	147	209	<10	14	55	46	<5
CS-204198		5.34	4.56	8.40	0.54	0.40	196	121	<10	11	42	46	<5
CS-204199		6.22	3.64	7.55	0.68	0.45	135	140	<10	10	47	44	<5

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SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM
CS-204180		1.48	168
CS-204181		2.25	>2000
CS-204182		2.01	703
CS-204183		2.86	1101
CS-204184		2.11	337
CS-204185		2.92	282
CS-204186		1.72	691
CS-204187		1.53	1126
CS-204188		1.52	425
CS-204189		1.19	526
CS-204190		1.52	487
CS-204191		1.77	694
CS-204192		2.36	522
CS-204193		2.46	637
CS-204194		4.33	1759
CS-204195		2.01	349
CS-204196		1.46	353
CS-204197		1.87	841
CS-204198		2.05	785
CS-204199		3.47	780

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STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
UMT-1 CANMET STD		52	144	108	-	-	-	-	-	-	-	-	-
UMT-1 CANMET STD		52	148	104	-	-	-	-	-	-	-	-	-
Number of Analyses		2	2	2	-	-	-	-	-	-	-	-	-
Mean Value		52.0	146.0	106.0	-	-	-	-	-	-	-	-	-
Standard Deviation		<0.01	2.83	2.83	-	-	-	-	-	-	-	-	-
Accepted Value		48	128	104	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 3		-	-	-	-	5.6	796	245	531	590	617	53	<1
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	5.65	796.0	245.0	530.6	589.8	617.0	53.0	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	5.8	820	250	500	600	600	48	2
ANALYTICAL BLANK		<1	<5	<1	-	<0.5	<1	<2	<2	<1	<1	<1	<1
ANALYTICAL BLANK		<1	<5	<1	-	<0.5	<1	<2	<2	<1	<1	<1	<1
ANALYTICAL BLANK		-	-	-	-	<0.5	<1	<2	<2	<1	<1	<1	<1
Number of Analyses		2	2	2	-	3	3	3	3	3	3	3	3
Mean Value		0.5	2.5	0.5	-	0.25	0.5	1.0	1.0	0.5	0.5	0.5	0.5
Standard Deviation		<0.01	<0.01	<0.01	-	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Accepted Value		1	5	1	<0.01	0.2	1	2	1	1	1	1	1
PP89-2		168	354	554	-	-	-	-	-	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-
Mean Value		168.0	354.0	554.0	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		170	440	540	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	-	-	-	<0.5	92	12	88	5	43	28	<1
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	0.25	92.0	12.0	88.0	5.0	43.4	28.0	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	0.7	90	11	80	2	40	18	<1
BCC GEOCHEM STD 4		-	-	-	-	0.7	276	35	242	5	40	12	<1
Number of Analyses		-	-	-	-	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	0.69	276.0	35.0	242.0	5.0	39.7	12.0	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	0.5	290	33	255	4	42	9	1

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STANDARD NAME	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM
UMT-1 CANMET STD		-	-	-	-	-	-	-	-	-	-	-	-
UMT-1 CANMET STD		-	-	-	-	-	-	-	-	-	-	-	-
umber of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
ean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
ccepted Value		-	-	-	-	-	-	-	-	-	-	-	-
C GEOCHEM STD 3		7	262	56	5.30	920	<25	458	526	74	<20	<20	9
mber of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		7.0	262.0	56.0	5.303	920.0	12.5	458.0	526.0	74.0	10.0	10.0	9.0
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
cepted Value		4	310	50	5.62	1022	-	573	598	83	16	8	10
ANALYTICAL BLANK		<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5
ALYTICAL BLANK		<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5
ALYTICAL BLANK		<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<5
Number of Analyses		3	3	3	3	3	3	3	3	3	3	3	3
Mean Value		2.5	2.5	2.5	0.005	2.5	12.5	2.5	1.0	1.0	10.0	10.0	2.5
Standard Deviation		<0.01	<0.01	<0.01	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Accepted Value		2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1
39-2		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-
GEOCHEM STD 5		<5	15	<5	5.09	839	<25	638	83	155	<20	<20	9
ber of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		2.5	15.0	2.5	5.088	839.0	12.5	637.6	83.0	155.4	10.0	10.0	9.0
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
epted Value		1	8	1	4.95	790	-	800	100	175	4	2	10
CC GEOCHEM STD 4		<5	35	<5	2.65	568	<25	360	119	26	<20	<20	10
ber of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
n Value		2.5	34.6	2.5	2.650	568.0	12.5	359.8	119.0	26.0	10.0	10.0	10.0
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
epted Value		1	30	1	2.81	600	-	305	136	29	5	1	8

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Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 16-OCT-95

REPORT: 095-40587.0 (COMPLETE) PROJECT: 3011 PAGE 4C

STANDARD NAME	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
UMT-1 CANMET STD		-	-	-	-	-	-	-	-	-	-	-	-
UMT-1 CANMET STD		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 3		7.47	6.28	6.05	0.86	0.94	156	7	<10	18	6	10	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		7.474	6.280	6.046	0.860	0.940	156.3	6.8	5.0	18.1	5.6	10.2	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		7.80	5.79	5.57	1.02	0.90	171	13	7	21	12	12	1
ANALYTICAL BLANK		0.01	<0.01	0.01	<0.01	<0.01	<1	<5	<10	<2	<5	<5	<5
ANALYTICAL BLANK		<0.01	<0.01	<0.01	0.01	<0.01	<1	<5	<10	<2	<5	<5	<5
ANALYTICAL BLANK		<0.01	<0.01	<0.01	<0.01	<0.01	1	<5	<10	<2	<5	<5	<5
Number of Analyses		3	3	3	3	3	3	3	3	3	3	3	3
Mean Value		0.007	0.005	0.008	0.007	0.005	0.7	2.5	5.0	1.0	2.5	2.5	2.5
Standard Deviation		0.0029	<0.0001	0.0057	0.0029	<0.0001	0.29	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Accepted Value		<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<1	<1	<1	<1	<1
PP89-2		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		7.48	2.52	2.22	1.73	1.14	283	12	<10	27	6	19	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		7.480	2.520	2.220	1.732	1.140	283.0	12.0	5.0	27.3	5.7	19.1	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		8.30	1.90	1.85	1.82	1.00	265	13	4	32	17	18	1
BCC GEOCHEM STD 4		5.91	1.38	1.67	1.82	1.24	86	9	<10	9	<5	11	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		5.914	1.380	1.671	1.825	1.240	86.3	8.6	5.0	8.8	2.5	10.8	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		6.88	1.34	1.43	1.82	0.89	90	8	8	10	7	12	1

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STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM
UMT-1 CANMET STD		-	-
UMT-1 CANMET STD		-	-
Number of Analyses		-	-
Mean Value		-	-
Standard Deviation		-	-
Accepted Value		-	-
BCC GEOCHEM STD 3		0.15	28
Number of Analyses		1	1
Mean Value		0.150	28.1
Standard Deviation		-	-
Accepted Value		0.15	45
ANALYTICAL BLANK		<0.01	<5
ANALYTICAL BLANK		<0.01	<5
ANALYTICAL BLANK		<0.01	<5
Number of Analyses		3	3
Mean Value		0.005	2.5
Standard Deviation		<0.0001	<0.01
Accepted Value		<0.01	<1
PP89-2		-	-
Number of Analyses		-	-
Mean Value		-	-
Standard Deviation		-	-
Accepted Value		-	-
BCC GEOCHEM STD 5		0.51	67
Number of Analyses		1	1
Mean Value		0.513	66.7
Standard Deviation		-	-
Accepted Value		0.51	60
BCC GEOCHEM STD 4		0.10	71
Number of Analyses		1	1
Mean Value		0.099	71.5
Standard Deviation		-	-
Accepted Value		0.12	68

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
CS-204108		271	9	5	27.58	1.2	18	21	109	9	56	55	<1
Duplicate						1.8	21	26	113	11	63	60	<1
CS-204125		355	<15	<3	9.87	2.6	21	42	142	12	61	53	<1
Duplicate						3.5	22	39	149	13	63	51	<1
CS-204131		2	<5	<1	30.00	1.4	36	26	243	19	169	150	<1
Duplicate		1	<5	<1									
CS-204145		119	22	2	24.84	1.1	9	20	106	13	75	53	<1
Duplicate						0.8	9	24	106	12	80	53	<1
CS-204160		13	15	11	30.00	<0.5	29	11	121	15	68	68	<1
Duplicate		15	15	10									
CS-204161		8	11	5	30.00	0.8	30	12	134	13	74	75	<1
Duplicate						0.8	28	15	134	15	74	75	<1
CS-204176		72	26	5	30.00	<0.5	33	9	107	12	54	54	<1
Duplicate		3	30	6									
CS-204181		30	<5	<1	30.00	2.6	20	18	300	14	59	55	<1
Duplicate						2.7	20	19	315	13	65	59	<1
CS-204198		73	<5	2	28.18	1.0	19	12	151	13	79	66	<1
Duplicate						1.1	21	16	158	12	83	67	<1
CS-204199		187	5	<1	30.00	1.0	11	21	166	15	57	61	<1
Duplicate		34	8	<1									

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SAMPLE NUMBER	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM
CS-204108		<5	6	<5	>10.00	3587	<25	43	371	340	<20	<20	58
Duplicate		<5	<5	<5	>10.00	3793	<25	46	397	366	<20	<20	67
CS-204125		<5	<5	<5	>10.00	4289	<25	52	921	341	<20	<20	129
Duplicate		<5	<5	<5	>10.00	4328	<25	50	1022	345	<20	<20	133
CS-204131		<5	<5	<5	>10.00	3410	<25	131	70	251	<20	<20	71
Duplicate													
CS-204145		<5	<5	<5	>10.00	2588	<25	48	244	284	<20	<20	150
Duplicate		<5	<5	<5	>10.00	2571	<25	48	254	256	<20	<20	144
CS-204160		<5	10	<5	>10.00	2777	<25	68	83	323	<20	<20	39
Duplicate													
CS-204161		<5	<5	<5	>10.00	2989	<25	75	105	284	22	<20	36
Duplicate		<5	<5	<5	>10.00	2942	<25	76	96	263	22	28	34
CS-204176		<5	12	<5	>10.00	1978	<25	100	112	326	<20	<20	31
Duplicate													
CS-204181		<5	<5	<5	>10.00	3450	<25	69	156	221	<20	<20	47
Duplicate		<5	<5	<5	>10.00	3635	<25	72	157	234	21	<20	49
CS-204198		<5	<5	<5	>10.00	3320	<25	62	255	270	<20	<20	55
Duplicate		<5	<5	<5	>10.00	3438	<25	67	261	282	<20	<20	60
CS-204199		<5	<5	<5	>10.00	4115	<25	55	163	215	28	<20	83
Duplicate													

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SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
CS-204108		7.64	3.76	>10.00	0.39	0.20	406	55	<10	9	30	47	<5
Duplicate		8.02	3.82	>10.00	0.39	0.21	436	59	<10	9	31	51	<5
CS-204125		7.36	3.61	>10.00	0.57	0.34	645	104	<10	10	53	58	<5
Duplicate		7.43	3.60	>10.00	0.54	0.32	659	105	<10	11	49	59	<5
CS-204131		2.01	7.40	2.50	0.66	0.23	102	28	<10	14	81	25	<5
Duplicate													
CS-204145		7.22	4.09	>10.00	0.63	0.30	783	64	<10	10	33	41	<5
Duplicate		7.05	4.16	>10.00	0.61	0.28	765	62	<10	9	31	40	<5
CS-204160		9.00	3.58	>10.00	0.71	0.33	230	45	<10	10	12	45	<5
Duplicate													
CS-204161		7.57	4.12	8.85	0.79	0.40	163	46	<10	9	24	37	<5
Duplicate		7.42	4.09	8.72	0.80	0.41	159	44	<10	9	24	37	<5
CS-204176		9.10	3.24	>10.00	0.77	0.55	225	47	<10	12	13	46	<5
Duplicate													
CS-204181		5.23	3.60	8.49	0.96	0.81	78	184	<10	15	63	44	<5
Duplicate		5.44	3.84	8.99	0.97	0.85	82	189	<10	16	66	45	<5
CS-204198		5.34	4.56	8.40	0.54	0.40	196	121	<10	11	42	46	<5
Duplicate		5.57	4.64	8.64	0.58	0.43	205	125	<10	11	45	47	<5
CS-204199		6.22	3.64	7.55	0.68	0.45	135	140	<10	10	47	44	<5
Duplicate													

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PROJECT: 3011

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM
CS-204108		2.98	911
Duplicate		3.11	963
CS-204125		3.52	>2000
Duplicate		3.58	>2000
CS-204131		7.10	414
Duplicate			
CS-204145		2.60	790
Duplicate		2.55	753
CS-204160		1.78	128
Duplicate			
CS-204161		2.90	192
Duplicate		2.85	191
CS-204176		1.56	145
Duplicate			
CS-204181		2.25	>2000
Duplicate		2.32	1956
CS-204198		2.05	785
Duplicate		2.15	820
CS-204199		3.47	780
Duplicate			

APPENDIX VII

Regional Tills
(HMC)
Au-PGE Descriptions
MMMS

OVERBURDEN DRILLING MANAGEMENT LIMITED - LABORATORY SAMPLE LOG

ABBREVIATIONS

DATA LOG

Clast:

Size of Clast:
- G: Granules
- P: Pebbles
- C: Cobbles
- BL: Boulder Chips
- BK: Bedrock Chips

% Clast Composition:
- G/S/Gn: Granitic/sediment/gneN:
- Ampn: Amphibolite
- Mb: Marble
- Carb: Carbonate
- Sh/SS: Sandstone/shale
- Tr.: TRACE
- NA: NOT APPLICABLE
- OX: Oxidized

Matrix:

S/U: Sorted or Unsorted

SD: Sand ----------| F: Fine
ST: Silt | M: Medium
CY: Clay | C: Coarse
OR: Organics

Y: Fraction Present
+: Fraction relatively more abundant
-: Fraction relatively less abundant
N: Fraction Not Present
L: Lumps Present

Colour:

B:	Beige	PP:	Purple
GY:	Grey	PK:	Pink
GB:	Grey Beige	OC:	Ochre
GN:	Green		
GG:	Grey Green	D:	Dark
BN:	Brown	M:	Medium
BK:	Black	L:	Light

GOLD LOG

T: Number found on Shaking Table
P: Number found by panning

C: Calculated Thickness of Grain (in microns)
M: Actual Measured Thickness of Grain (in microns)

MMS (Metamorphosed Massive Sulphides) LOG

Ky.:	Kyanite	Py.:	Pyrite
St.:	Staurolite	Cpy.:	Chalcopyrite
Sil.:	Sillimanite	Sphal.:	Sphalerite
Spess.:	Spessartine	Ot.:	Other

OVERBURDEN DRILLING MANAGEMENT LIMITED - LABORATORY SAMPLE LOG

ABBREVIATIONS

DATA LOG

Clast:

Size of Clast:

- G: Granules
- P: Pebbles
- C: Cobbles
- BL: Boulder Chips
- BK: Bedrock Chips

% Clast Composition:

- V/S: Volcanics and Sediments
- GR: Granitics
- LS: Limestone
- OT: Other Lithologies (Refer to Footnotes)
- TR: Only Trace Present
- NA: NOT APPLICABLE
- OX: Oxidized

Class:

- BLD: Boulder Chips
- BDK: Bedrock Chips

Matrix:

- S/U: Sorted or Unsorted
- SD: Sand
- ST: Silt
- CY: Clay
- OR: Organics

(SD, ST, CY, OR: F: Fine; M: Medium; C: Coarse)

- Y: Fraction Present
- +: Fraction more abundant than normal
- -: Fraction less abundant than normal
- N: Fraction Not Present
- L: Lumps Present

Colour:

B:	Beige	PP:	Purple
GY:	Grey	PK:	Pink
GB:	Grey Beige	OC:	Ochre
GN:	Green		
GG:	Grey Green	L:	Light
BN:	Brown	M:	Medium
BK:	Black	D:	Dark

GOLD LOG

Number of Grains:

- T: Number Found on Shaking Table
- P: Number Found by Panning

Thickness:

- C: Calculated Thickness of Grain (in microns)
- M: Actual Measured Thickness of Grain (in microns)

Remarks:

%	Percentage of HMC (estimated from panning of table concentrate)
gr.	Grains (estimated number)
uM	Microns (1/1000 mm)
py.	Pyrite
cpy.	Chalcopyrite
aspy.	Arsenopyrite
marc.	Marcasite
L/G.	Limonite/Goethite
sid.	Siderite

MMS (Metamorphosed Massive Sulphides) LOG

Epd.	Epidote	Cr.	Chromite
St.	Staurolite	Goeth.	Goethite
Ky.	Kyanite	Py.	Pyrite
Rut.	Rutile	Cpy.	Chalcopyrite
Orthopyx.	Orthopyroxene		

OVERBURDEN DRILLING MANAGEMENT LIMITED¶

GOLD GRAIN SUMMARY SHEETÿ¶

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
CS 204									
101	0	0	0	0	9.1	0	0	0	0
102	1	1	0	0	26.3	3	3	0	0
103	32	25	1	6	69.1	154	138	15	1
104	9	7	1	1	18.4	205	200	0	4
105	11	9	2	0	128.2	17	16	1	0
106	3	3	0	0	25.5	23	23	0	0
107	0	0	0	0	85.0	0	0	0	0
108	5	3	2	0	37.5	33	6	27	0
109	4	3	0	1	44.3	18	17	0	0
110	6	5	0	1	7.6	69	65	0	3
111	3	3	0	0	37.5	13	13	0	0
112	8	8	0	0	13.3	523	523	0	0
113	6	6	0	0	2.6	700	700	0	0
114	0	0	0	0	67.5	0	0	0	0
115	3	3	0	0	17.6	7	7	0	0
116	9	5	4	0	5.1	95	31	63	0
117	5	5	0	0	5.9	40	40	0	0
118	2	2	0	0	76.1	1	1	0	0
119	7	7	0	0	39.7	7	7	0	0
120	0	0	0	0	14.1	0	0	0	0
121	0	0	0	0	59.5	0	0	0	0
122	1	1	0	0	19.8	0	0	0	0
123	4	4	0	0	136.1	3	3	0	0
124	7	2	4	1	22.2	331	47	284	1
125	22	6	15	1	15.7	114	50	40	24
126	8	5	3	0	12.4	148	130	17	0
127	5	3	2	0	14.4	67	40	27	0
128	10	9	1	0	23.9	94	93	1	0
129	9	9	0	0	7.7	82	82	0	0
130	5	4	1	0	6.6	317	287	29	0
131	0	0	0	0	180.8	0	0	0	0
132	36	24	7	5	34.9	397	347	31	19
133	7	2	1	4	15.9	106	7	24	76
134	6	6	0	0	49.8	30	30	0	0
135	0	0	0	0	38.7	0	0	0	0
136	9	8	0	1	35.6	44	39	0	5
137	0	0	0	0	47.5	0	0	0	0
138	13	12	0	1	18.9	128	122	0	6
139	1	0	1	0	9.4	9	0	9	0
140	7	5	0	2	30.5	30	26	0	3
141	3	3	0	0	2.5	41	41	0	0
142	5	5	0	0	14.5	110	110	0	0
143	11	10	1	0	24.0	489	488	1	0
144	0	0	0	0	18.5	0	0	0	0
145	4	1	3	0	33.5	27	2	25	0
146	3	2	1	0	9.0	84	42	42	0
147	3	1	2	0	7.1	133	53	80	0
148	6	0	6	0	50.0	28	0	28	0
149	3	3	0	0	74.1	19	19	0	0
150	5	5	0	0	23.4	44	44	0	0
151	23	9	11	3	27.4	259	108	129	21
152	2	2	0	0	45.4	4	4	0	0
153	1	1	0	0	106.1	4	4	0	0

OVERBURDEN DRILLING MANAGEMENT LIMITED¶

GOLD GRAIN SUMMARY SHEETÿ¶

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
CS 204									
154	13	6	5	2	51.9	40	29	7	3
155	21	10	9	2	46.2	301	48	247	6
156	14	7	0	7	36.9	41	27	0	14
157A	2	2	0	0	64.3	2	2	0	0
157B	2	2	0	0	106.1	3	3	0	0
158	6	6	0	0	34.7	22	22	0	0
159	9	8	1	0	225.1	14	14	0	0
160	5	5	0	0	205.7	9	9	0	0
161	25	18	5	2	560.1	6	4	1	1
162	12	8	3	1	100.3	13	8	4	1
163	28	26	2	0	83.5	79	75	4	0
164	31	26	4	1	93.8	49	44	3	2
165	1	1	0	0	18.5	10	10	0	0
166	0	0	0	0	80.6	0	0	0	0
167	27	24	2	1	344.9	29	19	8	2
168	7	5	2	0	229.1	3	2	1	0
169	9	8	1	0	111.1	11	9	2	0
170	23	16	5	2	116.8	162	154	6	2
171	53	41	11	1	83.3	164	123	36	5
172	8	7	1	0	37.9	270	232	38	0
173	7	7	0	0	118.4	6	6	0	0
174	10	8	0	2	51.8	48	42	0	6
175	3	2	1	0	164.6	7	5	2	0
176	1	1	0	0	245.9	3	3	0	0
177	8	7	1	0	34.3	44	40	4	0
178	4	4	0	0	184.5	3	3	0	0
179	8	7	0	1	75.7	19	17	0	2
180	5	5	0	0	191.7	1	1	0	0
181	6	6	0	0	205.2	59	59	0	0
182	4	4	0	0	60.8	9	9	0	0
183	10	10	0	0	51.0	28	28	0	0
184	6	4	1	1	72.8	34	24	9	1
185	2	2	0	0	171.7	2	2	0	0
186	0	0	0	0	265.8	0	0	0	0
187	0	0	0	0	92.1	0	0	0	0
188	3	2	1	0	114.9	9	6	3	0
189	4	4	0	0	369.5	1	1	0	0
190	2	2	0	0	46.5	2	2	0	0
191	8	6	2	0	170.8	10	8	2	0
192	2	1	1	0	128.6	1	0	1	0
193	10	10	0	0	39.2	35	35	0	0
194	62	41	19	2	51.7	893	483	326	85
195	4	4	0	0	127.8	11	11	0	0
196	7	7	0	0	220.3	3	3	0	0
197	2	2	0	0	86.5	1	1	0	0
198	10	9	1	0	44.3	73	69	4	0
199	30	23	6	1	147.1	40	39	1	0

OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.W ET) TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	WEIGHT (GRAMS DRY) M.I. LIGHTS	M. CONC. TOTAL	I. CON NON MAG	C MAG	A NO. V.G.	AU CALC PPB	SIZE	CLAS V/S	DES T % GR	SCRI LS	PTO OT	N S/U	MATRI SD	X ST	CY	COLOUR SD	CY	OR	CLASS
CS 204																							
101	4.2	1.2	3.0	239.1	226.8	12.3	9.1	3.2	0	0	P	95	5	0	NA	U	Y	Y	Y	GG	GG	Y	TILL
102	12.6	6.6	6.0	526.5	493.6	32.9	26.3	6.6	1	3	P	95	5	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
103	12.5	2.7	9.9	396.1	315.0	81.1	69.1	12.0	32	154	P	95	5	0	NA	U	Y	Y	Y	GY	GY	Y	TILL
104	10.1	4.0	6.1	253.7	230.4	23.3	18.4	4.9	9	205	P	90	10	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
105	5.3	1.6	3.7	322.2	189.7	132.5	128.2	4.3	11	17	P	65	35	0	NA	U	Y	Y	Y	GG	GG	Y	TILL
106	4.8	2.9	1.9	137.8	110.5	27.3	25.5	1.8	3	23	P	85	15	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
107	10.5	4.4	6.0	384.1	292.6	91.5	85.0	6.5	0	0	P	90	10	0	NA	U	Y	Y	Y	GY	GY	Y	TILL
108	12.1	4.5	7.7	304.2	258.9	45.3	37.5	7.8	5	33	P	90	10	0	NA	U	Y	YY	GYOC		OC	Y	TILL
109	5.5	2.4	3.1	369.4	322.2	47.2	44.3	2.9	4	18	P	85	15	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
110	3.8	0.8	3.0	81.4	72.8	8.6	7.6	1.0	6	69	C	95	5	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
111	6.0	2.7	3.3	101.9	64.1	37.8	37.5	0.3	3	13	P	15	85	0	NA	U	Y	Y	Y	GB	GB	Y	TILL
112	5.1	1.2	3.9	83.6	70.2	13.4	13.3	0.1	8	523	P	20	80	0	NA	U	Y	YY	GYOC		GYOC Y	Y	TILL
113	4.2	0.2	4.1	54.5	51.7	2.8	2.6	0.2	6	700	P	30	70	0	NA	U	Y	Y	Y	GB	B	Y	TILL
114	5.6	1.1	4.5	179.5	111.9	67.6	67.5	0.1	0	0	P	20	80	0	NA	U	Y	YY	GYBN		GYBN Y		TILL/SOIL
115	5.8	2.7	3.1	117.1	99.4	17.7	17.6	0.1	3	7	P	80	20	0	NA	U	Y	Y	Y	GB	GB	Y	TILL
116	4.6	0.9	3.7	93.9	88.7	5.2	5.1	0.1	9	95	C	85	15	0	NA	U	Y	YY	GYOC		GYOC Y		TILL
117	4.4	0.4	4.0	101.7	95.7	6.0	5.9	0.1	5	40	P	85	15	0	NA	U	Y	Y	Y	B	B	Y	TILL
118	5.4	1.5	3.9	276.9	196.7	80.2	76.1	4.1	2	1	P	90	10	0	NA	U	Y	Y	Y	GY	GB	Y	TILL
119	9.5	3.1	6.4	383.0	339.3	43.7	39.7	4.0	7	7	P	90	10	0	NA	U	Y	YY	GYOC		GYOC Y		TILL
120	5.0	2.4	2.6	276.1	258.5	17.6	14.1	3.5	0	0	P	60	40	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
121	5.0	2.6	2.4	214.0	150.5	63.5	59.5	4.0	0	0	C	80	20	0	NA	U	Y	Y	Y	GY	GY	Y	TILL
122	5.0	2.0	3.0	159.1	138.1	21.0	19.8	1.2	1	0	C	85	15	0	NA	U	Y	Y	Y	GY	GYB	Y	TILL
123	6.3	1.5	4.9	366.7	230.4	136.3	136.1	0.2	4	3	C	85	15	0	NA	U	Y	YY	GYOC		GYOC Y		TILL
124	5.8	1.1	4.7	92.1	69.3	22.8	22.2	0.6	7	331	C	85	15	0	NA	U	Y	Y	Y	GY	GY	Y	TILL
125	6.0	0.7	5.3	211.5	195.6	15.9	15.7	0.2	22	114	C	80	20	0	NA	U	Y	Y	Y	LOC	LOC	Y	TILL
126	6.0	1.2	4.8	112.7	99.6	13.1	12.4	0.7	8	148	P	80	20	0	NA	U	Y	Y	Y	GYB	GYB	Y	TILL
127	5.2	1.2	4.0	116.8	102.0	14.8	14.4	0.2	5	67	P	80	20	0	NA	U	Y	Y	Y	GYB	GYB	Y	TILL
128	4.4	0.7	3.7	62.0	37.0	25.0	23.9	1.1	10	94	P	80	20	0	NA	U	Y	Y	Y	GYB	GYB	Y	TILL
129	5.3	0.5	4.8	194.5	186.7	7.7	7.7	0.1	9	82	P	85	15	0	NA	U	Y	Y	Y	GY	GY	Y	TILL
130	3.9	1.1	2.9	81.2	73.0	8.2	6.6	1.6	5	317	P	85	15	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
131	4.8	0.5	4.3	272.0	54.5	217.5	180.8	36.7	0	0	C	0	100	0	NA	S	M,C	-	-	OC	OC	Y	GRAVEL
132	6.5	2.0	4.5	108.1	72.4	35.7	34.9	0.8	36	397	C	90	10	0	NA	U	Y	Y	Y	B	B	Y	TILL
133	4.1	0.6	3.5	77.1	60.1	17.0	15.9	1.1	7	106	P	80	10	10	NA	U	Y	Y	Y	OC	OC	Y	TILL
134	5.7	0.8	4.9	249.3	197.0	52.3	49.8	2.5	6	30	P	90	10	0	NA	U	Y	Y	Y	BN	BN	Y	TILL
135	6.6	0.3	6.3	204.5	164.8	39.7	38.7	1.0	0	0	P	80	20	0	NA	S	+	-	-	OC	BOC	Y	GRAVEL
136	6.5	1.8	4.7	152.8	113.2	39.6	35.6	4.0	9	44	C	80	20	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
137	5.8	1.2	4.6	170.2	116.5	53.7	47.5	6.2	0	0	P	80	20	0	NA	U	Y	Y	Y	GY	GYB	Y	TILL
138	5.6	1.3	4.3	138.1	118.6	21.5	18.9	2.6	13	128	C	20	80	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
139	5.4	1.2	4.2	102.3	92.1	10.2	9.4	0.8	1	3	P	90	10	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
140	8.7	2.2	4.5	145.6	112.4	33.2	30.5	2.7	7	30	C	90	10	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
141	3.9	1.2	2.8	42.3	38.4	3.9	2.5	1.4	3	41	P	90	10	0	0	U	Y	Y	Y	OC	OC	Y	TILL
142	5.3	1.2	4.2	123.9	108.6	15.3	14.5	0.8	5	110	P	80	20	0	0	U	Y	Y	Y	OC	OC	Y	TILL
143	6.6	0.9	5.7	119.6	94.5	25.1	24.0	1.1	11	489	P	70	30	0	0	U	Y	Y	Y	OC	OC	Y	TILL
144	4.9	1.9	3.1	74.3	51.0	23.3	18.5	4.8	0	0	P	85	15	0	0	U	Y	Y	Y	OC	OC	Y	TILL
145	5.1	0.6	4.5	152.0	117.8	34.2	33.5	0.7	4	27	P	60	40	0	0	U	Y	Y	Y	GYB	GYB	Y	TILL
146	5.7	1.7	4.1	57.6	47.8	9.8	9.0	0.8	3	84	P	90	10	0	0	U	Y	Y	Y	GYB	GYB	Y	TILL
147	4.5	0.8	3.7	46.1	35.9	10.2	7.1	3.1	3	133	C	90	10	0	0	U	Y	Y	Y	GY	GY	Y	TILL
148	6.2	1.6	4.7	133.6	82.9	50.7	50.0	0.7	6	28	C	85	15	0	0	U	Y	Y	Y	OCB	OCB	Y	TILL
149	7.0	1.0	6.0	260.3	180.9	79.4	74.1	5.3	3	19	C	85	15	0	0	U	Y	Y	Y	OC	OC	Y	TILL
150	5.9	0.7	5.2	116.8	92.9	23.9	23.4	0.5	5	44	C	85	15	0	0	U	Y	Y	Y	GYB	GYB	Y	TILL
151	5.6	0.6	5.1	136.6	108.7	27.9	27.4	0.5	23	259	C	90	10	0	0	U	Y	Y	Y	GYB	GYB	Y	TILL
152	5.0	2.3	2.7	158.2	110.0	48.2	45.4	2.8	2	4	C	90	10	0	0	U	Y	Y	Y	GYB	GYBN	Y	TILL
153	6.0	1.5	4.6	273.9	167.6	106.3	106.1	0.2	1	4	C	85	15	0	0	U	Y	Y	Y	GG	GG	Y	TILL
154	6.2	2.1	4.2	261.5	207.7	53.8	51.9	1.9	13	40	C	85	15	0	0	U	Y	Y	Y	OC	OC	Y	TILL
155	11.9	2.9	9.0	353.7	308.4	47.3	46.2	1.1	21	301	C	85	15	0	0	U	Y	Y	Y	GY	GY	Y	TILL
156	9.5	4.1	5.4	194.0	151.3	42.7	36.9	5.8	14	41	C	90	10	0	0	U	Y	Y	Y	GYO	GYOC	Y	TILL
157A	5.4	1.8	3.6	214.4	146.6	67.8	64.3	3.5	2	2	C	85	15	0	0	U	Y	Y	Y	GY	GY	Y	TILL
157B	5.9	1.3	4.7	255.5	146.3	109.2	106.1	3.1	2	3	C	65	35	0	0	U	Y	Y	Y	GY	GY	Y	TILL
158	7.9	2.6	5.3	190.4	154.0	36.4	34.7	1.7	6	22	C	90	10	0	0	U	Y	Y	Y	BN	BN	Y	TILL
159	9.6	3.2	6.4	475.1	239.2	235.9	225.1	10.8	9	14	C	85	15	0	0	U	Y	Y	Y	GYO	GYOC	Y	TILL
160	8.6	3.5	5.1	434.9	214.0	220.9	205.7	15.2	5	9	C	90	10	0	0	U	Y	Y	Y	GYG	GYGN	Y	TILL
161	14.4	4.9	9.5	894.1	308.1	586.0	560.1	25.9	25	6	C	90	10	0	0	U	Y	Y	Y	GY	GY	Y	TILL
162	8.8	2.5	6.3	317.6	210.8	106.8	100.3	6.5	12	13	C	40	60	0	0	U	Y	Y	Y	LOC	LOC	Y	TILL
163	8.6	0.6	8.1	278.3	193.9	84.4	83.5	0.9	28	79	C	60	40	0	0	U	Y	Y	Y	LOC	LOC	Y	TILL
164	9.2	2.1	7.2	270.6	166.7	103.9	93.8	10.1	31	49	C	90	10	0	0	U	Y	Y	Y	GY	GB	Y	TILL
165	10.8	4.6	6.2	858.9	835.2	23.7	18.5	5.2	1	10	C	95	5	0	0	S	M,C	-	-	GY	GB	N	SAND
166	10.5	4.4	6.1	366.2	281.9	84.3	80.6	3.7	0	0	C	30	70	0	0	U	Y	Y	Y	GOC	GOC	Y	TILL
167	13.0	3.8	9.2	855.0	495.8	359.2	344.9	14.3	27	29	C	60	40	0	0	U	Y	Y	Y	GY	GY	Y	TILL
168	10.0	2.8	7.2	642.7	404.6	238.1	229.1	9.0	7	3	C	85	15	0	0	U	Y	Y	Y	GY	GY	Y	TILL
169	11.4	5.8	5.7	510.3	398.3	112.0	111.1	0.9	9	11	C	85	15	0	0	U	+	Y	Y	GY	GY	Y	TILL
170	6.6	0.8	5.8	510.8	387.5	123.3	116.8	6.5	23	162	C	10	90	0	0	U	Y	Y	+	OC	OC	Y	TILL
171	11.0	0.8	10.2	732.2	648.5	83.7	83.3	0.4	53	164	C	30	70	0	0	U	Y	Y	+	LOC	B	Y	TILL
172	9.9	2.1	7.9	649.2	609.5	39.7	37.9	1.8	8	270	C	85	15	0	0	U	Y	Y	Y	GOC	OC	Y	TILL
173	9.2	3.1	6.1	599.8	476.4	123.4	118.4	5.0	7	6	C	90	10	0	0	U	Y	Y	Y	GOC	OC	Y	TILL
174	9.4	3.6	5.8	350.5	291.2	59.3	51.8	7.5	10	48	C	90	10	0	0	U	Y	Y	Y	GOC	GOC	Y	TILL
175	9.9	3.6	6.3	523.0	352.7	170.3	164.6	5.7	3	7	C	85	15	0	0	U	Y	Y	Y	BN	BN	Y	TILL
176	12.0	3.8	8.2	567.0	315.7	251.3	245.9	5.4	1	3	C	85	15	0	0	U	Y	Y	Y	BN	BN	Y	TILL
177	8.7	2.4	6.3	375.3	334.1	41.2	34.3	6.9	8	44	C	85	15	0	0	U	Y	Y	Y	LOC	LOC	N	TILL
178	8.6	4.6	4.1	622.6	424.8	197.8	184.5	13.3	4	3	C	85	15	0	0	U	+	Y	Y	LOC	B	N	TILL
179	9.6	3.6	6.1	591.3	509.0	82.3	75.7	6.6	8	19	C	90	10	0	0	U	+	Y	Y	MOC	MOC	Y	TILL
180	9.2	3.5	5.7	632.6	435.0	197.6	191.7	5.9	5	1	C	90	10	0	0	U	+	Y	Y	LOC	LOC	Y	TILL
181	11.9	3.9	8.0	598.7	392.8	205.9	205.2	0.7	6	59	C	60	40	0	NA	U	Y	Y	Y	LOC	LOC	Y	TILL
182	10.6	3.8	6.8	611.9	543.3	68.6	60.8	7.8	4	9	C	90	10	0	NA	U	Y	Y	Y	LOC	LOC	Y	TILL

OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET) TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	WEIGHT (GRAMS DRY) M.I. LIGHTS	M. CONC. TOTAL	I. CON NON MAG	C MAG	A NO. V.G.	AU CALC PPB	SIZE	CLAS V/S	DES T % GR	SCRI % LS	PTIO % OT	N S/U	MATRI SD	X ST	CY	COLOUR SD	COLOUR CY	CR	CLASS
CS 204																							
183	8.6	1.5	7.1	362.3	309.7	52.6	51.0	1.6	10	28	C	75	25	0	NA	U	Y	Y	Y	LOC	LOC	Y	TILL
184	10.2	5.4	4.9	450.2	369.0	81.2	72.8	8.4	6	34	C	85	15	0	NA	S	M,C	-	-	LOC	LOC	Y	GRAVEL
185	8.8	4.2	4.6	617.4	363.8	253.6	171.7	81.9	2	2	C	15	85	0	NA	U	Y	Y	Y	LOC	LOC	Y	TILL
186	9.3	2.7	6.6	807.5	535.6	271.9	265.8	6.1	0	0	C	40	60	0	NA	U	+	Y	Y	GY	GY	Y	TILL
187	10.1	4.4	5.7	478.9	379.6	97.3	92.1	5.2	0	0	C	15	85	0	NA	U	Y	Y	Y	LOC	LOC	Y	TILL
188	9.0	2.9	6.1	715.2	593.3	121.9	114.9	7.0	3	9	C	10	90	0	NA	U	Y	Y	Y	LOC	LOC	Y	TILL
189	9.7	2.6	7.1	638.7	262.7	376.0	369.5	6.5	4	1	C	15	85	0	NA	U	Y	Y	Y	LOC	LOC	Y	TILL
190	8.4	3.1	5.3	467.0	420.3	46.7	46.5	0.2	2	2	C	15	85	0	NA	U	Y	Y	Y	MOC	MOC	N	TILL
191	11.1	3.6	7.5	754.5	582.7	171.8	170.8	1.0	8	10	C	10	90	0	NA	U	Y	Y	Y	MOC	MOC	N	TILL
192	10.6	4.7	5.9	535.8	403.2	132.6	128.6	4.0	2	1	C	60	40	0	NA	U	Y	Y	Y	LOC	LOC	N	TILL
193	9.9	3.3	6.6	581.1	533.4	47.7	39.2	8.5	10	35	C	90	10	0	NA	U	Y	Y	Y	LOC	LOC	N	TILL
194	9.7	1.8	7.9	805.6	752.1	53.5	51.7	1.8	62	893	C	85	15	0	NA	U	Y	Y	Y	LOC	LOC	N	TILL
195	8.9	2.5	6.4	588.4	457.5	130.9	127.8	3.1	4	11	C	80	20	0	NA	U	Y	Y	Y	LOC	LOC	N	TILL
196	8.7	2.2	6.6	668.5	441.0	227.5	220.3	7.2	7	3	C	90	10	0	NA	U	Y	Y	Y	LOC	LOC	N	TILL
197	10.0	3.8	6.3	303.9	214.8	89.1	86.5	2.6	2	1	C	50	50	0	NA	U	Y	Y	Y	BN	BN	Y	TILL
198	9.2	4.7	4.5	249.3	201.2	48.1	44.3	3.8	10	73	C	60	40	0	NA	U	Y	Y	Y	BN	BN	Y	TILL
199	12.0	3.9	8.2	426.3	278.9	147.4	147.1	0.3	30	40	C	85	15	0	NA	U	Y	Y	Y	GY	GY	Y	TILL

OVERBURDEN DRILLING MANAGEMENT LIMITED¶
PICKING FRACTION WEIGHTS

PROJECT: CS 204
TOTAL: 40

SAMPLE NUMBER	SAMPLE WEIGHTS (grams)								
	TOTAL TABLE CONC.	-0.25 MM SIEVED	+0.25 MM FRACTIONS						
			M.I. LIGHTS	TOTAL NONMAG	1.0 TO 1.7 MM	0.5 TO 1.0 MM	0.25 TO 0.5 MM	<0.25 MM	MAG
CS 204									
101	235.9	NA	226.8	9.1	0.5	0.7	1.8	6.1	3.2
102	519.9	NA	493.6	26.3	0.3	1.5	6.0	18.5	6.6
103	384.1	NA	315.0	69.1	0.4	2.4	10.2	56.1	12.0
104	248.8	NA	230.4	18.4	0.1	0.6	4.5	13.2	4.9
105	317.9	NA	189.7	128.2	0.4	1.9	26.4	99.5	4.3
106	136.0	NA	110.5	25.5	0.4	1.1	5.1	18.9	1.8
107	377.6	NA	292.6	85.0	0.4	1.8	13.2	69.6	6.5
108	296.4	NA	258.9	37.5	0.1	0.5	6.1	30.8	7.8
109	366.5	NA	322.2	44.3	0.9	3.7	10.4	29.3	2.9
110	80.4	NA	72.8	7.6	0.1	0.1	0.6	6.9	1.0
111	101.6	NA	64.1	37.5	0.6	1.4	4.9	30.6	0.3
112	83.5	NA	70.2	13.3	0.2	0.1	1.6	11.4	0.1
113	54.3	NA	51.7	2.6	0.0	0.1	0.2	2.3	0.2
114	179.4	NA	111.9	67.5	0.1	0.4	4.6	62.4	0.1
115	117.0	NA	99.4	17.6	0.3	0.7	2.8	13.8	0.1
116	93.8	NA	88.7	5.1	0.1	0.1	0.7	4.3	0.1
117	101.6	NA	95.7	5.9	0.1	0.2	0.9	4.7	0.1
118	272.8	NA	196.7	76.1	0.2	0.9	4.6	70.4	4.1
119	379.0	NA	339.3	39.7	0.2	1.6	7.6	30.3	4.0
120	272.6	NA	258.5	14.1	0.7	2.3	4.8	6.3	3.5
121	210.0	NA	150.5	59.5	0.7	2.2	11.7	44.9	4.0
122	157.9	NA	138.1	19.8	0.1	0.7	2.8	16.2	1.2
123	366.5	NA	230.4	136.1	0.5	4.4	27.7	103.5	0.2
124	91.5	NA	69.3	22.2	0.2	0.5	1.9	19.6	0.6
125	211.3	NA	195.6	15.7	0.1	0.6	2.8	12.2	0.2
126	112.0	NA	99.6	12.4	0.1	0.2	1.0	11.1	0.7
127	116.4	NA	102.0	14.4	0.2	0.3	1.8	12.1	0.2
128	60.9	NA	37.0	23.9	0.1	0.3	1.7	21.8	1.1
129	194.4	NA	186.7	7.7	0.1	0.1	1.2	6.3	0.1
130	79.6	NA	73.0	6.6	0.1	0.1	0.5	6.0	1.6
131	235.3	NA	54.5	180.8	1.0	16.8	76.1	86.9	36.7
132	107.3	NA	72.4	34.9	0.2	1.2	4.3	29.2	0.8
133	76.0	NA	60.1	15.9	0.1	0.1	0.7	15.0	1.1
134	246.8	NA	197.0	49.8	0.6	2.3	8.4	38.5	2.5
135	203.5	NA	164.8	38.7	0.1	0.7	4.4	33.5	1.0
136	148.8	NA	113.2	35.6	0.4	1.3	5.6	28.3	4.0
137	164.0	NA	116.5	47.5	0.2	0.7	3.6	43.0	6.2
138	135.5	NA	116.6	18.9	0.1	0.4	2.4	16.0	2.6
139	101.5	NA	92.1	9.4	0.0	0.1	0.6	8.7	0.8
140	142.9	NA	112.4	30.5	0.1	0.4	4.5	25.5	2.7
141	42.3	NA	38.4	2.5	0.1	0.1	0.3	2.1	1.4
142	123.9	NA	108.6	14.5	0.1	0.5	1.6	12.3	0.8
143	119.6	NA	94.5	24.0	0.1	0.2	1.4	22.3	1.1
144	74.3	NA	51.0	18.5	0.1	0.3	1.7	16.4	4.8
145	152.0	NA	117.8	33.5	0.1	0.5	3.6	29.3	0.7

OVERBURDEN DRILLING MANAGEMENT LIMITED¶
PICKING FRACTION WEIGHTS

PROJECT: CS 204
TOTAL: 40

SAMPLE NUMBER	SAMPLE WEIGHTS (grams) TOTAL TABLE CONC.	-0.25 MM SIEVED	+0.25 MM FRACTIONS M.I. LIGHTS	TOTAL NONMAG	1.0 TO 1.7 MM	0.5 TO 1.0 MM	0.25 TO 0.5 MM	<0.25 MM	MAG
CS 204									
146	57.6	NA	47.8	9.0	0.1	0.1	0.5	8.3	0.8
147	46.1	NA	35.9	7.1	0.1	0.1	0.8	6.1	3.1
148	133.6	NA	82.9	50.0	0.8	2.9	10.8	35.5	0.7
149	260.3	NA	180.9	74.1	1.1	3.6	15.9	53.5	5.3
150	116.8	NA	92.9	23.4	0.1	1.0	3.9	18.4	0.5
151	136.6	NA	108.7	27.4	0.2	0.9	3.8	22.5	0.5
152	158.2	NA	110.0	45.4	0.7	1.8	10.6	32.3	2.8
153	273.9	NA	167.6	106.1	2.6	8.7	22.6	72.2	0.2
154	261.5	NA	207.7	51.9	1.0	5.0	12.0	33.9	1.9
155	353.7	NA	306.4	46.2	0.7	2.3	8.0	35.2	1.1
156	194.0	NA	151.3	36.9	0.1	1.1	6.8	28.9	5.8
157A	214.4	NA	146.6	64.3	0.5	2.3	12.7	48.8	3.5
157B	255.5	NA	146.3	106.1	0.4	3.1	22.6	80.0	3.1
158	190.4	NA	154.0	34.7	0.1	0.3	3.6	30.7	1.7
159	475.1	NA	239.2	225.1	5.1	11.4	36.7	171.9	10.8
160	434.9	NA	214.0	205.7	4.6	13.1	43.5	144.5	15.2
161	894.1	NA	308.1	560.1	10.6	38.2	118.6	392.7	25.9
162	317.6	NA	210.8	100.3	0.9	6.7	26.7	66.0	6.5
163	278.3	NA	193.9	83.5	0.2	1.4	7.1	74.8	0.9
164	270.6	NA	166.7	93.8	1.2	9.4	24.8	58.4	10.1
165	858.9	NA	835.2	18.5	0.6	5.3	9.2	3.4	5.2
166	366.2	NA	281.9	80.6	1.0	5.5	23.8	50.3	3.7
167	855.0	NA	495.8	344.9	4.3	15.3	78.9	246.4	14.3
168	642.7	NA	404.6	229.1	1.1	10.6	57.0	160.4	9.0
169	510.3	NA	398.3	111.1	4.8	15.6	37.6	53.1	0.9
170	510.8	NA	387.5	116.8	0.9	10.0	17.9	88.0	6.5
171	732.2	NA	648.5	83.3	2.9	11.1	21.5	47.8	0.4
172	649.2	NA	609.5	37.9	0.5	1.5	6.4	29.5	1.8
173	599.8	NA	476.4	118.4	2.4	9.1	25.8	81.1	5.0
174	350.5	NA	291.2	51.8	0.5	1.7	7.3	42.3	7.5
175	523.0	NA	352.7	164.6	1.8	7.3	28.7	126.8	5.7
176	567.0	NA	315.7	245.9	1.4	5.6	32.7	206.2	5.4
177	375.3	NA	334.1	34.3	0.3	1.0	4.0	29.0	6.9
178	622.6	NA	424.8	184.5	6.7	20.6	46.7	110.5	13.3
179	591.3	NA	509.0	75.7	0.6	4.2	17.1	53.8	6.6
180	632.6	NA	435.0	191.7	2.1	13.3	52.0	124.3	5.9
181	598.7	NA	392.8	205.2	1.9	18.2	63.6	121.5	0.7
182	611.9	NA	543.3	60.8	1.2	4.9	15.4	39.3	7.8
183	362.3	NA	309.7	51.0	1.9	4.7	14.7	29.7	1.6
184	450.2	NA	369.0	72.8	4.7	4.8	13.3	50.0	8.4
185	617.4	NA	363.8	171.7	12.7	41.4	53.5	64.1	81.9
186	807.5	NA	535.6	265.8	5.7	27.8	77.2	155.1	6.1
187	476.9	NA	379.6	92.1	1.3	6.6	22.3	61.9	5.2
188	715.2	NA	593.3	114.9	0.5	5.2	36.8	72.4	7.0
189	638.7	NA	262.7	369.5	3.4	27.2	102.3	236.6	6.5

OVERBURDEN DRILLING MANAGEMENT LIMITED¶
PICKING FRACTION WEIGHTS

PROJECT: CS 204
TOTAL: 40

SAMPLE NUMBER	SAMPLE WEIGHTS (grams)								
			+0.25 MM FRACTIONS						
	TOTAL TABLE CONC.	-0.25 MM SIEVED	M.I. LIGHTS	TOTAL NONMAG	1.0 TO 1.7 MM	0.5 TO 1.0 MM	0.25 TO 0.5 MM	<0.25 MM	MAG
CS 204									
190	467.0	NA	420.3	46.5	1.3	7.7	16.4	21.1	0.2
191	754.5	NA	582.7	170.8	0.3	7.8	56.1	106.6	1.0
192	535.8	NA	403.2	128.6	1.1	11.8	37.8	77.9	4.0
193	581.1	NA	533.4	39.2	0.1	1.4	11.8	25.9	8.5
194	805.6	NA	752.1	51.7	0.2	1.7	8.7	41.1	1.8
195	588.4	NA	457.5	127.8	2.2	9.0	22.4	94.2	3.1
196	668.5	NA	441.0	220.3	0.8	7.5	60.6	151.4	7.2
197	303.9	NA	214.8	86.5	0.7	3.3	13.7	68.8	2.6
198	249.3	NA	201.2	44.3	0.5	2.2	9.8	31.8	3.8
199	426.3	NA	278.9	147.1	1.9	10.2	37.0	98.0	0.3

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

SAMPLE	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS 204													
101	N	NO VISIBLE GOLD											
102	N	25 X	50 8 C	1						1			
										1	26.3	3	
103	Y	10 X	10 2 C	1				2		3			No sulphides.
		15 X	15 3 C	5				3		8			
		15 X	25 4 C	3						3			
		15 X	50 7 C	1					1	2			
		25 X	25 5 C	6	1					7			
		25 X	50 8 C	2	2					4			
		50 X	50 10 C	1						1			
		50 X	75 13 C	1						1			
		50 X	100 15 C	1						1			
		50 X	125 18 C			1				1			
		150 X	200 34 C	1						1			
										32	69.1	154	
104	Y	15 X	15 3 C			1				1			No sulphides.
		15 X	25 4 C	1						1			
		15 X	50 7 C	1						1			
		25 X	50 8 C	1	1			1		3			
		50 X	50 10 C		1					1			
		50 X	75 13 C	1						1			
		125 X	125 25 C	1						1			
										9	18.4	205	
105	Y	15 X	15 3 C		1					1			No sulphides.
		15 X	25 4 C	1		1				2			
		25 X	50 8 C	2	1	1				4			
		25 X	75 10 C	2						2			
		50 X	75 13 C		1					1			
		75 X	100 18 C	1						1			
										11	128.2	17	
106	N	25 X	25 5 C	1						1			
		50 X	50 10 C	1						1			
		50 X	75 13 C	1						1			
										3	25.5	23	
107	N	NO VISIBLE GOLD											
108	Y	10 X	10 2 C	1						1			No sulphides.
		25 X	25 5 C	1						1			
		50 X	50 10 C	1						1			
		50 X	75 13 C			1				1			
		50 X	100 15 C			1				1			
										5	37.5	33	
109	Y	15 X	15 3 C					1		1			No sulphides.
		25 X	25 5 C	1						1			
		25 X	100 13 C	1						1			
		50 X	75 13 C	1						1			
										4	44.3	18	
110	Y	15 X	15 3 C	1						1			No sulphides.
		15 X	25 4 C	1						1			
		25 X	25 5 C	1				1		2			
		25 X	50 8 C	1						1			
		25 X	100 13 C	1						1			
										6	7.6	69	
111	Y	25 X	25 5 C	1						1			No sulphides.
		25 X	50 8 C	1						1			
		25 X	100 13 C	1						1			
										3	37.5	13	
112	Y	15 X	15 3 C	1						1			No sulphides.
		15 X	75 9 C	2						2			
		25 X	50 8 C	2	1					3			
		25 X	75 10 C	1						1			
		125 X	200 31 C	1						1			
										8	13.3	523	
113	Y	25 X	25 5 C	2						2			No sulphides.
		25 X	50 8 C	1						1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

TOTAL # OF PANNINGS

SAMPLE	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER		THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS 204														
		50 X	75	13 C		1					1			
		50 X	100	15 C	1						1			
		75 X	75	15 C	1						1			
											6	2.6	700	
114	N	NO VISIBLE GOLD												
115	N	25 X	25	5 C	2						2			
		25 X	50	8 C	1						1			
											3	17.6	7	
116	Y	15 X	15	3 C	1						1			No sulphides.
		25 X	25	5 C	3		2				5			
		25 X	50	8 C	1		1				2			
		50 X	50	10 C			1				1			
											9	5.1	95	
117	Y	25 X	25	5 C	3						3			No sulphides.
		25 X	50	8 C	2						2			
											5	5.9	40	
118	N	25 X	25	5 C	2						2			
											2	76.1	1	
119	Y	25 X	25	5 C	4	1					5			No sulphides.
		25 X	50	8 C	1	1					2			
											7	39.7	7	
120	N	NO VISIBLE GOLD												
121	N	NO VISIBLE GOLD												
122	Y	15 X	15	3 C	1						1			
											1	19.8	0	
123	Y	15 X	15	3 C	1						1			No sulphides.
		15 X	75	9 C	1						1			
		25 X	50	8 C	1						1			
		25 X	75	10 C	1						1			
											4	138.1	3	
124	Y	15 X	25	4 C					1		1			No sulphides.
		25 X	25	5 C		1					1			
		25 X	50	8 C				1			1			
		50 X	100	15 C			1	1			2			
		50 X	125	18 C		1					1			
		125 X	175	29 C			1				1			
											7	22.2	331	
125	Y	15 X	15	3 C	2						2			No sulphides.
		15 X	25	4 C			5				5			
		15 X	50	7 C			1				1			
		25 X	25	5 C	1		2	2			5			
		25 X	50	8 C			5				5			
		50 X	50	10 C	2						2			
		50 X	75	13 C	1				1		2			
											22	15.7	114	
126	Y	15 X	25	4 C	1						1			No sulphides.
		15 X	50	7 C			1				1			
		25 X	25	5 C	1						1			
		25 X	50	8 C			2				2			
		50 X	50	10 C		1					1			
		50 X	75	13 C	1						1			
		50 X	125	18 C	1						1			
											8	12.4	148	
127	Y	15 X	25	4 C		1	1				2			No sulphides.
		25 X	75	10 C	1						1			
		50 X	75	13 C		1	1				2			
											5	14.4	67	
128	Y	25 X	25	5 C	2		1				3			No sulphides.
		25 X	50	8 C	2	2					4			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

SAMPLE	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER		THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS 204														
		25 X	75	10 C	1						1			
		50 X	125	18 C	1						1			
		75 X	75	15 C	1						1			
											10	23.9	94	
129	Y	15 X	15	3 C	1						1			No sulphides.
		15 X	25	4 C	2						2			
		25 X	50	8 C	5						5			
		50 X	50	10 C		1					1			
											9	7.7	82	
130	Y	15 X	25	4 C	1						1			No sulphides.
		25 X	75	10 C	1						1			
		50 X	50	10 C	1		1				2			
		100 X	100	20 C		1					1			
											5	6.6	317	
131	N	NO VISIBLE GOLD												
132	Y	15 X	15	3 C					1		1			No sulphides.
		15 X	50	7 C					1		1			The modified gold grains in the
		25 X	25	5 C	3		3		1		7			reshaped-modified population are
		25 X	50	8 C	7	2		1			10			well modified.
		25 X	75	10 C	1						1			
		25 X	100	13 C				1			1			
		50 X	50	10 C	1	1		1		1	4			
		50 X	75	13 C	4	1		1	1		7			
		50 X	225	27 C		1					1			
		75 X	75	15 C	1						1			
		75 X	125	20 C		1					1			
		75 X	175	25 C		1					1			
											38	34.9	397	
133	Y	25 X	25	5 C	1						1			No sulphides.
		25 X	50	8 C	1					1	2			The pristine-modified population
		25 X	75	10 C					1	1	2			appears etched.
		50 X	75	13 C			1				1			
		50 X	75	25 M (electrum)					1		1			
											7	15.9	106	
134	Y	25 X	25	5 C	1						1			No sulphides.
		25 X	50	8 C	1						1			
		25 X	75	10 C		1					1			
		50 X	50	10 C	1						1			
		50 X	75	13 C		1					1			
		50 X	100	15 C		1					1			
											6	49.8	30	
135	N	NO VISIBLE GOLD												
136	Y	25 X	25	5 C	1						1			No sulphides.
		25 X	50	8 C	3	1					4			
		50 X	50	10 C	1	1				1	3			
		75 X	75	15 C	1						1			
											9	35.6	44	
137	N	NO VISIBLE GOLD												
138	Y	25 X	25	5 C	1						1			No sulphides.
		25 X	50	8 C	5	1					6			
		25 X	75	10 C	2						2			
		50 X	100	15 C		2					2			
		75 X	10	9 C	1				1		2			
											13	18.9	128	
139	N	25 X	50	8 C			1				1			
											1	9.4	9	
140	Y	15 X	25	4 C	1	1					2			No sulphides.
		25 X	25	5 C	1				1		2			
		25 X	50	8 C					1		1			
		50 X	75	13 C	1	1					2			
											7	30.5	30	
141	Y	15 X	50	7 C	1						1			NO SULPHIDES
		25 X	25	5 C	2						2			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

SAMPLE	PANNED Y/N	TOTAL # OF PANNINGS MEASUREMENT (MICRONS) DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS 204													
										3	2.5	41	
142	Y	25 X	75 10 C		1					1			NO SULPHIDES
		25 X	125 15 C		1					1			
		50 X	50 10 C	2						2			
		50 X	75 13 C	1						1			
										5	14.5	110	
143	Y	25 X	25 5 C			1				1			NO SULPHIDES
		25 X	50 8 C	4	1					5			
		50 X	50 10 C	1						1			
		50 X	75 13 C	1						1			
		50 X	100 15 C	1	1					2			
		175 X	200 36 C		1					1			
										11	24.0	489	
144	N	NO VISIBLE GOLD											
145	Y	25 X	50 8 C	1		1				2			NO SULPHIDES
		50 X	75 13 C			2				2			
										4	33.5	27	
148	N	15 X	15 3 C	1						1			
		50 X	75 13 C	1		1				2			
										3	9.0	84	
147	N	50 X	50 10 C			1				1			
		50 X	75 13 C	1		1				2			
										3	7.1	133	
148	Y	25 X	25 5 C			2				2			NO SULPHIDES
		25 X	50 8 C			2				2			
		50 X	50 10 C			1				1			
		50 X	125 18 C			1				1			
										6	50.0	23	
149	N	50 X	50 10 C	2						2			
		75 X	100 18 C	1						1			
										3	74.1	19	
150	Y	25 X	25 5 C	1						1			NO SULPHIDES
		25 X	50 8 C	2						2			
		50 X	50 10 C		1					1			
		75 X	75 15 C	1						1			
										5	23.4	44	
151	Y	15 X	15 3 C			1				1			NO SULPHIDES
		15 X	25 4 C	2				1		3			
		25 X	25 5 C			1				1			
		25 X	50 8 C	2		2				4			
		25 X	75 10 C	1	1					2			
		50 X	50 10 C			3		1		4			
		50 X	75 13 C	1			2	1		4			
		50 X	125 18 C	2		1				3			
		75 X	100 18 C			1				1			
										23	27.4	259	
152	N	25 X	50 8 C	2						2			
										2	45.4	4	
153	N	50 X	75 13 C	1						1			
										1	108.1	4	
154	Y	15 X	25 4 C			2				2			NO SULPHIDES
		25 X	25 5 C	2						2			
		25 X	50 8 C	1		2		2		5			
		25 X	75 10 C	2			1			3			
		50 X	125 18 C	1						1			
										13	51.9	40	
155	Y	15 X	25 4 C	1	1		1			3			NO SULPHIDES
		25 X	50 8 C	3					1	4			
		25 X	75 10 C	1		3			1	5			

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

TOTAL # OF PANNINGS

SAMPLE	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER		THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS 204		50 X	50	10 C	2						2			
		50 X	75	13 C		1					1			
		50 X	125	18 C		1	1				2			
		75 X	75	15 C			1				1			
		75 X	150	22 C				1			1			
		100 X	125	22 C			1				1			
		125 X	175	29 C			1				1			
											21	46.2	301	
156	Y	10 X	15	3 C					1		1			NO SULPHIDES
		15 X	25	4 C	1				2		3			
		15 X	50	7 C					1		1			
		25 X	25	5 C					2		2			
		25 X	50	8 C	2	1					3			
		25 X	75	10 C		2					2			
		50 X	75	13 C	1					1	2			
											14	36.9	41	
157A	N	25 X	25	5 C	1						1			
		25 X	50	8 C	1						1			
											2	64.3	2	
157B	N	25 X	50	8 C	1						1			
		25 X	75	10 C	1						1			
											2	106.1	3	
158	N	25 X	25	5 C	2						2			
		25 X	50	8 C	2						2			
		50 X	50	10 C	1						1			
		50 X	75	13 C	1						1			
											6	34.7	22	
159	Y	15 X	15	3 C				1			1			NO SULPHIDES
		15 X	25	4 C	3						3			
		25 X	25	5 C	3						3			
		25 X	50	8 C	1						1			
		100 X	150	25 C	1						1			
											9	225.1	14	
160	N	25 X	50	8 C	4						4			
		100 X	100	20 C	1						1			
											5	205.7	9	
161	Y	15 X	15	3 C	1						1			NO SULPHIDES
		15 X	25	4 C	3	1					4			
		25 X	25	5 C	5	1	1				7			
		25 X	50	8 C	3		2				5			
		25 X	75	10 C	2						2			
		25 X	100	13 C	1						1			
		50 X	50	10 C	1				1		2			
		50 X	75	13 C			1	1			2			
		75 X	75	15 C						1	1			
											25	560.1	6	
162	Y	15 X	15	3 C	1		1				2			NO SULPHIDES
		15 X	25	4 C	1		1		1		3			
		15 X	50	7 C	1						1			
		25 X	25	5 C	2						2			
		25 X	50	8 C	1						1			
		25 X	75	10 C	2						2			
		75 X	75	15 C				1			1			
											12	100.3	13	
163	Y	15 X	15	3 C	1						1			NO SULPHIDES
		15 X	25	4 C	1	1	1				3			
		25 X	25	5 C	3	1					4			
		25 X	50	8 C	5	1					6			
		25 X	75	10 C	3	1					4			
		50 X	50	10 C	2						2			
		50 X	75	13 C	4						4			
		50 X	100	15 C	1						1			
		75 X	75	15 C	1						1			
		75 X	100	18 C	1			1			2			
											28	83.5	79	
164	Y	15 X	15	3 C		2	1				3			NO SULPHIDES

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

TOTAL # OF PANNINGS

SAMPLE	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER		THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS 204														
		15 X	25	4 C	2	2					4			
		15 X	50	7 C	1						1			
		25 X	25	5 C	4	1	1				6			
		25 X	50	8 C	9	1	1				11			
		25 X	75	10 C	1						1			
		50 X	75	13 C	1		1		1		3			
		50 X	100	15 C	1						1			
		75 X	125	20 C		1					1			
											31	93.8	49	
165	N	50 X	50	10 C	1						1			
											1	18.5	10	
166	N	NO VISIBLE GOLD												
167	Y	15 X	15	3 C	4	1					5			NO SULPHIDES
		15 X	50	7 C			1				1			
		25 X	25	5 C	4	1			1		6			
		25 X	50	8 C	5						5			
		50 X	50	10 C	2	1					3			
		50 X	75	13 C	2	1					3			
		50 X	100	15 C		1					1			
		50 X	125	18 C	1						1			
		75 X	100	18 C				1			1			
		125 X	175	29 C		1					1			
											27	344.9	29	
168	Y	15 X	15	3 C	1						1			NO SULPHIDES
		25 X	25	5 C	1		1				2			
		25 X	50	8 C	1		1				2			
		25 X	75	10 C	1						1			
		50 X	50	10 C		1					1			
											7	229.1	3	
169	Y	25 X	25	5 C	2	1					3			NO SULPHIDES
		25 X	50	8 C	2						2			
		25 X	75	10 C	1			1			2			
		50 X	50	10 C	1						1			
		50 X	75	13 C	1						1			
											9	111.1	11	
170	Y	15 X	15	3 C	2				1		3			NO SULPHIDES
		15 X	50	7 C	1			1			2			
		25 X	25	5 C					1		1			
		25 X	50	8 C	1		2				3			
		25 X	100	13 C			1				1			
		50 X	75	13 C	4						4			
		50 X	100	15 C	1		1				2			
		50 X	125	18 C	2						2			
		75 X	100	18 C	1						1			
		75 X	125	20 C	1						1			
		75 X	225	29 C	1						1			
		100 X	100	50 M	1						1			
		100 X	125	22 C	1						1			
											23	116.8	162	
171	Y	15 X	25	4 C	1		2				3			NO SULPHIDES
		25 X	25	5 C	6		2	1			9			
		25 X	50	8 C	13		1	1	1		16			
		25 X	75	10 C	6		1				7			
		25 X	100	13 C	1						1			
		50 X	50	10 C	7		3				10			
		50 X	75	13 C	2						2			
		50 X	100	15 C	1						1			
		50 X	125	18 C	1						1			
		75 X	100	18 C	1						1			
		75 X	175	25 C	1						1			
		100 X	125	22 C	1						1			
											53	83.3	164	
172	Y	10 X	20	3 C		1					1			NO SULPHIDES
		25 X	25	5 C	2	1					3			
		25 X	50	8 C				1			1			
		50 X	50	10 C		1					1			
		50 X	75	13 C	1						1			
		175 X	275	25 M	1						1			
											8	37.9	270	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

SAMPLE	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER		THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS 204														
173	Y	15 X	25	4 C		1					1			NO SULPHIDES
		25 X	25	5 C	1						1			
		25 X	50	8 C	4						4			
		50 X	75	13 C	1						1			
											7	118.4	6	
174	Y	15 X	15	3 C	2				1		3			NO SULPHIDES
		25 X	25	5 C	1	1					2			
		25 X	50	8 C	1				1		2			
		25 X	100	13 C		1					1			
		50 X	75	13 C	1						1			
		75 X	125	20 C	1						1			
											10	51.8	48	
175	N	25 X	25	5 C	1						1			
		25 X	75	10 C			1				1			
		50 X	125	18 C	1						1			
											3	164.6	7	
176	N	50 X	100	15 C	1						1			
											1	245.9	3	
177	Y	15 X	50	7 C	1						1			NO SULPHIDES
		25 X	25	5 C	2						2			
		25 X	50	8 C			1				1			
		50 X	50	10 C	1						1			
		50 X	75	13 C	3						3			
											8	34.3	44	
178	N	25 X	25	5 C	1						1			
		25 X	50	8 C	2						2			
		50 X	75	13 C	1						1			
											4	184.5	3	
179	N	25 X	25	5 C	3						3			
		25 X	50	8 C	1						1			
		50 X	50	10 C	1						1			
		50 X	75	13 C	2					1	3			
											8	75.7	19	
180	N	15 X	25	4 C	1						1			
		25 X	25	5 C	3						3			
		25 X	50	8 C	1						1			
											5	191.7	1	
181	Y	25 X	25	5 C	1						1			NO SULPHIDES
		25 X	50	8 C	2						2			
		50 X	50	10 C	1						1			
		50 X	75	13 C	1						1			
		150 X	250	38 C	1						1			
											6	205.2	59	
182	N	15 X	25	4 C	1						1			
		25 X	50	8 C	2						2			
		50 X	75	13 C	1						1			
											4	60.8	9	
183	Y	15 X	15	3 C	1						1			NO SULPHIDES
		25 X	25	5 C	2						2			
		25 X	50	8 C	3						3			
		25 X	100	13 C	1						1			
		50 X	50	10 C	2						2			
		50 X	75	13 C	1						1			
											10	51.0	28	
184	Y	15 X	25	4 C	1						1			NO SULPHIDES
		25 X	50	8 C	1				1		2			
		50 X	100	15 C	1						1			
		50 X	125	18 C	1						1			
		75 X	75	15 C				1			1			
											6	72.8	34	
185	N	25 X	25	5 C	1						1			
		50 X	75	13 C	1						1			

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

SAMPLE	TOTAL # OF PANNINGS PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER		THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
CS 204														
											2	171.7	2	
186	N	NO VISIBLE GOLD												
187	N	NO VISIBLE GOLD												
188	Y	25 X	25	5 C	1						1			NO SULPHIDES
		50 X	75	13 C			1				1			
		50 X	100	15 C	1						1			
											3	114.9	9	
189	N	25 X	25	5 C	1						1			
		25 X	50	8 C	2						2			
		50 X	50	10 C	1						1			
											4	389.5	1	
190	N	25 X	25	5 C	1						1			
		25 X	50	8 C	1						1			
											2	46.5	2	
191	Y	15 X	50	7 C			1				1			NO SULPHIDES
		25 X	25	5 C	2						2			
		25 X	50	8 C	1						1			
		25 X	75	10 C	1						1			
		50 X	75	13 C	1		1				2			
		75 X	75	15 C	1						1			
											8	170.8	10	
192	N	15 X	25	4 C	1						1			
		25 X	50	8 C			1				1			
											2	128.6	1	
193	Y	15 X	25	4 C	1						1			NO SULPHIDES
		25 X	25	5 C	2						2			
		25 X	50	8 C	2						2			
		50 X	50	10 C	4						4			
		50 X	75	13 C	1						1			
											10	39.2	35	
194	Y	15 X	15	3 C	1		2				3			NO SULPHIDES
		15 X	25	4 C	1						1			
		15 X	50	7 C	1		1				2			
		15 X	100	12 C			1				1			
		25 X	25	5 C	6		2				8			
		25 X	50	8 C	8		1				9			
		25 X	75	10 C	3		1				4			
		25 X	100	13 C			1				1			
		25 X	175	20 C				1			1			
		50 X	50	10 C	2						2			
		50 X	75	13 C	6		2	1			9			
		50 X	100	15 C	4		1				5			
		50 X	125	18 C	2		2				4			
		75 X	75	15 C	1						1			
		75 X	100	18 C	2		1				3			
		75 X	175	25 C		1	1		1		3			
		100 X	100	20 C					1		1			
		100 X	150	25 C	1	1					2			
		125 X	200	25 M	1						1			
		150 X	225	25 M				1			1			
											82	51.7	893	
195	N	50 X	50	10 C	2						2			
		50 X	75	13 C	1						1			
		75 X	75	15 C	1						1			
											4	127.8	11	
196	Y	15 X	25	4 C	1						1			NO SULPHIDES
		25 X	25	5 C	1						1			
		25 X	50	8 C	3						3			
		50 X	50	10 C	2						2			
											7	220.3	3	
197	N	15 X	15	3 C	1						1			
		25 X	50	8 C	1						1			
											2	86.5	1	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

SAMPLE	TOTAL # OF PANNINGS PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER		THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB		REMARKS
CS 204															
198	Y	15 X	15	3 C	3						3				NO SULPHIDES
		25 X	25	5 C	3						3				
		50 X	50	10 C	1		1				2				
		50 X	100	15 C		1					1				
		100 X	125	22 C		1					1				
											10	44.3		73	
199	Y	10 X	10	2 C	2		1				3				NO SULPHIDES
		15 X	15	3 C	4		3				7				
		15 X	25	4 C	4						4				
		25 X	25	5 C	3		1		1		5				
		25 X	50	8 C	5	1	1				7				
		25 X	75	10 C	1						1				
		50 X	75	13 C	1						1				
		50 X	100	15 C		1					1				
		75 X	200	27 C		1					1				
											30	147.1		40	

Project CS204

OVERBURDEN DRILLING MANAGEMENT LIMITED
MMS INDICATOR MINERAL DATA

Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm										Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm					
	>1 amp						<0.45 amp				<1 amp			>1 amp		
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	Remarks
CS204															

Review of the first 20 samples defines two main mineral assemblages:

1) A diabasic pyroxene assemblage, derived from up-ice Nipissing diabase sills, consisting of grey-brown clinopyroxene, pigeonite and hedenbergite *and minor yellow Fe-olivine;*
2) A local mafic gneiss assemblage which due to phase changes within the River Valley Pluton may include some or all of the following minerals in varying quantities:
   - elongate, tabular orthopyroxenes (orange-brown & brown hypersthene and bronze-brown bronzite)
   - yellow-brown Fe-olivine
   - transparent-very pale brown, colourless, and very pale green epidote
   - bright red rutile
   - ilmenite
   - hornblende
   - garnet

   Hornblende and garnet are also contributed by the supracrustal gneisses hosting the pluton.

101	0	1	0	Tr. (1 gr.)	0	0	5	0	0	0	Tr.	Tr. (1 gr.)	0	0		Mixed grey-brown diabasic pyroxene (dominant) and mafic gneiss assemblages. SEM ch from >1.0 mm 1 diabasic rock chip consisting of with grey-brown pyroxene and plagioclas laths = pigeonite + plagioclase. SEM check from 0.5-1.0 mm 1 diabasic rock chip with grey-brown pyroxene = hedenbergit + plagioclase. Note: The large (>1.0 mm) rock chip was polished to a flat surface and 10 pyroxene sites within the chip were analysed and mappe using the SEM. 9 of the 10 sites confirmed pigeonite (low Ca) the other (slightly darker grey-brown) analysed *augite-hedenbergite (high Ca).* In a similar polished chip prepared from the pebble fraction, the grey-brown pyroxene is augite to rarely *pigeonite reflecting* compos-itional layering in the Nip-issing diabase source sills. In the 0.25-0.5 mm fraction the pigeonite is dominantly grey-brown and variably pale brown to brown. The latter resembles pale brown orthopyroxene of an unmetamorphosed mafic pluton which tend to be short and stubby as opposed to elongate tabular orthopyroxene of the mafic gneiss assemblage. SE checks from 0.25-0.5 mm: 4 yellow Fe-olivine = 4 olivine (occasionally attached to plagioclase); 4 pale brown orthopyroxene candidates = 4 pigeonite; 5 brown and slightly pale brown orthopyroxene candidates = 5 pigeonite; 4 grey-brown clinopyroxene candidates = 2 hedenbergite, 2 pigeonite; 1 colourless and 1 very pale green transparent epidote candidates = 2 epidote; 1 yellow transparent epidote candidate = grossular; 1 dark brown glassy grain = andradite; 1 red rutile candidate = rutile + sphene. SEM check from 0.5-1.0 mm: 2 brown hedenbergite + plagioclase candidates = 1 hedenbergite + plagioclase.

Project CS204

OVERBURDEN DRILLING MANAGEMENT LIMITED
MMS INDICATOR MINERAL DATA

Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm										Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm				Remarks
					>1 amp		<0.45 amp				<1 amp	>1 amp			
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	% Olivine Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	
CS204															1 pigeonite + plagioclase.¶
102	75	Tr.	0	Tr. (17 gr.)	0	0	5	0	0	Tr. (1 gr.)	Tr.	Tr. (1 gr.)	0	0	Mixed mafic gneiss and grey-brown diabasic pyroxene assemblages. SEM check fro 0.25-0.5 mm: 3 very pale brow epidote candidates = 3 epidote; 3 pale brown clinopyroxene candidates = 3 pigeonite.¶
103	35	Tr.	0	Tr. (6 gr.)	0	0	4	0	0	0	Tr.	0	0	0	Dominant mafic gneiss assemblage.¶
104	75	Tr.	0	Tr. (2 gr.)	0	0	6	1	0	0	0	Tr. (3 gr.)	0	0	Mixed mafic gneiss and grey-brown diabasic pyroxene assemblages. Picked from 0.25-0.5 mm 1 purple pyrope and 1 emerald green chrome diopside (vialed separately).¶
105	65	Tr.	0	Tr.	0	0	1	3	0	0	0	0	0	0	Dominant mafic gneiss assemblage (hornblende-rich).
106	70	Tr.	0	Tr.	0	0	6	1	0	0	0	Tr.	0	0	Dominant mafic gneiss assemblages.¶
107	30	Tr.	0	Tr.	0	0	2	4	0	0	0	0	0	0	Dominant mafic gneiss assemblage (hornblende-rich). Picked 2 purple pyrope from 0.25-0.5 mm.¶
108	70	Tr.	Tr.	Tr. (4 gr.)	0	0	1	5	3 (hyper-sthene)	0	0	0	0	0	Dominant mafic gneiss assemblage. Picked 1 Cr-diopside from 0.25-0.5 mm. SEM check from 0.25-0.5 mm of many pale brown slightly elongate orthopyroxene cand-idates = 2high Ca hypersthene (~5 mol % Ca).¶
109	80	Tr.	Tr.	Tr.	0	0	0	2	3 (bronzite)	0	0	0	0	0	Dominant mafic gneiss assemblage.¶
110	60	Tr.	0	Tr.	0	0	1	2	4 (hyper-sthene)	0	0	0	0	0	Dominant mafic gneiss assemblage. SEM check from 0.25-0.5 mm: 2 of many brown elongate orthopyroxene cand-idates = 2 high Ca hyper-sthene; 1 grey-brown clino-pyroxene candidate = 1 heden-bergite.
111	30	0	0	Tr.	0	0	0	0	3 (hyper-sthene)	0	0	0	0	0	Dominant mafic gneiss assemblage.¶
112	70	Tr.	0	0.5 (5 gr.)	0	0	Tr.	Tr.	2 (hyper-sthene)	Tr. (1 gr.)	0	0	0	0	Dominant mafic gneiss assemblage. SEM checks fro 0.25-0.5 mm: 3 of many orange brown hypersthene candidates 2 hypersthene, 1 pigeonite; 1 splendent black CR candidate 1 crustal chromite (high Ti).¶

Project CS204

OVERBURDEN DRILLING MANAGEMENT LIMITED
MMS INDICATOR MINERAL DATA

Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm										Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm					
				>1 amp			<0.45 amp				<1 amp			>1 amp		
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	% Olivine Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	Remarks
CS204															
113	30	0	0	0	0	0	2	0	0	0	0	0	0	0	Undersized fractions. Dominant mafic gneiss assemblage.¶
114	65	0	0	0.5 (9 gr.)	0	0	0	0	2 (hyper-sthene)	0	0	0	0	0	Dominant mafic gneiss assemblage.¶
115	55	1	0	Tr.	0	0	Tr.	Tr.	5 (hyper-sthene)	0	0	0	0	0	Dominant mafic gneiss assemblage.¶
116	40	0	0	0	0	0	Tr.	Tr.	20 (bronzite)	0	0	0	0	0	Dominant mafic gneiss assemblage. SEM check from 0.25-0.5 mm: 2 of many bronze brown orthopyroxene candidate = bronzite; 5 pale orange to orange spessartine candidates = 1 almandine, 4 CaMn almandine (Ca/Mn/Fe ~30/10/60..¶
117	35	1	2	Tr. (2 gr.)	0	0	0	3	3 (bronzite)	0	0	Tr.	0	0	Dominant mafic gneiss assemblage. SEM check from 0.25-0.5 mm: 3 of many yellow-brown hypersthene candidates 3 Fe-olivine.¶
118	40	1	0	Tr.	1 blue	0	0	15	2 (bronzite)	0	0	0	0	0	Dominant mafic gneiss assemblage. SEM check from 0.25-0.5 mm: 1 blue spinel for Zn = lost before analysis.¶
119	75	Tr.	0	0.5	0	0	0	15	Tr. (hyper-sthene)	0	0	0	0	0	Dominant mafic gneiss assemblage.¶
120	0	1	0	Tr. (3 gr.)	0	0		15-20	Tr. (hyper-sthene)	Tr. (2 gr.)	0	2-3 (~20 gr.)	0	0	Dominant mafic gneiss assemblage. Picked from 0.25-0.5 mm 1 pale pyrope and 1 pale emerald green low Cr-diopside. SEM check from 0.25-0.5 mm 3 yellow brown olivine candidates = Fe olivine; 1 grey-brown clinopyroxene candidate = pigeonite.¶ ¶
121	20	0.5	0.5	1.5 (~35 gr.)	0	0	7	3	4 (hyper-sthene/ bronzite)	Tr. (1 gr.)	Tr.	Tr. (2 gr.)	0	0	Dominant mafic gneiss assemblage. Picked 10 of 35 red rutile (0.25-0.5 mm). Picked from 0.25-0.5 mm 1 purple pyrope.¶
122	5	2	2	Tr. (2 gr.)	0	0	5	2	5 (bronzite/ hyper-sthene)	0	0	Tr. (1 gr.)	0	0	Dominant mafic gneiss assemblage.¶
123	60	Tr.	0	2 (~40 gr.)	0	0	Tr.	Tr.	10 (hyper-sthene)	0	0	Tr. (2 gr.)	0	0	Dominant mafic gneiss assemblage (hornblende-rich). Picked 10 of 40 red rutile (0.25-0.5 mm)
124	Tr.	4	0	0	0	0	8	0	3 (hyper-sthene)	0	0	0	0	0	Mixed grey-brown diabasic pyroxene and mafic gneiss assemblages. SEM check fro 0.25-0.5 mm 1 yellow olivine + dark brown pyroxene = olivine + hedenbergite.¶
125	5	0.5	0	0	0	0	Tr.	Tr.	Tr.	0	0	Tr. (1 gr.)	0	0	Mixed grey-brown diabasic pyroxene and mafic gneiss

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Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm									Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm					
	>1 amp						<0.45 amp			<1 amp			>1 amp		
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	% Olivine Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	Remarks
CS204															assemblages. Picked from 0.25-0.5 mm 1 purple pyrope.¶
126	15	0.5	0	Tr. (1 gr.)	0	0	5	Tr.	1 (hyper-sthene-bronzite)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage.¶
127	8	1	2	Tr. (1 gr.)	0	0	Tr.	Tr.	0	0	Tr.	0	0	0	Mixed grey-brown diabasic pyroxene and mafic gneiss assemblages.¶
128	35	0	0	7 (14 gr.)	0	0	Tr.	Tr.	0	0	0	0	0	0	Dominant mafic gneiss assemblage. Abundant hornblende and dark green clinopyroxene (augite).¶
129	15	1	0	1 (1 gr.)	0	0	0	0	2 (hyper-sthene/ bronzite)	0	0	0	0	0	Dominant mafic gneiss assemblage. Abundant hornblende and dark green augite.
130	45	1	0	4 (5 gr.)	0	0	4	1	10 (hyper-sthene + bronzite)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage.¶
131	2	0	0	0	0	0	0	90	30 (hyper-sthene/ bronzite in 0.45-0.8 amp)	0	0	0	0	0	Olivine-rich mafic gneiss assemblage. SEM check from 0.25-0.5 mm: 5 yellow-brown olivine candidates (various shades) = Fe olivine; 1 green spinel candidate = augite.¶
132	30	0.5	0	Tr. (3 gr.)	0	0	0	8	15 (bronzite-hyper-sthene)	0	0	0	0	0	Mafic gneiss assemblage.¶
133	0	0	0	0.5 (1 gr.)	0	0	3	0.5	3 (hyper-sthene)	0	Tr.	0	0	0	Mixed mafic gneiss and grey-brown diabasic pyroxene assemblages (undersized fractions).¶
134	0	0	2	0	0	0	1	0	Tr.	0	Tr.	0	0	0	Dominant brown diabasic pyroxene assemblage.¶
135	0	Tr.	Tr.	0	0	0	3	1	7 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage. ~15% dark green augite in <1 amp.¶
136	0.5	Tr.	Tr.	Tr. (3 gr.)	0	0	3	1	25 (bronzite-hyper-sthene)	0	Tr.	Tr. (1 gr.)	0	0	Dominant mafic gneiss assemblage. ~5% dark green augite in <1 amp.¶
137	Tr.	0	Tr.	Tr. (1 gr.)	0	0	3	1	25 (bronzite)	Tr. (1 gr.)	Tr.	0	0	0	Dominant mafic gneiss assemblage. SEM check from 0.5-1.0 mm 1 pitted black-grey grain = ilmenite + augite.¶
138	5	0	0	0	0	0	15	0	0	0	Tr.	0	0	0	Dominant grey-brown diabasic pyroxene assemblage. Picked purple pyrope from 0.25-0.5 mm. SEM check from 0.25-0.5 2 composite grains: yellow olivine + grey-brown pyroxene = 2 Fe-olivine + augite/ hedenbergite.¶

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Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm									Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm					
					>1 amp			<0.45 amp			<1 amp			>1 amp	
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	Remarks
CS204															
139	5	0	0	0	0	0	Tr.	0	2 (hyper-sthene)	0	Tr.	1 (1 gr.)	0	0	Undersized fractions. Mixed grey-brown diabasic pyroxene and mafic gneiss assemblages
140	35	0	0	2 (12 gr.)	1 pale blue	0	3	0	0	0	0	0	0	0	Mixed grey-brown diabasic pyroxene and mafic gneiss (hornblende-rich) assemblages SEM check from 0.25-0.5 mm 1 pale blue spinel for Zn = 1 spinel (no Zn).
141	0	0	5 (4 gr.)	0	0	0	10	0	0	0	Tr.	1 (1 gr.)	0	0	Undersized fractions. Dominant grey-brown diabasic pyroxene assemblage.¶
142	0	0	3	0	0	0	5	0	0	Tr. (1 gr.)	Tr.	0	0	0	Dominant grey-brown diabasic pyroxene assemblage.¶
143	35	Tr.	0	Tr. (3 gr.)	0	0	Tr.	0	3 (bronzite/ hyper-sthene)	0	0	0	0	0	Dominant mafic gneiss assemblage.¶
144	4	0	0	0	0	0	8	0	0	0	Tr.	0	0	0	Mixed grey-brown diabasic pyroxene and mafic gneiss assemblages. Picked from 0.25-0.5 mm 1 purple pyrope.¶
145	35	0	0	4 (~200 gr.)	0	0	0	0	0.5 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage (dark green augite + hornblende-rich). Picked 10 of ~200 red rutile from 0.25-0.5 mm.
146	0	Tr.	0	0	0	0	1	0.5	4 (hyper-sthene)	0	Tr.	0.5 (3 gr.)	0	0	Mixed grey-brown diabasic pyroxene (dominant) and mafic gneiss assemblages.¶
147	0	0	0	Tr. (1 gr.)	0	0	25	0	0	0	Tr.	Tr. (1 gr.)	0	0	Dominant grey-brown diabasic pyroxene assemblage. Picked purple pyrope from 0.25-0.5 mm.¶
148	25	Tr.	8-10	1-2 (~50 gr.)	0	0	2	0	3 (hyper-sthene)	0	Tr.	0	Tr. (1 gr.)	0	Garnet+hornblende+augite-rich mafic gneiss assemblage. Picked 10 of ~50 red rutile. SEM check from 0.25-0.5 mm: orange monazite or staurolite candidates = 1 epidote (lighter), 3 staurolite; 1 pale brown hypersthene candidate = hypersthene or bronzite; 1 dark brown grain = probable hornblende; 1 chalcopyrite candidate = chalcopyrite.¶
149	20	0	0	Tr. (15 gr.)	0	0	1	0	0	0	Tr.	0	0	0	Dominant hornblende-rich mafi gneiss assemblage.¶
150	20	0	0	Tr. (3 gr.)	0	0	0	0	1-2 (bronzite/ hyper-	0	Tr.	0	0	0	Hornblende+augite-rich mafic gneiss assemblage.¶

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Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm										Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm				Remarks
	>1 amp						<0.45 amp				<1 amp		>1 amp		
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	% Olivine Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	
CS204															
									sthene)						
151	15	0	2	Tr. (6 gr.)	0	0	Tr.	0	0	0	Tr.	0	0	0	Mixed mafic gneiss (dominant) and grey-brown diabasic pyroxene assemblages.¶
152	20	0	3-4	0.5 (~50 gr.)	0	0	8	2	2 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage (garnet + hornblende-rich). Picked 10 of 50 red rutile. Picked 1 DC from 0.25-0.5 mm.¶
153	7	Tr.	7	Tr. (11 gr.)	0	0	Tr.	Tr.	4-5 (bronzite/ hyper-sthene)	0	Tr.	Tr.	0	0	Mafic gneiss assemblage (garnet + hornblende + augite-rich). SEM check from 0.5-1.0 mm 1 pale brown hypersthene candidate = 1 hypersthene. SEM check from 0.25-0.5 mm: 3 pale orange-brown orthopyroxene candidates = 1 Al-bronzite, 2 bronzite; 1 green-brown grain = augite; 2 black chromite candidates = 2 ilmenite.¶
154	15	0	4	0.5 (~45 gr.)	0	0	1	Tr.	2 (hyper-sthene)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage (dark green augite-rich). Picked 10 of ~45 red rutile. Picked 1 purple pyrope from 0.25-0.5 mm.¶
155	8	Tr.	0	Tr. (1 gr.)	0	0	3	0	1-2 (hyper-sthene)	Tr. (1 gr.)	Tr.	0	0	0	Mixed mafic gneiss (dominant) and grey-brown diabasic pyroxene assemblages. Picke from 0.25-0.5 mm 2 purple pyrope.¶
156	5	Tr.	0	Tr. (2 gr.)	0	0	0	25	3 (bronzite/ hyper-sthene)	Tr. (3 gr.)	Tr.	Tr.	0	0	Dominant mafic gneiss assemblage (hornblende-rich)¶
157A	75	0	0	Tr. (7 gr.)	0	0	Tr.	10	2 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage (hornblende-rich). Picked 2 purple pyrope from 0.25-0.5 mm. SEM check from 0.25-0.5 mm 3 brown olivine candidates = 3 fayalite olivine.¶
157B	80	0	0	Tr. (8 gr.)	0	0	2	8-10	2 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage (hornblende-rich).
158	15-20	Tr.	Tr.	Tr. (9 gr.)	0	0	3	0	0	0	Tr.	0	0	0	Dominant mafic gneiss assemblage (hornblende-rich).
159	15	2-3	4	0.3 (~35 gr.)	0	0	1	8-10	1-2 (hyper-sthene)	0	Tr.	0	0	0	Garnet + hornblende + augite-rich mafic gneiss assemblage. Picked 10 of ~35

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Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm									Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm					Remarks
	>1 amp						<0.45 amp			<1 amp		>1 amp			
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	% Olivine Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	
CS204															
															red rutile. Picked 2 purple pyrope from 0.25-0.5 mm. Staurolite is reddish-orange.¶
160	70	1-2	5	0.4 (~60 gr.)	0	0	0	5	1-2 (hyper-sthene)	0	Tr.	0	0	0	Garnet + hornblende-rich mafic gneiss assemblage. Picked 10 of 60 red rutile from 0.25-0.5 mm.¶
161	70	1-2	4-5	0.4 (~120 gr.)	0	0	0	5	1-2 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Garnet + hornblende-rich mafic gneiss assemblage (oversized fractions mainly due to garnet + hornblende). Picked 10 of ~120 red rutile from 0.25-0.5 mm.¶
162	10	0.5	2-3	Tr. (7 gr.)	0	0	3	0	1 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage (hornblende + garnet-rich).¶
163	8	0	2	Tr. (4 gr.)	0	0	Tr.	Tr. (bronzite/ hyper-sthene)	7	Tr. (1 gr.)	Tr.	0	0	0	Dominant mafic gneiss assemblage (hornblende-rich).¶
164	5	0	Tr.	0	0	0	5	0	0	0	Tr.	0	0	0	Mixed hornblende-rich mafic gneiss and grey-brown diabasic pyroxene assemblages. Picked 1 Cr-diopside from 0.25-0.5 mm.¶
165	0	1	0	0	0	0	5	0	Tr.	0	Tr.	0	0	0	Dominant grey-brown diabasic pyroxene assemblage. SEM check from 0.25-0.5 mm: 2 grey-brown clinopyroxene candidates = 2 augite; 1 pale brown and 3 brown pigeonite candidates = 2 pigeonite (1 pale brown, 1 brown), and 2 augite.
166	40	Tr.	Tr.	Tr. (4 gr.)	0	0	Tr.	0	Tr. (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Mixed hornblende-rich mafic gneiss (dominant) and grey-brown diabasic pyroxene assemblages (oversized fractions).¶
167	65	Tr.	Tr.	Tr. (~35 gr.)	0	0	1	1	3-4 (bronzite/ hyper-sthene)	0	Tr.	Tr. (2 gr.)	0	0	Dominant hornblende + garnet-rich assemblage (oversized fractions). Picked 10 of ~35 red rutile.¶
168	30	Tr.	1	Tr. (4 gr.)	0	0	4	0	Tr. (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant hornblende + augite + garnet-rich mafic gneiss assemblage (oversized fractions).¶
169	70	Tr.	4	Tr. (21 gr.)	0	0	0	0	4 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant hornblende + garnet-rich mafic gneiss assemblage. Picked 10 of 21 red rutile.¶
170	4	0	1	Tr. (2 gr.)	0	0	0	Tr.	Tr. (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage. Mainly hornblende with lesser pale green to green clinopyroxene which is possibly locally derived from metagabbro (O.G.S. map unit - 37c). >1 amp dominated

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Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm										Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm					
					>1 amp			<0.45 amp			<1 amp			>1 amp		
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	% Olivine Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	Remarks
CS204															
															by pale green + green clino-pyroxene and brown sphene.
171	65	0.5	0	Tr. (4 gr.)	0	0	0	0	0	0	Tr.	0	0	0	Dominant augite (dark green) + hornblende-rich mafic gneiss assemblage.¶
172	3	Tr.	1-2	Tr. (2 gr.)	0	0	8	0	2-3 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Mixed mafic gneiss and grey-brown diabasic pyroxene (dominant) assemblages.¶
173	45	0.5	4-5 (75 gr.)	0.3	1 blue gahnite	0	2	8	2-3 (bronzite/ hyper-sthene)	0	Tr.	Tr. (3 gr.)	0	0	Mixed hornblende-rich mafic gneiss (dominant) and grey-brown diabasic pyroxene assemblages. Picked 10 of ~75 red rutile and 1 pale brown to white sillimanite from 0.25-0.5 mm. SEM check from 0.25-0.5 mm 1 blue spinel for Zn = gahnite.¶
174	15	Tr.	0.5 (11 gr.)	Tr.	1 deep blue-green gahnite	0	Tr.	25	7 (bronzite)	Tr. (1 gr.)	0	0	0	0	Dominant hornblende-rich mafic gneiss assemblage. SEM checks 0.5-1.0 mm: 3 of 10 representative pale brown pyroxene = 3 bronzite; 0.25-0.5 mm: 1 blue-green spinel = Fe gahnite, 1 chromite candidate = chromite.¶
175	75	0	0	Tr. (4 gr.)	0	0	2	1	0	0	0	0	0	0	Dominant hornblende-rich mafic gneiss assemblage. Picked 2 chalcopyrite from +1.0 mm and 1 chalcopyrite from 0.5-1.0 mm.¶
176	85	Tr.	0	Tr. (1 gr.)	0	0	1	1	Tr.	0	Tr. (bronzite)	0	0	0	Mafic gneiss assemblage rich in hornblende, orange garnet and transparent pale brown to colourless epidote which occur together in lithic grains in 1.0-2.0 mm fraction. Orthopyroxene most abundant in 0.5-1.0 mm fraction (1%).¶
177	0	Tr.	Tr.	0	0	0	80	0	0	0	Tr.	0	0	0	Yellow + yellow-green olivine-rich grey-brown diabasic pyroxene assemblage. 1.0-2.0 mm and 0.5-1.0 mm fractions contain many olivine diabase lithic grains. Picked 1 purple pyrope from 0.25-0.5 mm.
178	35	Tr.	2 (~60 gr.)	0.3	0	0	15	0	1 (bronzite; includes	0	Tr.	0	0	0	Mixed hornblende + garnet-rich mafic gneiss (dominant) and grey-brown

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Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm									Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm					Remarks
					>1 amp			<0.45 amp		<1 amp			>1 amp		
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	
CS204									gedrite amphibole)						diabasic pyroxene assemblages. Picked 1 chalcopyrite from +1.0 mm. Selected 10 of ~60 red rutile from 0.25-0.5 mm. Picked 3 purple pyrope from 0.25-0.5 mm. SEM check from +1.0 mm:1 dark brown fibrous anthophyllite candidate = gedrite, 1 bronzite candidate = gedrite; from 0.5-1.0 mm: 1 bronzite candidate = gedrite. (Note: gedrite is the amphibole-equivalent of orthopyroxene).
179	10	Tr.	7	0.3 (~55 gr.)	0	0	0	25	4-5 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Hornblende + garnet-rich mafic gneiss assemblage. Picked 10 of ~55 red rutile. SEM check from 0.25-0.5 mm 1 composite grain red rutile + pale green-brown epidote candidate = red rutile + gedrite.
180	70	Tr.	0.5	Tr. (16 gr.)	0	0	0	12	2-3 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Hornblende + garnet-rich mafic gneiss assemblage. Picked 1 purple pyrope from 0.25-0.5 mm.¶
181	7	0.5	3	Tr. (10 gr.)	0	0	0	0	Tr. (bronzite)	0	Tr.	0	0	0	Hornblende-rich mafic gneiss assemblage. ~30% brown sph in >1 amp.¶
182	10	0	0	Tr. (3 gr.)	0	0	5	0	Tr. (bronzite)	0	Tr.	0	0	0	Mixed hornblende-rich mafic gneiss (dominant) and grey-brown diabasic pyroxene assemblages.¶
183	10	0	5	Tr. (7 gr.)	0	0	5	3	5 (bronzite)	0	Tr.	0	0	0	Dominant garnet + hornblende-rich mafic gneiss assemblage. SEM check from 0.25-0.5 mm 1 hematized pyroxene candidate = olivine (fayalite).
184	5	Tr.	Tr.	0	0	0	0	4	7-10 (bronzite)	0	Tr.	0	0	0	Mixed mafic gneiss (dominant) and grey-brown diabasic pyroxene assemblages. Picke 2 chrome diopside and 1 purpl pyrope from 0.25-0.5 mm.¶
185	15	Tr.	0	0	0	0	0	80	0.5-1 (bronzite)	0	Tr.	0	0	0	Rusty yellow-brown olivine-rich mafic gneiss assemblage (oversized conc.). SEM mapp 1 representative gabbroic rock chip from +1.0 mm. Dominant minerals are dark brown augite > plagioclase > rusty yellow-brown fayalite with accessory minerals ilmenite > apatite. SEM check from 0.25-0.5 mm: 5 rusty yellow-brown olivine candidates = 5 fayalite; 3 dark brown representative pyroxene = 2 augite, 1 hedenbergite; 2 pale brown orthopyroxene candidates = 2 bronzite.
186	3	Tr.	Tr.	Tr. (9 gr.)	0	0	3	1	3 (bronzite/	0	Tr.	0	0	0	Dominant hornblende + dark green diopside-rich mafic to

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Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm										Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm					
					>1 amp			<0.45 amp			<1 amp		>1 amp			
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	Brown	% Ortho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	Remarks
CS204									hyper-sthene)						calc-silicate assemblage (over-sized fractions). >1 amp consists mainly of green diop-side and ~15% brown sphene and 5-10% white to very pale blue apatite. Picked 1 purple pyrope from 0.25-0.5 mm.¶
187	4	Tr.	3	Tr. (13 gr.)	0	0	4	1	5 (bronzite/ hyper-sthene)	0	Tr.	0	0	0	Dominant hornblende + garnet-rich mafic gneiss assemblage. SEM check 2 wh and 2 very pale blue apatite candidates from 0.25-0.5 mm = 1 grossular (white), 1 apatite (white), 2 apatite (pale blue). Estimate 10-15% apatite in >1 amp fraction.¶
188	7	0.5	2	Tr. (12 gr.)	0	0	8	0	2-3 (bronzite/ gedrite)	0	Tr.	Tr. (1 gr.)	0	0	Dominant hornblende + garnet-rich mafic gneiss assemblage. Picked 2 purple pyrope from 0.25-0.5 mm.¶
189	10	Tr.	30	0.4 (~50 gr.)	0	0	1	1	1 (bronzite/ gedrite)	0	Tr.	0	0	0	Hornblende + garnet + dark green augite-rich mafic gneiss assemblage. Picked 10 of ~50 red rutile. Picked from 0.25-0.5 mm 2 purple pyrope (KIMs).¶
190	15	Tr.	10	Tr. (7 gr.)	0	0	0	0	7-10 (bronzite/ gedrite)	0	Tr.	0	0	0	Garnet + hornblende-rich mafic gneiss assemblage. SEM che from 0.25-0.5 mm 1 grey-green spinel candidate = diopside.¶
191	20	Tr.	3	Tr. (5 gr.)	0	0	0	0	2 (bronzite)	0	Tr.	0	0	0	Hornblende + garnet-rich mafic gneiss assemblage.¶
192	8	Tr.	Tr.	Tr. (6 gr.)	0	0	8	0	3 (bronzite)	0	Tr.	0	0	0	Dominant hornblende + garnet diopside-rich mafic to calc-silicate gneiss assemblage. >1 amp dominated by green diopside, brown sphene, white to very pale blue apatite. Picked 1 purple pyrope from 0.25-0.5 mm.
193	0	Tr.	0	0	0	Tr. Mn-grossular (1 gr.)	13	0	0	0	2	Tr. (2 gr.)	0	0	Grey-brown diabasic pyroxene assemblage. Goethite mainly pelletal. Picked from 0.5-1.0 mm: 3 picroilmenite (2 with perovskite rind), and 1 emerald green chrome diopsid Picked from 0.25-0.5 mm: 3 purple pyrope, and 1 emerald green chrome diopside. SEM check from 0.25-0.5 mm: 2 bla splendent chromite candidates = 1 tourmaline, 1 chromite (grain lost after analysis); 1 red Cr-spinel candidate = Fe grossular (very low Mn).¶
194	1	1	0	Tr. (1 gr.)	0	0	1	Tr.	5-7 (hyper-sthene/ bronzite)	0	Tr.	0	0	0	Mixed grey-brown diabasic pyroxene (dominant) and mafic gneiss assemblages. SEM ch from 0.5-1.0 mm: 3 pale orange-brown orthopyroxene candidates = 3 hypersthene; 1 pale brown orthopyroxene candidate = 1 bronzite. Picked from 0.25-0.5 mm: 1 black

Project CS204

OVERBURDEN DRILLING MANAGEMENT LIMITED
MMS INDICATOR MINERAL DATA

Sample No.	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm										Sulphide/Arsenide + Related Minerals: 0.25-0.5 mm				
					>1 amp			<0.45 amp			<1 amp		>1 amp		
	% Epd.	% St.	% Ky.	% Red Rut.	# Grains + Colour Spinel	Other	% Olivine Yellow	Brown	% Crtho-pyx.	% Cr.	% Goet.	% Py.	% Cpy.	Other	Remarks
CS204															splendent picroilmenite, 4 purple pyrope, and 1 emerald green chrome diopside.
195	8	Tr.	1	Tr. (13 gr.)	0	0	5	7	1-2 (bronzite)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage. Picked 1 pale purple pyrope from 0.25-0.5 mm.¶
196	40	Tr.	0	Tr. (15 gr.)	0	0	2	1	1	0	Tr.	0	0	0	Dominant hornblende + augite-rich mafic gneiss assemblage. Picked 1 chrome diopside from 0.25-0.5 mm.¶
197	8	Tr.	Tr.	Tr. (3 gr.)	0	0	4	0	5-7 (bronzite/ gedrite)	0	Tr.	0	0	0	Dominant mafic gneiss assemblage.¶
198	7-10	Tr.	Tr.	0	0	0	4	2	1 (bronzite)	0	Tr.	Tr. (2 gr.)	0	0	Dominant mafic gneiss assemblage.¶
199	7-10	Tr.	Tr.	Tr. (1 gr.)	0	0	Tr.	0	Tr. (bronzite)	0	Tr.	0	0	0	Garnet + hornblende-rich mafic gneiss assemblage.¶

APPENDIX VIII

Rock Sample Locations and Descriptions

File RV
Project 3011 G10
River Valley Recon Samples

Sample No.	Easting	Northing	Mag Sus	Rock-code	Description	Rocktype
101501	559763	5160537		Upx-po-cp	mineralized pyroxenite (altered to amphibolite) with fg po & cp	1
101502	559763	5160537		Mgb -cp-po	*mineralized gabbroic rock, weak cp & po*	2
101503	559763	5160537		mg to cg-Upx-ox	mg to cg mafic pyroxenite, cumulate opx, rusty weathering	1
101504	559763	5160537		bx-Upx	rusty weathering, brecciated ex-pyroxenite	1
101505	559763	5160537		Mgb-p-sul	gabbro with black plag, trace sulphide	2
101506	559763	5160537		Mgn-q-cp-po	gabbronorite, blue qtz & cp-po	2
101507	559763	5160537		Mgn-p-cp-po	weakly mineralized gabbronorite, black plag & cp-po	2
101508	559763	5160537		Mn-cp-po	norite with cg sulphide, po-cp	2
101509	559763	5160537		Mgn-cp-po	gabbronorite with very weak sulphide, cp-po	2
101510	559763	5160537		mg to cg-Upx-ox	mg to cg mafic px, cumulate opx, rusty weathering	1
101511	544482	5160317	25	GR-sul	quarrying 'black granite', dissem oxide minerals	5
101512	558627	5160082		Upx-po-cp	north end of Leblanc showing, pyroxenite with po & cp	1
101513	558627	5160082		cg-Mgn	gabbronorite, rusty weathering, cu px & cg mafics	2
101514	558627	5160082		Mgn-px-a	gabbronorite, cg px & amph cumulates, weakly vari-textured	2
101515	558627	5160082		cg-Upx-sul	vcg pyroxenite (<2cm), trace sulphide	1
101516	558627	5160082		Mgn-ox-px	gabbronorite (opx cu), large px crystals pseud after am (up to 3cm)	2
101517	558627	5160082		cg-Upx-px-po-cp	cg & irregular sized px (up to 3cm) with po & cp	1
101518	558627	5160082		fg-Mn	fg norite associated with picrite, non-mineralized	2
101519	558627	5160082		Mn-px-cp-sul	mafic norite (minor px) with minor dissem sulphide, remobilized cp	1
101520	558627	5160082		Upx	weakly mineralized px intruded by norite (sample CR101521)	1
101521	558627	5160082		Mn	unmineralized mafic cumulate (norite) intruded px of sample CR101520	2
101522	558627	5160082		M-sul	mafic cumulate (norite) with sulphide	2
101523	558627	5160082		Upx-po	pyroxenite with po blebs measuring up to 5mm	1
101524	558627	5160082		Mgn, Upx	gabbronorite + px, no obvious sulphide	1
101525	558627	5160082		Mgn	gabbronorite, less cu mafics than sample CR101524	2
101526	559882	5162967		PL-p-cx	gabbroic anorthosite	4
101527	559763	5160537		Upx-fd	ex px inclusion observed from mineralized showing, 2-5% fd (pegmatoidal)	1
101528	559763	5160537		Mgn	gabbronorite	
101529	559763	5160537		*fg-ac-M-a-sul*	*fg mafic rock assoc with sulphide, acicular amphiboles*	2
101530					nickel standard	6
101531	559763	5160537		fg-M-c-a	weakly mineralized fg mafics with irregularily distributed chl-am clots to 4m	2
101532	559763	5160537		fg-M-sul	fg mafic with fine disseminated sulphide	2
101533	556814	5159953	2.66	gn-PL-p-cx	gneissic anorthositic gabbro or inclusion metasediment ?	3
101534	557075	5160024	0.1	cg-PL-p-cx	cg anorthositic gabbro (40% mafics)	3
101535	544570	5154885	0.1 0.5	PL-p-cx-fd-cp	anorthositic gabbro, mafic cu with cg fd & minor cp	3
101536	540935	5162013	0.5	mg-Upx, ml-Mgb	mg pyroxenite to melano-gabbro ?	1
101537	541696	5163666	2 5	Uhz	ultramafic, harzburgite	1
101538	546139	5156117	7 11	U	ultramafic	1
101541	552130	5160207	0.2 2	GNgr,PG-fd-py	granular feldspathic gneiss, late fd rich pegmatitic dyke with py	6
101542	544749	5163025	30	Mgb	Henry Lake gabbro	2
101543	559468	5160690	6.7	Uac-q-cp-po	amphibolite after px, blue qtz, weak intercumulate cp & po, Leblanc property	1
101544	544749	5163025	58	Mgn	gabbronorite	2
101545	541908	5164320	2.45	Uhz	u/m pyroxenite, harzburgite	1
101546	556024	5160652	0.5	PL-p-cx	gabbroic anorthosite with N-S trending sil dyke	4
101547	559468	5160690	0.2	PL-p-cx	gabbroic anorthosite	4
101548	556969	5164768	0.2	PL-p-cx-fd-sul	anorthositic gabbro (15-20% mafics), fd cu with mafic clots & sulphide	3
101549			2.5 4		Leblanc property, sp-Ag showing	6
101550	561833	5160355	3 5	PL-p-cx, fg-ap-dyke	anorthositic gabbro (40-50% mafics), fg ap dykes	3
101551	558836	5161768	0.03	vn-q-cp	mb rich gneiss host to Cu-Ni showing, cp in qtz vein ?	6
101552	541527	5162213	4 40	PL-p-cx	undeformed anorthositic gabbro	3
~~101553~~	~~558836~~	~~5161768~~	0.8	cg-Uac-sul	cg amphibolite with interstitial sulphide NOT RIVER VALLEY.	~~6~~
101554	559130	5161549	0.6	PL-p-cx-c-a	Cu-Ni showing, gabbroic anorthosite, high chl-amph content	4
101555	558867	5161384	0.1	PL-p-cx-sul	anorthositic gabbro, poorly mineralized, Williams showing	3
101557	556791	5164833	0.2 11.2	f-Mgb-px-fd-ox-mt	leucogabbro (30% mafics), cg px intercumulates & cumulate fd, minor opx	3
101558	561752	5160724		f-Mgb	foliated gabbroic rock collected for reference	2
101559	557759	5159519	0.25	Mgb	gabbro host	2
101560	535020	5160638	0.3	cg-Mgb	massive to cg gabbro, interstitial mafics, uniform texture	2
101561	544535	5162254	0.1	gn-PL-p-cx	gneissic anorthositic gabbro (leuco & melano bands), highly contorted & f 2	3
101562	534923	5156355	0.3	gn-PL-p-cx	gneissic anorthositic gabbro	3
101563	561788	5160528	0.2	Mgb, ap-dyke	altered gabbro (50% mafics), ap dyke	2
101564	557564	5159528	0.2	f-Mgn	unfoliated, uniform leucogabbronorite	3

101565	558610	5163641			reference sample	2
101566	562014	5160740	0.4	PL, ml-Mgb, ap-dyke	highly strained anorthosite with ml-gabbroic zone & ap dykes	2
101567	534992	5159385		f-Mgb	foliated gabbro collected for reference	2
101568	530795	5151031	0.13	f-sil-Mgb to Mgn	hypidiomorphic gabbro to gabbronorite, recrystallized & foliated	2
101569	544404	5162141		gn-Mgb	banded gnessic intrusive, gabbroic anorthosite to gabbro, reference	3
101570	553266	5163260	0.45	f-Mgn	gabbronorite (>60% mafics), weak to moderate foliation at 280°	2
101571	534244	5151938	0.6	Mgn	gabbronorite	2
101572	538918	5156713	0.2	f-PL-p-cx, Mgb	foliated anorthositic gabbro to gabbro	3
101573	561919	5160885	2	xe-Mgn-q-cp	inclusion-bearing qtz gabbronorite, minor dissem cp in qtz & fractures	2
			13			
101574	529307	5157457	0.85	Mgn	gabbronorite	2
101575	552228	5159154	0.5	mg-Mgn, fg-Md	mafic dyke, chill margin to gneiss, mg equi-granular gabbronorite core	2
101576	526207	5150949	0.6	Mgn, vn-PG	hypidiomorphic gabbronorite, pegmatitic dyke	2
101577	524053	5150720	0.4	f-cg-Mgn-cp	cg, weakly foliated gabbronorite, trace cp	2
101578	553945	5162563	0.5	mg-Mgn	mg cumulate mafics, gabbronorite	2
101579	546454	5155791	0.27	gn-Mgn-ox	gneissic gabbronorite, opx cumulates, f 080	2
101580	525670	5150829	0.4	Mgn, vn-PG	hypidiomorphic gabbronorite, pegmatitic dyke	2
101581	532421	5158486	0.5	GN-fd-q-bio-gar	mafic gneiss, fd-q-bio-gar ?, f 300°	2
101582	529871	5150781	0.27	Mgn, vn-PG	hypidiomorphic gabbronorite, flat & vertical pegmatite veins	2
			0.5			
101583	526207	5150949	0.5	cg-U	cg ultramafic rock	1
101584	545773	5163678	58	fg-U-py	fg ultramafic boulder with blebby & fracture controlled py	2
101585	557759	5159519	10	fg-ac-U-a	fg ultramafic with acicular amphibole	1
			50			
101586	535984	5155148	16	U	ultramafic rock	1
			28			
101587	557759	5159519	12	cg-U	cg ultramafic	1
101588	557759	5159519	95	mg-U, Mgb	mg ultramafic to gabbroic rock	1
			76			
101589	552189	5159875	61	U	ultramafic rock within fg laminations & Sc unit	1
			92			
101590	545108	5163854	40	fg-U, Mgb	ultramafic dyke with chill margin striking 300° surrounding gabbro (0.5)	1
101591	544980	5163102	0.8	mg-bx(MSq)-M-b	mg mafic dyke dipping 15° S, angular fragments of MSq & bio	2
101592	544980	5163102		xe-Mgb	diatreme breccia, reference	
101593	551902	5159936	20	fg-Mgn	gabbronorite, fg margin	2
101594	551902	5159936	0.6	Mgn	gabbronorite	2
101595	551902	5159936	3.5	Mgn, cg-l-Mgn	gabbronorite, cg leucocratic interior	2
101596	544980	5163102	0.63	GN-g-m-sul	garnet-mica (Cr or V-rich) with sulphide, dyke rock	5
101597	529307	5157457	0.8	GN-g-p-m	garnet-plag-Cr or V mica	5
101598	531208	5159710	0	vn-q-s	quartz vein + sericite	5
101599	531208	5159710		GN-g-m-ab-sul	rock containing garnet, mica, albite & sulphide, reference	5
101600	531208	5159710		GN-g-m-sul	garnet-mica-sulphide bearing dyke	5
101601	529970	5158139	0.12	SH--s-ab	sericite-albite schist, host of garnet-sulphide dyke	5
101602	529970	5158139	0.53	ml-Mgn-g-sul	host rock, garnet bearing melanogabbro with sulphide	5
101603	529970	5158139	0.1	sil-Mgb	recrystallized gabbro host to garnet-sulphide	5
101604	529970	5158139	0.6	cg-Uac-g-sul	large garnet (+ sulphide) in cg amphiboles	5
101605	529970	5158139	0.95	f-p-g-b-a-sul	foliated rock with plag-garnet-bio-amph & sulphide	5
101606	531208	5159710		mt	heavy mineral concentrate from Eddies garnet property.	5
101607					nickel standard	6
101608	544991	5163179		bx-M	2 cm blebs in brecciated dyke near main bx showing	6
101609	559763	5160537		mg-Mn	mg norite, Leblanc's main showing in IBGN zone	
101610	557550	5159400		U-sul	ultramafic with approx. 2% sulphide	
101611	559763	5160537		U-sul	ultramafic with approx. 3% sulphide	

RIVER VALLEY THIN SECTIONS

Thin Sections

CR 101609
CR 101610
204 361
204 367
204 378
204 381

Polished Thin Sections

CR 101511
CR 101512
CR 101519
CR 101524
CR 101528
CR 101611
204 351
204 352
204 354
204 355
204 359
204 362
204 364
204 365
204 374
204 379
204 383
204 384
204 385
204 386
204 387

APPENDIX IX

Rock Sample Assays - Geochemical Lab Report

Bondar Clegg
Inchcape Testing Services

FEB 01 1995

Geochemical
Lab
Report

WESTMINER CANADA LIMITED - EXPLORATION DIVISION
MR. TERRY GOODWIN
22 GURDWARA RD.
NEPEAN, ONTARIO
K2E 8A2

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

REPORT: 094-42638.0 (COMPLETE) REFERENCE:

CLIENT: WESTMINER CANADA LIMITED - EXPLORATION DIVISION SUBMITTED BY: T. GOODWIN
PROJECT: 3001G10 DATE PRINTED: 6-JAN-95

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	10	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
2	Pt	Platinum	10	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP
3	Pd	Palladium	10	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
4	Ag	Silver	10	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
5	Cu	Copper	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	Pb	Lead	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Zn	Zinc	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	Mo	Molybdenum	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Ni	Nickel	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	Co	Cobalt	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	Cd	Cadmium	10	2.0 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Bi	Bismuth	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	As	Arsenic	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	Sb	Antimony	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Fe	Iron	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	Mn	Manganese	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	Te	Tellurium	10	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Ba	Barium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	Cr	Chromium	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	V	Vanadium	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	Sn	Tin	10	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	W	Tungsten	10	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	Li	Lithium	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	Ga	Gallium	10	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	La	Lanthanum	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	Ta	Tantalum	10	100 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Ti	Titanium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Al	Aluminum	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	Mg	Magnesium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Ca	Calcium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	Na	Sodium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	K	Potassium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Nb	Niobium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
34	Sr	Strontium	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
35	Y	Yttrium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
36	Zr	Zirconium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
37	LOI	Loss on Ignition	10	0.01 PCT		GRAVIMETRIC

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
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Bondar Clegg
Inchcape Testing Services

Geochemical
Lab
Report

REPORT: 094-42638.0 (COMPLETE) REFERENCE:

CLIENT: WESTMINER CANADA LIMITED - EXPLORATION DIVISION SUBMITTED BY: T. GOODWIN
PROJECT: 3001G10 DATE PRINTED: 6-JAN-95

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
38	MgO Mgo	10	0.001 PCT		
39	VF MgO Volatile Free MgO	10	0.01 PCT		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	10	-150	10	CRUSH, SPLIT	10
				CERAMIC PULVERIZE	10

REMARKS: PLEASE NOTE THAT WE OBTAINED NEGATIVE LOI
VALUES FOR SOME SAMPLES:
CR 101501 -.15%
CR 101503 -.10%

THESE VALUES WERE CONFIRMED BY RE-TEST.

REPORT COPIES TO: MR. TERRY GOODWIN
FAX:R. WILLIAMS/T.GOODWIN
ROHAN WILLIAMS

INVOICE TO: MS. DIANA CAMPBELL

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Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 6-JAN-95

REPORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
CR 101501		17	52	49	<0.5	368	36	202	7	511	146	3.1	<5
CR 101502		16	85	91	<0.5	626	31	178	<1	517	141	<2.0	<5
CR 101503		37	139	107	0.9	911	32	147	<1	163	95	<2.0	<5
CR 101504		70	191	176	1.7	960	34	152	<1	215	90	<2.0	<5
CR 101505		109	88	62	0.7	775	19	65	6	675	93	<2.0	<5
CR 101506		46	108	95	0.6	1331	27	165	<1	559	152	<2.0	<5
CR 101507		40	191	54	0.8	1104	29	178	<1	342	135	<2.0	<5
CR 101508		40	86	70	0.7	1105	35	174	<1	480	143	<2.0	<5
CR 101509		35	42	45	0.7	439	24	55	<1	441	79	<2.0	<5
CR 101510		30	38	35	1.1	1340	29	98	<1	128	68	<2.0	<5

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Geochemical Lab Report

DATE PRINTED: 6-JAN-95

REPORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM
CR 101501		<5	7	>10.00	3187	<25	50	1402	240	<20	<20	4	33
CR 101502		<5	<5	>10.00	2924	<25	21	462	286	<20	<20	4	29
CR 101503		<5	24	>10.00	3009	<25	15	305	574	<20	<20	<2	27
CR 101504		<5	<5	>10.00	3140	<25	13	268	505	<20	<20	<2	27
CR 101505		<5	<5	9.89	1748	<25	51	256	144	<20	<20	6	21
CR 101506		<5	<5	>10.00	2852	<25	157	326	234	<20	<20	4	27
CR 101507		<5	6	>10.00	3051	<25	80	278	222	<20	<20	7	30
CR 101508		<5	<5	>10.00	2880	<25	91	298	232	72	<20	4	26
CR 101509		<5	<5	9.02	1638	<25	90	280	151	<20	<20	8	28
CR 101510		<5	<5	>10.00	2492	<25	77	211	347	<20	<20	6	30

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Geochemical Lab Report

DATE PRINTED: 6-JAN-95

REPORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	La PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
CR 101501		9	<100	0.26	1.64	>10.00	1.78	0.25	0.21	<5	39	11	15
CR 101502		<5	<100	0.36	1.92	>10.00	2.75	0.32	0.10	<5	38	10	18
CR 101503		<5	<100	0.51	1.43	>10.00	4.04	0.26	0.04	<5	27	7	8
CR 101504		<5	<100	0.46	0.92	>10.00	2.99	0.15	0.04	<5	13	7	7
CR 101505		8	<100	0.09	4.30	>10.00	4.35	0.73	0.14	<5	97	<5	7
CR 101506		8	<100	0.29	1.47	>10.00	2.02	0.27	0.42	<5	24	12	22
CR 101507		6	<100	0.28	1.36	>10.00	2.18	0.25	0.27	<5	25	11	18
CR 101508		13	<100	0.30	1.61	>10.00	1.78	0.29	0.45	<5	25	13	24
CR 101509		<5	<100	0.10	6.61	9.95	6.30	1.09	0.19	<5	142	5	8
CR 101510		<5	<100	0.25	5.49	7.38	4.60	0.99	0.18	<5	140	5	10

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Geochemical Lab Report

DATE PRINTED: 6-JAN-95

REPORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	LOI PCT	MgO PCT	VF MgO PCT
CR 101501		<0.05	15.310	15.38
CR 101502		0.69	14.560	14.50
CR 101503		<0.05	15.290	15.24
CR 101504		0.20	15.660	15.58
CR 101505		0.89	16.590	16.40
CR 101506		0.10	15.410	15.38
CR 101507		0.10	16.770	16.73
CR 101508		0.25	15.740	15.78
CR 101509		1.33	13.980	13.96
CR 101510		1.94	15.610	15.32

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Geochemical Lab Report

DATE PRINTED: 6-JAN-95

REPORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 2A

STANDARD NAME	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
LOW PT,PD,AUSTD		133	152	139	-	-	-	-	-	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-
Mean Value		133.0	151.6	138.7	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		133	133	133	-	-	-	-	-	-	-	-	-

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Report

REPORT: 094-42638.0 (COMPLETE)

DATE PRINTED: 6-JAN-95
PROJECT: 3001G10 PAGE 2B

STANDARD NAME	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM
LOW PT,PD,AUSTD		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-

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Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 6-JAN-95

REPORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 2C

STANDARD NAME	ELEMENT UNITS	La PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
LOW PT,PD,AUSTD		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-

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Geochemical Lab Report

DATE PRINTED: 6-JAN-95

REPORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 2D

STANDARD NAME	ELEMENT UNITS	LOI PCT	MgO PCT	VF MgO PCT
LOW PT,PD,AUSTD		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-

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PORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 3A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
CR 101509		35	42	45	0.7	439	24	55	<1	441	79	<2.0	<5
Duplicate		37	53	48									

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Geochemical Lab Report

REPORT: 094-42638.0 (COMPLETE)

DATE PRINTED: 6-JAN-95
PROJECT: 3001G10 PAGE 3B

SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM
CR 101509		<5	<5	9.02	1638	<25	90	280	151	<20	<20	8	28
Duplicate													

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Geochemical Lab Report

DATE PRINTED: 6-JAN-95

REPORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 3C

SAMPLE NUMBER	ELEMENT UNITS	La PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
CR 101509		<5	<100	0.10	6.61	9.95	6.30	1.09	0.19	<5	142	5	8
Duplicate													

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Report

DATE PRINTED: 6-JAN-95

PORT: 094-42638.0 (COMPLETE) PROJECT: 3001G10 PAGE 3D

SAMPLE MBER	ELEMENT UNITS	LOI PCT	MgO PCT	VF MgO PCT
CR 101509		1.33	13.980	13.96
uplicate				

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Inchcape Testing Services

Certificate of Analysis

WESTMINER CANADA LIMITED - EXPLORATION DIVISION
MR. TERRY GOODWIN
22 GURDWARA RD.
NEPEAN, ONTARIO
K2E 8A2

DEC 23 1994

Bondar-Clegg & Company Ltd.
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Lab Supervisor

Bondar Clegg
Inchcape Testing Services

Certificate of Analysis

REPORT: 094-42638.4 (COMPLETE) REFERENCE:

CLIENT: WESTMINER CANADA LIMITED - EXPLORATION DIVISION SUBMITTED BY: T. GOODWIN
PROJECT: 3001G10 DATE PRINTED: 19-DEC-94

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	S Tot Sulphur (Total)	10	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	10	-150	10	AS RECEIVED	10

REMARKS: THIS IS A CORRECTED CERTIFICATE.

REPORT COPIES TO: MR. TERRY GOODWIN
FAX:R. WILLIAMS/T.GOODWIN
ROHAN WILLIAMS

INVOICE TO: MS. DIANA CAMPBELL

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Lab Supervisor

Bondar Clegg
Inchcape Testing Services

Certificate of Analysis

DATE PRINTED: 19-DEC-94

REPORT: 094-42638.4 (COMPLETE) PROJECT: 3001G10 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	S Tot PCT
CR 101501		0.54
CR 101502		0.85
CR 101503		0.25
CR 101504		0.21
CR 101505		0.30
CR 101506		0.79
CR 101507		0.47
CR 101508		0.61
CR 101509		0.09
CR 101510		0.29

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Lab Supervisor

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Certificate of Analysis

DATE PRINTED: 19-DEC-94

REPORT: 094-42638.4 (COMPLETE) PROJECT: 3001G10 PAGE 2

STANDARD NAME	ELEMENT UNITS	S Tot PCT
CANMET Std PR-1		0.78
Number of Analyses		1
Mean Value		0.780
Standard Deviation		-
Accepted Value		0.79

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Lab Supervisor

Bondar Clegg
Inchcape Testing Services

Geochemical
Lab
Report

WMC INTERNATIONAL
MR. TERRY GOODWIN
22 GURDWARA RD.
NEPEAN, ONTARIO
K2E 8A2

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Inchcape Testing Services

Geochemical Lab Report

REPORT: 095-40606.0 (COMPLETE) REFERENCE:

CLIENT: WMC INTERNATIONAL SUBMITTED BY: TG

PROJECT: 3011G10 DATE PRINTED: 19-OCT-95

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	AU	GOLD FIRE ASSAY	87	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
2	PT	PLATINUM	87	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP
3	PD	PALLADIUM	87	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
4	LOI	Loss on Ignition	87	0.05 PCT	Ignition 1000 Deg. C	GRAVIMETRIC
5	Ag	Silver	87	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	AgOL	Silver,semiquant.	1	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Cu	Copper	87	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	CuOL	Copper,by dilution	1	0.1 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Pb	Lead	87	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	Zn	Zinc	87	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	Mo	Molybdenum	87	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Ni	Nickel	87	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	Co	Cobalt	87	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	Cd	Cadmium	87	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Bi	Bismuth	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	As	Arsenic	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	Sb	Antimony	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Fe Tot	Total Iron	87	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	Mn	Manganese	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	Te	Tellurium	87	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	Ba	Barium	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	Cr	Chrome	87	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	V	Vanadium	87	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	Sn	Tin	87	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	W	Tungsten	87	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	La	Lanthanum	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Al	Aluminum	87	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Mg	Magnesium	87	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	Ca	Calcium	87	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Na	Sodium	87	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	K	Potassium	87	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	Sr	Strontium	87	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Y	Yttrium	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
34	Ga	Gallium	87	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
35	Li	Lithium	87	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
36	Nb	Niobium	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
37	Sc	Scandium	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

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Geochemical Lab Report

REPORT: 095-40606.0 (COMPLETE) REFERENCE:

CLIENT: WMC INTERNATIONAL SUBMITTED BY: TG
PROJECT: 3011G10 DATE PRINTED: 19-OCT-95

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
38	Ta	Tantalum	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
39	Ti	Titanium	87	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
40	Zr	Zirconium	87	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
41	MgO	Mgo	87	0.001 PCT		
42	VF MgO	Volatile Free MgO	87	0.01 PCT		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	88	-150	88	AS RECEIVED	2
				CRUSH, SPLIT	86
				CERAMIC PULVERIZE	86

REPORT COPIES TO: MR. TERRY GOODWIN
BY FAX: T. GOODWIN
MR. CHRIS NEWMAN

INVOICE TO: MS. DIANA CAMPBELL

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Geochemical Lab Report

DATE PRINTED: 19-OCT-95

REPORT: 095-40606.0 (COMPLETE) PROJECT: 3011G10 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	LOI PCT	Ag PPM	AgOL PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM
CR 101511		8	<5	<1	<0.05	<0.5		42		14	149	7	87
CR 101512		5	63	77	1.20	<0.5		889		6	245	11	527
CR 101513		9	20	15	0.34	<0.5		186		4	119	5	173
CR 101514		<1	5	63	1.02	<0.5		10		<2	52	4	175
CR 101515		10	43	41	<0.05	<0.5		273		5	235	7	320
CR 101516		3	28	30	0.90	<0.5		95		<2	58	5	197
CR 101517		17	227	238	<0.05	0.6		611		5	259	8	472
CR 101518		6	34	28	<0.05	<0.5		263		7	132	6	123
CR 101519		13	57	131	3.51	0.6		2447		5	223	10	1436
CR 101520		6	121	84	1.06	<0.5		894		4	229	9	320
CR 101521		6	22	21	0.20	<0.5		192		11	138	8	119
CR 101522		17	76	92	1.39	0.6		972		7	247	13	779
CR 101523		9	208	209	0.42	0.7		545		7	239	8	428
CR 101524		42	244	148	0.14	<0.5		406		<2	135	6	414
CR 101525		5	38	37	0.49	<0.5		90		<2	92	5	140
CR 101526		6	<5	<1	0.92	<0.5		178		11	58	4	11
CR 101527		<1	18	11	1.26	<0.5		5		<2	107	4	227
CR 101528		<1	9	2	1.32	<0.5		8		<2	70	2	139
CR 101529		8	28	38	1.05	<0.5		84		6	115	6	170
CR 101530	Ni Standard	39	42	122	19.87	2.3		961		13	65	5	6871
CR 101531		5	46	43	0.96	<0.5		1092		2	169	8	374
CR 101532		<1	28	17	0.47	0.7		1051		7	201	9	369
CR 101533		2	<5	6	0.37	<0.5		52		<2	69	2	140
CR 101534		1	<5	1	0.84	<0.5		52		4	74	4	111
CR 101535		<1	<5	6	1.00	<0.5		17		14	68	3	56
CR 101536		<1	<5	<1	1.20	<0.5		44		4	118	3	805
CR 101537		<1	<5	10	3.91	<0.5		34		3	117	4	590
CR 101538		<1	<5	6	6.55	<0.5		35		<2	94	4	1088
CR 101541		<1	<5	<1	1.45	<0.5		66		8	78	7	27
CR 101542		<1	<5	<1	<0.05	<0.5		62		14	183	10	101
CR 101543		13	48	28	0.46	<0.5		584		10	183	10	290
CR 101544		<1	<5	<1	2.30	<0.5		130		<2	167	6	82
CR 101545		<1	<5	<1	3.97	<0.5		5		5	109	4	716
CR 101546		<1	8	7	0.49	<0.5		14		18	52	1	21
CR 101547		<1	11	33	0.79	<0.5		3		7	57	5	113
CR 101548		9	<5	3	0.89	<0.5		77		16	64	6	104
CR 101549		1	<5	<1	3.61	<0.5		37		2	40	6	7
CR 101550		<1	<5	<1	0.84	<0.5		10		18	63	3	4
CR 101551		552	<5	<1	2.19	4.1		>20000	2.9	29	46	2	125
CR 101552		<1	<5	14	0.80	<0.5		45		4	62	5	102

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SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM
CR 101511		60	<1	<5	<5	<5	9.90	1382	<25	411	61	203	<20
CR 101512		181	<1	24	<5	<5	>10.00	3103	<25	15	388	445	<20
CR 101513		65	<1	<5	19	<5	8.20	1409	<25	104	102	262	<20
CR 101514		40	<1	<5	23	<5	3.39	762	<25	68	321	64	<20
CR 101515		138	<1	14	<5	<5	>10.00	2912	<25	19	252	193	<20
CR 101516		41	<1	<5	7	<5	4.02	863	<25	58	247	96	<20
CR 101517		171	<1	8	<5	<5	>10.00	3395	<25	10	225	300	<20
CR 101518		73	<1	<5	<5	<5	>10.00	1429	<25	82	35	593	<20
CR 101519		263	<1	20	<5	<5	>10.00	2475	<25	5	416	665	<20
CR 101520		127	<1	7	<5	6	>10.00	2735	<25	10	237	274	<20
CR 101521		77	<1	<5	<5	<5	>10.00	1502	<25	89	35	740	<20
CR 101522		202	<1	5	<5	8	>10.00	3175	<25	7	253	393	<20
CR 101523		162	<1	10	<5	<5	>10.00	3101	<25	18	178	274	<20
CR 101524		108	<1	<5	<5	7	>10.00	1984	<25	27	261	152	<20
CR 101525		57	<1	<5	<5	<5	6.38	1300	<25	72	247	162	<20
CR 101526		24	<1	<5	14	<5	3.08	565	<25	196	3	49	<20
CR 101527		77	<1	6	<5	<5	8.99	1455	<25	40	297	213	<20
CR 101528		43	<1	<5	28	<5	4.10	981	<25	62	455	97	<20
CR 101529		66	<1	<5	<5	<5	>10.00	2846	<25	11	554	295	<20
CR 101530		199	<1	9	<5	10	6.99	1163	<25	16	1425	50	<20
CR 101531		118	<1	7	<5	12	>10.00	2561	<25	17	442	349	<20
CR 101532		154	<1	13	<5	<5	>10.00	3056	<25	<5	401	308	<20
CR 101533		44	<1	<5	44	<5	4.52	953	<25	70	355	111	<20
CR 101534		36	<1	<5	19	<5	4.13	935	<25	71	311	109	<20
CR 101535		25	<1	<5	32	<5	3.23	504	<25	96	113	80	<20
CR 101536		82	<1	<5	<5	12	8.28	1441	<25	14	941	122	<20
CR 101537		87	<1	<5	6	7	7.11	1622	<25	<5	1433	87	<20
CR 101538		111	<1	<5	<5	<5	7.31	1322	<25	<5	2060	54	<20
CR 101541		23	<1	<5	38	<5	3.76	449	<25	1560	53	70	<20
CR 101542		68	<1	<5	<5	<5	>10.00	1442	<25	549	70	225	<20
CR 101543		116	<1	<5	<5	<5	>10.00	2297	<25	94	240	253	<20
CR 101544		55	<1	<5	29	9	7.84	1364	<25	247	39	210	<20
CR 101545		98	<1	12	<5	<5	7.55	1547	<25	<5	1714	80	<20
CR 101546		12	<1	<5	47	<5	1.90	326	<25	83	54	47	<20
CR 101547		35	<1	<5	25	<5	3.75	784	<25	92	133	94	<20
CR 101548		35	<1	<5	12	<5	3.57	546	<25	78	18	52	<20
CR 101549		149	<1	<5	<5	<5	5.88	257	<25	399	<2	64	<20
CR 101550		8	<1	<5	7	<5	1.87	393	<25	1190	<2	45	<20
CR 101551		41	2	<5	<5	<5	3.26	<5	<25	18	7	4	<20
CR 101552		42	<1	<5	17	<5	5.81	723	<25	67	16	328	<20

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SAMPLE NUMBER	ELEMENT UNITS	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM
CR 101511		<20	7	8.24	3.90	6.13	2.74	0.66	487	21	<10	5	10
CR 101512		<20	13	0.92	7.78	2.90	0.20	0.07	14	<5	<10	3	<5
CR 101513		<20	<5	8.48	4.19	7.58	2.08	0.24	319	7	<10	4	<5
CR 101514		<20	<5	>10.00	5.10	7.78	1.79	0.23	260	<5	<10	22	<5
CR 101515		<20	7	1.29	8.52	3.10	0.15	0.11	21	7	<10	8	<5
CR 101516		<20	<5	9.56	4.94	8.70	1.57	0.20	218	<5	<10	12	<5
CR 101517		<20	12	1.25	8.94	3.64	0.11	0.03	18	7	<10	4	<5
CR 101518		<20	<5	7.49	4.30	7.80	1.53	0.18	247	8	<10	6	<5
CR 101519		<20	12	1.14	7.67	3.34	0.14	0.03	13	6	<10	4	<5
CR 101520		<20	7	1.43	8.00	2.44	0.17	0.05	15	5	<10	5	<5
CR 101521		<20	<5	7.67	4.08	7.27	2.02	0.25	227	9	<10	10	<5
CR 101522		<20	9	0.86	8.45	3.21	0.12	0.03	8	7	<10	3	<5
CR 101523		<20	10	0.85	7.84	2.85	0.10	0.13	14	8	<10	<2	<5
CR 101524		<20	<5	3.28	8.52	4.53	0.48	0.08	74	<5	<10	7	<5
CR 101525		<20	<5	8.33	5.19	8.88	1.40	0.22	242	5	<10	9	<5
CR 101526		<20	9	>10.00	0.48	8.17	2.68	0.46	288	12	12	5	<5
CR 101527		<20	<5	7.12	6.20	8.02	1.22	0.29	58	6	<10	13	<5
CR 101528		<20	<5	9.69	5.43	>10.00	1.49	0.25	193	<5	<10	12	<5
CR 101529		<20	<5	2.23	7.29	4.72	0.31	0.09	17	8	<10	6	<5
CR 101530		<20	<5	1.68	>10.00	0.81	0.73	0.09	27	<5	<10	3	<5
CR 101531		<20	5	1.98	8.39	3.65	0.48	0.09	13	7	<10	3	<5
CR 101532		<20	10	0.72	8.34	1.77	0.09	0.02	4	<5	<10	<2	<5
CR 101533		<20	<5	9.95	5.00	8.83	1.80	0.23	221	<5	<10	9	<5
CR 101534		<20	<5	9.91	4.87	8.71	1.90	0.35	221	<5	<10	10	<5
CR 101535		<20	<5	>10.00	1.98	>10.00	2.38	0.56	306	<5	12	22	<5
CR 101536		<20	<5	2.97	8.36	6.88	0.70	0.09	68	10	<10	4	7
CR 101537		<20	<5	2.91	>10.00	3.83	0.13	0.03	16	8	<10	3	<5
CR 101538		<20	<5	2.37	>10.00	2.30	0.05	<0.01	23	7	<10	<2	<5
CR 101541		<20	44	9.21	1.71	4.28	3.72	1.60	1286	5	20	21	<5
CR 101542		<20	19	8.61	3.45	5.35	2.91	0.97	406	26	<10	6	12
CR 101543		<20	5	3.95	7.01	4.39	0.78	0.35	114	9	<10	5	<5
CR 101544		<20	<5	7.93	4.00	7.16	1.76	0.76	214	11	<10	23	<5
CR 101545		<20	<5	2.93	>10.00	2.90	0.09	0.03	8	6	<10	2	<5
CR 101546		<20	<5	>10.00	0.86	>10.00	2.35	0.19	298	<5	14	5	<5
CR 101547		<20	<5	>10.00	3.71	8.86	2.05	0.31	288	<5	<10	11	<5
CR 101548		<20	<5	>10.00	2.70	>10.00	2.14	0.35	271	<5	<10	7	<5
CR 101549		<20	21	6.84	0.96	1.60	5.02	0.84	141	<5	13	14	<5
CR 101550		<20	25	6.64	0.54	2.86	3.38	2.01	1638	5	14	21	<5
CR 101551		<20	<5	0.08	<0.01	0.05	<0.01	<0.01	3	<5	<10	2	<5
CR 101552		<20	<5	>10.00	2.48	8.40	2.10	0.23	296	<5	11	7	<5

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SAMPLE NUMBER	ELEMENT UNITS	Sc PPM	Ta PPM	Ti PCT	Zr PPM	MgO PCT	VF MgO PCT
CR 101511		20	<5	1.41	131	6.466	6.47
CR 101512		39	<5	0.63	<5	12.898	13.05
CR 101513		28	<5	0.28	30	6.946	6.97
CR 101514		14	8	0.06	30	8.455	8.54
CR 101515		44	<5	0.21	<5	14.125	14.13
CR 101516		21	<5	0.07	22	8.190	8.26
CR 101517		47	<5	0.35	<5	14.821	14.83
CR 101518		37	<5	0.65	19	7.129	7.13
CR 101519		42	<5	0.80	<5	12.716	13.18
CR 101520		39	<5	0.33	<5	13.263	13.41
CR 101521		36	<5	0.83	59	6.764	6.78
CR 101522		44	<5	0.46	<5	14.009	14.21
CR 101523		40	<5	0.35	25	12.997	13.05
CR 101524		34	<5	0.12	<5	14.125	14.14
CR 101525		32	<5	0.13	8	8.604	8.65
CR 101526		8	<5	0.14	42	0.796	0.80
CR 101527		29	<5	0.16	20	10.279	10.41
CR 101528		23	<5	0.08	22	9.002	9.12
CR 101529		48	<5	0.64	35	12.086	12.21
CR 101530		9	<5	0.06	44	30.870	38.52
CR 101531		40	<5	0.34	12	13.909	14.04
CR 101532		43	<5	0.36	<5	13.826	13.89
CR 101533		24	<5	0.12	23	8.289	8.32
CR 101534		23	<5	0.12	23	8.074	8.14
CR 101535		11	<5	0.16	32	3.282	3.32
CR 101536		17	<5	0.47	61	13.859	14.03
CR 101537		21	<5	0.16	17	23.450	24.40
CR 101538		12	<5	0.14	22	28.070	30.04
CR 101541		<5	<5	0.43	8	2.835	2.88
CR 101542		17	<5	1.73	156	5.719	5.72
CR 101543		36	<5	0.33	26	11.621	11.67
CR 101544		28	<5	0.41	58	6.631	6.79
CR 101545		17	<5	0.15	20	24.060	25.05
CR 101546		6	6	0.10	27	1.426	1.43
CR 101547		17	<5	0.11	23	6.151	6.20
CR 101548		6	<5	0.09	10	4.476	4.52
CR 101549		<5	<5	0.15	38	1.592	1.65
CR 101550		<5	<5	0.23	40	0.895	0.90
CR 101551		<5	<5	<0.01	<5	<0.010	0.01
CR 101552		19	6	0.29	24	4.111	4.14

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	LOI PCT	Ag PPM	AgOL PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM
~~CR 101553~~ NOT RIVER VALLEY		230	2840	7420	1.63	>50.0	67	14666		50	291	9	>20000
CR 101554		9	16	29	1.18	<0.5		352		9	140	6	62
CR 101555		23	52	28	1.10	<0.5		953		11	44	5	29
CR 101557		3	59	46	0.63	<0.5		114		9	84	7	41
CR 101559		1	<5	11	1.27	<0.5		25		7	56	6	149
CR 101560		<1	6	3	0.38	<0.5		15		<2	86	5	49
CR 101561		<1	<5	1	1.19	<0.5		56		17	48	9	74
CR 101562		1	<5	<1	0.74	<0.5		47		21	95	9	63
CR 101563		<1	<5	<1	1.00	<0.5		17		21	82	6	32
CR 101564		1	8	4	0.83	<0.5		39		<2	55	5	97
CR 101566		1	6	5	0.78	<0.5		122		6	117	5	172
CR 101567													
CR 101568		<1	<5	1	0.86	<0.5		70		8	66	6	84
CR 101570		2	<5	<1	0.92	<0.5		131		47	107	6	65
CR 101571		1	<5	<1	0.41	<0.5		234		<2	64	6	127
CR 101572		6	58	67	0.98	<0.5		77		8	63	9	95
CR 101573		2	<5	1	1.19	<0.5		75		14	64	3	34
CR 101574		4	25	21	0.52	<0.5		80		<2	74	7	142
CR 101575		1	<5	<1	0.42	<0.5		55		11	185	9	55
CR 101576		2	<5	12	1.22	<0.5		182		5	103	4	74
CR 101577		7	11	8	0.74	<0.5		103		9	117	6	105
CR 101578		<1	<5	<1	0.88	<0.5		126		10	126	6	52
CR 101579		<1	6	3	0.70	<0.5		4		7	152	10	102
CR 101580		4	9	8	1.16	<0.5		146		<2	81	7	156
CR 101581		<1	<5	<1	0.61	<0.5		94		<2	94	7	68
CR 101582		5	50	28	1.41	<0.5		76		6	67	10	162
CR 101583		5	38	80	1.60	<0.5		407		4	150	9	266
CR 101584		2	<5	<1	0.90	<0.5		75		15	140	11	45
CR 101585		13	263	285	1.39	0.6		954		7	215	12	602
CR 101586		2	8	8	9.74	<0.5		24		4	83	7	1140
CR 101587		10	223	205	<0.05	<0.5		240		8	191	8	307
CR 101588		16	190	186	0.73	<0.5		669		11	272	11	531
CR 101589		1	<5	1	1.55	<0.5		73		13	152	6	948
CR 101590		5	<5	1	1.93	<0.5		573		18	127	6	1078
CR 101591		<1	<5	1	1.01	<0.5		64		18	147	12	57
CR 101593		<1	<5	<1	<0.05	<0.5		58		27	189	12	78
CR 101594		<1	<5	<1	0.85	<0.5		57		23	158	11	77
CR 101595		<1	<5	<1	<0.05	<0.5		43		42	205	14	44
CR 101596		2	<5	<1	0.43	<0.5		23		13	180	6	44
CR 101597		2	13	11	<0.05	1.1		163		6	91	19	129

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SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM
CR 101553		209	<1	20	<5	11	>10.00	1790	44	<5	<2	19	<20
CR 101554		56	<1	<5	<5	<5	>10.00	1862	<25	21	62	671	<20
CR 101555		9	<1	<5	32	<5	1.24	228	<25	130	<2	41	<20
CR 101557		35	<1	<5	14	<5	5.18	941	<25	130	15	175	<20
CR 101559		41	<1	<5	9	<5	3.72	883	<25	46	271	100	<20
CR 101560		35	<1	<5	<5	<5	4.70	851	<25	119	20	103	<20
CR 101561		26	<1	<5	9	<5	2.69	569	<25	44	201	82	<20
CR 101562		31	<1	<5	20	<5	4.12	896	<25	491	58	65	<20
CR 101563		13	<1	<5	<5	<5	2.47	560	<25	612	55	61	<20
CR 101564		38	<1	<5	18	<5	3.82	869	<25	50	148	101	<20
CR 101566		53	<1	<5	<5	<5	6.95	1198	<25	189	419	152	<20
CR 101567													
CR 101568		42	<1	<5	24	<5	4.26	929	<25	95	17	124	<20
CR 101570		44	<1	<5	16	<5	6.37	1229	<25	115	21	217	<20
CR 101571		53	<1	<5	<5	<5	5.01	1037	<25	38	33	126	<20
CR 101572		41	<1	<5	42	<5	4.34	703	<25	53	224	94	<20
CR 101573		12	<1	<5	11	<5	1.73	344	<25	331	54	47	<20
CR 101574		43	<1	<5	40	<5	5.01	1057	<25	55	347	164	<20
CR 101575		57	<1	<5	<5	<5	>10.00	1466	<25	521	39	178	<20
CR 101576		30	<1	<5	<5	<5	3.27	594	<25	442	53	46	<20
CR 101577		52	<1	<5	<5	<5	7.40	1087	<25	133	141	189	<20
CR 101578		53	<1	<5	8	<5	8.12	1424	<25	134	6	214	<20
CR 101579		55	<1	<5	17	<5	8.11	1074	<25	179	467	188	<20
CR 101580		52	<1	<5	31	<5	5.47	1080	<25	77	176	130	<20
CR 101581		48	<1	<5	<5	<5	6.91	1317	<25	122	33	196	<20
CR 101582		51	<1	<5	13	<5	5.11	1044	<25	92	261	120	<20
CR 101583		75	<1	<5	14	<5	8.79	1251	<25	140	230	214	<20
CR 101584		50	<1	<5	<5	<5	>10.00	1580	<25	187	40	400	<20
CR 101585		173	<1	21	<5	<5	>10.00	2609	<25	<5	335	210	<20
CR 101586		127	<1	<5	<5	6	7.51	959	<25	<5	3433	77	<20
CR 101587		123	<1	6	<5	<5	>10.00	2482	<25	16	331	186	<20
CR 101588		172	<1	11	<5	8	>10.00	2478	<25	9	290	329	<20
CR 101589		98	<1	<5	11	<5	>10.00	1828	<25	6	450	128	<20
CR 101590		110	<1	<5	<5	<5	>10.00	1699	<25	14	355	126	<20
CR 101591		60	<1	<5	15	9	>10.00	2377	<25	560	28	137	<20
CR 101593		71	<1	<5	5	<5	>10.00	1690	<25	576	31	166	<20
CR 101594		68	<1	<5	<5	<5	>10.00	1680	<25	307	36	156	<20
CR 101595		57	<1	<5	57	<5	>10.00	1781	<25	750	7	123	<20
CR 101596		52	<1	<5	<5	<5	>10.00	1655	<25	646	22	117	<20
CR 101597		99	<1	<5	<5	<5	>10.00	1826	<25	434	129	339	<20

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SAMPLE UMBER	ELEMENT UNITS	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM
CR 101553		<20	<5	0.45	6.14	8.70	0.03	0.02	44	<5	17	2	<5
CR 101554		<20	<5	2.85	5.49	7.43	0.29	0.18	10	16	<10	5	<5
CR 101555		<20	9	>10.00	0.32	8.48	2.44	0.46	322	9	14	22	<5
CR 101557		<20	<5	9.79	2.68	7.59	2.29	0.31	234	8	<10	9	<5
CR 101559		<20	<5	8.30	5.20	8.09	1.22	0.18	172	<5	<10	9	<5
CR 101560		<20	<5	9.64	2.49	7.33	2.29	0.38	247	7	<10	9	<5
CR 101561		20	<5	>10.00	2.95	>10.00	2.01	0.29	307	<5	12	7	<5
CR 101562		<20	11	7.16	2.99	5.54	1.73	1.31	172	22	<10	18	7
CR 101563		<20	26	7.18	1.39	2.40	3.02	2.23	542	11	14	26	<5
CR 101564		<20	<5	9.52	4.63	8.85	1.55	0.18	192	<5	<10	7	<5
CR 101566		<20	<5	6.72	4.44	6.94	1.87	0.68	280	10	<10	9	<5
CR 101567													
CR 101568		<20	<5	9.43	3.93	8.80	2.24	0.28	419	<5	<10	15	<5
CR 101570		<20	<5	8.04	3.67	7.61	1.68	0.43	130	11	<10	15	<5
CR 101571		<20	<5	9.11	4.48	>10.00	1.80	0.09	418	<5	<10	6	<5
CR 101572		<20	<5	>10.00	3.80	8.56	2.09	0.46	232	5	10	27	<5
CR 101573		<20	12	7.02	0.93	2.55	3.06	1.14	598	<5	11	13	<5
CR 101574		<20	<5	8.16	5.15	8.81	1.35	0.25	111	8	<10	7	<5
CR 101575		<20	20	8.18	3.09	5.63	2.41	0.90	310	31	<10	11	15
CR 101576		<20	18	>10.00	2.70	5.74	3.75	0.81	1411	<5	13	19	<5
CR 101577		<20	5	8.04	3.75	6.54	1.85	0.61	223	12	<10	16	<5
CR 101578		<20	<5	7.47	3.55	6.69	1.68	0.45	137	19	<10	11	<5
CR 101579		<20	<5	8.06	3.93	7.12	1.58	0.59	119	11	<10	19	<5
CR 101580		<20	<5	8.98	4.98	8.21	1.86	0.65	301	<5	<10	15	<5
CR 101581		<20	<5	8.01	4.05	7.54	1.60	0.57	143	11	<10	11	<5
CR 101582		<20	<5	8.29	5.21	7.63	2.14	0.51	277	5	<10	24	<5
CR 101583		<20	<5	7.66	5.93	7.46	1.78	0.81	82	13	<10	26	<5
CR 101584		<20	<5	6.57	2.87	5.35	2.50	0.48	308	37	<10	10	6
CR 101585		<20	6	0.67	8.76	1.57	0.07	<0.01	24	<5	<10	<2	<5
CR 101586		<20	<5	2.59	>10.00	1.96	0.05	0.03	21	6	<10	14	<5
CR 101587		<20	<5	1.72	8.33	3.77	0.19	0.06	31	6	<10	2	<5
CR 101588		<20	6	1.56	8.16	2.40	0.19	0.04	17	<5	<10	5	<5
CR 101589		<20	<5	2.72	9.42	8.77	0.74	0.10	71	10	<10	8	6
CR 101590		<20	<5	3.88	9.45	8.41	0.55	0.12	22	13	<10	<2	9
CR 101591		23	35	8.93	3.42	8.57	1.26	1.40	150	64	<10	30	6
CR 101593		<20	26	8.41	3.60	6.30	2.48	1.11	291	37	<10	4	<5
CR 101594		<20	23	8.25	3.57	6.07	2.52	0.82	294	36	<10	27	<5
CR 101595		<20	24	8.26	2.74	5.93	2.66	1.50	262	48	15	18	<5
CR 101596		<20	20	8.04	2.92	5.85	2.09	1.33	270	43	<10	13	<5
CR 101597		21	51	>10.00	1.30	1.57	0.80	0.97	41	87	<10	19	24

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SAMPLE NUMBER	ELEMENT UNITS	Sc PPM	Ta PPM	Ti PCT	Zr PPM	MgO PCT	VF MgO PCT
CR 101553		<5	<5	<0.01	<5	10.179	10.35
CR 101554		69	<5	1.13	28	9.101	9.21
CR 101555		<5	<5	0.09	33	0.531	0.54
CR 101557		21	<5	0.28	32	4.443	4.47
CR 101559		23	<5	0.08	21	8.621	8.73
CR 101560		17	<5	0.18	24	4.128	4.14
CR 101561		14	<5	0.10	40	4.891	4.95
CR 101562		19	<5	0.16	67	4.957	4.99
CR 101563		11	<5	0.24	36	2.304	2.33
CR 101564		24	<5	0.08	22	7.676	7.74
CR 101566		17	<5	0.47	20	7.361	7.42
CR 101567							NS
CR 101568		27	<5	0.13	23	6.515	6.57
CR 101570		28	<5	0.37	29	6.084	6.14
CR 101571		29	<5	0.10	19	7.427	7.46
CR 101572		20	6	0.11	53	6.300	6.36
CR 101573		<5	<5	0.15	25	1.542	1.56
CR 101574		29	<5	0.23	37	8.538	8.58
CR 101575		20	<5	1.61	89	5.123	5.14
CR 101576		6	<5	0.18	26	4.476	4.53
CR 101577		22	<5	0.40	27	6.217	6.26
CR 101578		35	<5	0.35	50	5.885	5.94
CR 101579		31	6	0.35	24	6.515	6.56
CR 101580		25	<5	0.15	24	8.256	8.35
CR 101581		30	<5	0.32	48	6.714	6.76
CR 101582		27	<5	0.15	42	8.637	8.76
CR 101583		30	<5	0.36	54	9.831	9.99
CR 101584		34	<5	1.08	70	4.758	4.80
CR 101585		45	5	0.18	<5	14.523	14.73
CR 101586		13	<5	0.12	13	27.570	30.55
CR 101587		43	<5	0.15	<5	13.810	13.82
CR 101588		42	<5	0.30	<5	13.528	13.63
CR 101589		24	<5	0.50	46	15.617	15.86
CR 101590		19	<5	0.66	36	15.666	15.97
CR 101591		29	<5	1.84	23	5.670	5.73
CR 101593		24	<5	1.74	198	5.968	5.97
CR 101594		22	<5	1.61	41	5.918	5.97
CR 101595		25	<5	1.84	158	4.542	4.54
CR 101596		21	<5	1.55	34	4.841	4.86
CR 101597		47	<5	1.18	386	2.155	2.16

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	LOI PCT	Ag PPM	AgOL PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM
CR 101598		3	<5	<1	0.34	<0.5		9		4	6	<1	5
CR 101601		3	<5	<1	1.96	<0.5		57		<2	34	3	20
CR 101602		7	19	18	0.67	<0.5		146		14	186	9	47
CR 101603		<1	<5	2	0.55	<0.5		3		96	68	6	86
CR 101604		2	<5	<1	<0.05	<0.5		706		5	52	46	98
CR 101605		3	<5	<1	0.09	<0.5		486		13	124	10	24
CR 101606		1380	220	548	10.15	7.3		6282		74	317	46	6620
CR 101607	Ni Standard	43	56	139	19.65	1.8		1072		10	71	5	7704

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SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM
CR 101598		3	<1	<5	7	<5	0.37	35	<25	72	10	7	<20
CR 101601		14	<1	<5	<5	<5	2.11	74	<25	853	16	35	<20
CR 101602		61	<1	<5	21	<5	>10.00	2384	<25	52	21	284	<20
CR 101603		34	<1	<5	38	<5	2.61	256	<25	1520	62	126	<20
CR 101604		82	<1	9	<5	<5	>10.00	1328	<25	19	146	169	<20
CR 101605		65	<1	<5	<5	<5	>10.00	1167	<25	70	<2	144	<20
CR 101606		1883	<1	62	<5	<5	>10.00	554	53	58	299	<2	36
CR 101607		223	<1	9	8	11	7.82	1265	<25	<5	981	45	<20

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SAMPLE NUMBER	ELEMENT UNITS	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM
CR 101598		<20	<5	0.70	0.03	0.05	0.01	0.24	3	<5	<10	3	<5
CR 101601		<20	21	6.99	0.33	0.22	0.14	2.86	17	<5	14	8	<5
CR 101602		<20	<5	7.67	3.95	5.67	2.15	0.29	239	23	<10	17	5
CR 101603		<20	38	>10.00	1.13	1.42	6.40	1.56	90	7	24	22	6
CR 101604		<20	14	5.90	3.72	1.12	0.26	0.11	3	70	<10	16	<5
CR 101605		<20	37	6.85	3.37	1.85	1.61	0.39	32	39	<10	17	9
CR 101606		<20	114	1.13	0.96	0.36	0.08	0.15	11	7	<10	4	11
CR 101607	Nickel Standard	<20	<5	1.32	>10.00	0.83	<0.01	0.03	26	<5	<10	2	<5

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SAMPLE NUMBER	ELEMENT UNITS	Sc PPM	Ta PPM	Ti PCT	Zr PPM	MgO PCT	VF MgO PCT
CR 101598		<5	<5	0.04	9	0.050	0.05
CR 101601		5	<5	0.17	58	0.547	0.56
CR 101602		38	<5	0.72	58	6.548	6.59
CR 101603		15	<5	0.44	142	1.873	1.88
CR 101604		43	<5	0.35	96	6.167	6.17
CR 101605		25	<5	0.98	212	5.587	5.59
CR 101606		<5	<5	0.17	154	1.592	1.77
CR 101607		9	<5	0.07	<5	30.880	38.43

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STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	LOI PCT	Ag PPM	AgOL PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM
UMT-1 CANMET STD		46	144	112	-	-	-	-	-	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-	-	-	-	-	-
Mean Value		46.0	144.0	112.0	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		48	128	104	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-	-	-	-	-	-
Number of Analyses		2	2	2	-	-	-	-	-	-	-	-	-
Mean Value		0.5	2.5	0.5	-	-	-	-	-	-	-	-	-
Standard Deviation		<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-
Accepted Value		1	5	1	<0.01	0.2	<1	1	<0.1	2	1	1	1
PP89-2		-	356	560	-	-	-	-	-	-	-	-	-
Number of Analyses		-	1	1	-	-	-	-	-	-	-	-	-
Mean Value		-	356.0	560.0	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		170	440	540	-	-	-	-	-	-	-	-	-

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STANDARD NAME / ELEMENT UNITS	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM
UMT-1 CANMET STD	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	1	1	2	5	5	0.05	1	<1	<1	1	1	<1
PP89-2	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	-	-	-	-	-	-	-	-	-	-	-

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STANDARD NAME	ELEMENT UNITS	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM
UMT-1 CANMET STD		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<1	<1	<1
P89-2		-	-	-	-	-	-	-	-	-	-	-	-
umber of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
ccepted Value		-	-	-	-	-	-	-	-	-	-	-	-

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STANDARD NAME	ELEMENT UNITS	Sc PPM	Ta PPM	Ti PCT	Zr PPM	MgO PCT	VF MgO PCT
UMT-1 CANMET STD		-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-
Mean Value		-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-
ANALYTICAL BLANK		-	-	-	-	-	-
ANALYTICAL BLANK		-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-
Mean Value		-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-
Accepted Value		<1	<1	<0.01	<1	<0.001	<0.01
PP89-2		-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-
Mean Value		-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	LOI PCT	Ag PPM	AgOL PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM
CR 101517		17	227	238	<0.05	0.6		611		5	259	8	472
Duplicate		20	229	231									
CR 101542		<1	<5	<1	<0.05	<0.5		62		14	183	10	101
Duplicate		<1	<5	<1									
CR 101568		<1	<5	1	0.86	<0.5		70		8	66	6	84
Duplicate		<1	<5	1									
CR 101593		<1	<5	<1	<0.05	<0.5		58		27	189	12	78
Duplicate		<1	<5	<1									

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Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

PORT: 095-40606.0 (COMPLETE)

DATE PRINTED: 19-OCT-95
PROJECT: 3011G10 PAGE 5B

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM
CR 101517		171	<1	8	<5	<5	>10.00	3395	<25	10	225	300	<20
Duplicate													
CR 101542		68	<1	<5	<5	<5	>10.00	1442	<25	549	70	225	<20
Duplicate													
101568		42	<1	<5	24	<5	4.26	929	<25	95	17	124	<20
Duplicate													
101593		71	<1	<5	5	<5	>10.00	1690	<25	576	31	166	<20
Duplicate													

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Geochemical Lab Report

DATE PRINTED: 19-OCT-95

REPORT: 095-40606.0 (COMPLETE) PROJECT: 3011G10 PAGE 5C

SAMPLE NUMBER	ELEMENT UNITS	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM
CR 101517		<20	12	1.25	8.94	3.64	0.11	0.03	18	7	<10	4	<5
Duplicate													
CR 101542		<20	19	8.61	3.45	5.35	2.91	0.97	406	26	<10	6	12
Duplicate													
CR 101568		<20	<5	9.43	3.93	8.80	2.24	0.28	419	<5	<10	15	<5
Duplicate													
CR 101593		<20	26	8.41	3.60	6.30	2.48	1.11	291	37	<10	4	<5
Duplicate													

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DATE PRINTED: 19-OCT-95
PROJECT: 3011G10 PAGE 5D

SAMPLE NUMBER	ELEMENT UNITS	Sc PPM	Ta PPM	Ti PCT	Zr PPM	MgO PCT	VF MgO PCT
CR 101517		47	<5	0.35	<5	14.821	14.83
Duplicate							
CR 101542		17	<5	1.73	156	5.719	5.72
Duplicate							
CR 101568		27	<5	0.13	23	6.515	6.57
Duplicate							
CR 101593		24	<5	1.74	198	5.968	5.97
Duplicate							

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Geochemical
Lab
Report

WMC INTERNATIONAL
MR. TERRY GOODWIN
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NEPEAN, ONTARIO
K2E 8A2

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Geochemical Lab Report

REPORT: 095-40749.0 (COMPLETE)

REFERENCE: -

CLIENT: WMC INTERNATIONAL

SUBMITTED BY: R. WILLIAMS

PROJECT: 3011 G10

DATE PRINTED: 24-NOV-95

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	AU	GOLD FIRE ASSAY	22	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
2	PT	PLATINUM	22	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP
3	PD	PALLADIUM	22	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
4	LOI	Loss on Ignition	22	0.05 PCT	Ignition 1000 Deg. C	GRAVIMETRIC
5	Ag	Silver	22	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
6	Cu	Copper	22	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
7	Pb	Lead	22	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
8	Zn	Zinc	22	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
9	Mo	Molybdenum	22	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
10	Ni	Nickel	22	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
11	Co	Cobalt	22	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
12	Cd	Cadmium	22	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
13	Bi	Bismuth	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
14	As	Arsenic	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
15	Sb	Antimony	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
16	Fe Tot	Total Iron	22	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
17	Mn	Manganese	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
18	Te	Tellurium	22	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
19	Ba	Barium	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
20	Cr	Chrome	22	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
21	V	Vanadium	22	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
22	Sn	Tin	22	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
23	W	Tungsten	22	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
24	La	Lanthanum	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
25	Al	Aluminum	22	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
26	Mg	Magnesium	22	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
27	Ca	Calcium	22	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
28	Na	Sodium	22	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
29	K	Potassium	22	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
30	Sr	Strontium	22	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
31	Y	Yttrium	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
32	Ga	Gallium	22	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
33	Li	Lithium	22	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
34	Nb	Niobium	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
35	Sc	Scandium	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
36	Ta	Tantalum	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
37	Ti	Titanium	22	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

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Geochemical Lab Report

REPORT: 095-40749.0 (COMPLETE) REFERENCE: -

CLIENT: WMC INTERNATIONAL SUBMITTED BY: R. WILLIAMS
PROJECT: 3011 G10 DATE PRINTED: 24-NOV-95

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
38	Zr	Zirconium	22	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
39	MgO	Mgo	22	0.001 PCT		
40	VF MgO	Volatile Free MgO	22	0.01 PCT		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	22	-150	22	CRUSH, SPLIT	22
				CERAMIC PULVERIZE	22

REPORT COPIES TO: MR. TERRY GOODWIN
BY FAX: T. GOODWIN
ROHAN WILLIAMS

INVOICE TO: MS. DIANA CAMPBELL

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Geochemical Lab Report

DATE PRINTED: 24-NOV-95

REPORT: 095-40749.0 (COMPLETE) PROJECT: 3011 G10 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	LOI PCT	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
204351		7	<5	3	0.23	<0.5	225	7	132	19	57	59	<1
204352		2	29	18	0.87	<0.5	97	26	95	19	105	31	<1
204354		<1	7	3	0.91	<0.5	14	20	24	11	36	4	<1
204355		<1	<5	1	0.48	<0.5	23	21	30	7	20	8	<1
204359		<1	<5	<1	2.20	<0.5	25	12	81	8	18	28	<1
204361		<1	12	17	1.07	<0.5	11	19	75	9	130	36	<1
204362		2	6	15	1.38	<0.5	22	22	66	9	110	41	<1
204364		8	46	41	0.33	<0.5	113	25	66	9	36	35	<1
204365		2	9	17	0.10	<0.5	24	11	74	8	47	38	<1
204366		1	51	4	1.01	<0.5	11	19	50	5	47	18	<1
204367		<1	6	2	0.51	<0.5	32	22	47	11	92	23	<1
204374		5	7	4	0.96	<0.5	30	21	60	12	172	43	<1
204375		3	<5	2	2.14	<0.5	64	19	40	6	53	21	<1
204378		2	6	3	0.42	<0.5	32	14	58	11	127	39	<1
204379		<1	<5	2	1.14	<0.5	4	20	63	8	77	34	<1
204380		7	19	9	0.69	<0.5	134	22	73	6	95	31	<1
204381		4	9	20	0.33	<0.5	20	24	29	6	39	13	<1
204383		<1	<5	1	0.91	<0.5	51	22	31	4	20	11	<1
204384		<1	<5	1	5.24	<0.5	24	5	115	9	609	76	<1
204385		<1	14	10	1.56	<0.5	45	17	66	9	160	33	<1
204386		2	10	8	0.63	<0.5	41	14	49	7	178	35	<1
204387		5	9	5	2.60	<0.5	9	19	72	9	58	11	<1

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Geochemical Lab Report

DATE PRINTED: 24-NOV-95

REPORT: 095-40749.0 (COMPLETE) PROJECT: 3011 G10 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM
204351		<5	<5	<5	>10.00	2713	<25	153	39	446	30	<20	18
204352		<5	<5	<5	5.04	1122	<25	260	150	181	<20	<20	14
204354		<5	<5	<5	0.61	179	<25	119	67	24	<20	<20	5
204355		<5	<5	<5	1.05	295	<25	92	40	47	<20	<20	<5
204359		7	<5	<5	3.95	1376	<25	63	71	170	<20	<20	9
204361		<5	<5	<5	3.69	757	<25	109	55	48	21	<20	7
204362		<5	<5	<5	3.62	1116	<25	97	179	95	<20	<20	6
204364		<5	<5	<5	5.11	921	<25	99	9	256	23	<20	8
204365		<5	<5	7	4.83	1286	<25	104	17	178	20	<20	8
204366		<5	<5	<5	2.06	499	<25	109	19	58	<20	<20	5
204367		7	<5	<5	2.32	713	<25	95	177	97	<20	<20	6
204374		7	<5	<5	3.85	1016	<25	97	306	115	<20	<20	8
204375		<5	<5	<5	2.14	594	<25	104	45	88	<20	<20	6
204378		<5	<5	<5	3.82	1147	<25	87	396	143	23	<20	8
204379		<5	<5	5	3.73	1020	<25	108	49	121	<20	<20	10
204380		<5	<5	<5	2.70	987	<25	101	147	80	<20	<20	6
204381		<5	<5	<5	1.18	311	<25	88	27	32	<20	<20	<5
204383		<5	<5	<5	1.17	349	<25	109	12	96	<20	<20	5
204384		7	12	<5	7.17	1269	<25	49	409	96	<20	<20	11
204385		6	6	<5	3.26	1087	<25	62	655	155	<20	<20	7
204386		11	32	9	3.27	1069	<25	57	800	161	<20	<20	7
204387		11	6	<5	3.23	653	<25	323	175	100	<20	<20	11

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Geochemical Lab Report

DATE PRINTED: 24-NOV-95

REPORT: 095-40749.0 (COMPLETE) PROJECT: 3011 G10 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
204351		7.81	3.38	6.53	1.19	0.85	36	16	<10	15	<5	34	<5
204352		>10.00	2.37	7.65	2.56	0.91	236	11	<10	13	<5	18	<5
204354		9.71	0.13	9.14	2.51	0.40	293	<5	13	5	<5	<5	<5
204355		>10.00	0.35	9.96	2.05	0.34	241	<5	13	4	<5	<5	<5
204359		8.30	3.13	3.28	4.00	0.24	55	10	<10	8	<5	24	<5
204361		>10.00	3.81	8.95	2.01	0.68	226	<5	<10	11	<5	9	<5
204362		>10.00	6.03	7.95	2.08	0.55	212	<5	<10	8	<5	22	<5
204364		>10.00	2.52	8.50	2.57	0.43	268	<5	<10	4	<5	20	<5
204365		>10.00	3.98	8.68	2.38	0.50	249	<5	<10	6	<5	24	<5
204366		>10.00	2.04	8.42	2.11	0.69	221	<5	<10	18	<5	8	<5
204367		>10.00	3.53	9.52	2.20	0.44	230	<5	<10	5	<5	16	<5
204374		>10.00	6.04	8.70	1.94	0.51	212	<5	<10	7	<5	20	<5
204375		>10.00	2.70	8.82	2.28	0.54	273	<5	<10	10	<5	12	<5
204378		>10.00	6.43	9.26	1.97	0.44	183	<5	<10	3	<5	27	<5
204379		>10.00	4.47	8.72	2.37	0.67	234	<5	<10	10	<5	20	<5
204380		>10.00	4.03	9.38	1.74	0.43	279	<5	<10	4	<5	16	<5
204381		>10.00	1.24	9.55	2.55	0.38	284	<5	12	3	<5	<5	<5
204383		>10.00	0.66	9.63	2.10	0.77	299	<5	12	17	<5	<5	<5
204384		7.57	>10.00	5.15	1.08	0.35	202	9	<10	13	<5	11	<5
204385		8.70	7.37	>10.00	1.34	0.48	100	<5	<10	5	<5	29	<5
204386		8.48	7.54	>10.00	1.32	0.39	84	<5	<10	7	<5	30	<5
204387		>10.00	3.22	0.81	3.41	1.82	297	11	<10	42	<5	11	<5

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Geochemical Lab Report

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REPORT: 095-40749.0 (COMPLETE) PROJECT: 3011 G10 PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	MgO PCT	VF MgO PCT
204351		0.97	30	5.604	5.62
204352		0.34	19	3.929	3.96
204354		0.07	11	0.216	0.22
204355		0.11	11	0.580	0.58
204359		0.58	59	5.190	5.31
204361		0.05	16	6.317	6.39
204362		0.08	16	9.998	10.14
204364		0.38	14	4.178	4.19
204365		0.21	17	6.599	6.61
204366		0.08	16	3.382	3.42
204367		0.10	16	5.853	5.88
204374		0.11	16	10.014	10.11
204375		0.10	13	4.477	4.57
204378		0.12	18	10.661	10.71
204379		0.13	18	7.411	7.50
204380		0.09	16	6.682	6.73
204381		0.05	11	2.056	2.06
204383		0.18	13	1.094	1.10
204384		0.37	50	15.490	16.35
204385		0.13	19	12.219	12.41
204386		0.13	23	12.501	12.58
204387		0.30	119	5.339	5.48

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Geochemical Lab Report

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PROJECT: 3011 G10

STANDARD NAME	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	LOI PCT	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
ANALYTICAL BLANK		<1	<5	<1	-	<0.5	1	<2	<2	<1	<1	<1	<1
Number of Analyses		1	1	1	-	1	1	1	1	1	1	1	1
ean Value		0.5	2.5	0.5	-	0.25	1.3	1.0	1.0	0.5	0.5	0.5	0.5
tandard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	5	1	<0.01	0.2	1	2	1	1	1	1	1
oss on Ignition Std		-	-	-	3.90	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	1	-	-	-	-	-	-	-	-
Mean Value		-	-	-	3.900	-	-	-	-	-	-	-	-
tandard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
ccepted Value		-	-	-	4.30	-	-	-	-	-	-	-	-
C GEOCHEM STD 4		-	-	-	-	0.7	253	34	265	6	43	9	<1
mber of Analyses		-	-	-	-	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	0.69	253.4	34.0	265.5	6.0	43.4	9.4	0.5
tandard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
cepted Value		-	-	-	-	0.5	290	33	255	4	42	9	1

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Geochemical Lab Report

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REPORT: 095-40749.0 (COMPLETE) PROJECT: 3011 G10 PAGE 2B

STANDARD NAME	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM
ANALYTICAL BLANK		<5	10	<5	<0.01	<5	<25	<5	8	<2	<20	<20	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		2.5	10.0	2.5	0.005	2.5	12.5	2.5	7.5	1.0	10.0	10.0	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1
Loss on Ignition Std		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-
BC GEOCHEM STD 4		7	41	<5	2.07	617	<25	331	101	26	<20	<20	13
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		7.1	41.0	2.5	2.074	617.0	12.5	330.5	101.2	26.0	10.0	10.0	12.6
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	30	1	2.81	600	-	305	136	29	5	1	8

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Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 24-NOV-95

REPORT: 095-40749.0 (COMPLETE) PROJECT: 3011 G10 PAGE 2C

STANDARD NAME	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
ANALYTICAL BLANK		0.01	<0.01	0.02	0.01	<0.01	<1	<5	<10	<2	<5	<5	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.010	0.005	0.015	0.015	0.005	0.5	2.5	5.0	1.0	2.5	2.5	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<1	<1	<1	<1	<1
Loss on Ignition Std		-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 4		5.99	1.53	1.46	1.91	1.28	76	6	<10	9	<5	9	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		5.990	1.528	1.457	1.910	1.281	76.0	5.8	5.0	8.5	2.5	9.2	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		6.88	1.34	1.43	1.82	0.89	90	8	8	10	7	12	1

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

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STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	MgO PCT	VF MgO PCT
ANALYTICAL BLANK		<0.01	<6	-	-
Number of Analyses		1	1	-	-
Mean Value		0.005	3.0	-	-
Standard Deviation		-	-	-	-
Accepted Value		<0.01	<1	<0.001	<0.01
Loss on Ignition Std		-	-	-	-
Number of Analyses		-	-	-	-
Mean Value		-	-	-	-
Standard Deviation		-	-	-	-
Accepted Value		-	-	-	-
BCC GEOCHEM STD 4		0.09	67	-	-
Number of Analyses		1	1	-	-
Mean Value		0.093	67.0	-	-
Standard Deviation		-	-	-	-
Accepted Value		0.12	68	-	-

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	LOI PCT	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM
2(351		7	<5	3	0.23	<0.5	225	7	132	19	57	59	<1
Duplicate					0.20								
2(366		1	51	4	1.01	<0.5	11	19	50	5	47	18	<1
Duplicate		1	53	5	1.01	<0.5	14	20	52	6	46	19	<1
2(383		<1	<5	1	0.91	<0.5	51	22	31	4	20	11	<1
Duplicate					0.88								

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SAMPLE NUMBER	ELEMENT UNITS	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM
204351		<5	<5	<5	>10.00	2713	<25	153	39	446	30	<20	18
Duplicate													
204366		<5	<5	<5	2.06	499	<25	109	19	58	<20	<20	5
Duplicate		<5	<5	<5	2.06	506	<25	107	22	59	<20	<20	6
204383		<5	<5	<5	1.17	349	<25	109	12	96	<20	<20	5
Duplicate													

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SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
204351		7.81	3.38	6.53	1.19	0.85	36	16	<10	15	<5	34	<5
Duplicate													
204366		>10.00	2.04	8.42	2.11	0.69	221	<5	<10	18	<5	8	<5
Duplicate		>10.00	2.21	8.78	2.10	0.68	234	<5	<10	19	<5	8	<5
204383		>10.00	0.66	9.63	2.10	0.77	299	<5	12	17	<5	<5	<5
Duplicate													

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SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	MgO PCT	VF MgO PCT
204351		0.97	30	5.604	5.62
Duplicate					
204366		0.08	16	3.382	3.42
Duplicate		0.08	13		
204383		0.18	13	1.094	1.10
Duplicate					

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APPENDIX X

Table of Expenditures

Appendix X: Table of Expenditures

a) *Geochemical Survey:*

1 Geochemist T.Goodwin. Total 10 days @ $275/day	$ 2750
4 Samplers - M.Hebel (27days), T.Mckinnon(27days),L.Tulk(22days) and M.Taylor(22days). Total 98 days @ $200/day	$ 19600
Travel Ottawa to Sudbury return. 1 trip @ $900	$ 900
Overburden Drilling Management Costs. 99 samples @ $136.05/sample	$ 13469
Overburden Drilling Management Consulting Fee	$ 347
Bondar Clegg assay results- Soils 99 @ $10.25/sample	$ 1015
- Tills 99 @ $25.50/sample	$ 2525
Air charter costs - Algonquin Flight Centre, for till feasibility	$ 615
Lodging. 5 weeks @ $200/week	$ 1000
Gas. 27 days @ $15/day	$ 405
Food. Total 108 days @ $20/day	$ 2160
Total	**$ 44586**
($450.36/sample)	

Original till orientation survey - Bondar Clegg assays	
- Soils 5 @ $10.25/sample	$ 51
- Tills 4 @ $25.50/sample	$ 102
- Overburden Drilling Management costs	
- 4 samples @ $120/sample	$ 480
- Pebble Counts	$ 1340
Total	**$ 1973**
($490.75/till+soil & $10.25/ 1 soil)	

b) ***Geological Mapping and Sampling:***

3 Geologists. C.Newman (27 days) and R.Williams (38 days) and I.Lawyer (9 days) Total 57 days @ $275/day	$ 15675
plus 17 days on A. Leblanc's claims @ $275/day	$ 4675
Travel Ottawa to Sudbury return. 3 trips @ $650/trip	$ 1950
Rock Sample Analyses. Total 122 samples @ $22.50/sample	$ 2745
Thin Sections. 6 samples @ $15/sample	$ 90
Polished Thin Sections. 21 samples @ $25/sample	$ 525
Thin Section Study. C.Newman 2 days @ $275/day	$ 550
Drafting. P.Chiles (60hours), L.Wu (60hours), A.Collins (24hours) and A.Robittaille (80hours). Total 224hours @ $21.50/hour	$ 4816
Report Writing and Compilation. C.Newman 10 days @ $275/day	$ 2750
Lodging. 12 weeks @ $100/week	$ 1200
Hotel accommodation in Sudbury and Field. R.Williams (15 days), I.Lawyer (8 days) and C.Newman (5 days). Total 28 days@$70/day	$ 1960
Gas. 33 days @ $15/day	$ 495
Food. Total 74 days @ $20/day	$ 1480
Total	**$ 38911**

TOTAL EXPENDITURE $ 85470

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9670.00047

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.16588

41I09NE0007 2.16588 DANA

900

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for re Recorder.
- A separate copy of this form must be complet
- Technical reports and maps must accompany
- A sketch, showing the claims the work is assi

Recorded Holder(s)		Client No.
WMC INTERNATIONAL LIMITED		293367
Address		**Telephone No.**
22 OURDWARA ROAD, NEPEAN, ONT K2E 8A2		(613) 727-3937
Mining Division	**Township/Area**	**M or G Plan No.**
SUDBURY	CREIGHTON, HENDRY, HUNTER STREET, LOUGHRIN, JAMES,	
Dates Work Performed From: OCTOBER 11/94	To: MARCH 19/96	

Work Performed (Check One Work Group Only)

	Work Group	Type
✓	Geotechnical Survey	GEOLOGICAL(MAPPING), GEOCHEMICAL(TILL, ROCK, SOIL)
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

RECEIVED
JUN 5 - 1996
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 79902

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
WMC INTERNATIONAL LIMITED	NEPEAN, ONT.
BONDAR-CLEGG	OTTAWA, ONT.
OVERBURDEN DRILLING-MANAGEMENT	NEPEAN, ONT.

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

	Date	Recorded Holder or Agent (Signature)
I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	March 20/96	Pamela Clegg

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying
CHRIS NEWMAN, WMC INTL LTD., 22 OURDWARA RD., NEPEAN, K2E8A2

Telepone No.	Date	Certified By (Signature)
(613) 727-3937	March 20/96	C.R. Newman

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
Applied $72,712.00 Reserved $7,190.00	March 22, 1996	Acting Kim Groves	RECEIVED MAR 22 1996
	Deemed Approval Date: June 20/96	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1118703	4	~~542~~ 546	~~542~~ 546		
	1118704	12	218	218		
	1118705	2	36	36		
	1118706	1	18	18		
	1118707	4	73	73		
	1118708	6	109	109		
	1118709	6	109	109		
	1118711	2	36	36		
	1118712	2	36	36		
	1118713	2	36	36		
	1118751	4	95	95		
	1118752	16	359	359		
	1118753	6	109	109		
	1118754	1	18	18		
	1118755	2	36	36		
	1118756	16	291	291		
	1118757	16	291	291		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

5/91)

2

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1118758	9	164	164		
	1118759	15	273	273		
	1118760	3	55	55		
	1118761	4	73	73		
	1118762	6	109	109		
	1118763	1	18	18		
	1118764	16	1192	1192		
	1118765	2	36	36		
	1197901	16	1800	1800		
	1197903	16	742	742		
	1197904	16	2093	2093		
	1197905	16	742	742		
	1197906	16	314	314		
	1197907	8	618	618		
	1197908	8	146	146		
	1197909	16	314	314		
	1197910	16	291	291		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

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1. ☑ Credits are to be cut back starting with the claim listed ~~last~~ first, working ~~backwards~~ forwards *
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
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Signature

Date

3

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1197911	16	291	291		
	1197912	16	291	291		
	1197914	15	273	273		
	1197915	5	91	91		
	1197916	16	291	291		
	1197917	16	742	742		
	1197918	16	291	291		
	1197919	16	1327	1327		
	1197920	8	146	146		
	1197921	4	73	73		
	1197922	4	523	523		
	1197923	8	596	596		
	1197924	16	742	742		
	1197925	16	291	291		
	1197926	5	91	91		
	1197927	6	109	109		
	1197928	2	36	36		
		Total Number of Claims	Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

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4

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1197929	6	109	109		
	1197930	4	73	73		
	1197931	16	787	787		
	1197932	6	560	560		
	1197933	8	596	596		
	1197934	4	73	73		
	1197935	9	164	164		
	1197937	12	669	669		
	1197942	4	73	73		
	1197943	6	109	109		
	1197944	16	1192	1192		
	1197945	8	146	146		
	1197946	2	36	36		
	1197947	2	36	36		
	1197948	8	596	596		
	1197949	16	291	291		
	1197950	8	146	146		
		Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

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Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1197951	8	618	618		
	1197952	9	209	209		
	1197953	1	18	18		
	1197954	6	109	109		
	1197955	4	73	73		
	1197956	8	146	146		
	1197957	2	36	36		
	1197958	8	146	146		
	1197959	4	73	73		
	1197960	16	291	291		
	1197961	1	18	18		
	1197962	4	73	73		
	1197963	2	36	36		
	1197964	3	55	55		
	1197965	4	546	546		
	1197966	8	146	146		
	1197967	8	168	168		
		Total Number of Claims	Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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	1197968	8	146	146		
	1197969	4	73	73		
	1197970	12	218	218		
	1197971	2	36	36		
	1197972	12	218	218		
	1197973	2	36	36		
	1197974	4	523	523		
	1197975	16	291	291		
	1197976	2	36	36		
	1197977	8	146	146		
	1197978	4	73	73		
	1197979	16	291	291		
	1197980	16	291	291		
	1197981	16	291	291		
	1197982	16	291	291		
	1197983	16	291	291		
	1197984	16	291	291		
		Total Number of Claims	Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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	1197985	16	1192	1192		
	1197986	16	1192	1192		
	1197987	16	742	742		
	1197988	8	146	146		
	1197989	4	73	73		
	1197990	8	596	596		
	1197991	16	1237	1237		
	1197992	12	669	669		
	1197993	3	55	55		
	1197994	8	146	146		
	1197995	16	291	291		
	1197996	16	291	291		
	1197997	7	578	578		
	1197998	2	36	36		
	1197999	4	586	586		
	1198000	8	213	213		
	1198001	8	258	258		
		Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1198002	8	2032	2032		
	1198003	8	1947	1947		
	1198004	8	1497	1497		
	1198005	2	419	419		
	1198006	2	36	36		
	1198007	11	651	651		
	1198008	8	636	636		
	1198009	2	36	36		
	1198010	4	658	658		
	1198011	8	148	146		
	1198012	8	146	146		
	1198013	4	73	73		
	1198014	6	109	109		
	1198015	15	273	273		
	1198016	9	164	164		
	1198017	4	73	73		
	1198018	4	73	73		
		Total Number of Claims	Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

4

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1198019	14	255	255		
	1198020	16	291	291		
	1198021	8	146	146		
	1198022	8	596	596		
	1198023	7	578	578		
	1198024	9	164	164		
	1198025	1	18	18		
	1198026	3	55	55		
	1198027	2	36	36		
	1198028	9	1087	1087		
	1198029	16	742	742		
	1198030	16	291	291		
	1198031	16	291	291		
	1198032	4	73	73		
	1198033	16	291	291		
	1198034	16	291	291		
	1198035	8	596	596		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

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Signature

Date

10

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1198036	1	469	469		
	1198037	12	669	669		
	1198038	16	1214	1214		
	1198040	12	218	218		
	1198041	5	91	91		
	1198042	1	18	18		
	1198043	8	146	146		
	1198044	16	314	314		
	1198045	6	1460	1460		
	1198050	4	73	73		
	1198051	4	73	73		
	1198052	4	73	73		
	1198053	6	109	109		
	1198054	4	73	73		
	1198182	2	36	36		
	1198183	2	36	36		
	1198185	2	36	36		
		Total Number of Claims	Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

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Signature

Date

11

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1198186	3	55	55		1
	1198187	4	3225	1600	—	1625
	1198188	3	55	55		
	1198189	3	55	55		
	1198190	2	487	487		
	1198194	16	1192	1192		
	1198195	15	1174	1174		
	1198196	4	73	73		
	1198197	4	974	974		
	1198198	1	18	18		
	1076224	1	2012	400	574	1038
	1076225	1	756	400	—	356
	1076226	1	1206	400	—	806
	1076227	1	756	400	—	356
	1076228	1	756	400	—	356
	1076229	1	1229	400	—	829
	1117573	1	756	400	—	356
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

0241 (03/91)

12

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1197507 * March 22	4	3068	1600	—	1468
	1197500 * March 28	12	4226	4800	—	—
	1179496	4	95	95	—	—
			79903 ~~79906~~	72,712 ~~72716~~		
	190				574	7190
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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1. ☑ Credits are to be cut back starting with the claim listed first, working ~~backwards~~ forwards *
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Signature

Date

0241 (03/91)

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit
(After Recording)

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction
W9670.00047

RV

2.16138

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	24857	
	Field Supervision Supervision sur le terrain	22514	47371
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type: OVS. DRILLING	14240	
	BONDARCHUK	5636	
	THIN SECTIONS	1142	21018
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		68389

RECEIVED
JUN 5 - 1996
MINING LANDS BRANCH

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type: AIR-SUDBURY	2721	
	CHARTER	553	
	GAS	849	
			4123
Food and Lodging Nourriture et hébergement		7390	7390
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		11513
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		79902

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as SENIOR PROJECT GEOLOGIST I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
	March 29/96

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit (After Recording)
État des coûts aux fins du crédit d'évaluation

Transaction No./N° de transaction: W9670.00047

RV

Mining Act/Loi sur les mines 2.16588

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

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	THIN SECTIONS	1142	21018
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
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RECEIVED
JUN 5 - 1996
MINING LANDS BRANCH

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Remises pour dépôt

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Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

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à faire cette attestation.

Signature	Date
	March 20/96

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin [illegible]

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

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

Telephone: (705) 670-5853
Fax: (705) 670-5863

August 8, 1996

Our File: 2.16588
Transaction #W9670.00047

Mining Recorder
Ministry of Northern Development & Mines
933 Ramsey Lake Road, 3rd Floor
Sudbury, Ontario
P3E 6B5

Dear Mr. Denomme:

SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S) 1118703 (ET AL.) IN CRERAR TOWNSHIP (AREA)

The revisions outlined in the Notice dated June 14, 1996, have been corrected. Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission. The credit has been approved under Section(s) 12,13, Geological(GEOL), Geochemical(GCHEM) of the Assessment Work Regulation.

The approval date is July 29, 1996. Please indicate this approval on the claim record.

If you have any questions regarding this correspondence, please contact Bruce Gates at (705) 670-5856.

Yours Sincerely,
ORIGINAL SIGNED BY:

for Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

BIG/jf
Enclosure:

cc: Resident Geologist
Sudbury, Ontario

Assessment Files Library
Sudbury, Ontario

Ontario Ministry of Natural Resources

Ministry of Northern Development and Mines

IN SERVICE APRIL 27, 1989

INDEX TO LAND DISPOSITION

PLAN

G-4109

TOWNSHIP

STREET

DATE OF ISSUE
JUN 4 1996
SUDBURY
MINING RECORDER'S OFFICE

M.N.R. ADMINISTRATIVE DISTRICT

SUDBURY

MINING DIVISION

SUDBURY

LAND TITLES/REGISTRY DIVISION

SUDBURY

2.16588

Scale 1:20 000

1000 Metres 0 1000 2000 Metres

1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
(R) SEC 42/60		29/10/69	SRO	

SYMBOLS

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

DISPOSITION OF CROWN LANDS

- Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Order-in-Council — OC
- Cancelled — C
- Reservation — R
- Sand & Gravel — S

NOTES

THE SUBDIVISION OF THE TOWNSHIP OF STREET AS LAID OUT INTO LOTS AND CONCESSIONS WAS ANNULLED IN 1953.

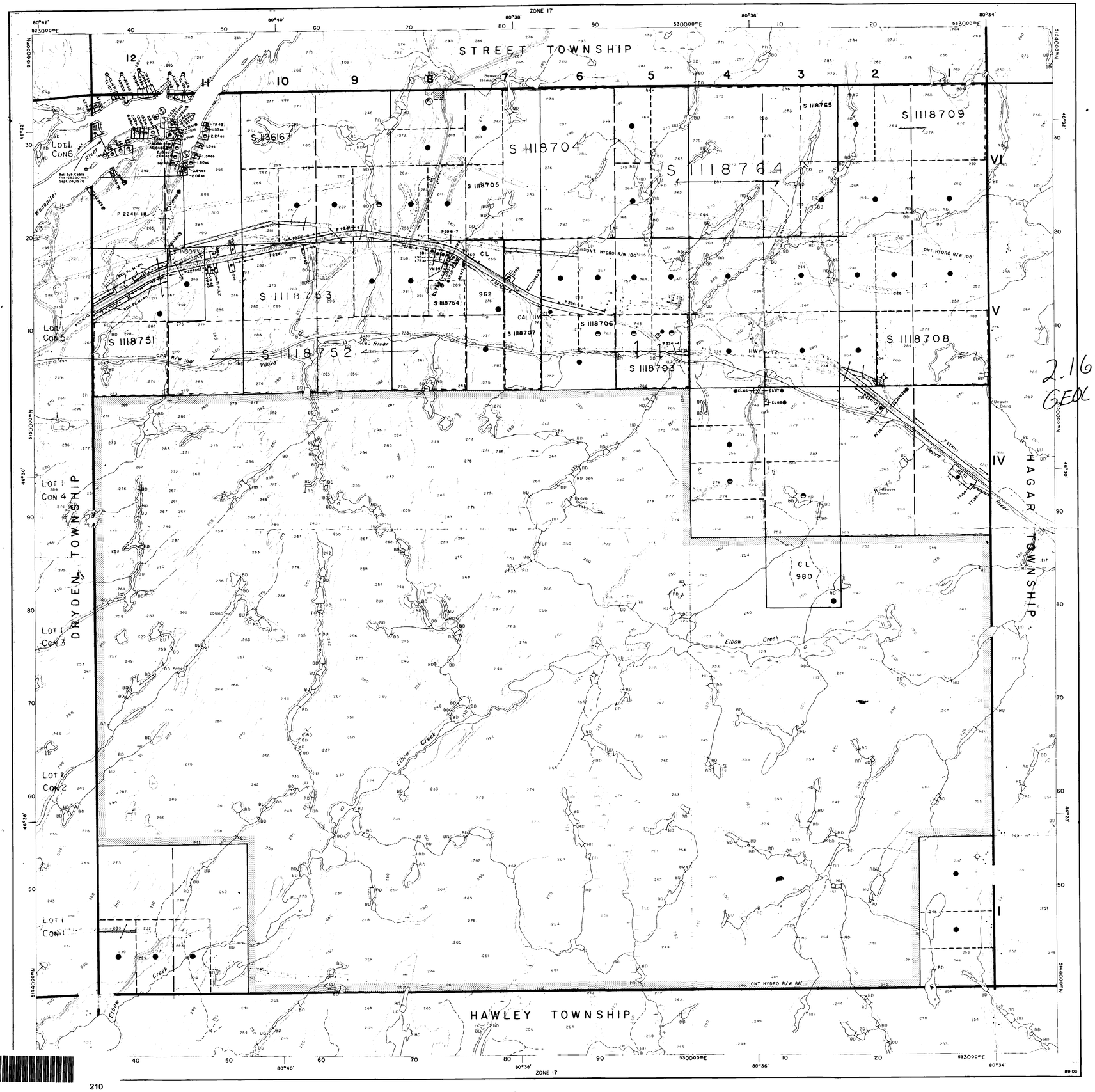
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF LANDS SHOWN.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

88 08

41I09NE0007 2.16588 DANA



Ministry of Natural Resources
Ontario

Ministry of Northern Development and Mines

IN SERVICE OCT.3/89

INDEX TO LAND DISPOSITION

PLAN
G-4008

TOWNSHIP
AWREY

DATE OF ISSUE
MAY 30 1996
SUDBURY
MINING RECORDER'S OFFICE

M.N.R. ADMINISTRATIVE DISTRICT
SUDBURY
MINING DIVISION
SUDBURY
LAND TITLES/REGISTRY DIVISION
SUDBURY

Scale 1:20 000

1000 Metres 0 1000 2000 Metres
1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

2.16588

2.16588
GEOL GCHEM

SYMBOLS

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

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
(R) WASTE DISPOSAL SITE		1/6/83		
(R) PUBLIC ACCES		1/6/83		

DISPOSITION OF CROWN LANDS

- Patent
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Lease
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation
- Order-in-Council — OC
- Cancelled
- Reservation
- Sand & Gravel
- LAND USE PERMIT

NOTES

THE SUBDIVISION OF THIS TOWNSHIP INTO LOTS AND CONCESSIONS IS PARTIALLY ANNULLED BY ORDER OF THE DEPUTY MINISTER OF NATURAL RESOURCES, MAY 19, 1967.
SHOWN THUS:

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

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

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G-4008

AWREY TWP.

41I09NE0007 2.16588 DANA

Ontario Natural Resources | Northern Development and Mines

IN SERVICE 12/12/89

INDEX TO LAND DISPOSITION

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G-4075

TOWNSHIP
LOUGHRIN

M.N.R. ADMINISTRATIVE DISTRICT
SUDBURY

MINING DIVISION
SUDBURY

LAND TITLES/REGISTRY DIVISION
SUDBURY

2.16588

Scale 1:20 000

1000 Metres 0 1000 2000 Metres

1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

DATE OF ISSUE
MAY 30 1996
SUDBURY
MINING RECORDER'S OFFICE

2.16588
GEOL., GEOCHEM

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
(R) Sec. 36/80	W. 89/86	5/11/86	M + S	

SYMBOLS

- Boundary
  - Township, Meridian, Baseline
  - Road allowance: surveyed
    - shoreline
  - Lot/Concession: surveyed
    - unsurveyed
  - Parcel: surveyed
    - unsurveyed
  - Right-of-way: road
    - railway
    - utility
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  - Interpolated
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- Road, highway, county, township
  - access
  - trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

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  - Surface & Mining Rights
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- Lease
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation
- Order-in-Council — OC
- Cancelled
- Reservation
- Sand & Gravel

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88 06

41109NE0007 2.16588 DANA

Ministry of Natural Resources
Ontario

Ministry of Northern Development and Mines

In Service October 12, 1995

INDEX TO LAND DISPOSITION

PLAN
G-4056

TOWNSHIP
HAGAR

DATE OF ISSUE
MAY 29 1998
PROVINCIAL RECORDING OFFICE - SUDBURY

M.N.R. ADMINISTRATIVE DISTRICT
SUDBURY
MINING DIVISION
SUDBURY
LAND TITLES/REGISTRY DIVISION
SUDBURY

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

Scale 1:20 000

1000 Metres 0 1000 2000 Metres

1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

	Description	Order No.	Date	Disposition	File
(R)	SEC.35,R.6,PRO	W-8-80/93 NER	APR/93	S.R.O	T-Z 195 80

SYMBOLS

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

DISPOSITION OF CROWN LANDS

Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

- Licence of Occupation
- Order-in-Council: OC
- Cancelled
- Reservation
- Sand & Gravel

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

41109NE0007 2.16688 DANA

G-3185

DAVIS TWP.

January 1986

MAP SYMBOLOGY

Aerial Cableway
Boundary
International
Interprovincial
District, Township, Indian Reserve
Agreement
Lot, Concession
Agreement
Park Boundary
Bridge
Road, Railroad
Building
Chimney
Cliff, Pit, Pile
Contours
Intermediate
Supplementary
Depression
Control Points
Horizontal
Vertical
Culvert
Falls
Fence, Hedge, Wall
Feature Outline (Construction features, etc.)
Flooded Land
Lock
Marsh or Swamp
Mast
Mine Head Frame
Outcrop

Pipeline (above ground)
Railroad
Single Track
Double Track
Abandoned
Turntable
Road
Highway, County
Access (road of discipline or reference or supplementary dimension)
Trail, Base Road (Township Survey)
Rapids
Double line river with multiple rapids
Double line river with multiple rapids
Reservoir
River, Stream, Canal
Intermittent
Apparent Direction of Flow
Rock
Escarpment
Head
Spot Elevation (Trees approximate)
Tower
Transmission Line
Poles
Pylons
Tunnel
Utility Poles
Wharf, Dock, Pier
Wooded Area

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
SEC 43/70	W 14/75	20/2/75	M&S	46248-2

NOTE

THE SUBDIVISION OF THIS TOWNSHIP INTO LOTS AND CONCESSIONS WAS PARTIALLY ANNULLED ON DECEMBER 29, 1953.

KELLY TWP.

SCADDING TWP.

JANES TWP.

LOUGHRIN TWP.

Kukagami Lake
Ashigami Lake
Washagami Lake
Insect Lake
Murray Lake
Fortune Lake
Lake Nipissing
Kabakatawa River
CANADIAN NATIONAL RAILWAY
CPR
WASHAGAMI

LEGEND

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

DISPOSITION OF CROWN LANDS

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

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

S.R.O. SURFACE RIGHTS ONLY

Metres 500 0 1000 Metres
Chains 10 0 10 20 30 40 50 60 70 Chains
Feet 500 0 1000 2000 3000 4000 5000 Feet

SCALE 1:20 000

GRID ZONE: 17

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

JUNE 1ST, OPENINGS
ONTARIO GAZETTE VOL. 122-18
MAY 6TH, 1989

E 1/4 OF N 1/2 LOT 9 CONC
W 1/4 OF N 1/2 LOT 9 CONC
SE 1/4 OF N 1/2 LOT 10 CONC
SW 1/4 OF N 1/2 LOT 10 CONC

* 14-138, SEE ONTARIO GAZETTE, Vol. 2 of MAY 4TH, 1985 COPY ALSO N. LAND HOLD.

* JUNE 1, 1994, OPENINGS ONTARIO GAZETTE VOL 127-20 MAY 14, 1994.

TOWNSHIP

DAVIS

M.N.R. ADMINISTRATIVE DISTRICT
SUDBURY
MINING DIVISION
SUDBURY
LAND TITLES / REGISTRY DIVISION
SUDBURY

DATE OF ISSUE MAY 29 1998
PROVINCIAL RECORDING OFFICE SUDBURY ONTARIO

Ministry of Natural Resources — Land Management Branch
Ontario

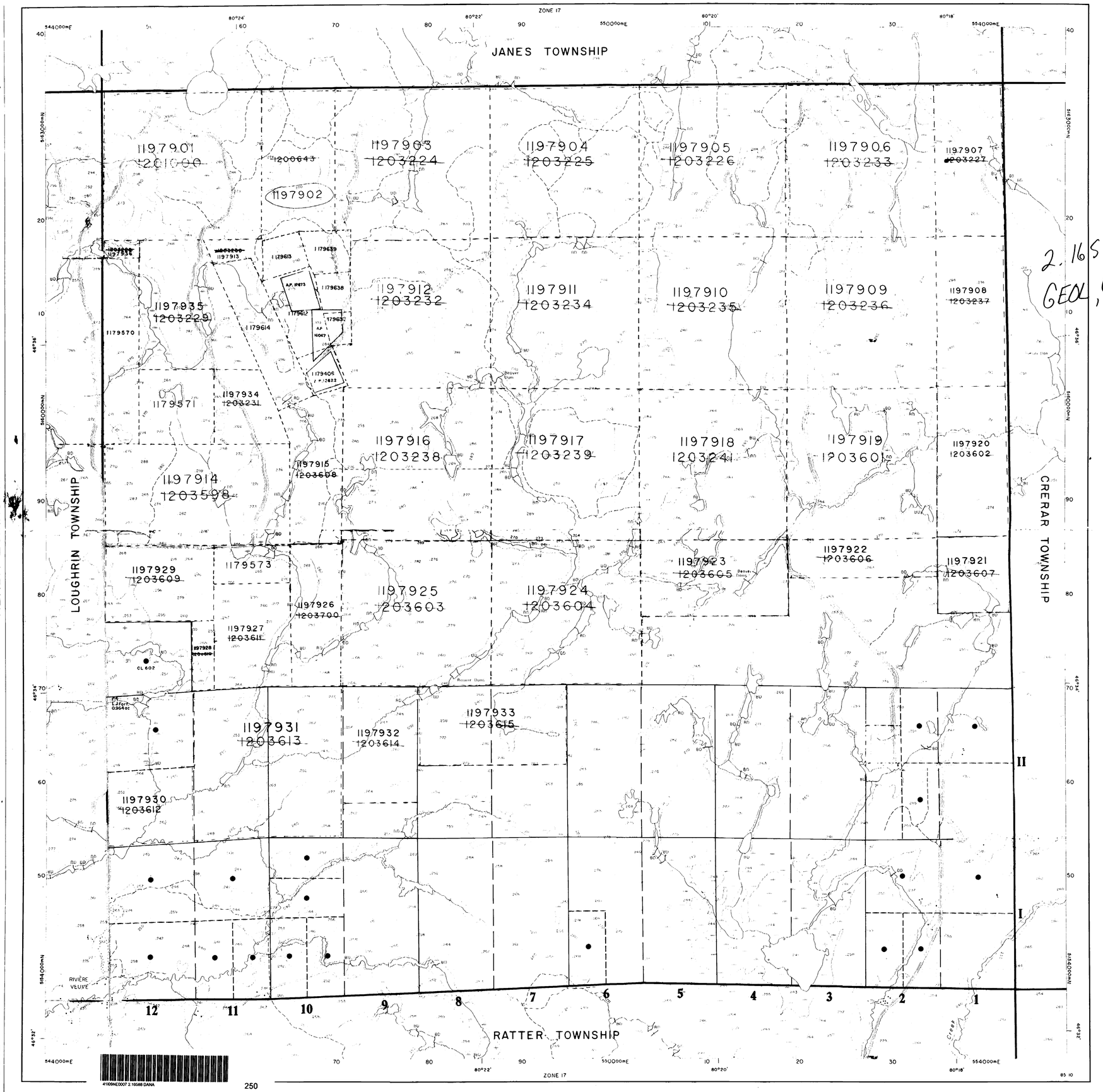
Original Compilation: SEPT., 1985
Revised:
Number: G-3182

G-3185

41009W00007 216586 DAVIS

240

G-2913



Ministry of Natural Resources
Ministry of Northern Affairs and Mines
Ontario

INDEX TO LAND DISPOSITION

PLAN
G-2913

TOWNSHIP
HENRY

M.N.R. ADMINISTRATIVE DISTRICT
NORTH BAY

MINING DIVISION
SUDBURY

LAND TITLES/REGISTRY DIVISION
SUDBURY

2.16588

Scale 1:20 000

Metres 1000 0 1000 2000 Metres

Feet 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

2.16588
GEOL, CHEM

DATE OF ISSUE
MAY 30 1988
SUDBURY
MINING RECORDER'S OFFICE

SYMBOLS

Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
- shoreline
- Lot/Concession; surveyed
- unsurveyed
- Parcel; surveyed
- unsurveyed
- Right-of-way; road
- railway
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway; single track
- double track
- abandoned
- Road; highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Order-in-Council — OC
- Cancelled
- Reservation — R
- Sand & Gravel — G

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File

ANNULMENT

SUBDIVISION OF THIS TOWNSHIP INTO LOTS AND CONCESSIONS WAS PARTIALLY ANNULLED ON JANUARY 2, 1964

A.P. 12673 EXPIRY MAY 17, 1994
A.P. 12672 EXPIRY MAY 17, 1994

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

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

41I09NE0007 2.16588 DANA

250

Ontario

Ministry of Natural Resources

Ministry of Northern Affairs and Mines

INDEX TO LAND DISPOSITION

PLAN

G-2907

TOWNSHIP

JANES

M.N.R. ADMINISTRATIVE DISTRICT

NORTH BAY

MINING DIVISION

SUDBURY

LAND TITLES/REGISTRY DIVISION

SUDBURY

2.16588

Scale 1:20 000

1000 Metres 0 1000 2000 Metres

1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

DATE OF ISSUE

MAY 30 1996

SUDBURY MINING RECORDER'S OFFICE

SYMBOLS

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

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

	Description	Order No.	Date	Disposition	File
	~~SEC.35/80~~	~~W-2/84~~	~~26/3/84~~	~~M & S~~	~~188150~~
S	Sec. 43/70	W 94/77	6/12/77	SRO	188530

Part of order W 2/84 REOPENED by order O-ML 01/90 NER effective April 3,1990 at 7:00 AM E.S.T.

NOTES

Subdivision of this Township into Lots and Concessions was annulled 29th December, 1953.

DISPOSITION OF CROWN LANDS

Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation

Order-in-Council OC

Cancelled

Reservation

Sand & Gravel

LAND USE PERMIT

QUARRY PERMITS

DESCRIPTION	FILE No.	ISSUE DATE	EXPIRATION DATE

2.16588 GEOL, GCHEM

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

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

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41105NE0007 2.16588 DANA

260

Ministry of Natural Resources
Ministry of Northern Affairs and Mines
Ontario

INDEX TO LAND DISPOSITION

PLAN
G-2904

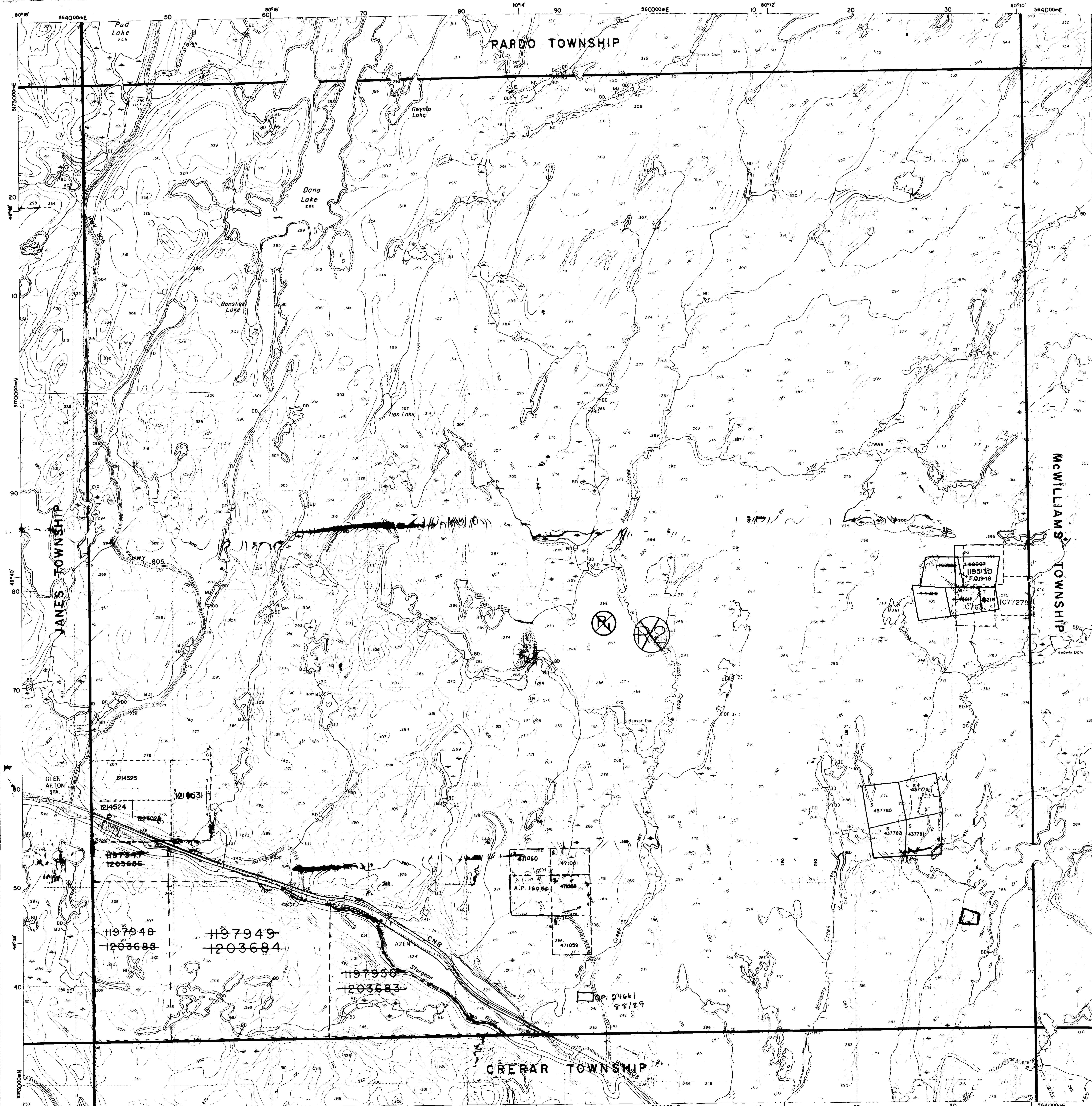
TOWNSHIP
DANA

M.N.R. ADMINISTRATIVE DISTRICT
NORTH BAY

MINING DIVISION
SUDBURY

LAND TITLES/REGISTRY DIVISION
NIPISSING

DATE OF ISSUE
MAY 29 1998
PROVINCIAL RECORDING OFFICE - SUDBURY



Scale 1:20 000

Metres 1000 0 1000 2000 Metres

Feet 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
SEC.35/90	0-3-22/96	09/05/96	M & S	196150
~~SEC.36/80~~	~~W.2/82~~	~~5 NOV.82~~	~~M&S~~	
Part of order W 2/82 REOPENED by order O-ML 01/90 NER effective April 3,1990 at 7.00 AM E.S.T.				
~~SEC.35/90~~	~~W-S-87/90~~	~~20MAY96~~	~~M-S-S~~	~~196150~~

A.P. 16080 JUNE 1/92 TO MAY 31/94
☐ Pending Application for Aggregate Permit (Dec./94)

NOTES

SUBDIVISION OF THIS TOWNSHIP INTO LOTS AND CONCESSIONS WAS ANNULLED.

SYMBOLS

Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
  - shoreline
- Lot/Concession; surveyed
  - unsurveyed
- Parcel; surveyed
  - unsurveyed
- Right-of-way, road
  - railway
  - utility
- Reservation

Cliff, Pit, Pile

Contour
- Interpolated
- Approximate
- Depression

Control point (horizontal)

Flooded land

Mine head frame

Pipeline (above ground)

Railway; single track
- double track
- abandoned

Road; highway, county, township
- access
- trail, bush

Shoreline (original)

Transmission line

Wooded area

DISPOSITION OF CROWN LANDS

Patent
- Surface & Mining Rights ●
- Surface Rights Only
- Mining Rights Only

Lease
- Surface & Mining Rights ■
- Surface Rights Only
- Mining Rights Only

Licence of Occupation ▼

Order-in-Council OC

Cancelled ⊗

Reservation Ⓡ

Sand & Gravel Ⓖ

JUNE 1, 1996 OPENINGS T 45218
T 45217
T 45216
T 62007
T 62008

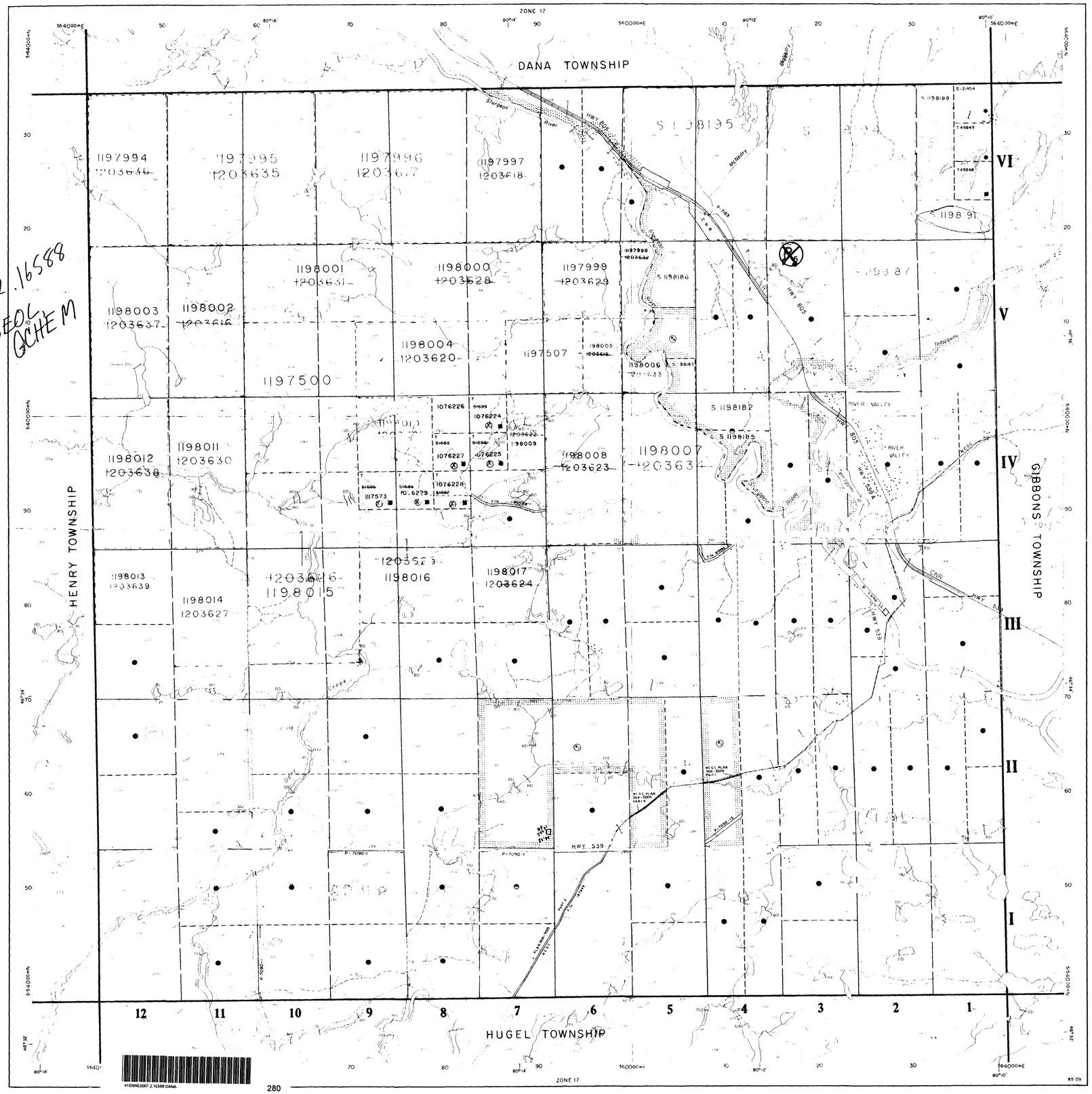
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Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

41I09NE0007 2.16588 DANA

G-2903
CRERAR TWP.



2.16588
GEOL
GCHEM

Ministry of Natural Resources
Ontario

Ministry of Northern Affairs and Mines

INDEX TO LAND DISPOSITION

PLAN
G-2903

TOWNSHIP
CRERAR

2.16588

M.N.R. ADMINISTRATIVE DISTRICT
NORTH BAY

MINING DIVISION
SUDBURY

LAND TITLES/REGISTRY DIVISION
NIPISSING

Scale 1:20 000

1000 0 1000 2000 Metres
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

SYMBOLS

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

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

	Description	Order No.	Date	Disposition	File
R	Reforestration REFORESTION		13/01/69	S R	160707 Vol 2
R	SEC 36/80	W8/81 W-P-84	9/12/81	S R	160707
R	~~SEC 36/80~~ SEC 36/80	~~W 2/84~~ W 2/84	~~15/5/84~~ 04/04/90	~~M-RS~~ M & S	~~160540~~ 160540

~~1st of order W 2/84~~ REOPENED by order ML 01/90 NER effective April 3/1990 at 7:00 AM E.S.T.

DATE OF ISSUE
MAY 30 1990
SUDBURY
MINING RECORDER'S OFFICE

DISPOSITION OF CROWN LANDS

- Patent
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Lease
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation
- Order-in-Council — OC
- Cancelled
- Reservation
- Sand & Gravel

JUNE 1ST. OPENINGS
ONTARIO GAZETTE VOL.122-18
MAY 6, 1989

W 1/2 OF N 1/2 LOT 7 CON.4
NW 1/4 OF N 1/2 LOT 8 CON.4
S 1/2 OF N 1/2 LOT 8 CON.4
N 1/2 OF S 1/2 LOT 8 CON.4
SW 1/4 OF S 1/2 LOT 8 CON.4
SE 1/4 OF N 1/2 LOT 9 CON.4
E 1/2 OF S 1/2 LOT 9 CON.4

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

41109NE0007 2.16588 DANA
280
G-2903
CRERAR TWP.

522000

5170000

569000

5149000

LEGEND

- Till sample (prefixed by CS204)
- Soil sample (prefixed by CS104) – same location as tills
- Orientation survey till sample (prefixed by CS101)

0 1 2 3 4

MILES

0 1 2 3 4 5 6

KILOMETRES

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

Till Sample Location
2.165 8 8

COMPILED: RW	SCALE: 1:50000	PN: 3011
DRAFTED: AR	REVISION: PC	PLAN: 3011TILL.DWG
DATE: Nov. 28,95	DATE: MAR 20 96	MAP No.: 1

5170000

522000

569000

5149000

5149000

⊠ Rock sample (prefixed by CR101)
× Rock sample (prefixed by 204)

0 1 2 3 4
MILES

0 1 2 3 4 5 6
KILOMETRES

WMC International Limited
Americas Division – Exploration

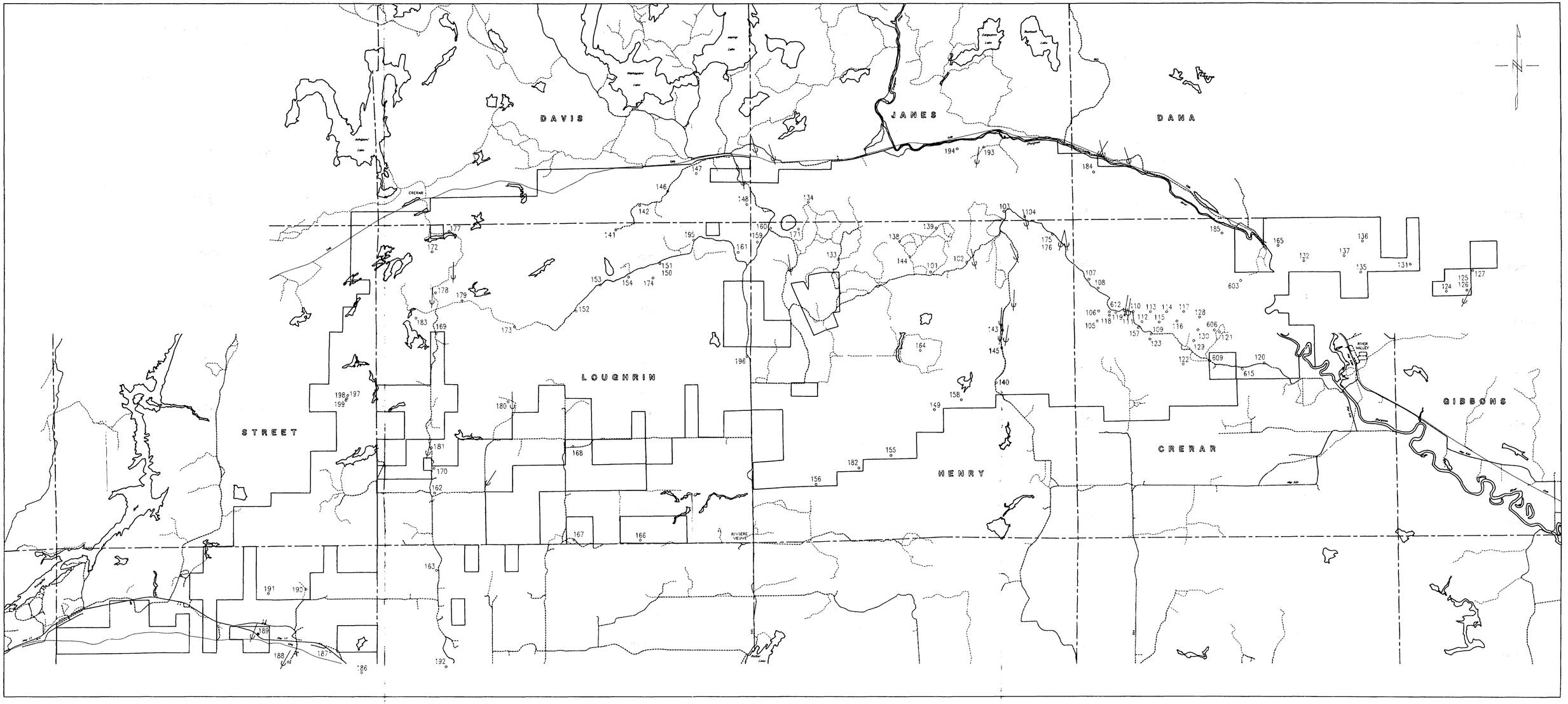
RIVER VALLEY PROJECT

Sample Location

COMPILED: RW	SCALE: 1:50000	PN: 3011
DRAFTED: AR	REVISION: PC	PLAN: 3011SAMP
DATE: Nov. 25,95	DATE: MAR 20 96	MAP No.: 2

2.16588

300



2.16588

LEGEND

- 123 — Till Sample (prefixed by CS204***) / Soil Sample (prefixed by CS104***)
- 123 — Samples prefixed by CS101***

Soils	Tills
603	601
436	604
609	Missing
612	610
615	613

Glacial Striae

0 1 2 3 4 KILOMETRES

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

GEOCHEMISTRY
Sample Location & Glacial Striae

COMPILED: TC,AC	SCALE: 1:50000	PN: 3011	
DRAFTED: LWu	REVISION:	PLAN: RVSAMPNO	
DATE: 26 JUL 96	DATE:	MAP No.: 2	

41609NE0007 2.16588 DANA

5170000

522000

569000

5149000

CNR

HWY 805

HWY 539

HWY 17

HWY 535

Riviere
Veuve

Leblanc Showing #2

Leblanc Showing #1

LEGEND

Mgn	gabbronorite
Mgb	gabbro
Mn	norite
l–Mgb	leucogabbro, anorthositic gabbro
PL–p–cx	gabbroic anorthosite
PL	anorthosite
Uhz	harzburgite
Upx	pyroxenite
Uac	amphibolite
Md	mafic dyke
GN	gneisses
gn–PL–p–cx	gnessic gabbro anorthosite
GNgr	granite gneiss
x	outcrop

0 1 2 3 4

MILES

0 1 2 3 4 5 6

KILOMETRES

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

Outcrop/Rock–codes

COMPILED: RW	SCALE: 1:50000	PN: 3011
DRAFTED: AR	REVISION: PC	PLAN: 3011ROCK
DATE: Nov. 28,95	DATE: MAR 20 96	MAP No.: 3

5175000 522000 569000 5175000

TEMAGAMI

LAND CAUTION

GRENVILLE FRONT

MURRAY FAULT SYSTEM

CRYSTAL FALLS FAULT

ARCHEAN GNEISS

0 1 2 3
KILOMETRES

5149000 522000 569000 5149000

LEGEND

1	MACKENZIE DIKE SWARM
2	SYENITIC TO GRANITIC ROCKS
3	HARZBURGITE & ORTHOPYROXENITE
4	TONALITE, FELSIC DIKES, MINOR GABBRO
5	MAGNETIC GABBROIC ANORTHOSITE
6	INCLUSION BEARING GABBRONORITE
7	GABBRONORITE–NORITE
8	ANORTHOSITE–GABBROIC ANORTHOSITE
9	LUECOGABBRO–GABBRO
10	METASEDIMENTARY GNEISS

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

Geology

After LUMBERS, S.B. (1973)

COMPILED: RW,CN	SCALE: 1:50000	PN: 3011
DRAFTED: LW,J	REVISION:	PLAN:
DATE: 20 MAR 96	DATE:	MAP No.: 4

2.16588

41-0WMI.3007 2.16588 DANA

522000 569000

5170000 5170000

5149000 5149000

DAVIS JAMES DANA

LOUGHRIN

STREET

CRERAR

HENRY

GIBBONS

RIVER VALLEY

RIVIERE VEUVE

Ni-Cu

LEGEND

- 0.0 – 49.9
- 50.0 – 59.9
- 60.0 – 69.9
- 70.0 – 99.9
- > 100.0
- Ni-Cu Showing

multi-acid digestion/hand dug soils

0 1 2 3 4 KILOMETRES

2.16588

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

GEOCHEMISTRY
Soil, Ni (ppm)

COMPILED: TG,AC	SCALE: 1:50000	PN: 3011
DRAFTED: LWu	REVISION:	PLAN: RVSOILNI
DATE: 26 JUL. 96	DATE:	MAP No.: 6

522000

5170000

DAVIS

JANES

DANA

CRERAR

LOUGHRIN

STREET

HENRY

GIBBONS

RIVIERE VERTE

RIVER VALLEY

Ni-Cu

5149000

522000

LEGEND

- 0.0 – 59.9
- 60.0 – 79.9
- 80.0 – 99.9
- 100.0 – 119.9
- > 120.0
- Ni-Cu Showing

multi-acid digestion/hand dug soils

0 1 2 3 4 KILOMETRES

2.16588

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

GEOCHEMISTRY

Soil, Cu (ppm)

COMPILED: TG,AC	SCALE: 1:50000	PN: 3[illegible]
DRAFTED: LWu	REVISION:	PLAN: R[illegible]
DATE: 26 JUL 96	DATE:	MAP No.: 7

350

522000 569000

5170000 5170000

5149000 5149000

522000 569000

DAVIS

JANES

DANA

LOUGHRIN

STREET

CRERAR

HENRY

GIBBONS

RIVIERE VEUVE

RIVER VALLEY

Ni-Cu

2.16588

LEGEND

- 0.0 – 49.9
- 50.0 – 59.9
- 60.0 – 69.9
- 70.0 – 99.9
- > 100.0
- Ni-Cu Showing

HMC (Heavy Metal Concentrate)/ multi-acid digestion / hand dug tills

0 1 2 3 4 KILOMETRES

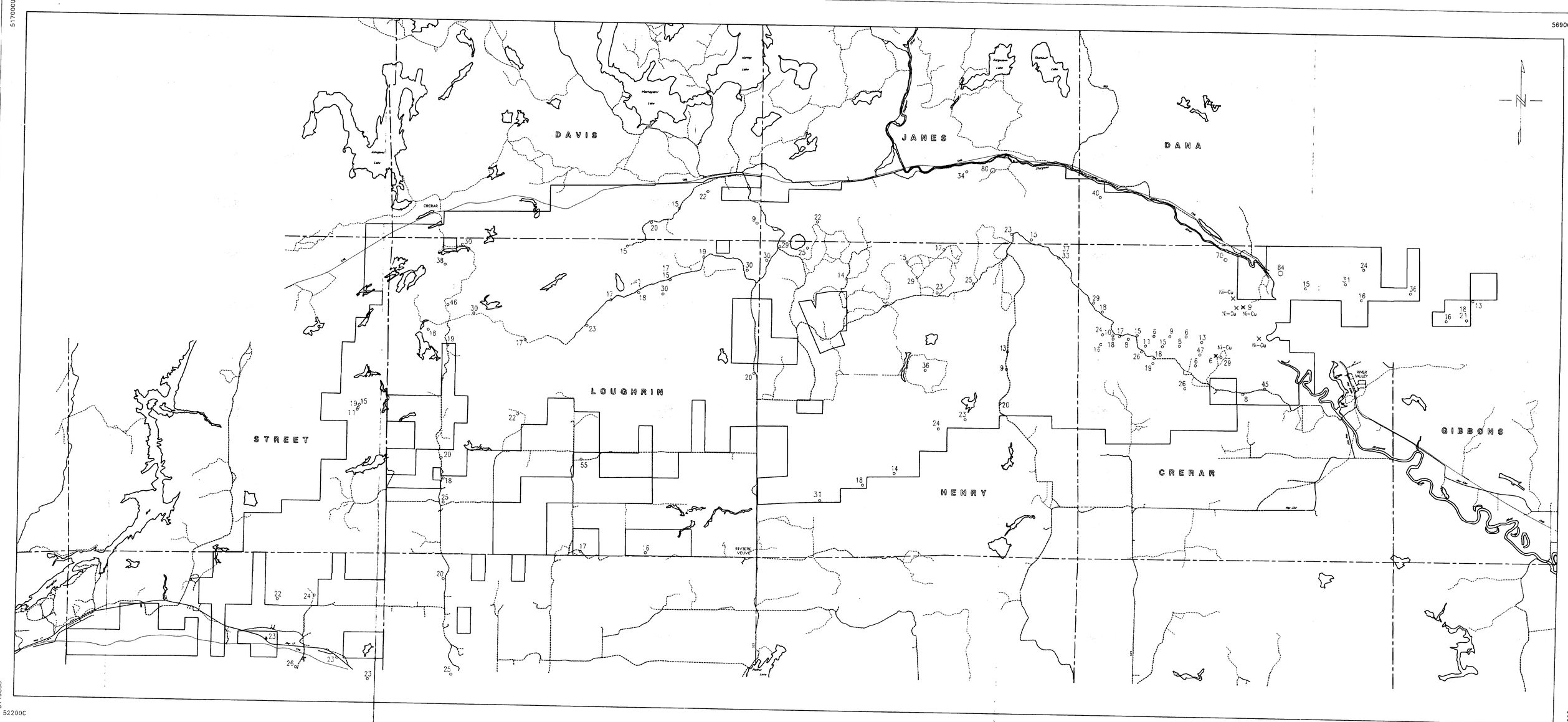
WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

GEOCHEMISTRY
Till (HMC), Ni (ppm)

COMPILED: TG,AC	SCALE: 1:50000	PN: 3011
DRAFTED: LWu	REVISION:	PLAN: HMTILLNI
DATE: 26 JUL 96	DATE:	MAP No.: 8

41I06NE00007 2.16588 DANA



LEGEND

- 0.0 – 59.9
- 60.0 – 79.9
- 80.0 – 99.9
- 100.0 – 119.9
- > 120.0
- Ni-Cu Showing

HMC (Heavy Metal Concentrate)/ multi-acid digestion / hand dug Kits

2.16588

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

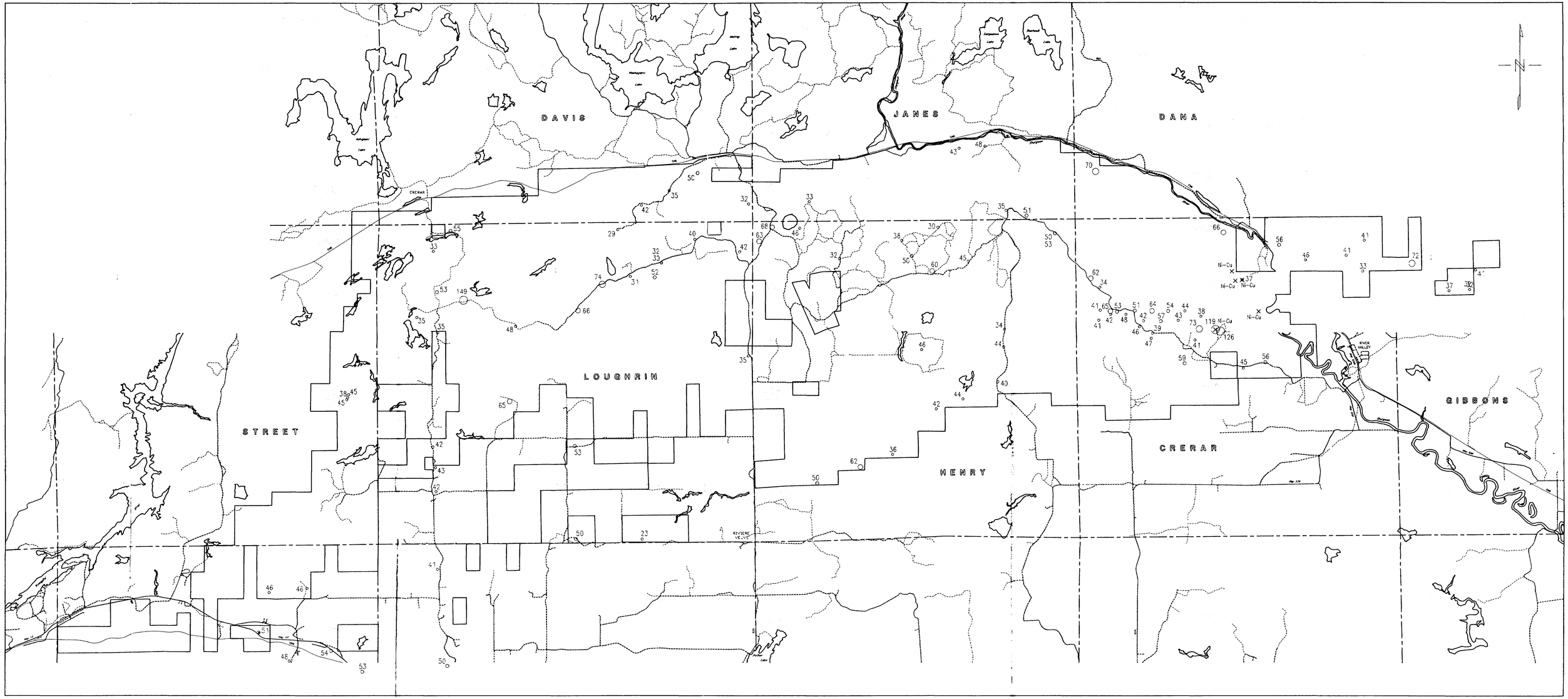
GEOCHEMISTRY

Ti/I (HMC), Cu (ppm)

COMPILED: TG,AC	SCALE: 1:50000	PN: 3011
DRAFTED: JW	REVISION:	PLAN: HMC/ILCU
DATE: 26 JUL 96	DATE:	MAP No.: 9

KILOMETRES

A:\GRAPHICS\2\2.16588.DANA



522000 569000

2.16588

LEGEND

- 0.0 – 49.9
- 50.0 – 59.9
- 60.0 – 69.9
- 70.0 – 99.9
- > 100.0
- × Ni-Cu Showing

-63 microns/multi-acid digestion/hand dug pits

KILOMETRES 0 1 2 3 4

WMC International Limited
Americas Division – Exploration

RIVER VALLEY PROJECT

GEOCHEMISTRY

Till (-63 microns), Ni (ppm)

COMPILED: TG,AC	SCALE: 1:50000	PN: 3511
DRAFTED: LWu	REVISION:	PLAN: 63TILNI
DATE: 26 JUL 96	DATE:	MAP No.: 10

522000

569000

5170000

5149000

DAVIS

JANES

DANA

LOUGHRIN

STREET

CRERAR

HENRY

GIBBONS

RIVIERE VEUVE

RIVER VALLEY

Ni-Cu

CACHAR

LEGEND

- 0.0 – 59.9
- 60.0 – 79.9
- 80.0 – 99.9
- 100.0 – 119.9
- > 120.0
- Ni-Cu Showing

–63 microns/multi-acid digestion/hand dug tills

KILOMETRES

2.16588

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Americas Division – Exploration

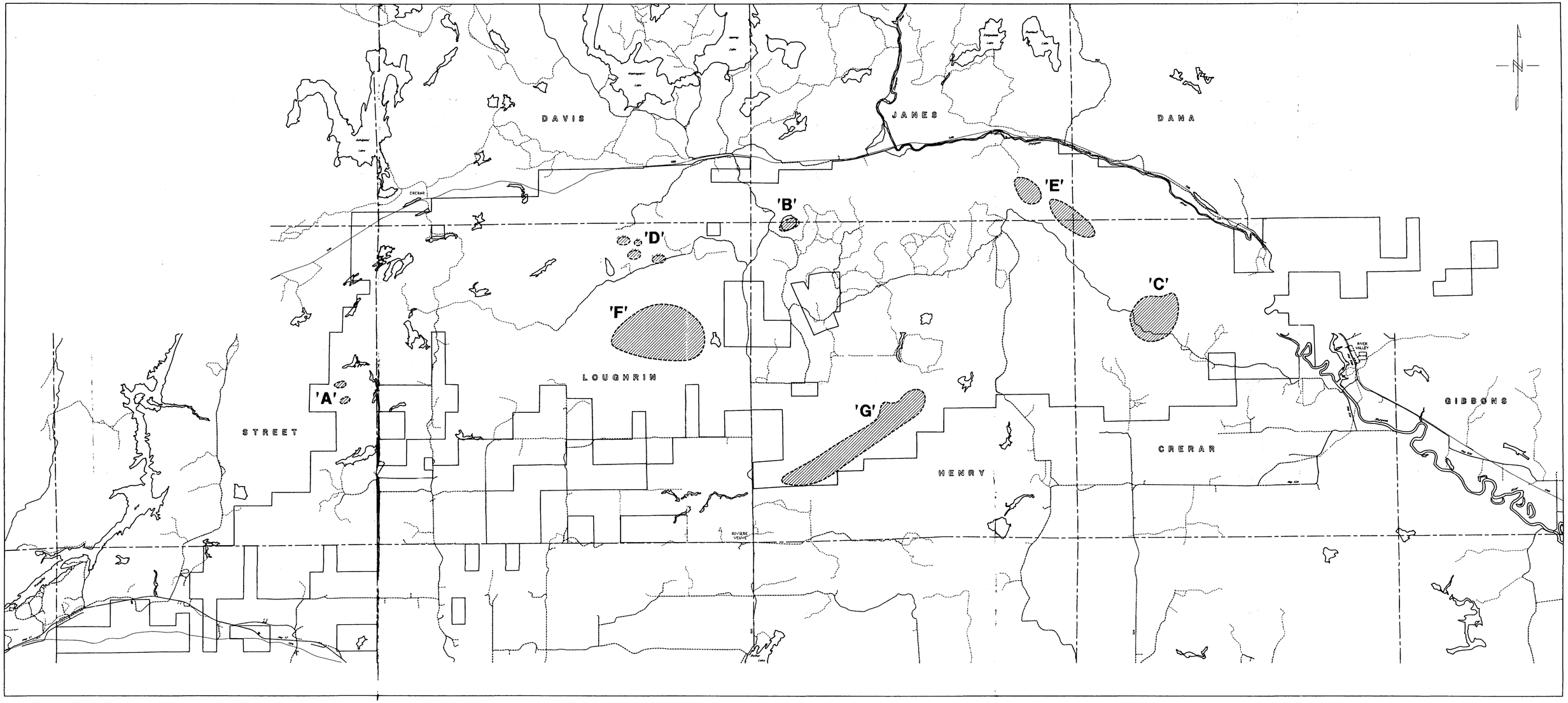
RIVER VALLEY PROJECT

GEOCHEMISTRY

Till (–63 microns), Cu (ppm)

COMPILED: TG,AC	SCALE: 1:50000	PN: 3011
DRAFTED: LWu	REVISION:	PLAN: 63TILLCU
DATE: 26 JUL 96	DATE:	MAP No.: 11

41I09NE0007 2.16588 DANA



2.16588

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RIVER VALLEY PROJECT

GEOPHYSICAL ANOMALIES

COMPILED: TGJAC	SCALE: 1:50000	PN: 3011	
DRAFTED: LMV	REVISION:	PLAN: RVGPHYS	
DATE: 29 JUL 96	DATE:	MAP No.: 12	

0 1 2 3 4
KILOMETRES

41095RE0007 2.16588 DANA