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Tittel Grong - PGE Reconnaissance Target Evaluation and Prioritization Part of the Norway Gold - 2000 series (Sibirien Blåmuren-Reinsjøen Snåsa Tunnsjøflyin)				
Forfatter Bliss, I		Dato År 2000	Bedrift (Oppdragsgiver og/eller oppdragstaker) Crew Norway AS ICB Exploration Services	
Kommune Grong Royrvik	Fylke Nord-Trøndelag	Bergdistrikt	1: 50 000 kartblad 18242 18231	1: 250 000 kartblad Grong
Fagområde Geologi Geokjemi	Dokument type		Forekomster (forekomst, gruvefelt, undersøkelsesfelt) Sibirien Blåmuren-Reinsjøen Snåsa Tunnsjøflyin	
Råstoffgruppe Malm/metall	Råstofftype Au As Cu Ni Co Cr Pt Pd			

Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse

Low cloud and heavy rain for nearly the full 7 days spendt in the Grong area severely diminished the intended sample coverage. However the data collected in the Reinsjøen - Blåmuren - Sibirien area suggests that significant gold mineralization is unlikely here. Only one sediment sample (400321) is anomalous in gold enough to warrant a brief follow-up visit. It may be related to the same structure that hosts the gold at Siberien. The gold bearing vein from the quarry at Siberian is no longer exposed, only boulders remain. While other veins were seen they were completely devoid of gold. Before anny decision are made on further work in this area the drill logs and reports from drill programs completed at Siberien and at a Co - Mo showing weat of Blåmuren should be translated / interpreted.

**GRONG GOLD RECONNAISSANCE,
TARGET EVALUATION AND PRIORITIZATION**

(part of the Norway Gold - 2000 series)

Vedlegg.....av.....
Jnr. 0496/03

GRONG GOLD RECONNAISSANCE, TARGET EVALUATION AND PRIORITIZATION

(part of the Norway Gold - 2000 series)



by

**I.Bliss
(ICB Exploration Services)
44 Farnham Cres,
Ottawa, Ontario,
Canada**

for

**Crew Development Corp.
O.H. Bangsvei 54-58
NO-1363, Hovik,
Norway**

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Table of Contents

Introduction	1
Regional Geology	1
Siberien Showing	2
Results	2
Conclusion and Recommendation	2
Blamuren-Reinsjoen	3
Results	3
Discussion	3
Conclusion and Recommendation	3
Snasa	4
Results	4
Tunnsjoflyin	4
Results	4
Summary	7

List of Figures

- Fig. 1. General Geology and Anomalous Rock Samples from the Grong Region.
Fig. 2. Anomalous Stream Sediment Samples from the Grong Region

List of Appendices

- | | |
|------------|---|
| Appendix A | Rock and sediment sample location maps |
| Appendix B | Rock sample descriptions with analytical results |
| Appendix C | Stream sediment sample descriptions with analytical results |
| Appendix D | Certificates of Analysis |

Supplement: QA/QC report by Denis Schlatter, Crew Development Corp.

INTRODUCTION

The Grong area was one of four areas in Norway selected by Crew Development Corporation in 2000 to conduct reconnaissance-style exploration with the aim of evaluating the gold (and PGE) potential of the project area and prioritizing targets for follow up work. The Grong area was selected because of known Cu-Mo anomalies that had not been tested for gold and were proximal to the high grade gold showing at Siberien.

Grong is located in central Norway, approximately 160 km north-east of Trondheim. The terrain is of moderate relief with several deep and steep-sided river valleys that are generally heavily vegetated with evergreen trees and underbrush. The Blamruen-Reinsjoen area to the east of Grong is characterized as a mountain plateau and is generally free of vegetation. The area is noted for persistent rain.

The Grong portion of the program was constantly hampered by bad weather which prevented air mobilization to camps north of the Sanddola River. The last few days we were on standby in-case the weather broke which meant less time was spent on the PGE targets at Stormyplutten and Lillfjellklumpen.

REGIONAL GEOLOGY

The Skoravass-Grong area lies within the Gjersvik Nappe of the Upper Allochthon of the central Norwegian Caledonides. The Gjersvik Nappe is composed of volcanic and subvolcanic rocks of the Skorovass Complex and the overlying, predominantly sedimentary, Liming Group, in addition to a variety of plutonic rocks. According to Reinsbakken (1992), the volcanic rocks of the Skorovass Complex can be subdivided into three major stratigraphic units: 1) a lower unit comprising massive and pillowed lavas of tholeiitic basalt to basaltic andesite; 2) a very heterogeneous middle unit, composed of differentiated tholeiitic basalts, basaltic andesites and andesites forming massive to pillowed flows in addition to abundant rhyodacite flows and pyroclastics; and 3) an upper unit comprising primitive pillowed and massive tholeiitic basalts alternating with quartz-phyric rhyodacites. The lower unit is assumed to have formed during the early stages of an ensimatic island arc, whereas the other unit developed later in response to rifting of the arc complex prior to emplacement on the Fennoscandian basement.

The presence of VMS deposits has made the region attractive from an economic point of view, and regional and detailed geological investigations have been carried out throughout the century.

TUNNSJOFLYIN

LILLEFJELLEKLUMPEN

764

SKOROVATNAN



Nesavatnan

**Grong Project Area
Au-2000
I. Bliss**

**General Geology
and
Anomalous Rock Samples**

**Rock Samples
Au (ppb)**

	2,500 to 30,000	(1)
	100 to 500	(2)
	25 to 100	(6)
	all others	(47)

BLAMUREN

REINSJOEN

	Moklevatn Granodiorite
	Tromsfjell Intrusive Complex
	Undifferentiated Tonalite and Granodior
	Metagabbro
	Limingen Group Metasediments
	Gjeravik Group Metavolcanics

Sanddola

74

SIBERIEN



64°30'
13°

TUNNSJOFLYIN

LILLEFJELLEKLUMPEN

764

SKOROVATNAN



Nesavatnan

Grong Project Area
Au-2000
I. Bliss

Anomalous
Sediment Samples

Stream Sediments
Au (ppb)

- 100 to 1,000 (1)
- 10 to 25 (4)
- 2 to 10 (9)
- all others (37)

BLAMUREN

REINSJOEN

Sanddola

74

SIBERIEN

13° 64°30'



SIBIRIEN SHOWING

A brief visit was made to the Siberien Prospect where high grade gold mineralization was found during the excavation of a quarry in the late eighties which supplied gravel for road construction. In 1998 a local prospector resampled the quartz vein which assayed up to 280 g/t Au. The quarry is located on the south side of the road along the Sandolla River Valley.

The gold occurs in a pyrite-chalcopyrite bearing quartz-(albite) vein which is no longer exposed in situ though there is an abundance of boulders on the upper slope of the quarry. The veins are hosted in Precambrian gneisses. Pyrite and minor chalcopyrite occurs as massive clots within the quartz and as disseminations along the contact with the gneiss and within the gneiss itself. A quartz vein, trending 070/80 S is exposed nearby and at other locations within the quarry but is barren of sulphides, though locally the veins includes chlorite rich layers. There is a general increase in hematite and K-feldspar alteration with proximity to the quartz vein. At the eastern end of the quarry, parts of the wall show strong potassium alteration. Nearby several small boulders of pyrite-bearing quartz are seen. It is uncertain whether these are related to the local increase in K-alteration. The sulphide mineralization is of very limited extent and is likely the result of remobilization. The host rocks generally look "dry" with the exception of the frequent patches of hematite-K-feldspar alteration.

Results

The sulphidic quartz vein, as expected returned high grade gold mineralization at 27 g/t Au with elevated Cu and Ag. However, the other samples taken along strike were totally devoid of gold and any pathfinder elements. Stream sediment sampling near Siberien was also unimpressive. The most anomalous samples assayed 10 and 15 ppb Au and were taken approximately 400 meters from the gold bearing vein. The area is highly anomalous in K and weakly anomalous in Pb.

Conclusion and Recommendation

The gold occurrence at Siberien is extremely limited in extent. Rock and stream sample results do not suggest continuation of the mineralization. It is difficult to ascertain what caused the mineralization and whether it is related to the intense K-alteration seen nearby. The drill report (written in Norwegian) may shed some light on this matter.

No further fieldwork is recommended unless re-interpretation of drill logs and geophysical data proves a model worth pursuing.

BLAMUREN - REINSJOEN

Unfortunately, bad weather meant that only one day could be spent in this area as opposed to the originally planned four days. However, 25 sediment samples and 18 rock samples were collected. The main target was the Cu-Mo-(Au) mineralization in West Blamuren. Here, disseminated chalcopyrite-pyrite-sphalerite-(galena) is seen in epidote-silica altered granite and at the granite - volcanic contact. In the same area as this disseminated mineralization, a quartz-pyrite vein is exposed in a creek bed and bank. It disappears under a small bay to the west but reappears on the other side. The vein contains up to 25% very coarse grained pyrite with minor chalcopyrite associated with wallrock inclusions. The pyrite is crudely banded and concentrated along the sides of the vein (similar to Siberien). The vein (veins ?) are hosted within the granite and trend 205° and dip shallowly to the north.

Results

Sample results from the Reinsjoen-Blamuren area which had potential to host Cu-Mo-Au mineralization were generally negative. The most significant gold assay of 137 ppb came from a fine grained massive pyrite outcrop and is associated with anomalous As (695 ppm) and Zn (443 ppm). It is located 5 km south of the Skorvatnan mines and is surrounded by numerous intense gossans. Four sediment samples within 500 meters were all devoid of gold. The most significant Cu and Mo analysis from this area were 473 and 877 ppm respectively. The highest Mo-content came from pyrite-bearing quartz veins and not from the granite itself. The epidote altered mafic volcanics at the granite contact were sporadically anomalous in Pb (375 ppm) and Zn (2720 ppm). Sediment sampling results were also negative and suggest that any Cu-Mo mineralization is very limited. The highest sediment assays for Cu and Mo were 72 and 25 ppm respectively.

The only encouraging result from this area was stream sediment sample 400321 which assayed 106 ppb Au. There is no indication of anomalous pathfinder elements, though Pb is moderately elevated in samples taken along strike. The sample was taken at the mouth of a short (250 m) alpine stream.

Discussion

The gold anomalous sample taken from West Blamuren drains the contact between Arkosic sandstones and conglomerates and, a mafic volcanic unit. The location also marks a sudden change in lineation trends from 070° to 045° . This 045° fault/lineament can be traced back to the Siberien Showing. The anomaly is made somewhat more interesting by the intensely sheared and altered zones which were observed less than 1 km to the east. One of these zones forms the contact between mafic volcanics and a gabbro sill. Thin layers of rhyolite are also seen. Ankerite-sericite alteration is prevalent with local brecciation and silicification; only trace sulphides were seen.

Conclusion and Recommendation

No significant gold or base-metal anomalies were detected with the exception of sample 400321. This is an isolated anomaly but is still worth a follow-up visit. The location is only accessible by helicopter or float plane which may reduce its priority. One day spent prospecting in the area, concentrating on the shear zones should be sufficient to assess the source of the gold

SNASA

Local prospectors, Ingvar Stocke and Nikolai showed the author a sulphide bearing quartz vein which is located approximately 20 km east of Snasa not far from a rumoured gold occurrence at Andorsjoen. The quartz vein is exposed in two locations along a new road that is presently being constructed. At the first location abundant quartz vein material is seen in freshly blasted rock. The veins are up to 30 cm wide and contain several percent pyrrhotite with lesser pyrite and chalcopyrite. The veins cross-cut a black, slightly graphitic schist and the wall rock has been strongly chlorite altered. Fragments of wallrock and chlorite-rich laminations are seen within the vein.

Results

The two samples taken were devoid of gold.

TUNNSJOFLYIN

A strongly conductive EM anomaly was noted on the geophysical map of the area at the western end of Tunnsjoflyin. This was prospected and sampled due to its proximity to the Ni-Cu-PGE target at Lillefjellklumpen. Volcanic hosted massive sulphides and shear hosted quartz veins were observed. (pers comm. Oyvik).

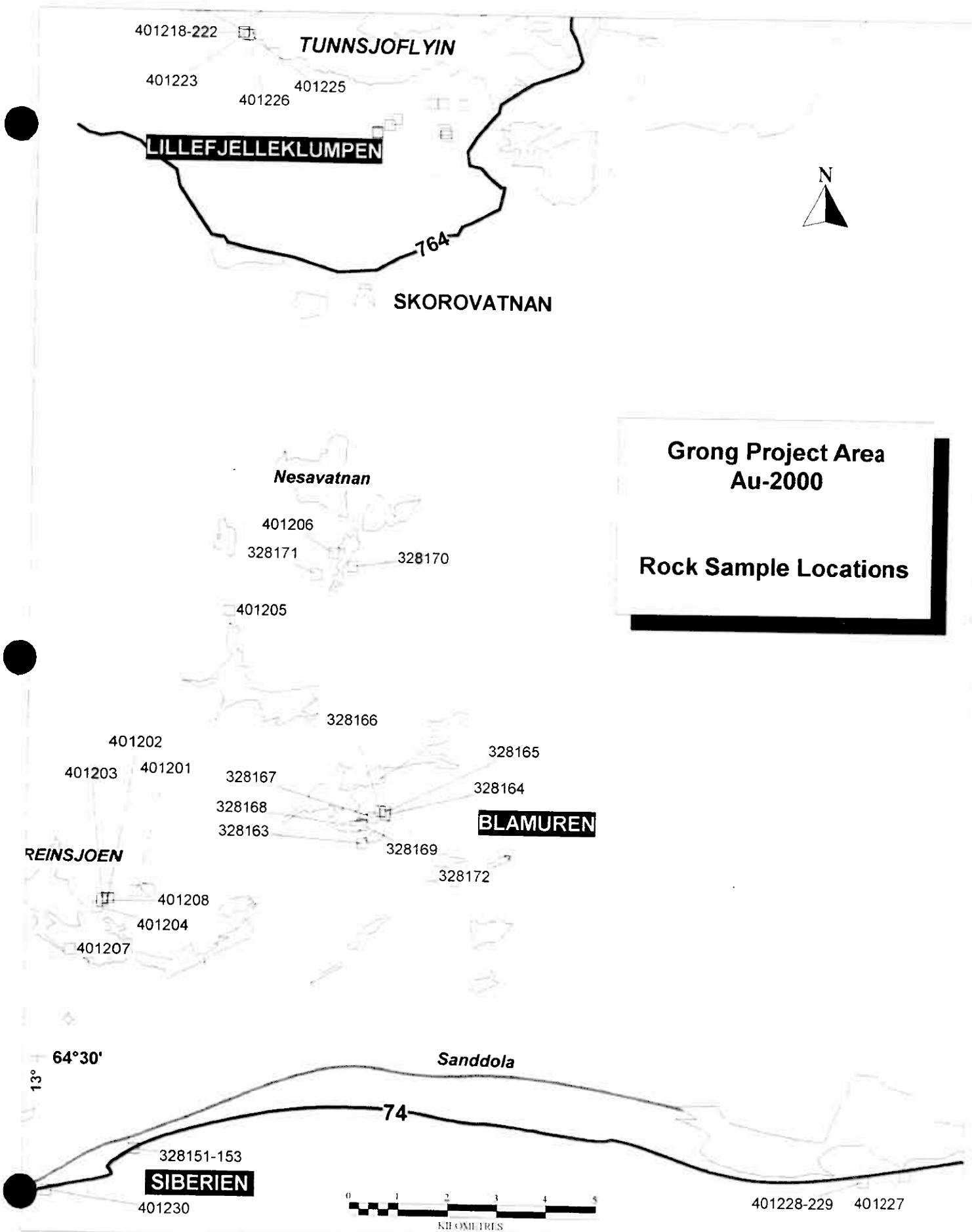
Results

Both rock and sediment sampling failed to detect any gold and appreciable PGEs though samples were anomalous in Cr (up to 1550 ppm) and Cu up to 1300 ppm).

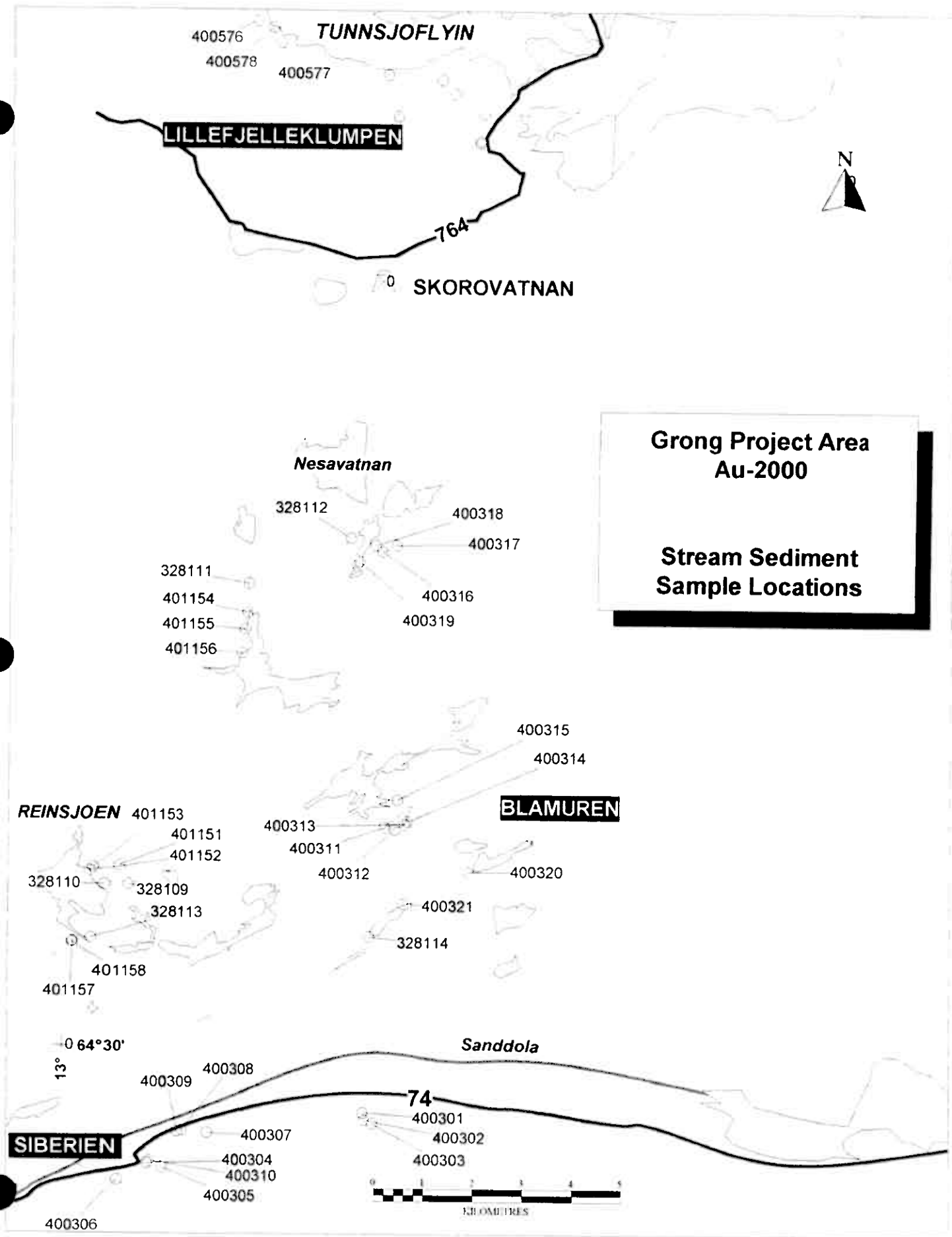
SUMMARY

Low cloud and heavy rain for nearly the full 7 days spent in the Grong area severely diminished the intended sample coverage. However, the data collected in the Reinsjoen-Blamuren-Siberien area suggests that significant gold mineralization is unlikely here. Only, one sediment sample (400321) is anomalous in gold enough to warrant a brief follow-up visit. It may be related to the same structure that hosts the gold at Siberien. The gold bearing vein from the quarry at Siberien is no longer exposed, only boulders remain. While other veins were seen they were completely devoid of gold. Before any decision is made on further work in this area the drill logs and reports from drill programs completed at Siberien and at a Cu-Mo showing west of Blamuren should be translated/interpreted.

Appendix A
Rock and Sediment Sample Location Map



Samples 328154-155: 41 km SW of Siberien



Appendix B
Rock Sample Results

Sample No.	Northing	Easting	Location	Int	Description	AU	AS	Ag
						PPB	PPM	ppm
						INNA	INNA	ICP
328151	7152418	405855	Siberien	grab/float	Qtz vein with 25% Py and some albite.	27400	167	118.7
328152	7152418	405855	Siberien	grab/float	Qtz vein with Chl layers.	2	1.2	-0.3
328153	7152421	405855	Siberien	grab	K-fsp-Hem-Carb(?) alt'd gneiss, weathered with some fault gouge(?)	-2	2.6	-0.3
328154	7118074	378480	Elgslia	grab	Qtz vein with Po, hosted in slightly graphitic schists.	5	7.8	0.3
328155	7118074	378480	Elgslia	grab	Qtz vein with Po, hosted in slightly graphitic schists.	-2	2.7	-0.3
328160	7193398	425760	Royrvik	grab	float from creek above closed mine.	-2	12.3	1.0
328163	7158637	410419	Blamuren	grab	Shear zone in mafic volc, carb alt'd & sil'd with 5% diss Py.	9	5	-0.3
328164	7159210	410889	Blamuren	grab	Strongly sil'd & epidote alt'd mafics at granite contact, 10-15% Py >> Mo, Tr Cpy.	-2	5.4	1.4
328165	7159263	410893	Blamuren	grab	Fractured and chilled granite with Tr - 1% diss Py, some Mo, strong;y sil'd.	-2	3.7	-0.3
328166	7159281	410791	Blamuren	float	Very local source, Qtz vein with Py & Cpy and strongly alt'd mafic wall rock.	-2	1.9	-0.3
328167	7159151	410635	Blamuren	grab	Strongly sil'd granite with 5% Py and Qtz vein with 20% coarse Py.	9	1	-0.3
328168	7158974	410287	Blamuren	grab	Sil'n and Epidote alt'd mafic volcs at granite contact, diss Py.	4	4.5	0.8
328169	7159001	410417	Blamuren	float	Insitu, 30 cm qtz vein with 25-40% banded Py.	20	3.7	-0.3
328170	7164193	410123	Blamuren	grab	Massive fine grained, Py with tr Mag.	137	695	1.1
328171	7164019	409398	Blamuren	grab	Qtz vein w Py and 'vuggy' chert or sil'd volc with diss and pockets of semi-massive Py.	9	9.1	-0.3
328172	7157988	411861	Blamuren	grab	Strongly and repeatedly sheared and Ser-Ank-Sil alt'd rhyolite and mafic volcs.	25	77.8	-0.3
401201	7157599	405833	Reinsjoen	grab	Epi,k-feld alt'd sheared rock with qtz vein, some Py,Mo in epi-qtz contact.	-2	6.3	-0.3
401202	7157447	405320	Reinsjoen	grab	Cpy,Mo in Epi-K-feldspar alt'n.	-2	4.6	-0.3
401203	7157428	405206	Reinsjoen	0.3	Diss Py and Py along fractures in sil'd and ank alt'd rock.	-2	2.4	-0.3
401204	7157270	405112	Reinsjoen	float	Py in granite.	-2	1.7	-0.3
401205	7163255	407629	Reinsjoen	comp	Massive to semi-massive Py in qtz (chert)? silicified rock?	15	140	-0.3

Sample No.	Cu	Pb	Zn	Mo	Ni	CO	CR	SB	W	Au	Pt	Pd	AG	BA	BR	CA	CS	FE	HF	HG
	ppm	ppm	ppm	ppm	ppm	PPM	PPM	PPM	PPM	g/t	ppb	ppb	PPM	PPM	PPM	%	PPM	%	PPM	PPM
	ICP	ICP	ICP	ICP	ICP	INNA	INNA	INNA	INNA	FA			INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA
328151	8595	84	45	4	46	690	129	0.5	-1	4245			152	230	-0.5	-1	-1	16.4	2	-1
328152	13	4	5	-1	3	-1	160	0.3	-1				-5	-50	0.7	-1	-1	0.56	-1	-1
328153	12	28	6	-1	-1	1	63	0.5	5				-5	900	-0.5	-1	-1	1.49	9	-1
328154	54	36	33	3	40	10	160	0.2	-1				-5	130	-0.5	-1	1	2.18	2	-1
328155	39	7	20	1	67	17	190	0.2	-1				-5	52	-0.5	2	-1	2.13	-1	-1
328160	45	37	84	3	11	14	72	1.2	-1				-5	490	-0.5	-1	-1	7.28	3	-1
328163	233	36	82	3	71	29	220	0.5	6				-5	200	-0.5	5	2	5.54	1	-1
328164	473	385	2720	49	61	21	190	1	12				-5	600	-0.5	17	2	4.34	-1	7
328165	19	9	11	86	3	3	85	-0.1	28				-5	400	-0.5	2	-1	2.73	5	-1
328166	146	3	7	5	14	7	140	-0.1	-1				-5	-50	-0.5	-1	-1	1.5	-1	-1
328167	14	15	28	433	3	15	141	0.2	17				-5	160	-0.5	-1	-1	3.74	-1	-1
328168	468	13	7	62	1	4	87	0.8	124				-5	230	-0.5	3	1	4.7	-1	-1
328169	18	-3	-1	877	3	22	154	0.3	127				-5	82	-0.5	-1	-1	7	-1	-1
328170	77	98	443	22	64	8	79	9.2	-1				-5	130	-0.5	-1	-1	29.2	-1	-1
328171	9	6	7	5	3	-1	166	0.3	-1				-5	64	-0.5	-1	-1	2.71	-1	-1
328172	41	20	68	3	88	16	162	1.5	-1				-5	310	-0.5	10	2	4.76	3	-1
401201	15	40	16	6	5	34	105	1.5	10				-5	830	-0.5	3	2	3.15	3	-1
401202	58	28	18	10	9	12	77	0.6	266				-5	800	-0.5	3	1	2.86	-1	-1
401203	6	11	21	1	34	8	158	0.3	-1				-5	940	-0.5	2	-1	3.14	3	-1
401204	45	12	20	2	7	6	53	0.3	-1				-5	920	-0.5	2	3	2.42	3	-1
401205	127	37	251	9	76	16	105	2.1	-1				-5	-50	-0.5	-1	-1	17.9	1	-1

Sample No.	IR	MO	NA	NI	RB	SC	SE	SN	SR	TA	TH	U	ZN	LA	CE	ND	SM	EU
	PPB	PPM	%	PPM	PPM	PPM	PPM	%	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA
328151	-5	5	0.3	-49	74	1.6	-3	-0.02	-0.05	-0.5	4.6	-0.5	73	7	14	-5	0.9	-0.2
328152	-5	-1	0.02	-20	-15	0.3	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-50	0.7	-3	-5	0.1	-0.2
328153	-5	6	1.56	-20	180	1.1	-3	-0.01	-0.05	1.5	12.6	5.8	-50	35.7	68	30	5.5	0.8
328154	-5	3	0.19	50	27	5.3	-3	-0.01	-0.05	-0.5	2.2	1.1	-50	7.4	15	7	1.5	0.4
328155	-5	-1	0.68	60	-15	2.8	-3	-0.01	-0.05	-0.5	1.5	-0.5	-50	5.9	11	6	1.2	0.4
328160	-5	-1	1.56	-22	-15	25.7	-3	-0.01	-0.05	-0.5	0.9	-0.5	87	4.5	11	9	2.3	1.1
328163	-5	-1	1.75	75	25	35.8	-3	-0.01	-0.05	0.8	0.7	-0.5	-50	4.4	10	-5	1.9	0.9
328164	-5	46	0.3	60	80	18.7	5	-0.01	-0.05	-0.5	0.5	1.5	2850	7.8	12	7	1.8	0.9
328165	-5	80	4.34	-24	44	4.8	-3	-0.02	-0.05	-0.5	16	3.7	-50	18.2	28	10	2.3	0.6
328166	-5	3	-0.01	-20	-15	0.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-50	-0.5	-3	-5	-0.1	-0.2
328167	-5	432	0.6	-20	21	0.8	-3	-0.01	-0.05	-0.5	0.9	0.8	-50	5.8	12	-5	1	0.2
328168	-5	66	1.89	-20	43	25.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-50	3.5	5	-5	1.2	0.5
328169	-5	880	0.02	-20	-15	0.2	-3	-0.01	-0.05	-0.5	0.2	-0.5	-50	0.6	3	-5	0.2	-0.2
328170	-5	21	-0.01	60	-15	3	-3	-0.01	-0.05	-0.5	1.1	3	477	3.7	7	-5	0.8	0.3
328171	-5	4	0.01	-20	-15	2.1	-3	-0.01	-0.05	-0.5	-0.2	0.6	-50	-0.5	-3	-5	-0.1	-0.2
328172	-5	-1	1.62	95	31	17.7	-3	-0.01	-0.05	-0.5	3.4	1.4	-50	13.1	24	9	3.3	0.7
401201	-5	4	2.35	-20	69	4	-3	-0.01	0.12	-0.5	12	6.3	-50	45.6	61	21	3.8	1.1
401202	-5	11	3	-20	28	4.8	-3	-0.01	0.13	-0.5	12.5	3	-50	32.4	54	20	3.4	1.1
401203	-5	4	4.7	-24	45	7.2	-3	-0.01	-0.05	-0.5	16.2	3.8	-50	25.4	46	15	3.7	1.2
401204	-5	6	4.85	-23	-15	5.4	-3	-0.01	-0.05	-0.5	13.8	1.9	-50	37.8	65	22	4.1	1.2
401205	-5	8	0.02	103	-15	10.4	-3	-0.01	-0.05	-0.5	3.1	3.8	228	12.2	23	10	2.5	0.6

Sample No.	TB	YB	LU	Mass	Cd	Mn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	PPM	PPM	PPM	g	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
	INNA	INNA	INNA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
328151	-0.5	0.7	0.13	32.61	5.3	69	1.78	1	-2	0.03	1.44	0.08	0.011	21	0.06	7	6	16.057
328152	-0.5	0.3	0.06	33.06	-0.3	115	0.28	-1	-2	0.29	0.07	0.03	0.001	22	-0.01	6	1	0.016
328153	0.7	3.5	0.56	32.22	-0.3	179	5.65	3	-2	0.41	6.10	0.33	0.036	93	0.20	13	13	0.019
328154	-0.5	1.1	0.2	27.14	-0.3	264	2.02	-1	-2	0.91	0.69	0.69	0.014	54	0.08	49	8	0.333
328155	-0.5	0.7	0.13	28.4	0.5	581	1.32	-1	-2	1.27	0.20	0.53	0.008	86	0.06	16	4	0.474
328160	-0.5	4	0.63	26.08	-0.3	4195	5.93	-1	-2	0.90	0.67	2.54	0.031	108	0.44	192	31	1.437
328163	-0.5	2.1	0.36	28.81	-0.3	1276	6.73	-1	2	4.90	0.82	2.89	0.030	280	0.43	317	18	1.124
328164	-0.5	1.3	0.26	27.53	29.6	2413	4.30	3	5	17.29	1.90	1.22	0.016	279	0.18	177	14	2.394
328165	-0.5	1.1	0.22	26.11	-0.3	91	4.64	3	-2	1.23	1.00	0.62	0.059	400	0.26	68	6	0.199
328166	-0.5	-0.2	-0.05	33.96	-0.3	93	0.21	-1	3	0.47	-0.01	0.22	0.005	17	-0.01	6	-1	0.611
328167	-0.5	0.2	-0.05	31.96	0.5	51	1.39	-1	-2	0.41	0.30	0.05	0.010	186	0.05	11	3	3.199
328168	-0.5	1	0.15	33.28	-0.3	277	5.18	2	3	3.09	1.00	0.44	0.032	475	0.44	234	11	1.610
328169	-0.5	-0.2	-0.05	34.26	-0.3	27	0.24	-1	-2	0.01	0.10	-0.01	-0.001	31	-0.01	3	-1	6.052
328170	-0.5	0.6	0.09	35.37	2.4	427	1.04	-1	-2	0.05	0.19	0.32	0.016	6	0.07	69	6	22.227
328171	-0.5	-0.2	-0.05	29.24	-0.3	41	0.37	-1	-2	0.02	0.21	0.04	0.004	2	0.04	30	-1	0.281
328172	-0.5	2.5	0.4	24.95	-0.3	527	5.72	1	-2	10.36	1.21	2.08	0.036	261	0.32	89	14	0.498
401201	-0.5	0.7	0.13	28.07	-0.3	410	6.74	2	-2	2.96	2.09	0.39	0.047	1557	0.20	52	9	0.377
401202	-0.5	0.8	0.12	29.93	-0.3	472	7.35	2	-2	3.50	1.57	0.60	0.060	1593	0.24	67	10	0.536
401203	-0.5	0.7	0.11	24.46	-0.3	337	7.19	2	3	2.24	1.23	1.44	0.078	641	0.27	61	10	0.436
401204	-0.5	0.8	0.12	25.3	-0.3	305	6.07	2	8	1.87	1.51	0.86	0.060	771	0.25	48	9	0.652
401205	-0.5	1.8	0.25	29.75	2.2	1733	3.20	-1	-2	0.47	0.02	2.71	0.058	15	0.18	131	17	10.886

Sample No.	Northing	Easting	Location	Int	Description	AU	AS	Ag
						PPB	PPM	ppm
						INNA	INNA	ICP
401206	7164453	409748	Reinsjoen	comp	Sil'd, chl'd volc, Euh Py.	-2	4.1	-0.3
401207	7156412	404561	Reinsjoen	grab	Euhedral Py in chl schist.	8	27.8	-0.3
401208	7157391	405198	Reinsjoen	grab	Py, possible Mo, Cpy in Epi-K-feld alt'd granite.	5	9.2	-0.3
401218	7174886	407731	Tunnsjoflyin	comp	Very fine grained qtz, Py in qtz and wallrock, Ser-qtzPy schist	-2	12.1	-0.3
401219	7174886	407731	Tunnsjoflyin	grab	gossan	-2	19.4	-0.3
401220	7174886	407731	Tunnsjoflyin	float	Massive to semi-massive Po-Py, some quartz	19	7.6	1.3
401221	7174891	407745	Tunnsjoflyin	float	Qtz vein + Py in dolerite	-2	8.5	-0.3
401222	7174891	407745	Tunnsjoflyin	float	Folded fine grained Qtz+Py+Po+Cpy	12	12.8	0.8
401223	7174850	407744	Tunnsjoflyin	float	Semi-massive Po-Py+qtz and fine-grained Qtz-Py	12	6	0.5
401224	7174918	407750	Tunnsjoflyin	float	Py+Po+Qtz (rounded), Primary texture?	8	9.5	1.2
401225	7174827	407861	Tunnsjoflyin	grab	Ser-qtz-py schist, 5% Py	4	3.5	-0.3
401226	7174843	407829	Tunnsjoflyin	1	Shear zone, rusty ser/chl	-2	2.2	-0.3
401227	7152100	421603	Skjelbredvatn	comp	Qtz vein +py+chl+sl in sandstone	-2	3.5	-0.3
401228	7151965	420738	Skjelbredvatn	0.3	2 faults zones, graphite + Py+Qtz.	-2	55.3	-0.3
401229	7151965	420738	Skjelbredvatn	0.4	3 faults zones, graphite + Py+Qtz.	13	18.9	-0.3
401230	7151560	404158	Siberien	1	Quartzite+ qtz vein + py in joints	-2	13	-0.3

Sample No.	Cu	Pb	Zn	Mo	Ni	CO	CR	SB	W	Au	Pt	Pd	AG	BA	BR	CA	CS	FE	HF	HG
	ppm	ppm	ppm	ppm	ppm	PPM	PPM	PPM	PPM	g/t	ppb	ppb	PPM	PPM	PPM	%	PPM	%	PPM	PPM
	ICP	ICP	ICP	ICP	ICP	INNA	INNA	INNA	INNA	FA			INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA
401206	13	11	23	-1	2	21	61	0.4	-1				-5	310	-0.5	1	2	7.22	-1	-1
401207	48	27	96	11	-1	8	52	0.3	-1				-5	450	-0.5	1	2	7.47	2	-1
401208	18	23	23	5	5	8	70	0.2	-1				-5	1700	-0.5	1	2	2.26	3	-1
401218	109	10	151	1	51	10	482	0.2	-1	3	-5	7	-5	-50	-0.5	2	-1	5.41	1	-1
401219	314	-3	1	4	1	1	46	-0.1	-1	3	9	7	-5	-50	5.5	-1	-1	50.1	-1	-1
401220	646	-3	64	29	194	102	77	-0.1	-1	18	9	27	-5	-50	-0.5	-1	-1	38.7	-1	-1
401221	23	-3	48	2	104	59	421	0.6	2	5	8	7	-5	-50	-0.5	9	-1	10.9	-1	-1
401222	1306	4	232	12	152	37	112	-0.1	2	22	-5	4	-5	-50	-0.5	-1	-1	24.4	-1	-1
401223	321	37	107	8	121	13	123	0.1	3	13	-5	5	-5	120	-0.5	-1	-1	19.6	-1	-1
401224	920	8	112	15	187	101	94	-0.1	-1	19	6	17	-5	-50	-0.5	-1	-1	34.1	-1	-1
401225	159	16	183	3	34	7	379	-0.1	-1	4	-5	5	-5	-50	-0.5	2	-1	7.09	1	-1
401226	41	8	54	-1	162	33	1550	-0.1	-1	-2	-5	10	-5	-50	-0.5	5	-1	17.3	-1	-1
401227	330	3	15	-1	41	22	170	0.3	-1				-5	-50	3.5	-1	-1	2.15	-1	-1
401228	85	30	77	12	69	8	142	0.7	-1				-5	200	-0.5	2	3	6.15	2	-1
401229	72	22	157	21	65	14	211	0.6	-1				-5	400	-0.5	-1	4	5.58	3	-1
401230	36	6	10	2	6	3	125	1.1	-1				-5	100	-0.5	-1	-1	1.01	2	-1

Sample No.	IR	MO	NA	NI	RB	SC	SE	SN	SR	TA	TH	U	ZN	LA	CE	ND	SM	EU
	PPB	PPM	%	PPM	PPM	PPM	PPM	%	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA
401206	-5	-1	2.64	-26	32	29.7	-3	-0.01	-0.05	-0.5	0.6	-0.5	-50	2.5	5	-5	1	0.4
401207	-5	12	0.54	-21	55	22.2	-3	-0.01	-0.05	-0.5	4.2	-0.5	137	8.5	21	-5	3.3	0.8
401208	-5	5	3.26	-21	79	5.5	-3	-0.01	-0.05	-0.5	20.2	5	-50	45.2	70	26	3.9	1.3
401218	-5	-1	0.09	52	-15	30.9	-3	-0.01	-0.05	-0.5	0.9	2	200	3.8	8	-5	1.2	0.6
401219	-5	-1	0.02	-43	-15	1.3	-3	-0.01	-0.05	-0.5	0.7	-0.5	-50	0.7	-3	-5	0.1	-0.2
401220	-5	26	0.1	190	-15	4.1	-3	-0.01	-0.05	-0.5	2.3	11.7	104	11.6	18	-5	2	0.5
401221	-5	-1	0.56	105	-15	37.9	6	-0.01	-0.05	-0.5	-0.2	-0.5	87	1.2	-3	-5	0.9	-0.2
401222	-5	12	0.05	150	-15	3.9	-3	-0.01	-0.05	-0.5	2.1	5.9	297	12.2	20	-5	2.4	0.4
401223	-5	7	0.1	140	-15	4.1	-3	-0.01	-0.05	-0.5	2.3	5.4	122	12.7	19	11	2.5	0.5
401224	-5	14	0.03	180	29	5.1	-3	-0.01	-0.05	-0.5	1.9	8.1	130	7.8	11	6	1.3	-0.2
401225	-5	-1	0.25	-37	-15	31.7	-3	-0.01	-0.05	-0.5	1.8	-0.5	263	8.3	15	5	1.9	0.3
401226	-5	-1	0.1	210	-15	23	-3	-0.01	-0.05	-0.5	-0.2	-0.5	101	0.8	4	-5	0.6	0.3
401227	-5	-1	1.4	54	-15	4.5	-3	-0.01	-0.05	-0.5	0.4	-0.5	-50	1.9	4	-5	0.9	-0.2
401228	-5	12	0.76	71	63	13.4	-3	-0.01	-0.05	1	4.3	6.3	-50	20.7	33	17	4.2	1
401229	-5	20	1.1	67	99	14	-3	-0.01	-0.05	-0.5	5.7	7.4	196	27.8	51	19	5.2	1
401230	-5	-1	0.02	-20	30	1.4	-3	-0.01	-0.05	-0.5	3.8	1.2	-50	9.6	19	-5	1.6	0.2

Sample No.	TB	YB	LU	Mass	Cd	Mn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	PPM	PPM	PPM	g	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
	INNA	INNA	INNA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
401206	-0.5	1.2	0.18	28.24	-0.3	279	5.33	-1	-2	0.62	1.13	0.87	0.020	39	0.57	276	8	4.561
401207	-0.5	3.2	0.51	26.74	-0.3	924	6.31	1	-2	0.75	1.88	2.92	0.073	35	0.66	68	24	2.317
401208	-0.5	0.9	0.14	27.05	-0.3	309	11.29	3	-2	1.86	3.28	0.90	0.069	653	0.25	48	14	0.143
401218	-0.5	1.4	0.2	29.44	0.5	776	5.09	-1	-2	2.58	0.05	4.05	0.014	71	0.14	200	11	2.715
401219	-0.5	-0.2	-0.05	28.4	1.6	13	0.25	-1	-2	-0.01	0.11	0.03	0.112	9	0.04	49	-1	0.881
401220	-0.5	1.2	0.18	34.42	1.8	240	1.42	-1	-2	0.18	0.32	0.93	0.062	25	0.04	107	10	15.760
401221	-0.5	1.2	0.19	26.87	1.0	1212	5.39	-1	-2	7.96	0.30	2.52	0.008	127	0.22	272	8	2.351
401222	-0.5	1.4	0.21	29.88	3.3	130	1.47	-1	-2	0.38	0.37	0.62	0.058	20	0.03	86	12	13.014
401223	-0.5	1.6	0.24	31.68	1.6	634	1.56	-1	2	0.77	0.28	0.92	0.047	19	0.07	108	13	8.678
401224	-0.5	0.9	0.14	36.62	3.0	157	1.28	-1	-2	-0.01	0.44	0.69	0.033	9	0.03	80	6	15.502
401225	-0.5	1.9	0.28	21.63	0.5	948	4.55	2	-2	0.92	0.25	4.42	0.026	27	0.21	199	11	1.544
401226	-0.5	0.8	0.12	21.36	0.5	1018	1.79	-1	-2	4.37	0.03	9.20	0.008	9	0.08	115	4	0.358
401227	-0.5	0.9	0.14	28.28	-0.3	140	2.07	-1	-2	0.32	0.05	0.35	0.034	40	0.11	14	6	0.662
401228	-0.5	2.4	0.37	24.99	0.6	772	4.71	2	-2	1.41	1.51	1.54	0.051	113	0.09	188	14	3.005
401229	0.6	3	0.45	20.43	0.9	226	4.57	2	-2	0.24	1.99	0.92	0.031	72	0.23	213	12	2.396
401230	-0.5	0.6	0.09	30.74	-0.3	87	0.98	-1	-2	0.31	0.61	0.15	0.016	6	0.11	12	6	0.513

Sample No.	Northing	Easting	Location	Description	AU	AS	Ag	Cu	Pb	Zn	Mo	Ni	CO	CR
					PPB	PPM	ppm	ppm	ppm	ppm	ppm	ppm	PPM	PPM
					INNA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	INNA	INNA
328109	7157500	405216	Reinsjoen		-2	6.1	-0.3	9	40	60	6	23	20	75
328110	7157500	404750	Reinsjoen		2	2.9	-0.3	8	18	47	4	24	14	77
328111	7163555	407624	Reinsjoen		-2	6.1	-0.3	19	18	69	4	38	22	128
328112	7164473	409682	Reinsjoen		5	3.5	-0.3	18	24	69	1	38	21	128
328113	7156430	404497	Reinsjoen		-2	5.6	-0.3	39	16	61	5	32	17	88
328114	7156461	410127	Reinsjoen		-2	20.9	-0.3	42	53	201	2	75	28	164
400301	7152930	410013	Sibirien		-2	2.6	-0.3	10	36	58	4	22	16	66
400302	7152782	410046	Sibirien		-2	1.1	-0.3	6	27	41	5	14	11	60
400303	7152712	410222	Sibirien		3	1.2	-0.3	6	21	32	2	16	9	56
400304	7151893	405614	Sibirien		8	2.5	-0.3	15	29	58	2	108	18	316
400305	7151819	405914	Sibirien		-2	2.2	-0.3	15	29	48	2	34	12	82
400306	7151562	405000	Sibirien		7	18.9	-0.3	45	71	68	9	32	15	79
400307	7152517	406835	Sibirien		15	2.6	-0.3	30	35	60	4	17	12	52
400308	7152564	406319	Sibirien		-2	2.9	-0.3	5	34	46	10	12	9	41
400309	7152538	406212	Sibirien		10	2	-0.3	5	23	32	3	9	8	38
400310	7151943	405659	Sibirien		-2	1.8	-0.3	14	39	75	-1	153	22	417
400311	7158664	410422	Reinsjoen		-2	9.6	-0.3	38	16	61	3	27	18	82
400312	7158619	410626	Reinsjoen		6	9.7	-0.3	12	42	76	2	24	16	79
400313	7158725	410840	Reinsjoen		3	6	-0.3	9	30	78	4	25	16	78
400314	7158786	410897	Reinsjoen		-2	7.1	-0.3	11	24	73	2	24	15	78
400315	7159219	410676	Reinsjoen		13	14.4	-0.3	71	24	62	25	24	18	70
400316	7164210	410331	Reinsjoen		-2	4.3	-0.3	18	26	72	2	33	18	110
400317	7164342	410615	Reinsjoen		-2	4.9	-0.3	14	26	73	1	29	19	130
400318	7164335	410190	Reinsjoen		-2	23.9	-0.3	37	12	132	3	31	16	100
400319	7164004	409877	Reinsjoen		-2	181	-0.3	88	4	26	6	8	4	59
400320	7157778	412136	Reinsjoen		-2	3	-0.3	21	15	70	3	22	18	65
400321	7157134	410804	Reinsjoen		106	3.2	-0.3	13	25	60	2	24	16	85
400576	7174851	407719	Tunnsjoflyin	med-big creek, good sed	-2	7.7	-0.3	81	18	135	4	101	48	290
400577	7174412	408190	Tunnsjoflyin	small creek, mod sed.	-2	1.8	-0.3	19	5	88	2	34	29	130
400578	7174725	408033	Tunnsjoflyin	small creek, mod sed.	-2	8	-0.3	38	16	114	3	52	43	140
401151	7157876	405025	Reinsjoen		3	4.2	-0.3	11	27	57	13	35	18	110

Appendix C
Stream Sediment Sample Results

Sample No.	SB	W	Au	Pt	Pd	AG	BA	BR	CA	CS	FE	HF	HG	IR	MO	NA	NI	RB	SC	SE	SN	SR	TA	TH
	PPM	PPM	g/t	ppb	ppb	PPM	PPM	PPM	%	PPM	%	PPM	PPM	PPB	PPM	%	PPM	PPM	PPM	PPM	%	%	PPM	PPM
	INNA	INNA	FA	FA	FA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA
328109	0.3	-1				-5	340	22.6	3	2	4.21	11	-1	-5	9	1.88	50	25	16.9	-3	-0.02	-0.05	1.5	4.5
328110	0.3	-1				-5	220	12.8	3	-1	4.15	12	-1	-5	6	1.71	-20	26	17.6	-3	-0.01	0.06	1	3.5
328111	0.2	-1				-5	260	18.3	3	-1	5.02	12	-1	-5	2	1.82	-32	29	20.9	-3	-0.01	-0.05	1.4	3.2
328112	0.2	-1				-5	370	19.3	4	-1	5.17	12	-1	-5	-1	1.87	-34	42	22.6	-3	-0.01	-0.05	1.3	4.2
328113	0.4	-1				-5	230	12	3	-1	4.7	7	-1	-5	6	1.78	-30	32	18.1	-3	-0.01	-0.05	1.1	4.2
328114	0.9	-1				-5	300	48.5	2	3	5.87	4	-1	-5	-1	1.48	78	20	25.4	-3	-0.01	-0.05	1.4	3.7
400301	0.5	-1				-5	440	6.9	3	3	5.12	10	-1	-5	-1	2.14	-24	79	23.5	-3	-0.01	0.07	1.3	7.1
400302	0.3	-1				-5	340	5	3	2	4.58	12	-1	-5	-1	2.01	-21	56	22.8	-3	-0.01	-0.05	1.2	5.6
400303	0.4	-1				-5	410	2.2	3	2	3.81	13	-1	-5	-1	2.22	-22	56	21.8	-3	-0.01	0.06	1.7	5.3
400304	0.6	-1				-5	520	5.6	3	4	4.18	6	-1	-5	-1	2.85	109	59	27.4	-3	-0.01	-0.05	-0.5	15
400305	0.7	-1				-5	610	4.3	3	4	3.12	5	-1	-5	-1	2.68	-23	101	19.1	-3	-0.01	-0.05	1.5	11.2
400306	1.5	4				-5	550	8.5	3	4	4.38	7	-1	-5	11	1.74	-21	114	18.2	-3	-0.01	-0.05	0.9	10.5
400307	0.3	-1				-5	270	9.4	3	2	3.8	9	-1	-5	-1	1.92	-21	87	17	-3	-0.01	-0.05	2	7.3
400308	0.3	-1				-5	350	8.1	2	2	3.1	10	-1	-5	8	1.91	-20	74	13.1	-3	-0.01	-0.05	1.7	6.6
400309	0.2	-1				-5	340	5.8	2	2	3.13	17	-1	-5	-1	1.97	-20	66	14.6	-3	-0.01	-0.05	1.6	5.8
400310	0.6	-1				-5	610	6.2	4	4	4.53	6	-1	-5	-1	3.11	158	74	31.5	-3	-0.01	0.1	-0.5	17.5
400311	0.2	-1				-5	120	14.9	2	-1	4.71	10	-1	-5	-1	1.66	-20	26	19.2	-3	-0.01	-0.05	1.6	4.9
400312	0.4	-1				-5	210	22.9	3	2	4.69	9	-1	-5	-1	1.78	-22	35	18.4	-3	-0.01	-0.05	0.9	4.7
400313	0.5	-1				-5	300	18.5	3	2	4.51	11	-1	-5	-1	1.8	-20	31	18	-3	-0.01	-0.05	-0.5	4.7
400314	0.4	-1				-5	260	15.5	3	1	4.76	12	-1	-5	3	1.87	-20	20	18.5	-3	-0.01	-0.05	-0.5	5
400315	0.5	11				-5	220	17.4	2	1	4.2	11	-1	-5	23	1.67	-20	36	17.5	-3	-0.01	-0.05	1.4	4.7
400316	0.2	-1				-5	210	13.1	3	-1	4.67	15	-1	-5	-1	1.63	56	23	19.4	-3	-0.01	-0.05	1.5	4
400317	0.3	-1				-5	290	11.6	3	-1	5.47	20	-1	-5	-1	1.69	-20	33	22.4	-3	-0.01	0.07	1.5	4.3
400318	0.4	-1				-5	210	12.8	3	-1	9.42	13	-1	-5	2	1.25	-20	16	19.7	-3	-0.01	-0.05	1.4	3.2
400319	1	-1				-5	100	32.8	-1	-1	34.7	6	-1	-5	6	0.29	-20	-15	6.6	-3	-0.01	-0.05	-0.5	2.8
400320	0.4	-1				-5	220	15.1	2	-1	5.71	9	-1	-5	-1	1.75	-20	15	22.5	-3	-0.01	-0.05	-0.5	2.8
400321	0.4	-1				-5	220	12.7	3	-1	5.08	15	-1	-5	3	1.58	-20	31	20.7	-3	-0.01	-0.05	0.9	3.3
400576	0.5	-1				-5	130	21.3	6	2	7.08	5	-1	-5	-1	1.28	110	-15	32	-3	-0.01	-0.05	-0.5	1.4
400577	0.4	-1				-5	260	18.6	4	1	5.97	11	-1	-5	-1	1.5	-20	-15	25.6	-3	-0.01	-0.05	-0.5	1.9
400578	1.6	2				-5	150	13	5	-1	7.1	7	-1	-5	-1	1.37	55	-15	30.9	-3	-0.01	0.08	-0.5	1.4
401151	0.3	3	2	-5	-4	-5	200	12.9	3	1	4.72	12	-1	-5	16	1.76	-20	32	19.9	-3	-0.01	-0.05	1.3	4.5

Sample No.	U	ZN	LA	CE	ND	SM	EU	TB	YB	LU	Mass	Cd	Mn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	g	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
328109	9.4	74	23	42	17	3.9	1.2	0.7	3.8	0.57	32.79	-0.3	1198	5.40	2	2	3.31	0.82	1.46	0.044	318	0.57	106	25	0.023
328110	4	64	17.9	31	14	3.3	1.1	0.6	4.2	0.67	34.67	-0.3	1179	5.34	1	-2	3.25	0.74	1.52	0.033	279	0.54	96	29	0.013
328111	1.7	64	19.8	37	13	3.6	1	1	4	0.62	36.03	0.4	1369	5.91	2	-2	3.43	0.90	1.93	0.057	209	0.59	130	33	0.023
328112	1.9	73	23.5	43	19	4.1	1.2	0.7	4.2	0.68	31.68	-0.3	1222	5.93	2	-2	3.44	0.95	1.99	0.063	193	0.49	114	30	0.010
328113	3	57	23.6	40	11	4.3	1.2	0.7	3.4	0.53	38.54	0.5	874	5.50	1	-2	2.40	0.88	1.62	0.045	176	0.44	91	26	0.013
328114	3.2	252	19.5	35	11	3.9	0.9	0.9	2.7	0.42	24.94	1.7	1948	6.00	1	-2	1.48	1.01	2.43	0.055	130	0.36	174	21	0.044
400301	6.3	82	44.4	79	33	7.5	1.8	1.1	4.9	0.74	31.85	-0.3	1350	6.39	3	-2	4.16	1.84	1.37	0.050	405	0.55	111	40	0.005
400302	5.3	-50	35.9	62	26	6	1.7	0.7	5	0.77	39.19	-0.3	1361	6.60	2	-2	4.21	1.46	1.19	0.027	439	0.47	95	44	0.004
400303	4.8	64	36.5	64	23	6.2	1.7	1	4.6	0.71	34.76	-0.3	1030	6.32	2	-2	3.76	1.55	1.00	0.016	450	0.46	88	37	0.005
400304	5.4	110	81.6	139	50	11.8	2.4	1.4	4.8	0.66	27.22	-0.3	1031	7.88	3	-2	4.12	2.13	2.27	0.077	718	0.40	99	49	0.018
400305	3.7	-50	59.2	98	37	8.5	1.8	0.9	3.3	0.5	32.39	-0.3	900	7.52	3	-2	3.12	3.05	1.23	0.057	496	0.39	73	42	0.007
400306	10.3	85	50.1	94	39	7.7	1.7	0.9	4.2	0.66	33.95	0.5	998	7.36	3	-2	3.07	2.79	1.17	0.109	420	0.67	110	46	0.237
400307	12.8	59	28.9	54	20	4.7	1.2	0.8	4.3	0.63	32.94	-0.3	1405	6.49	2	-2	2.95	2.31	1.26	0.027	292	0.40	79	36	0.010
400308	9.1	-50	25.4	48	16	4.1	1	0.6	3.8	0.59	35.59	-0.3	1022	6.58	3	-2	2.44	2.54	0.92	0.021	274	0.50	72	35	0.014
400309	7.3	-50	30.8	51	20	4.9	1.2	0.6	5.2	0.8	40.65	-0.3	1136	6.10	2	-2	2.86	2.18	0.80	0.022	280	0.45	62	40	0.005
400310	5.3	79	97.3	166	65	14.2	3.2	1.6	5	0.74	27.89	-0.3	1040	8.20	3	-2	4.50	1.92	2.98	0.115	872	0.43	108	54	0.007
400311	3.1	87	22.3	58	13	3.9	1.1	0.6	4.4	0.65	35.04	0.3	1227	5.49	2	-2	3.29	0.74	1.59	0.069	185	0.63	110	31	0.015
400312	3.7	88	20.3	35	18	3.5	1	0.6	3.9	0.6	31.3	0.3	1146	5.59	2	-2	3.17	1.02	1.61	0.050	226	0.60	114	28	0.013
400313	3.6	53	19.8	38	19	3.9	1.2	-0.5	4.1	0.63	31.54	-0.3	1163	6.07	2	-2	3.12	1.18	1.68	0.047	249	0.58	109	28	0.013
400314	3.8	71	20.8	41	14	4.1	1.3	0.9	4.5	0.69	29.26	-0.3	1166	6.20	2	-2	3.28	1.10	1.69	0.055	256	0.60	108	31	0.014
400315	3.7	66	25.7	48	18	4.4	1.3	-0.5	4.1	0.65	33.95	-0.3	1153	5.79	2	-2	3.25	0.89	1.50	0.056	279	0.64	116	33	0.051
400316	2.4	76	23.4	40	17	4.3	1.2	0.8	5.1	0.82	34.09	0.4	1451	6.13	2	-2	3.57	0.97	1.95	0.079	196	0.58	109	38	0.011
400317	2.4	88	24.4	42	19	4.7	1.4	0.9	6.6	1.07	34.61	0.7	1517	5.21	2	-2	3.46	0.86	1.83	0.065	170	0.68	118	36	0.011
400318	2.8	143	18.9	36	18	4.1	1.3	0.8	4.6	0.72	37.12	1.0	1005	5.05	1	-2	3.09	0.79	1.58	0.041	148	0.51	115	30	0.037
400319	-0.5	-50	2.6	6	-5	0.6	0.3	-0.5	0.9	0.17	44.61	2.3	247	1.05	-1	-2	0.57	0.21	0.36	0.035	43	0.22	54	5	0.905
400320	1.7	109	13.6	27	13	3.4	1	-0.5	4.1	0.67	33.08	-0.3	1184	5.72	1	3	2.32	0.72	1.93	0.045	134	0.62	199	25	0.013
400321	2.2	54	16.4	30	12	3.5	1.1	0.6	5	0.77	36.72	0.4	1336	5.28	1	-2	3.05	0.77	1.75	0.032	153	0.71	133	29	0.009
400576	1.1	189	7.2	17	5	2.2	0.8	0.6	3	0.48	34.92	-0.3	1503	6.39	-1	-2	5.45	0.55	3.67	0.028	152	0.45	233	22	0.044
400577	1.1	100	9.9	21	-5	2.7	1	0.6	5.4	0.87	33.97	0.4	1921	6.15	1	-2	4.41	0.58	2.45	0.022	168	0.56	167	38	0.010
400578	1.3	100	7.4	15	-5	2.7	1	-0.5	4.3	0.68	34	0.4	1802	6.63	-1	-2	5.50	0.39	3.35	0.020	176	0.68	244	31	0.018
401151	5.7	57	22.9	44	17	4	1.4	0.9	4.3	0.7	33.84	-0.3	1046	4.69	1	-2	2.92	0.66	1.74	0.050	218	0.61	118	27	0.019

Sample No.	Northing	Easting	Location	Description	AU	AS	Ag	Cu	Pb	Zn	Mo	Ni	CO	CR
					PPB	PPM	ppm	ppm	ppm	ppm	ppm	ppm	PPM	PPM
					INNA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	INNA	INNA
401152	7157770	404476	Reinsjoen		-2	2.5	-0.3	16	8	43	3	24	14	93
401153	7157839	404542	Reinsjoen		-2	2.8	-0.3	7	15	46	4	23	13	78
401154	7162973	407601	Reinsjoen		-2	26.4	-0.3	19	22	87	3	37	23	170
401155	7162638	407556	Reinsjoen		-2	47.3	-0.3	13	22	95	3	41	15	140
401156	7169630	407556	Reinsjoen		-2	74.7	-0.3	21	31	120	3	57	25	226
401157	7156359	404143	Reinsjoen		-2	3.1	-0.3	18	5	61	4	35	14	110
401158	7156342	404125	Reinsjoen		-2	3.8	-0.3	15	10	53	2	34	17	100

Sample No.	SB	W	Au	Pt	Pd	AG	BA	BR	CA	CS	FE	HF	HG	IR	MO	NA	NI	RB	SC	SE	SN	SR	TA	TH
	PPM	PPM	g/t	ppb	ppb	PPM	PPM	PPM	%	PPM	%	PPM	PPM	PPB	PPM	%	PPM	PPM	PPM	PPM	%	%	PPM	PPM
	INNA	INNA	FA	FA	FA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA
401152	0.3	2	2	5	-4	-5	220	6.6	3	-1	4.7	15	-1	-5	5	1.56	-20	21	19.1	-3	-0.01	-0.05	2	4.4
401153	-0.1	-1	4	-5	-4	-5	190	8.3	3	-1	4.28	12	-1	-5	-1	1.59	-20	22	18.7	-3	-0.01	-0.05	1.1	3.3
401154	0.9	-1	2	-5	-4	-5	330	21.7	3	-1	6.15	9	-1	-5	-1	2.17	-26	-15	25.2	-3	0.13	-0.05	-0.5	3.9
401155	0.5	2	-2	-5	-4	-5	220	9.7	3	-1	4.48	9	-1	-5	3	1.63	-20	17	18.8	-3	-0.01	-0.05	-0.5	2.9
401156	0.4	-1	8	5	5	-5	480	27.5	4	-1	5.85	7	-1	-5	-1	1.86	51	-15	22.5	-3	-0.02	-0.05	-0.5	3.3
401157	0.3	-1	2	-5	-4	-5	170	4.5	3	-1	4.81	13	-1	-5	-1	1.45	-20	24	20.1	-3	-0.01	-0.05	1.6	3.8
401158	0.3	-1	3	-5	-4	-5	270	6.3	4	2	4.52	9	-1	-5	-1	1.78	-20	28	18.6	-3	-0.01	-0.05	1.1	4

Sample No.	U	ZN	LA	CE	ND	SM	EU	TB	YB	LU	Mass	Cd	Mn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	g	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
401152	3.3	60	24.1	39	19	4.4	1.4	1	5.3	0.83	42.46	0.3	1119	5.04	1	-2	2.81	0.65	1.60	0.060	176	0.63	105	33	0.011
401153	2.5	-50	16.7	32	15	3.5	1.1	0.7	4.8	0.75	39.81	-0.3	1184	5.05	2	-2	3.02	0.64	1.66	0.055	171	0.65	103	33	0.009
401154	1.6	131	20.4	40	18	4.2	1.2	-0.5	5.2	0.89	12.62	0.7	1301	5.92	2	-2	2.58	0.93	2.01	0.044	188	0.43	133	27	0.074
401155	1.7	116	15.2	32	14	3.4	1.1	0.7	4.4	0.67	35.8	1.0	1334	5.52	1	-2	2.80	0.82	1.88	0.038	167	0.55	116	32	0.014
401156	3.3	111	17.1	41	-5	3.8	1.1	-0.5	4.4	0.54	6.204	0.7	1208	5.09	1	-2	2.39	0.71	1.92	0.035	151	0.48	131	26	0.020
401157	3	-50	22.1	36	19	4.1	1.2	0.9	5.4	0.87	41.74	0.4	1451	5.51	1	-2	2.60	0.70	1.74	0.045	170	0.77	119	35	0.010
401158	2.1	68	24.1	38	22	4.3	1.3	0.8	4.2	0.66	33.95	-0.3	1111	5.58	2	-2	2.57	0.82	1.67	0.045	183	0.61	117	29	0.008

Invoice No.: 20425
Work Order: 20642
Invoice Date: 27-SEP-00
Date Submitted: 13-SEP-00
Your Reference: CREW-1
Account Number: 2749

CREW DEVELOPMENT CORPORATION
O.H. BANGSVEI 54-58
N-1363 HOEVIK, NORWAY
ATTN: DENIS SCHLATTER

CERTIFICATE OF ANALYSIS

142 ROCKS (PREP.REV3) were submitted for analysis.

The following analytical packages were requested. Please see our current fee schedule for elements and detection limits.

REVISED REPORT 20425R CODE 1H INAA(INAAGEO.REV1)
REPORT 20425 B TOTAL DIGESTION ICP(TOTAL.REV2)
REVISED REPORT 20425 CR CODE 4C-WHOLE ROCK ANALYSIS
REVISED REPORT 20425 DR CODE 1C-FIRE ASSAY ICP/OES

REVISED REPORT 20425 RPT.XLS CODE 4C1-XRF PRESSED PELLET

NOTE: THE ATTACHED REVISED REPORTS SUPERSEDE THE PREVIOUS REPORTS SENT.
20425R-ADDED SAMPLES 328060-328064 TO THE REPORT.
20425CR-CORRECTED ELEMENTS REPORTED TO REFLECT 4C PKG.
20425DR-REVISED TO INCLUDE STANDARDS
20425RPT-SAMPLE 401193 ERRONEOUSLY REPORTED AS -2 AND STANDARDS ADDED.

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CERTIFIED BY :


DR E.HOFFMAN/GENERAL MANAGER

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613

E MAIL ancaster@actlabs.com ACTLABS GROUP WEBSITE <http://www.actlabs.com>

Activation Laboratories Ltd. Work Order: 20642 Report: 20425R

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm
328123	-2	-5	3.4	180	11.1	-1	6	89	-1	1.32	2	-1	-5	-1	3.44	-31	-15	0.9	3.6	-3	-0.01	0.06	0.9	1.9	1.3
328124	56	-5	11.7	300	4.4	7	55	94	-1	8.73	3	-1	-5	137	0.54	-35	57	2.8	27.5	-3	-0.01	-0.05	-0.5	1.9	-0.5
328125	-2	-5	24.4	-50	43.1	-1	28	143	-1	7.54	2	-1	-5	-1	1.35	-33	-15	0.6	17.3	-3	-0.01	-0.05	-0.5	1.4	-0.5
328126	-2	-5	8.9	-50	68.7	-1	5	174	-1	1.02	-1	-1	-5	-1	0.09	-20	-15	0.6	1.9	-3	-0.01	-0.05	-0.5	-0.2	-0.5
328127	17	-5	76.8	200	12.3	3	135	82	-1	11.6	1	-1	-5	-1	0.27	83	-15	0.8	13	-3	-0.01	-0.05	-0.5	1	-0.5
328128	19	-5	95.5	-50	6.4	-1	69	123	-1	10.1	1	-1	-5	-1	0.67	-30	-15	1.2	3.3	-3	-0.01	-0.05	-0.5	-0.2	-0.5
328129	37	-5	29.4	370	5.1	-1	61	124	3	8.38	3	-1	-5	-1	1.86	56	47	2.2	14	4	-0.01	-0.05	-0.5	2.1	-0.5
328130	34	-5	32.3	330	3.8	-1	69	107	-1	8.57	3	-1	-5	5	1.67	65	-15	2.1	13.1	-3	-0.01	-0.05	-0.5	2.3	-0.5
328131	9	-5	6.2	400	2.6	-1	3	132	-1	7.38	2	-1	-5	-1	0.19	-25	39	1.5	8.6	-3	-0.01	-0.05	-0.5	1.4	-0.5
328141	12	-5	240	340	2.1	-1	43	224	3	17	3	-1	-5	-1	0.7	66	51	66.5	5.8	-3	-0.01	-0.05	-0.5	2.7	-0.5
328173	770	8	23.4	120	35.4	-1	140	145	-1	10.5	-1	-1	-5	19	0.6	92	-15	1	9.9	-3	-0.01	-0.05	-0.5	-0.2	-0.5
328174	54900	63	55.2	-50	26.2	-1	158	173	-1	16.8	-1	-1	-5	-1	-0.01	190	-15	12.1	1.4	-3	-0.02	-0.05	-0.5	-0.2	-0.5
328175	23	-5	12.4	-50	1.8	-1	16	110	-1	21	-1	-1	-5	-1	0.1	149	-15	0.6	3.3	-3	-0.01	-0.05	-0.5	0.7	-0.5
328176	254	-5	37.3	-50	2.3	-1	355	127	-1	20.6	2	-1	-5	-1	2.12	97	-15	1.4	6.2	-3	-0.01	0.05	-0.5	2.1	1.1
328177	14	-5	5.1	340	1	-1	10	105	1	8.55	3	-1	-5	4	2.04	-29	32	0.8	9.9	-3	0.01	-0.05	-0.5	3	-0.5
328178	12	-5	3.2	400	-0.5	-1	7	944	-1	1.2	1	-1	-5	-1	0.3	-21	61	1.1	17.5	-3	-0.01	0.05	-0.5	0.5	-0.5
328179	-2	-5	1.7	-50	5.2	14	27	66	-1	5.9	1	-1	-5	-1	0.15	-31	-15	0.3	35.4	-3	-0.01	-0.05	-0.5	-0.2	-0.5
328180	-2	-5	7.9	-50	2.8	1	14	168	-1	1.84	-1	-1	-5	-1	0.05	-20	-15	0.2	4.3	-3	-0.01	-0.05	-0.5	-0.2	-0.5
328181	46	-5	11.4	-50	0.7	2	6	85	2	14.1	1	-1	-5	-1	0.44	-22	33	0.2	2.7	-3	-0.01	-0.05	-0.5	1.5	-0.5
328182	54	-5	6.6	330	-0.5	-1	-1	151	3	2.25	4	-1	-5	-1	2.05	-25	76	0.3	9.5	-3	-0.01	-0.05	-0.5	2.9	1
328183	25	-5	2.4	-50	1.1	-1	2	170	-1	6.09	-1	-1	-5	4	0.06	-20	-15	-0.1	1.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5
328184	-2	-5	1.6	-50	1	-1	3	166	-1	0.91	-1	-1	-5	-1	0.04	-20	-15	-0.1	1.5	-3	-0.01	-0.05	-0.5	-0.2	-0.5
328185	7	-5	2.7	-50	1.8	-1	3	100	-1	5.33	-1	-1	-5	-1	0.08	-20	-15	0.2	4.3	-3	-0.01	-0.05	-0.5	0.3	-0.5
328186	-2	-5	2	-50	1.5	1	11	95	-1	20.4	-1	-1	-5	-1	0.1	-20	-15	0.2	7	-3	-0.01	-0.05	-0.5	-0.2	-0.5
328190	33	-5	22.5	-50	2.2	-1	290	93	-1	26.2	3	-1	-5	4	0.17	79	-15	0.2	23.6	-3	-0.01	-0.05	-0.5	0.8	-0.5
328191	-2	-5	406	-50	39.7	-1	18	240	-1	6.35	-1	-1	-5	-1	0.01	20	-15	-0.1	3.2	-3	-0.01	-0.05	-0.5	1.1	-0.5
328192	88	-5	89.7	-50	1.8	-1	10	77	-1	20.2	1	-1	-5	3	0.03	-20	-15	0.4	2.3	-3	-0.01	-0.05	-0.5	0.7	-0.5
328193	591	-5	3.6	-50	4.7	-1	16	140	-1	11.5	-1	-1	-5	-1	-0.01	-20	-15	0.6	1.2	-3	-0.01	0.05	-0.5	0.3	-0.5
328194	4	-5	440	-50	5.2	-1	7	110	-1	9.95	1	-1	-5	-1	0.04	-20	-15	9.5	4.9	-3	-0.01	0.05	0.5	0.6	-0.5
401159	12	-5	2.6	-50	1.2	1	3	170	-1	1.5	-1	-1	-5	2	0.01	-20	-15	0.1	1.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401159(PULP DUP)	28	-5	3.5	-50	1.8	-1	4	260	-1	2.68	-1	-1	-5	2	0.02	-20	-15	0.5	1.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401160	67	-5	5	-50	1.1	1	3	120	3	7.18	-1	-1	-5	-1	0.09	-20	-15	0.2	1.5	-3	-0.01	-0.05	-0.5	0.5	-0.5
401161	-2	-5	4.6	280	1.7	-1	2	200	-1	4.36	1	-1	-5	2	0.54	-20	35	0.2	10.2	-3	-0.01	-0.05	-0.5	0.7	-0.5
401162	4	-5	35.3	440	10.6	-1	41	181	2	5.2	2	-1	-5	-1	0.61	-20	31	69.4	12.8	-3	-0.01	-0.05	-0.5	1.8	-0.5
401163	-2	-5	2.2	55	37.8	1	5	190	-1	1	-1	-1	-5	-1	0.09	-20	-15	0.6	1.5	-3	-0.01	-0.05	-0.5	0.2	-0.5
401164	-2	-5	8.3	-50	39.2	-1	3	137	-1	0.34	-1	-1	-5	-1	0.01	-20	-15	0.5	-0.1	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401165	20	-5	4	-50	37.9	-1	7	166	-1	0.67	-1	-1	-5	-1	0.02	-20	-15	0.6	0.4	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401166	50	-5	0.9	-50	5.1	-1	6	162	-1	1	-1	-1	-5	-1	0.12	-20	-15	-0.1	0.5	-3	-0.01	-0.05	-0.5	0.2	-0.5
401167	740	-5	1.2	160	2.3	3	450	79	-1	15.9	1	-1	-5	6	1.69	295	-15	-0.1	6.6	1.5	-0.01	-0.05	-0.5	-0.2	-0.5
401168	495	10	1	-50	3.9	3	77	103	2	5.83	-1	-1	-5	8	1.86	23	-15	-0.1	6.2	-3	-0.01	-0.05	-0.5	0.5	-0.5
401169	1050	41	-0.5	-50	5.5	1	482	83	-1	20.8	-1	-1	-5	11	0.14	223	-15	0.1	2.6	15	0.01	0.05	-0.5	-0.2	-0.5
401170	304	25	1.8	170	-0.5	3	259	67	2	10.8	-1	-1	-5	-1	2.57	100	-15	-0.1	10.5	10	0.01	0.05	-0.5	0.9	-0.5
401171	39	-5	-0.5	340	-0.5	-1	50	69	2	6.16	3	-1	-5	6	1.92	108	32	-0.1	10.9	-3	0.01	0.05	-0.5	3	-0.5
401172	19	-5	-0.5	340	-0.5	-1	17	51	1	1.23	3	-1	-5	-1	3.48	35	43	-0.1	1.4	-3	0.01	0.05	1.9	3.5	-0.5
401173	-2	-5	3	220	-0.5	2	29	151	2	4.13	3	-1	-5	-1	1.67	84	27	0.2	12.3	-3	0.01	0.05	-0.5	2	0.6
401174	-2	-5	1.3	470	3.5	2	145	153	-1	5.34	3	-1	-5	-1	3.59	98	-15	0.9	13.8	-3	0.01	0.05	1.3	3.2	0.8
401175	15	-5	5.5	530	4.4	4	70	122	-1	4.95	4	-1	-5	3	3.33	89	44	0.5	14.2	-3	0.01	0.12	-0.5	3.2	-0.5
401176	-2	-5	1	430	56.4	2	53	106	-1	5.14	3	-1	-5	-1	2.61	97	38	0.7	12.2	-3	-0.01	-0.05	-0.5	2.7	1.9
401177	203	-5	3.3	69	28	-1	84	163	-1	12.5	-1	-1	-5	-1	0.03	-22	-15	0.5	2.8	-3	0.01	-0.05	-0.5	0.6	0.7
401178	95	-5	2.6	-50	4.6	-1	21	127	-1	7.78	-1	-1	-5	-1	0.04	55	-15	0.3	2	-3	0.01	-0.05	-0.5	0.3	-0.5

Activation Laboratories Ltd. Work Order: 20642 Report: 20425R

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Se ppm	Si ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm
401179	254	-5	3.1	-50	4.8	2	48	105	-1	22.3	3	-1	-5	-1	0.02	56	-15	0.4	27.9	-3	-0.01	-0.05	-0.5	1.8	-0.5
401179(PREP DUP)	172	-5	3.7	-50	4.8	2	44	134	-1	22.5	4	-1	-5	-1	0.02	56	-15	0.5	26.4	-3	-0.01	-0.05	-0.5	1.8	-0.5
401180	-2	-5	11.5	490	-0.5	-1	17	99	3	3.74	4	-1	-5	2	2.39	-27	69	0.4	15	-3	-0.01	-0.05	-0.5	5.3	1.1
401181	14	-5	3.9	-50	10.1	5	51	117	-1	13.2	4	-1	-5	-1	1.45	-35	-15	0.8	44.3	-3	-0.01	-0.05	1	2.6	0.6
401182	-2	-5	4.7	-50	-0.5	4	51	46	-1	12	3	-1	-5	-1	2.38	-39	-15	1.3	45.8	-3	-0.01	-0.05	-0.5	0.9	-0.5
401183	5	-5	2.5	-50	2.7	-1	22	185	-1	20.9	2	-1	-5	-1	0.02	70	-15	1	34.2	-3	-0.01	-0.05	0.5	0.5	1.1
401184	55	-5	3	-50	2.8	-1	45	192	-1	20.5	2	-1	-5	-1	0.26	-34	-15	0.7	31.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401185	4	-5	95.3	330	2.9	-1	56	211	2	7.93	1	-1	-5	-1	3.5	130	-15	0.9	35.6	-3	-0.01	-0.05	-0.5	0.6	-0.5
401186	32	-5	110	110	2	2	5	79	-1	18.1	2	-1	-5	-1	0.1	-24	-15	0.8	4.9	-3	-0.01	-0.05	-0.5	1.3	-0.5
401187	36	-5	11.5	-50	3.4	-1	4	47	-1	20.3	-1	-1	-5	-1	0.02	-24	-15	0.7	1.2	4	-0.01	-0.05	-0.5	0.5	-0.5
401188	-2	-5	6.1	-50	-0.5	4	38	111	-1	9.69	3	-1	-5	-1	2.8	80	-15	0.8	34.7	-3	0.01	-0.05	-0.5	-0.2	1.9
401189	-2	-5	10	300	10.3	3	36	92	-1	9.48	3	-1	-5	-1	0.98	43	42	2.2	35.7	-3	-0.01	0.05	-0.5	2	-0.5
401189(PULP DUP)	-2	-5	11.8	290	10.2	3	38	107	-1	8.96	3	-1	-5	-1	0.99	44	45	1.9	35	-3	-0.01	0.05	-0.5	1.8	-0.5
401190	85	-5	1500	-50	2	-1	2	110	-1	4.54	-1	-1	-5	-1	0.03	-20	-15	-0.1	0.9	-3	-0.01	0.05	-0.5	-0.2	-0.5
401191	380	-5	702	-50	2	2	6	91	5	15.3	3	-1	-5	14	0.34	-29	-15	4.7	10.6	-3	0.01	0.05	1.1	2.9	-0.5
401192	-2	-5	14.9	180	3.9	-1	5	67	2	2.91	4	-1	-5	4	1.92	-23	59	1.5	7.9	-3	-0.01	-0.05	1.5	4.5	2
401193	-2	-5	4.4	-50	-0.5	10	49	769	2	7.99	2	-1	-5	-1	1.59	290	-15	1.1	24.1	-3	0.01	-0.05	0.5	6.6	1.2
401194	-2	-5	3.5	-50	-0.5	-1	35	216	2	4.3	3	-1	-5	6	2.71	88	-15	1.9	13.7	-3	-0.01	-0.05	1.1	5.3	1.4
401195	-2	-5	1.7	490	-0.5	-1	-1	101	-1	4.64	3	-1	-5	-1	1.79	-51	53	1	12.4	-3	-0.01	-0.05	-0.5	1.1	1.6
401196	168	-5	9	300	2.9	-1	-1	80	3	6.43	3	-1	-5	-1	0.47	-42	67	1.9	10.2	-3	-0.01	-0.05	-0.5	0.6	-0.5
401197	1190	-5	3.5	-50	4.2	-1	25	110	-1	13.2	-1	-1	-5	-1	0.01	-31	-15	0.5	1.3	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401198	26	-5	100	-53	-0.5	2	61	215	-1	6.52	-1	-1	-5	-1	2.57	111	-18	0.9	37.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401199	10	-5	30.5	-50	-0.5	-1	30	130	-1	4.75	1	-1	-5	-1	1.62	54	60	0.5	19.4	-3	0.01	-0.05	-0.5	0.3	-0.5
401200	1060	-5	2650	-58	6.5	-1	11	106	-1	12.7	3	-1	-5	-1	0.86	-58	55	-0.2	26.3	-3	-0.01	-0.05	-0.5	0.9	-0.5
401209	22	-5	3	120	7.6	2	11	267	-1	2.1	1	-1	-5	-1	0.46	99	44	-0.1	5.1	-3	-0.01	-0.05	-0.5	2.8	1.5
401210	69	-5	9.1	200	-0.5	2	24	66	-1	12	1	-1	-5	-1	0.51	-38	-15	0.3	9.4	11	0.01	-0.05	-0.5	0.9	-0.5
401211	9	-5	16.2	-51	-0.5	-1	64	38	-1	9.51	4	-1	-5	-1	4.73	-68	-15	0.6	29.7	-3	-0.02	-0.05	-0.5	1.7	-0.5
401212	34	-5	234	-50	-0.5	6	247	467	-1	16.5	-1	-1	-5	-1	0.08	330	-15	-0.1	45.1	22	-0.02	-0.05	-0.5	-0.2	-0.5
401213	79	34	220	-50	-0.5	2	196	302	-1	25.5	-1	-1	-5	-1	0.05	380	-15	-0.1	21.6	120	-0.02	-0.05	-0.5	-0.2	-0.5
401214	34	-5	84.2	-50	-0.5	5	162	371	-1	22.1	-1	-1	-5	-1	0.06	3300	-15	0.3	44.7	25	-0.01	-0.05	-0.5	0.2	0.8
401215	14	-5	17.8	-50	-0.5	8	25	164	1	11.4	-1	-1	-5	-1	0.09	250	-15	0.5	45.5	11	0.01	-0.05	-0.5	-0.2	-0.5
401216	18	-5	26.3	-50	-0.5	2	22	169	-1	7.75	-1	-1	-5	-1	0.02	120	-15	0.2	17.5	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401217	53	-5	349	-50	-0.5	5	633	140	-1	17.6	-1	-1	-5	-1	0.03	200	-15	4.3	29.1	35	-0.02	-0.05	-0.5	-0.2	-0.5
401218	-2	-5	12.1	-50	-0.5	2	10	482	-1	5.41	1	-1	-5	-1	0.09	52	-15	0.2	30.9	-3	-0.01	-0.05	-0.5	0.9	2
401219	-2	-5	19.4	-50	5.5	-1	1	46	-1	50.1	-1	-1	-5	-1	0.02	-43	-15	-0.1	1.3	-3	-0.01	-0.05	-0.5	0.7	-0.5
401220	19	-5	7.6	-50	-0.5	-1	102	77	-1	38.7	-1	-1	-5	26	0.1	190	-15	-0.1	4.1	-3	-0.01	-0.05	-0.5	2.3	11.7
401221	-2	-5	8.5	-50	-0.5	9	59	421	-1	10.9	-1	-1	-5	-1	0.56	105	-15	0.6	37.9	6	0.01	-0.05	-0.5	-0.2	-0.5
401222	12	-5	12.8	-50	-0.5	-1	37	112	-1	24.4	-1	-1	-5	12	0.05	150	-15	-0.1	3.9	-3	-0.01	-0.05	-0.5	2.1	5.9
401223	12	-5	6	120	-0.5	-1	13	123	-1	19.6	-1	-1	-5	7	0.1	140	-15	0.1	4.1	-3	-0.01	-0.05	-0.5	2.3	5.4
401224	8	-5	9.5	-50	-0.5	-1	101	94	-1	34.1	-1	-1	-5	14	0.03	180	29	-0.1	5.1	-3	-0.01	-0.05	-0.5	1.9	8.1
401225	4	-5	3.5	-50	-0.5	2	7	379	-1	7.09	1	-1	-5	-1	0.25	-37	-15	-0.1	31.7	-3	-0.01	-0.05	-0.5	1.8	-0.5
401226	-2	-5	2.2	-50	-0.5	5	33	1550	-1	17.3	-1	-1	-5	-1	0.1	210	-15	-0.1	23	-3	-0.01	-0.05	-0.5	0.2	-0.5
401227	-2	-5	3.5	-50	3.5	-1	22	170	-1	2.15	-1	-1	-5	-1	1.4	54	-15	0.3	4.5	-3	-0.01	-0.05	-0.5	0.4	-0.5
401228	-2	-5	55.3	200	-0.5	2	8	142	3	6.15	2	-1	-5	12	0.76	71	63	0.7	13.4	-3	0.01	-0.05	1	4.3	6.3
401229	13	-5	18.9	400	-0.5	-1	14	211	4	5.58	3	-1	-5	20	1.1	67	99	0.6	14	-3	-0.01	-0.05	-0.5	5.7	7.4
401230	-2	-5	13	100	-0.5	-1	3	125	-1	1.01	2	-1	-5	-1	0.02	-20	30	1.1	1.4	-3	-0.01	-0.05	-0.5	3.8	1.2
401231	-2	-5	3.9	200	-0.5	6	16	52	-1	9.5	2	-1	-5	-1	2.34	-47	67	-0.1	37.4	-3	-0.02	-0.05	-0.5	0.5	-0.5
401232	-2	-5	10	99	-0.5	-1	16	85	-1	2.22	4	-1	-5	-1	5.12	-46	-15	0.3	6.8	-3	-0.01	-0.05	-0.5	2.7	-0.5
401233	-2	-5	8.1	-50	-0.5	4	42	54	-1	8.19	6	-1	-5	7	4.42	-48	-15	0.3	25.3	6	-0.02	-0.05	-0.5	1.3	-0.5
401234	-2	-5	15.8	-50	-0.5	-1	20	230	-1	3.73	-1	-1	-5	64	0.35	-21	-15	0.7	9	-3	-0.01	-0.05	-0.5	-0.2	-0.5

Activation Laboratories Ltd. Work Order: 20642 Report: 20425R

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm
401235	-2	-5	5.8	-50	-0.5	5	55	9	-1	9.4	3	-1	-5	-1	2.62	-44	-15	2.7	38.7	-3	-0.01	-0.05	-0.5	0.5	-0.5
401236	12	-5	4.9	-50	-0.5	7	68	1080	-1	7.19	-1	1	-5	-1	0.29	498	-15	2.5	34.1	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401251	269	-5	41900	-120	-0.5	-1	29	-5	-1	3.85	-1	32	-5	-1	0.61	50	-15	-2.6	0.4	-5	0.08	-0.05	-0.5	-1.5	-1.2
401252	5	-5	42.8	230	-0.5	-1	9	72	2	4.7	3	-1	-5	-1	3.88	-42	-15	3.3	9.6	-3	-0.01	-0.05	-0.5	4	2
401253	9	-5	21.5	400	-0.5	-1	15	147	-1	6.32	3	-1	-5	-1	3.13	-42	-15	2.2	10.4	-3	-0.01	-0.05	1	3.1	-0.5
401254	42	-5	9.7	-50	7.4	-1	268	84	-1	28.7	-1	-1	-5	-1	0.13	114	-15	1.4	1.6	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401255	-2	-5	125	300	-0.5	1	59	21	2	26.5	2	-1	-5	-1	1.25	220	42	3.5	3.9	-3	-0.01	-0.05	-0.5	2.9	1.2
401256	-2	-5	61.1	120	2.5	-1	11	34	-1	8.71	-1	-1	-5	-1	0.28	-22	-15	2.2	5.4	-3	-0.01	-0.05	-0.5	0.9	-0.5
401257	-2	-5	6.9	-50	21.3	-1	20	25	2	4.15	3	-1	-5	-1	4.21	89	-15	0.6	6.5	-3	-0.01	-0.05	-0.5	4.8	-0.5
401258	2	-5	4.2	-50	0.7	-1	2	57	-1	0.71	-1	-1	-5	-1	0.03	-20	-15	2.3	0.2	-3	0.01	0.05	-0.5	-0.2	-0.5
401259	39	-5	25	-50	-0.5	2	3	15	-1	17.1	-1	-1	-5	-1	0.07	-23	-15	0.4	1	-3	-0.01	0.05	-0.5	0.2	-0.5
401260	66	-5	4	-50	-0.5	2	9	20	-1	9.28	-1	-1	-5	-1	0.07	-20	-15	0.7	1.7	-3	0.01	0.05	-0.5	0.4	-0.5
401261	155	-5	3.7	-50	1.7	-1	10	47	-1	2.19	-1	-1	-5	-1	0.23	-20	-15	0.6	4.6	-3	-0.01	0.05	-0.5	-0.2	-0.5
401262	116	-5	2.8	-50	-0.5	4	15	27	-1	19.7	2	-1	-5	-1	0.27	-25	-15	0.7	5.2	-3	-0.01	0.05	0.8	0.7	-0.5
401263	23	-5	3	-50	0.9	2	2	16	-1	5.22	-1	-1	-5	-1	0.1	-20	-15	0.2	0.9	-3	-0.01	-0.05	-0.5	0.2	-0.5
401264	53	-5	4	-50	0.9	-1	5	23	-1	8.92	-1	-1	-5	-1	0.05	-20	-15	0.5	0.9	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401265	38	-5	75.5	68	-0.5	-1	5	-5	-1	11.1	-1	-1	-5	-1	0.63	-24	-15	0.2	3	-5	-0.01	-0.05	-0.5	1.1	-0.5
401266	38	-5	163	1600	-0.5	-1	90	44	2	16.7	2	-1	-5	3	0.85	-32	72	8.8	5.8	-3	-0.01	-0.05	-0.5	2.3	-0.5
401267	82700	36	33	-50	8.4	-1	70	47	-1	9.52	-1	-1	-5	-1	0.13	62	-15	4.1	6.3	-3	-0.02	-0.05	-0.5	-0.2	-0.5
401268	1520	12	20.8	620	8.2	-1	24	180	-1	9.32	2	-1	-5	271	1.2	-36	82	2.2	29.3	-3	-0.01	-0.05	-0.5	0.5	1
401269	640	21	128	230	10.4	-1	2	17	-1	3.69	2	3	-5	4	1.97	-25	37	4.9	1.9	6	-0.01	-0.05	-0.5	1.8	-0.5
401270	1380	-5	15.7	96	9.4	7	22	27	-1	5.11	-1	-1	-5	68	0.19	-20	-15	35	4.5	-3	-0.01	-0.05	-0.5	-0.2	-0.5
401271	1060	-5	11	490	3.3	7	42	100	-1	7.39	2	-1	-5	27	0.39	59	72	2.9	27.6	-3	-0.01	-0.05	-0.5	0.7	0.9
401271(PULP DUP)	900	-5	12.4	390	3.2	7	44	150	-1	7.52	1	-1	-5	29	0.38	61	70	2.9	25.7	-3	-0.01	-0.05	-0.5	0.6	0.9
401272	27300	21	16.7	-50	13.2	-1	5	14	-1	2.38	-1	-1	-5	3	0.02	-20	-15	6.8	0.1	-3	0.01	0.05	-0.5	-0.2	-0.5
401273	1650	16	22.1	-50	35.6	-1	42	23	-1	5.17	-1	60	-5	19	0.16	-20	-15	1.8	1.8	-3	-0.01	-0.05	-0.5	0.4	-0.5
401274	284	-5	2.1	-50	4.6	-1	4	16	-1	14	-1	-1	-5	7	0.16	-20	-15	0.2	1.3	26	-0.01	-0.05	-0.5	-0.2	-0.5
401275	421	-5	4.1	-50	-0.5	-1	1400	20	-1	26.5	-1	-1	-5	-1	0.04	300	-15	-0.1	1.8	22	-0.01	-0.05	-0.5	-0.2	-0.5
401276	127	-5	2.5	-50	5.9	-1	330	31	-1	11.2	-1	-1	-5	11	0.43	128	-15	0.5	4.2	10	-0.01	-0.05	-0.5	-0.2	-0.5
401277	32	-5	7.9	-50	3.6	-1	12	34	-1	1.87	-1	-1	-5	-1	0.12	-20	-15	2.7	1.7	-3	-0.01	-0.05	-0.5	0.2	-0.5
401278	12	-5	2.3	150	2.3	-1	6	36	-1	1.71	1	-1	-5	-1	1.66	-21	-15	0.5	0.9	-3	-0.01	-0.05	-0.5	2.7	-0.5
401279	7180	7	43.7	-50	118	-1	2	24	-1	3.25	-1	2	-5	658	0.02	-20	-15	195	0.4	4	-0.02	-0.05	-0.5	-0.2	-0.5
401280	172	-5	9.1	-50	21.7	-1	8	34	-1	2.23	-1	-1	-5	6	0.01	-20	-15	2.9	0.2	-3	-0.01	0.05	-0.5	-0.2	-0.5
401281	9	-5	6	-50	83.3	-1	13	29	-1	2.7	-1	-1	-5	-1	0.41	-20	-15	10	4.6	-3	0.01	-0.05	-0.5	-0.2	-0.5
401282	78	10	36.1	-50	49.4	-1	10	22	-1	3.24	-1	-1	-5	3	0.03	-20	-15	5.1	0.5	-3	-0.01	0.05	-0.5	-0.2	-0.5
401283	368	-5	27.7	210	2.8	7	30	40	-1	5.04	2	-1	-5	-1	0.41	-20	55	1.1	17.1	-3	-0.01	0.05	-0.5	0.7	-0.5
401284	13	-5	55	-50	-0.5	8	95	113	7	7.1	-1	-1	-5	-1	0.83	98	-15	2.8	11.9	-3	-0.03	0.05	7.3	133	10.2
401285	236	-5	44.3	590	-0.5	-1	117	108	2	16.7	3	-1	-5	21	0.4	126	139	5.5	35.4	-3	-0.01	0.05	-0.5	-0.2	-0.5
401401	3160	17	26600	-250	-2	-1	49	115	5	12.6	-1	-1	-5	-1	0.08	137	-15	-1.9	20.1	-5	0.1	0.05	-0.5	6.1	-3.1
401402	20	-5	152	-50	28	-1	32	23	-1	4.08	2	-1	-5	-1	0.19	-20	-15	2.4	3.3	-3	-0.01	-0.05	-0.5	0.5	-0.5
401403	3870	13	384	300	4.2	-1	3	123	1	9.85	3	-1	-5	-1	1.12	-36	53	3.6	29.7	-3	-0.02	-0.05	-0.5	1.3	-0.5
401403(PULP DUP)	3910	13	385	260	4.8	-1	3	175	-1	10	3	-1	-5	-1	1.16	-38	54	3.5	30.2	-3	-0.02	0.05	-0.5	1.3	-0.5
328060	-2	-5	3.9	240	-0.5	3	3	117	-1	2.63	3	-1	-5	-1	5.07	-53	-15	0.4	0.6	-3	-0.01	-0.05	-0.6	15	-0.5
328061	-2	-5	2.1	190	-0.5	4	39	28	3	28.9	8	-1	-5	-1	1.02	-46	31	0.3	39.8	-3	-0.01	0.05	-0.5	-0.2	-0.5
328062	-2	-5	-0.5	190	1.5	-1	3	77	-1	1.75	2	-1	-5	-1	2.67	-26	-15	-0.1	5.3	-3	-0.01	-0.05	-0.5	6.1	1.2
328063	-2	-5	1.5	-50	-0.5	2	2	62	-1	0.72	-1	-1	-5	-1	2.37	-23	-15	-0.1	0.2	-3	-0.01	-0.05	-0.5	9.3	-0.5
328064	-2	-5	3.4	-50	-0.5	2	6	179	-1	1.4	5	-1	-5	-1	3.69	-40	-15	-0.1	0.6	-3	-0.01	-0.05	-0.5	3.9	1.9
DMMAS-14-2153	597	-5	2440	480	2.7	9	69	140	-1	8.39	2	-1	-5	-1	0.77	-30	45	11.2	19.8	-3	-0.01	-0.05	-0.5	1.4	-0.5
DMMAS-14-2179	560	-5	2370	430	2.8	8	67	123	2	8.19	2	-1	-5	-1	0.74	-35	56	11.2	18.9	-3	0.02	0.07	-0.5	1.4	-0.5
DMMAS-14-2180	567	-5	2490	430	3	9	70	140	-1	8.45	2	-1	-5	-1	0.76	-38	50	11.2	19.8	-3	-0.02	-0.05	-0.5	2.2	-0.5

Activation Laboratories Ltd. Work Order: 20642 Report: 20425R

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm
DMMAS-14-2182	595	-5	2480	420	3.5	9	71	137	-1	8.4	2	-1	-5	-1	0.76	-40	-15	11.5	19.5	-3	-0.02	-0.05	-0.5	1.5	-0.5
DMMAS-14-2189	564	-5	2440	440	2.7	9	70	133	3	8.48	2	-1	-5	-1	0.8	-31	41	12.1	20	-3	-0.02	-0.05	-0.5	1.4	-0.5
DMMAS-14-2191	562	-5	2460	390	3.5	8	69	130	2	8.35	3	-1	-5	-1	0.76	170	41	11.6	19	-3	-0.03	-0.05	-0.5	1.6	-0.5
DMMAS-14-2186	559	-5	2470	410	3.4	9	71	132	-1	8.69	3	-1	-5	5	0.78	281	50	12.1	20.6	-3	-0.02	-0.05	-0.5	1.6	-0.5
Accepted Value DMMAS-14	590±60		2450±70	450±70	2.8±1.0	8.5±1	70.7±10	141±16		8.64±0.8	2.5±1				0.79±0.10		45±10	11.7±1.1	20.5±2.1					1.4±1.0	

Activation Laboratories Ltd. Work Order: 20642 Report: 20425R

Sample ID	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
328123	-1	-50	10.5	19	-5	2	0.5	-0.5	0.5	0.08	29.8
328124	4	-50	7.8	21	11	3.6	1	-0.5	3.6	0.57	31.42
328125	-1	180	7.1	12	-5	2.2	0.4	-0.5	1.1	0.15	30.53
328126	-1	-50	1.1	-3	-5	0.3	-0.2	-0.5	0.3	0.06	29.11
328127	-1	-50	7.8	16	9	2.6	0.7	-0.5	2.2	0.33	31.16
328128	-1	-50	7.4	18	7	2.2	0.5	-0.5	1.7	0.25	24.6
328129	-1	169	3.1	7	-5	1	0.3	-0.5	1.3	0.24	26.81
328130	-1	174	2.9	10	-5	1	-0.2	-0.5	1.2	0.19	27.19
328131	2	66	3.8	6	-5	0.8	0.4	-0.5	0.7	0.11	28.09
328141	-1	-50	16	32	12	2.5	0.5	-0.5	1.1	0.16	26.59
328173	-1	75	2	5	-5	1	0.3	0.5	0.8	0.13	30.05
328174	-1	199	1.3	-3	-5	0.5	-0.2	0.5	0.5	0.07	32.54
328175	-1	69	7.7	14	8	1	0.3	-0.5	0.7	0.11	30.98
328176	-1	51	10.9	18	-5	1.7	0.4	-0.5	0.5	0.09	31.89
328177	-1	-50	16	29	9	2.6	0.6	-0.5	0.9	0.14	29.12
328178	-1	-50	2.2	4	-5	0.4	-0.2	-0.5	0.6	0.09	28.09
328179	-1	146	8.3	19	11	3.4	0.6	0.8	3.8	0.54	29.71
328180	2	-50	1.4	-3	-5	0.4	-0.2	-0.5	0.4	0.06	30.18
328181	-1	129	2.1	4	-5	0.5	0.3	-0.5	0.5	0.09	30.43
328182	-1	-50	8	15	8	1.4	0.3	-0.5	0.9	0.14	28.26
328183	-1	122	0.9	-3	-5	0.3	0.3	-0.5	0.4	0.07	27.39
328184	-1	-50	0.9	-3	-5	0.2	-0.2	-0.5	-0.2	-0.05	30.43
328185	-1	158	1	-3	-5	0.3	0.2	-0.5	0.5	0.08	32.95
328186	-1	336	2.3	4	-5	0.7	0.5	-0.5	1.3	0.22	30.71
328190	-1	150	7.9	19	12	3.5	1.2	0.9	3.3	0.5	30.37
328191	-1	-50	14.4	28	11	2.2	0.8	-0.5	0.5	0.08	25.65
328192	-1	81	5	10	5	1	0.5	-0.5	1.1	0.16	31.57
328193	2	-50	3	6	-5	0.7	0.3	-0.5	0.5	0.09	27.6
328194	-1	89	5.2	12	7	1.4	0.5	-0.5	1.5	0.24	28.96
401159	-1	-50	4.3	7	-5	0.3	-0.2	-0.5	-0.2	-0.05	28.39
401159(PULP DUP)	-1	-50	4.6	8	-5	0.4	-0.2	-0.5	-0.2	-0.05	26.73
401160	-1	129	1.9	3	-5	0.5	0.3	-0.5	0.6	0.1	29.39
401161	2	88	1.8	4	-5	0.5	0.3	-0.5	0.6	0.09	30.48
401162	-1	91	5.5	9	-5	0.9	0.3	-0.5	0.9	0.14	32.12
401163	-1	-50	0.7	-3	-5	0.3	-0.2	-0.5	0.3	-0.05	29.44
401164	-1	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	31.84
401165	-1	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	31.28
401166	-1	-50	-0.5	-3	-5	0.1	-0.2	-0.5	0.2	-0.05	29.28
401167	23	199	4.1	7	-5	1	0.4	-0.5	0.8	0.13	31.16
401168	752	268	3.5	7	7	1.5	0.4	0.8	1.2	0.18	28.16
401169	-1	971	4.7	8	-5	0.5	-0.2	-0.5	0.3	-0.05	32.69
401170	122	327	3.1	6	-5	1.1	0.4	-0.5	1.2	0.18	29.59
401171	2	205	14.5	28	13	2.6	0.7	-0.5	1.1	0.17	27.94
401172	2	-50	11	22	9	2.9	0.5	-0.5	0.7	0.12	28.56
401173	-1	-50	16.6	30	14	3.3	0.9	-0.5	1	0.16	28.35
401174	-1	100	15.2	25	14	3.2	0.8	-0.5	1.9	0.29	23.16
401175	-1	81	21.5	40	14	4.6	1	-0.5	3	0.45	28.85
401176	-1	-50	14.6	30	14	2.8	0.8	-0.5	1.4	0.21	27.55
401177	-1	-50	4.1	10	-5	0.9	0.4	-0.5	1.4	0.2	29.2
401178	-1	-50	2.2	3	-5	0.6	0.2	-0.5	0.7	0.11	28.92

Activation Laboratories Ltd. Work Order: 20642 Report: 20425R

Sample ID	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
401179	-1	58	5.2	17	5	1.5	1.1	0.9	11.2	1.68	46.61
401179(PREPDUP)	-1	57	5.1	16	-5	1.4	1.2	0.9	10.6	1.63	44.89
401180	-1	-50	18.7	37	17	3	0.9	-0.5	1.2	0.19	25.25
401181	-1	145	21.9	44	19	6	1.6	0.9	4	0.6	30.91
401182	-1	211	9	21	8	4.4	1.4	0.9	4.2	0.62	26.36
401183	-1	183	9.1	18	10	2.8	0.8	-0.5	1	0.14	31.6
401184	19	209	6.1	13	-5	2.4	0.8	-0.5	2.1	0.34	29.31
401185	-1	119	4.7	14	-5	2.4	0.8	-0.5	2.1	0.34	23.72
401186	-1	121	2.7	7	-5	0.7	0.4	-0.5	2.1	0.34	30.93
401187	-1	114	1.8	-3	-5	0.4	-0.2	-0.5	0.3	0.05	28.68
401188	-1	120	7.5	18	12	3.8	1.2	0.6	4	0.62	25.7
401189	-1	144	16.5	32	17	4.9	1.5	0.8	3.4	0.51	27.84
401189(PULP DUP)	-1	135	16.4	33	15	4.7	1.4	0.8	3.5	0.52	27.23
401190	-1	-50	1.5	-3	-5	0.3	-0.2	-0.5	0.3	-0.05	29.66
401191	20	86	20	36	12	3.8	1.3	-0.5	2.7	0.42	25.91
401192	3	-50	18.5	33	14	2.6	0.7	-0.5	1.1	0.17	25.61
401193	4	155	76.5	132	52	8.6	1.8	-0.5	1.5	0.18	24.77
401194	-1	102	27	40	10	4.2	1	0.9	1	0.17	26.92
401195	-1	-50	4	8	-5	0.6	-0.2	-0.5	0.7	0.12	23.75
401196	-1	-50	3	5	-5	0.6	-0.2	-0.5	0.8	0.14	22.16
401197	-1	114	2.5	5	-5	0.6	0.3	-0.5	0.7	0.11	30.41
401198	-1	123	4.4	8	-5	2	0.5	-0.5	1.4	0.21	23.87
401199	-1	-50	2.7	-3	-5	1.1	-0.2	-0.5	1.3	0.2	22.28
401200	11	591	5.6	12	-5	2.4	-0.2	-0.5	2.7	0.44	24.64
401209	-1	210	8	18	13	1.4	0.5	-0.5	1.1	0.15	26.84
401210	-1	108	5.7	10	-5	2.2	-0.2	-0.5	2.3	0.36	29.57
401211	-1	-50	10.5	29	22	6.5	2	-0.5	6.1	0.95	29.75
401212	-1	126	1.8	-3	8	1.1	0.5	-0.5	0.9	0.12	28.5
401213	-1	221	0.6	-3	-5	0.4	-0.2	-0.5	-0.2	-0.05	33.06
401214	-1	88	1.6	-3	-5	0.9	-0.2	-0.5	0.9	0.16	32.13
401215	-1	-50	1.9	5	-5	1.4	0.6	-0.5	1.1	0.17	29.06
401216	-1	-50	0.5	-3	-5	0.4	0.2	-0.5	0.4	0.06	27.98
401217	-1	-50	1	-3	-5	0.6	0.3	-0.5	0.7	0.11	29.17
401218	-1	200	3.8	8	-5	1.2	0.6	-0.5	1.4	0.2	29.44
401219	-1	-50	0.7	-3	-5	0.1	-0.2	-0.5	-0.2	-0.05	28.4
401220	-1	104	11.6	18	-5	2	0.5	-0.5	1.2	0.18	34.42
401221	2	87	1.2	-3	-5	0.9	-0.2	-0.5	1.2	0.19	26.87
401222	2	297	12.2	20	-5	2.4	0.4	-0.5	1.4	0.21	29.88
401223	3	122	12.7	19	11	2.5	0.5	-0.5	1.6	0.24	31.68
401224	-1	130	7.8	11	6	1.3	-0.2	-0.5	0.9	0.14	36.62
401225	-1	263	8.3	15	5	1.9	0.3	-0.5	1.9	0.28	21.63
401226	-1	101	0.8	4	-5	0.6	0.3	-0.5	0.8	0.12	21.36
401227	-1	-50	1.9	4	-5	0.9	-0.2	-0.5	0.9	0.14	28.28
401228	-1	-50	20.7	33	17	4.2	1	-0.5	2.4	0.37	24.99
401229	-1	196	27.8	51	19	5.2	1	0.6	3	0.45	20.43
401230	-1	-50	9.6	19	-5	1.6	0.2	-0.5	0.6	0.09	30.74
401231	-1	-50	3.8	7	5	2	0.7	-0.5	2	0.33	24.73
401232	-1	-50	9.4	20	11	3.8	0.5	0.6	5.8	0.87	26.97
401233	-1	159	12	31	29	8.5	2.3	1.4	7.8	1.25	26.76
401234	-1	-50	0.6	-3	-5	0.2	-0.2	-0.5	-0.2	-0.05	25.98

Activation Laboratories Ltd. Work Order: 20642 Report: 20425R

Sample ID	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
401235	-1	161	4.4	16	9	4.3	1.7	0.9	4.5	0.64	27.55
401236	-1	105	1.3	4	7	0.8	0.3	-0.5	0.7	0.1	25.21
401251	-1	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.3	-0.05	29.12
401252	-1	129	27.4	48	24	4.5	1.2	-0.5	0.9	0.15	24.87
401253	3	65	24.3	41	13	3.2	1	-0.5	0.9	0.11	22
401254	-1	-50	2	4	-5	0.4	-0.2	-0.5	-0.2	-0.05	28.89
401255	-1	96	10.8	20	-5	1.6	-0.2	-0.5	0.5	0.09	26.77
401256	-1	189	5.9	12	-5	1.3	0.4	-0.5	0.8	0.09	27.26
401257	-1	-50	24.8	42	19	4.3	1.2	-0.5	0.6	0.09	27.88
401258	-1	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	30.65
401259	-1	105	1.4	-3	-5	0.3	0.3	-0.5	0.6	0.09	28.9
401260	-1	71	1.6	4	-5	0.5	0.3	-0.5	0.6	0.1	29.78
401261	-1	-50	1.3	3	-5	0.6	-0.2	-0.5	0.3	0.05	27.69
401262	-1	163	2.5	5	-5	0.9	0.5	-0.5	1.2	0.2	31.75
401263	-1	110	0.5	-3	-5	0.3	0.2	-0.5	0.8	0.11	29.89
401264	-1	61	1	3	-5	0.3	-0.2	-0.5	0.4	0.07	29.79
401265	-1	80	4.2	7	-5	0.7	0.3	-0.5	0.5	0.07	26.18
401266	-1	-50	17.3	29	6	2.3	0.3	-0.5	0.7	0.13	25.64
401267	-1	-50	1.2	-3	-5	0.4	-0.2	-0.5	0.5	0.08	30.91
401268	6	82	3.5	9	-5	1.4	0.4	-0.5	1.3	0.2	25.25
401269	-1	211	6.8	12	-5	1	0.3	-0.5	0.2	-0.05	27.4
401270	-1	-50	2.7	5	-5	0.9	0.8	-0.5	0.6	0.1	33.08
401271	7	88	7.4	16	-5	2.5	1.4	-0.5	2	0.29	28.63
401271(PULP DUP)	7	82	7.8	16	-5	2.7	1.5	-0.5	1.9	0.31	24.99
401272	-1	-50	-0.5	-3	-5	0.1	-0.2	-0.5	-0.2	0.06	27.09
401273	-1	-50	0.8	-3	-5	0.3	-0.2	-0.5	-0.2	0.05	30.05
401274	-1	-50	-0.5	-3	-5	0.1	-0.2	-0.5	2.5	0.33	28.64
401275	12	-50	-0.5	-3	-5	0.2	-0.2	-0.5	0.7	0.1	32.83
401276	1100	-50	-0.5	-3	-5	0.2	-0.2	0.5	0.6	0.08	29.3
401277	-1	-50	-0.5	-3	-5	0.2	-0.2	-0.5	-0.2	-0.05	30.31
401278	-1	-50	13.1	20	7	1.3	0.3	-0.5	0.2	-0.05	27.33
401279	-1	88	-0.5	-3	-5	0.1	-0.2	-0.5	-0.2	-0.05	33.9
401280	-1	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	29.46
401281	-1	-50	1.1	-3	-5	0.6	-0.2	-0.5	0.4	0.06	30.76
401282	3	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	31.04
401283	5	62	4.6	13	7	2.2	0.8	-0.5	2.4	0.38	27.72
401284	-1	-50	789	1460	527	47.1	9.4	-0.5	5.8	0.85	28.43
401285	84	-50	6.6	15	-5	2.5	0.9	-0.5	3	0.5	31.99
401401	-1	3000	7.6	-10	-5	1.9	0.5	-0.5	-0.5	-0.09	31.37
401402	-1	154	4.9	14	8	2.6	0.6	-0.5	3.3	0.57	29.71
401403	8	419	9.8	23	12	3.6	1.2	-0.5	3.3	0.52	27.12
401403(PULP DUP)	8	446	10	21	14	3.5	1.3	-0.5	3.4	0.53	24.22
328060	-1	-50	35.3	62	23	4.4	0.9	-0.5	0.8	0.13	23.36
328061	-1	358	2.7	7	-5	2.3	1.6	-0.5	2.3	0.37	32.94
328062	-1	-50	13.6	24	7	1.5	0.3	-0.5	0.4	0.06	26.52
328063	-1	-50	27.1	44	16	2.1	0.5	-0.5	-0.2	-0.05	25.96
328064	-1	-50	10.4	16	-5	1.3	0.6	-0.5	1	0.15	23.91
DMMAS-14-2153	18	219	13	25	10	4.2	1.3	0.9	3.3	0.51	25.54
DMMAS-14-2179	15	177	11.3	22	9	3.8	1.2	-0.5	3	0.46	25.81
DMMAS-14-2180	17	287	11.5	23	12	4	1.2	-0.5	3.1	0.53	25.21

Activation Laboratories Ltd. Work Order: 20642 Report: 20425R

Sample ID	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
DMMAS-14-2182	19	236	13.1	19	-5	4	1.1	0.6	3.2	0.55	25.65
DMMAS-14-2189	18	246	13.3	22	11	3.9	1.1	0.6	3.6	0.54	25.96
DMMAS-14-2191	18	237	13	20	11	4	1.3	1	3.6	0.54	25.01
DMMAS-14-2186	17	290	13.2	21	13	4.1	1.3	1	3.5	0.52	25.35
Accepted Value-DMMAS-14	18±4	255±60	13.4±1	24±2	12±2	4.0±0.4	1.3±0.2	1.0±0.4	3.6±0.2	0.54±0.03	

Activation Laboratories Ltd. Work Order No. 20642 Report No. 20425B

'Near Total' Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Br	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
328123	-0.3	-0.3	13	429	2	7	4	30	11.00	-1	2	0.58	1.14	0.12	0.028	186	0.09	31	9	0.105
328124	0.6	1.1	893	1696	142	32	-3	50	4.60	-1	5	6.99	1.53	1.33	0.043	201	0.47	190	30	3.882
328125	-0.3	0.8	220	1050	4	42	-3	131	3.89	-1	-2	0.25	0.04	1.95	0.038	35	0.58	165	15	0.063
328126	-0.3	0.7	49	421	2	7	-3	27	0.37	-1	-2	1.33	0.02	0.20	0.004	24	0.03	15	2	0.014
328127	-0.3	-0.3	1297	1227	5	81	-3	81	2.98	-1	3	3.57	0.16	0.97	0.028	96	0.33	116	18	4.595
328128	1.0	0.8	791	386	6	23	-3	25	1.10	-1	2	0.11	0.01	0.26	0.011	18	0.06	15	12	1.589
328129	0.4	0.5	209	305	4	59	27	132	5.95	-1	4	0.07	1.35	1.11	0.039	50	0.36	101	5	2.916
328130	0.5	1.0	224	284	4	62	18	132	4.54	-1	5	0.05	1.24	1.04	0.038	47	0.35	96	4	3.560
328131	-0.3	0.4	66	226	3	5	-3	43	3.99	-1	2	0.01	1.63	0.56	0.034	32	0.15	54	4	0.083
328141	0.8	1.3	87	193	1	67	35	61	4.81	-1	-2	0.19	1.99	0.43	0.030	68	0.15	30	9	12.236
328173	5.6	1.1	599	400	18	84	7	76	1.60	-1	11	0.65	0.04	0.92	0.012	21	0.18	64	8	4.839
328174	42.3	5.0	34720	151	3	132	9	187	0.16	-1	4	0.10	0.01	0.14	-0.001	5	0.02	8	6	8.700
328175	0.6	1.6	244	868	1	122	-3	60	0.65	-1	9	0.69	0.06	0.61	0.024	20	0.03	9	5	9.949
328176	1.6	0.6	615	149	4	95	3	42	3.80	1	13	0.70	0.49	0.52	0.035	163	0.17	43	4	12.952
328176/R	1.3	0.7	614	154	2	95	-3	41	4.34	1	17	0.64	0.51	0.55	0.034	153	0.16	41	5	13.532
328177	0.4	0.3	109	142	2	44	5	36	3.85	1	3	0.44	1.44	0.52	0.032	122	0.21	68	6	4.103
328178	-0.3	-0.3	96	131	3	9	-3	27	4.67	-1	-2	0.24	1.78	1.05	0.002	35	0.14	92	4	1.195
328179	-0.3	0.8	162	1244	1	21	6	111	1.07	-1	2	9.08	0.08	1.83	0.027	195	0.23	90	28	0.314
328180	-0.3	0.4	75	415	2	20	-3	18	0.49	-1	-2	1.17	0.05	0.34	0.005	21	0.05	36	3	0.129
328181	-0.3	1.2	79	2025	1	7	4	107	1.46	-1	-2	1.03	0.37	1.44	0.023	26	0.06	17	4	0.047
328182	-0.3	-0.3	22	200	1	1	-3	53	7.86	-1	-2	0.43	1.58	0.81	0.015	82	0.21	50	7	0.064
328183	-0.2	0.9	23	1311	-1	5	-3	119	0.53	1	3	0.71	0.03	1.14	0.014	5	0.02	9	4	0.043
328184	-0.3	-0.3	12	123	-1	13	-3	16	0.25	-1	-2	0.15	0.03	0.31	0.001	1	0.02	15	-1	0.011
328185	-0.3	-0.3	25	774	-1	4	-3	139	0.78	-1	-2	0.54	0.03	1.09	0.015	5	0.08	28	3	0.040
328186	-0.3	1.9	45	2385	1	13	-3	297	0.39	-1	-2	1.04	0.03	2.45	0.046	9	0.02	23	10	0.034
328190	0.5	0.6	3335	1243	8	70	5	126	2.99	-1	-2	0.54	0.01	1.76	0.045	13	0.74	200	15	3.137
328191	-0.3	0.6	15	1817	2	24	-3	38	0.65	-1	-2	0.88	-0.01	0.51	0.037	14	0.05	25	4	0.022
328192	-0.3	-0.3	139	979	3	10	-3	80	1.60	-1	-2	0.12	-0.01	1.33	0.041	9	0.07	29	6	0.188
328193	-0.3	0.6	196	630	2	14	-3	35	0.78	-1	-2	0.06	0.02	0.29	0.038	5	0.03	13	4	0.235
328193/R	-0.3	0.9	197	663	1	14	-3	30	0.69	-1	-2	0.05	0.01	0.28	0.038	4	0.03	13	3	0.237
328194	-0.3	1.2	112	867	4	10	-3	83	1.49	-1	-2	0.06	0.20	0.34	0.018	10	0.11	38	8	0.154
401159	-0.3	-0.3	108	127	-1	4	-3	22	0.07	-1	-2	0.07	-0.01	0.11	0.007	2	0.01	8	-1	0.043
401159 (PULP DUP)	-0.3	-0.3	110	228	2	7	-3	38	0.11	-1	-2	0.12	-0.01	0.23	0.013	3	0.01	8	-1	0.059
401160	-0.3	0.3	46	1348	1	5	-3	120	0.59	-1	3	1.31	0.11	1.32	0.028	8	0.03	11	5	0.078
401161	-0.3	0.4	41	205	2	2	4	67	3.01	-1	-2	0.59	0.89	0.65	0.015	57	0.18	86	2	0.099
401162	-0.3	-0.3	158	182	2	55	3	68	4.38	-1	-2	0.06	1.18	1.76	0.028	96	0.25	91	5	0.392
401163	-0.3	0.7	16	292	1	25	6	19	0.38	-1	-2	1.33	0.02	0.30	0.008	27	0.09	15	2	0.011
401164	-0.3	0.4	78	37	1	6	4	25	0.01	-1	-2	0.05	-0.01	-0.01	-0.001	2	-0.01	-2	-1	0.036
401165	-0.3	0.8	1507	158	2	11	-3	16	0.07	-1	-2	0.17	0.03	0.01	0.001	10	-0.01	6	-1	0.241
401166	0.4	-0.3	625	142	-1	22	-3	14	0.22	-1	2	0.62	0.02	0.06	0.003	10	-0.01	3	-1	0.039
401167	6.3	2.1	10970	323	11	239	-3	199	3.89	-1	7	2.83	0.23	0.35	0.027	117	0.31	66	4	8.308
401168	8.1	3.1	19560	372	9	30	3	268	4.69	-1	3	3.12	0.30	0.50	0.041	93	0.42	101	11	2.732
401169	39.2	11.8	92470	216	14	223	20	1039	1.03	-1	-2	0.77	0.04	1.10	-0.001	10	0.06	42	1	12.688
401170	21.0	4.2	51960	332	5	60	9	303	4.22	-1	-2	2.83	0.50	0.57	0.008	86	0.38	100	7	6.105
401171	-0.3	-0.3	506	375	4	83	11	158	6.88	1	-2	0.96	0.81	3.76	0.044	147	0.22	71	8	1.712
401172	-0.3	-0.3	172	55	3	23	4	8	4.18	1	-2	0.47	1.12	0.17	0.008	73	0.02	7	6	0.466
401173	-0.3	-0.3	84	434	2	84	-3	47	5.43	-1	4	1.51	1.05	0.90	0.059	274	0.30	75	8	1.061
401174	-0.3	-0.3	1013	217	2	186	-3	34	6.76	-1	-2	1.58	0.84	1.24	0.037	146	0.30	77	15	2.976

Clients are advised to obtain assays for Ag>100 ppm and Pb>5000 ppm due to potential solubility problems.

Values for Cu, Ni, Zn, Mo greater than 1% should be assayed if accuracy better than +/-10-15% is required.

Values above 1% are for informational purposes only and should not be relied upon for promotional or ore reserve calculations. Assays are recommended for this purpose.

Sulphur will precipitate in samples containing massive sulphides.

Adrienne I. Rittau, B.Sc., C.Chem
ICP Technical Manager

Activation Laboratories Ltd. Work Order No. 20642 Report No. 20425B

'Near Total' Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
401175	-0.3	-0.3	225	571	5	75	4	47	4.64	2	-2	4.45	0.81	1.12	0.014	1288	0.23	90	22	1.345
401176	-0.3	-0.3	304	275	2	80	-3	43	5.32	-1	-2	1.94	0.77	1.52	0.039	190	0.30	74	10	0.994
401177	-0.3	0.8	1295	748	-1	97	-3	33	0.98	-1	-2	0.18	-0.01	0.37	0.042	7	0.03	32	11	4.940
401178	-0.3	0.7	512	787	1	19	-3	23	0.49	-1	3	0.26	-0.01	0.19	0.028	4	0.01	16	5	0.297
401179	-0.3	2.3	293	6904	3	55	-3	25	3.58	-1	-2	2.16	-0.01	0.27	0.078	8	0.28	64	25	3.452
401179/R	-0.3	1.2	288	6779	3	59	-3	26	2.82	-1	4	2.00	-0.01	0.24	0.080	8	0.28	64	19	3.484
401179 (PREP DUP)	-0.3	1.5	229	7049	6	52	-3	28	3.77	-1	-2	2.26	-0.01	0.28	0.083	8	0.32	64	26	3.114
401180	-0.3	-0.3	39	512	3	36	-3	47	7.17	1	2	0.77	2.18	0.99	0.045	210	0.37	101	7	0.056
401181	-0.3	1.1	176	1737	1	45	-3	77	5.30	1	2	5.41	0.51	2.69	0.075	123	1.16	305	31	0.052
401182	0.3	0.3	103	1305	3	25	-3	124	5.46	-1	-2	5.48	0.16	2.24	0.053	94	0.98	339	31	0.081
401183	-0.3	1.1	7	914	3	62	-3	142	5.25	-1	4	1.12	-0.01	2.57	0.040	10	0.75	261	4	0.005
401184	-0.3	0.9	457	863	4	25	-3	159	4.17	2	2	0.31	0.03	1.93	0.037	10	0.71	241	10	0.601
401185	-0.3	-0.3	30	1538	1	78	-3	86	5.42	-1	6	0.41	0.75	1.62	0.030	119	0.60	246	11	0.010
401186	0.3	0.9	73	2818	3	3	-3	111	2.01	-1	-2	1.32	0.08	1.07	0.038	6	0.09	26	14	0.125
401187	0.3	1.9	118	1268	2	6	-3	95	0.24	-1	2	0.05	0.01	1.05	0.047	5	0.01	8	2	0.038
401188	0.3	0.6	58	1053	2	68	-3	79	5.51	-1	5	4.00	0.30	2.66	0.058	83	1.00	280	28	0.086
401189	0.3	0.3	75	1910	3	45	-3	95	5.01	1	6	3.04	1.29	2.69	0.070	206	0.93	247	30	0.021
401189 (PULP DUP)	-0.3	0.9	104	2080	3	47	-3	99	5.39	1	-2	3.40	1.44	2.93	0.075	230	1.02	260	32	0.031
401190	-0.3	0.6	99	344	1	1	-3	23	0.29	-1	2	0.07	0.04	0.23	0.022	3	0.02	8	-1	0.079
401191	0.6	0.6	138	1779	9	5	6	105	4.61	1	-2	1.86	0.67	1.44	0.032	53	0.30	80	21	0.597
401191/R	9.3	-0.3	142	1894	11	4	5	107	4.84	1	-2	1.90	0.69	1.50	0.034	55	0.31	82	22	0.614
401192	0.3	-0.3	24	205	3	20	4	42	6.06	1	-2	0.80	1.52	0.65	0.025	297	0.22	49	6	0.057
401193	-0.3	-0.3	105	1648	-1	188	-3	118	4.68	-1	-2	7.16	0.01	5.00	0.138	421	0.23	161	13	0.102
401194	-0.3	-0.3	24	643	-1	85	-3	78	7.68	1	-2	0.42	1.43	1.88	0.063	183	0.43	111	13	0.110
401195	0.3	-0.3	31	118	-1	1	-3	22	6.07	1	-2	0.16	2.55	0.62	0.025	79	0.31	99	2	0.085
401196	0.5	-0.3	61	104	6	2	4	22	4.91	-1	-2	0.02	2.31	0.39	0.025	95	0.21	77	2	0.153
401197	0.4	1.1	303	1014	2	32	-3	51	1.18	-1	-2	0.45	0.01	0.82	0.057	5	0.03	13	5	1.540
401198	0.3	-0.3	28	1622	2	111	-3	87	6.53	-1	-2	4.06	0.90	2.65	0.028	93	0.55	251	15	0.028
401199	0.3	-0.3	55	1310	3	52	-3	76	5.60	-1	-2	6.20	0.41	1.85	0.022	91	0.40	186	14	0.055
401200	2.4	3.0	122	628	-1	4	40	574	5.01	1	-2	0.06	1.20	1.36	0.041	39	0.82	247	18	0.276
401209	0.3	1.0	38	226	2	93	4	201	2.73	1	-2	1.25	0.82	1.26	0.088	61	0.09	35	9	0.300
401210	3.4	1.1	1060	665	3	5	10	86	3.80	-1	7	1.79	1.19	1.06	0.012	40	0.10	8	18	4.219
401211	-0.3	1.0	12	1243	-1	5	5	59	5.13	-1	5	2.63	0.56	1.14	0.167	76	0.64	61	45	2.507
401212	0.9	0.5	2575	958	-1	351	6	66	6.42	1	2	5.17	0.02	5.05	0.012	118	0.27	181	7	5.324
401213	26.4	14.5	92480	864	-1	361	34	181	4.26	-1	2	1.51	0.02	4.29	-0.001	25	0.10	96	3	11.967
401214	1.7	1.7	5652	934	-1	3300	-3	69	5.65	-1	4	3.88	0.02	4.12	0.014	74	0.21	162	7	6.260
401215	1.4	0.6	4812	1106	1	196	8	68	6.20	-1	-2	7.60	0.02	3.96	0.014	163	0.40	263	10	0.830
401216	0.6	0.6	2120	427	-1	124	5	32	2.82	-1	-2	1.67	-0.01	2.21	0.013	44	0.12	91	3	0.519
401217	2.0	0.8	7630	726	3	188	4	43	5.08	-1	-2	3.93	0.03	2.74	0.005	132	0.17	150	5	7.225
401218	0.3	0.5	109	776	1	51	10	151	5.09	-1	-2	2.58	0.05	4.05	0.014	71	0.14	200	11	2.715
401219	0.3	1.6	314	13	4	1	-3	1	0.25	-1	-2	0.01	0.11	0.03	0.112	9	0.04	49	1	0.881
401220	1.3	1.8	646	240	29	194	-3	64	1.42	-1	-2	0.18	0.32	0.93	0.062	25	0.04	107	10	15.760
401221	-0.3	1.0	23	1212	2	104	-3	48	5.39	-1	-2	7.96	0.30	2.52	0.008	127	0.22	272	8	2.351
401222	0.8	3.3	1306	130	12	152	4	232	1.47	-1	-2	0.38	0.37	0.62	0.058	20	0.03	86	12	13.014
401222/R	0.8	3.5	1299	132	10	147	12	232	1.42	-1	2	0.37	0.37	0.61	0.056	20	0.04	85	11	11.566
401223	0.5	1.6	321	634	8	121	37	107	1.56	-1	2	0.77	0.28	0.92	0.047	19	0.07	108	13	8.678
401224	1.2	3.0	920	157	15	187	8	112	1.28	-1	2	0.01	0.44	0.69	0.033	9	0.03	80	6	15.502
401225	0.3	0.5	159	948	3	34	16	183	4.55	2	2	0.92	0.25	4.42	0.026	27	0.21	199	11	1.544
401226	-0.3	0.5	41	1018	-1	162	8	54	1.79	-1	2	4.37	0.03	9.20	0.008	9	0.08	115	4	0.358
401227	0.3	-0.3	330	140	-1	41	3	15	2.07	-1	2	0.32	0.05	0.35	0.034	40	0.11	14	6	0.662
401227 (PULP DUP)	0.3	-0.3	641	134	2	31	-3	21	1.73	1	5	0.29	0.04	0.31	0.027	36	0.09	13	5	0.505
401228	0.3	0.6	85	772	12	69	30	77	4.71	2	2	1.41	1.51	1.54	0.051	113	0.09	188	14	3.005
401229	-0.3	0.9	72	226	21	65	22	157	4.57	2	-2	0.24	1.99	0.92	0.031	72	0.23	213	12	2.396

Negative values indicate less than the reporting limit.
99999 indicates greater than 10%.

Activation Laboratories Ltd. Work Order No. 20642 Report No. 20425B

Near Total Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
401230	-0.3	-0.3	36	87	2	6	6	10	0.98	-1	-2	0.31	0.61	0.15	0.016	6	0.11	12	6	0.513
401231	-0.3	-0.3	117	1648	8	4	-3	76	7.26	-1	-2	5.07	0.82	2.85	0.032	143	0.61	379	13	1.108
401232	-0.3	0.3	177	283	3	5	-3	20	3.65	-1	-2	0.81	0.05	0.22	0.014	56	0.15	18	17	0.872
401233	-0.3	0.5	795	1347	5	15	-3	91	5.42	-1	-2	3.91	0.07	1.41	0.147	81	0.83	112	60	1.066
401234	-0.3	0.4	226	367	60	36	-3	29	1.76	-1	-2	0.87	0.22	0.87	0.003	27	0.10	67	1	1.906
401235	-0.3	0.5	361	1408	3	12	-3	84	6.19	-1	-2	4.94	0.49	2.81	0.046	116	1.00	327	38	2.568
401235/R	-0.3	0.6	383	1528	-1	14	4	85	6.55	-1	-2	5.39	0.52	2.99	0.050	129	1.14	375	40	2.729
401236	-0.3	-0.3	83	1152	-1	443	9	61	5.39	-1	-2	9.09	0.10	11.01	0.010	86	0.18	128	6	0.085
401251	-0.3	-0.3	11	34	1	42	22	20	1.02	-1	-2	0.15	0.10	0.04	0.001	75	-0.01	2	1	1.943
401252	-0.3	-0.3	48	266	-1	31	-3	87	6.66	1	-2	1.32	0.72	2.13	0.062	350	0.26	71	9	0.546
401253	-0.3	0.4	77	591	3	19	3	59	6.25	1	5	3.02	1.13	1.56	0.091	353	0.67	135	9	0.730
401254	1.3	1.4	898	125	2	116	-3	17	0.67	-1	-2	0.42	0.08	0.45	0.008	27	0.05	11	1	12.794
401255	1.6	1.0	506	249	3	208	3	85	3.00	-1	4	1.02	0.98	0.25	0.020	124	0.11	24	3	9.767
401256	0.5	1.4	56	356	2	22	8	174	1.60	-1	3	0.68	0.40	0.45	0.017	45	0.13	37	7	3.508
401257	-0.3	-0.3	225	109	5	81	5	44	6.01	1	-2	0.29	0.05	1.72	0.040	243	0.16	48	7	1.486
401258	-0.3	0.4	14	38	2	4	-3	9	0.07	-1	-2	0.03	0.01	0.02	-0.001	2	0.01	2	-1	0.028
401259	-0.3	0.6	27	2610	-1	3	-3	97	0.42	-1	-2	1.71	0.03	1.85	0.025	10	0.02	5	6	0.043
401260	-0.3	0.9	135	1710	3	8	-3	77	0.90	-1	-2	1.81	0.07	0.97	0.023	8	0.03	10	6	0.313
401261	-0.3	-0.3	89	198	1	16	-3	17	0.78	-1	-2	0.17	0.05	0.24	0.008	22	0.11	33	4	0.071
401262	-0.3	0.9	156	5159	2	13	3	162	2.11	-1	-2	4.43	0.13	2.25	0.019	14	0.11	34	10	0.472
401263	-0.3	0.6	23	1425	-1	3	-3	106	0.45	-1	-2	2.06	0.02	1.91	0.012	6	0.02	6	7	0.033
401264	-0.3	-0.3	63	1701	-1	4	-3	66	0.25	-1	4	0.77	0.03	1.23	0.013	4	0.01	6	4	0.059
401265	-0.3	0.4	69	1532	3	5	-3	87	1.65	-1	-2	1.06	0.20	1.09	0.017	52	0.08	17	4	0.168
401266	0.4	0.5	88	117	2	39	14	38	5.73	-1	4	0.16	2.08	0.92	0.024	133	0.16	43	7	13.936
401267	25.5	0.6	10020	93	10	62	-3	47	1.07	-1	18	0.06	0.48	0.13	0.007	14	0.14	48	3	6.226
401268	7.2	0.5	507	303	274	37	-3	33	5.17	1	110	0.60	2.14	0.41	0.025	146	0.58	219	8	0.300
401269	15.7	0.7	390	110	2	9	3	196	4.15	-1	33	0.25	1.15	0.25	0.024	111	0.11	19	2	0.091
401270	1.9	0.6	3436	1210	64	27	-3	28	0.93	-1	16	7.28	0.25	0.50	0.009	102	0.10	33	6	4.241
401271	0.7	0.4	2448	1660	28	54	-3	54	5.75	1	-2	8.52	2.78	1.90	0.042	290	0.71	218	19	2.318
401271 (PULP DUP)	0.9	0.6	2765	1580	29	55	-3	54	5.75	1	-2	7.94	2.54	1.84	0.040	282	0.65	202	19	2.455
401271 (PULP DUP)/R	0.8	0.4	2742	1514	30	56	-3	52	5.52	1	-2	8.03	2.51	1.78	0.039	285	0.64	200	19	2.430
401272	16.0	-0.3	384	111	3	3	5	53	0.07	-1	44	0.09	0.02	-0.01	0.001	4	0.01	2	-1	0.039
401273	12.1	0.3	1819	273	17	29	8	10	1.21	-1	36	0.04	0.56	0.15	0.008	12	0.04	20	2	2.153
401274	2.5	1.1	809	79	8	2	3	1	0.39	-1	-2	0.04	0.05	0.01	0.007	7	0.28	79	12	0.462
401275	2.9	-0.3	10300	105	2	259	-3	17	0.66	-1	6	0.36	0.02	0.17	0.006	13	0.06	30	9	13.492
401276	1.3	-0.3	7721	161	12	121	-3	14	1.64	-1	-2	0.55	0.05	0.41	0.007	20	0.14	50	5	6.017
401277	-0.3	0.6	135	79	2	5	-3	31	0.27	-1	-2	0.05	0.04	0.08	0.005	5	0.11	18	1	0.323
401278	-0.3	-0.3	43	78	3	2	4	16	2.97	2	-2	0.44	0.51	0.14	0.028	94	0.06	11	3	0.201
401279	7.8	0.8	634	19	652	4	6	101	0.15	-1	139	-0.01	0.09	0.01	0.003	8	0.01	2	-1	0.253
401280	0.4	0.3	100	48	10	7	-3	7	0.12	-1	25	0.01	0.07	0.01	0.003	3	0.01	3	-1	0.046
401281	-0.3	0.5	199	140	3	18	7	17	1.00	-1	3	0.28	0.03	0.24	0.010	24	0.15	25	4	0.060
401282	9.1	0.8	180	57	3	9	37	8	0.08	-1	33	0.02	0.01	0.02	0.003	5	0.01	6	-1	0.271
401283	2.8	-0.3	4204	1316	5	29	-3	41	3.53	-1	-2	7.82	1.41	1.61	0.018	148	0.36	131	16	1.202
401284	-0.3	1.0	323	1899	3	90	12	56	2.73	1	-2	15.09	0.93	3.59	1.002	1109	0.14	239	70	1.978
401285	0.8	-0.3	225	200	23	104	-3	15	6.92	2	4	0.31	3.74	0.34	0.050	99	0.96	325	23	11.080
401285/R	0.8	1.0	235	189	23	106	-3	17	6.13	2	12	0.25	3.77	0.32	0.049	79	0.98	329	18	11.270
401401	16.8	25.2	457	2616	-1	6	92	3115	2.65	-1	-2	0.20	0.50	0.98	0.019	12	0.28	158	20	1.512
401402	0.5	0.6	288	1119	3	20	7	164	1.37	-1	-2	0.52	0.06	0.32	0.019	12	0.08	9	25	0.136
401403	13.4	1.0	125	802	4	-1	39	436	10.64	1	6	0.13	3.12	1.06	0.039	63	1.11	344	41	0.190
401403 (PULP DUP)	14.3	1.0	138	803	3	3	43	434	11.10	1	9	0.14	3.03	1.11	0.038	66	1.71	400	45	0.176
328060	-0.3	0.4	44	188	2	4	5	31	3.55	-1	-2	1.75	0.23	0.01	0.006	170	0.05	13	2	0.034
328061	-0.3	2.1	15	3885	2	-1	-3	278	3.34	-1	-2	2.57	0.08	3.26	0.040	74	1.06	2	12	0.039
328062	-0.3	-0.3	39	179	5	10	5	35	5.58	-1	4	1.23	0.18	0.41	0.004	115	0.11	35	2	0.023

Negative values indicate less than the reporting limit
99999 indicates greater than 10%

Activation Laboratories Ltd. Work Order No. 20642 Report No. 20425B

"Near Total" Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
328063	-0.3	-0.3	49	38	1	2	3	8	3.27	-1	-2	1.92	0.11	-0.01	0.006	192	0.03	5	-1	0.074
328064	-0.3	-0.3	167	101	2	4	4	9	3.76	-1	-2	1.51	0.17	0.04	0.016	185	0.07	8	2	0.126
G-2 cert	0.04	0.016	11	232	(1.1	(5	30	86	8.147	2.5	0.037	1.401	3.718	0.452	0.061	478	0.288	36	11	(0.01
G-2	-0.3	-0.3	10	215	2	1	23	77	3.36	2	-2	1.30	3.36	0.17	0.039	430	0.27	32	3	0.016
SDC-1 cert	0.041	(.08	30	883	(.25	38	25	103	8.338	3.0	0.26	1.001	2.722	1.019	0.069	183	0.606	102	40	0.065
SDC-1	-0.3	0.3	32	867	-1	36	16	103	6.52	3	2	1.07	2.88	0.99	0.053	188	0.63	100	31	0.073
DNC-1 cert	(.027	(.182	96	1154	(.7	247	6.3	66	9.687	1	(.02	8.055	0.19	6.06	0.037	145	0.287	148	18	(0.039
DNC-1	-0.3	-0.3	94	1025	-1	266	4	57	8.41	-1	-2	8.38	0.19	5.91	0.025	146	0.29	144	16	0.061
SCO-1 cert	0.134	0.14	28.7	410	1.37	27	31	103	7.24	1.84	0.37	1.87	2.30	1.64	0.090	174	0.38	131	26	0.063
SCO-1	-0.3	-0.3	29	369	2	28	27	98	6.22	2	-2	1.90	2.39	1.67	0.075	175	0.36	132	19	0.075
GXR-6 cert	1.3	(1	66	1008	2.4	27	101	118	17.68	1.4	(.29	0.179	1.87	0.61	0.035	35	0.498	186	14	0.016
GXR-6	0.3	-0.3	70	1021	5	26	95	126	6.41	1	-2	0.12	1.44	0.26	0.056	32	0.50	196	4	0.016
GXR-2 cert	17	4.1	76	1008	(2.1	21	690	530	16.46	1.7	(.69	0.929	1.37	0.85	0.105	160	0.3	52	17	0.031
GXR-2	16.3	4.5	84	974	2	20	714	562	7.29	2	-2	0.86	1.21	0.61	0.056	161	0.30	55	10	0.030
GXR-1 cert	31	3.3	1110	853	18	41	730	760	3.52	1.22	1380	0.958	0.05	0.22	0.065	275	0.036	80	32	0.257
GXR-1	28.9	3.7	1144	964	16	42	741	729	1.93	1	1243	0.89	0.06	0.21	0.054	309	0.03	82	30	0.270
GXR-4 cert	4	(.86	6520	155	310	42	52	73	7.20	1.9	19	1.01	4.01	1.66	0.120	221	0.29	87	14	1.770
GXR-4	2.9	0.4	6115	127	329	40	51	69	5.88	2	19	1.07	4.31	1.86	0.113	241	0.27	85	14	1.773

Note: Certificate data underlined are recommended values; other values are proposed except those preceded by a "*" which are information values.

Barite, gahnite, chromite, cassiterite, zircon, sphene, and magnetite may not be totally dissolved.

Activation Laboratories Ltd. Work Order No. 20642 Report No. 20425C Revised

SAMPLE	SiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	TOTAL	
	%	%	%	%	%	%	%	%	%	%	%	%	
401179	41.02	15.02	34.01	1.644	0.83	3.49	0.04	0.08	0.515	0.22	1.96	98.83	
401180	64.47	18.99	4.56	0.070	1.79	1.13	3.14	2.68	0.636	0.13	2.61	100.21	
401181	50.75	12.74	17.61	0.269	4.86	7.93	1.96	0.62	2.153	0.24	1.30	100.43	
401182	47.22	12.75	16.57	0.296	3.90	8.06	3.20	0.20	1.784	0.17	6.32	100.47	
401183	42.44	14.18	28.09	0.126	4.59	1.72	-0.01	-0.01	1.321	0.11	6.19	98.75	
401184	48.12	12.02	27.39	0.109	3.44	0.55	0.31	0.04	1.198	0.09	5.88	99.15	
401185	54.25	19.16	10.73	0.206	3.46	0.64	4.65	1.24	1.022	0.09	4.02	99.47	
401186	63.56	4.21	27.04	0.666	1.76	1.96	0.18	0.13	0.155	0.10	0.60	100.36	
401187	68.95	0.51	28.18	0.165	1.72	0.16	-0.01	-0.01	0.027	0.13	0.32	100.14	
401188	49.25	12.95	13.20	0.145	4.52	5.91	3.74	0.34	1.737	0.18	7.07	99.05	
401189	58.03	10.75	13.54	0.423	4.51	4.50	1.37	1.62	1.702	0.21	3.04	99.70	
401191	55.12	9.62	20.67	0.397	2.37	2.70	0.46	0.74	0.488	0.09	5.59	98.25	
401192	69.03	16.11	3.82	0.023	1.25	1.21	2.58	1.90	0.355	0.08	3.20	99.56	
401193	40.81	10.02	11.21	0.221	7.95	10.94	2.07	0.08	0.690	0.46	15.91	100.37	
401194	64.12	16.30	5.56	0.078	2.96	0.63	3.87	1.75	0.677	0.15	2.90	99.00	
401195	65.82	15.60	7.28	0.009	1.22	0.29	2.74	3.08	0.564	0.07	3.77	100.44	
401196	67.07	12.33	11.32	0.009	0.73	0.06	0.80	2.74	0.465	0.14	4.59	100.25	
401197	71.14	2.32	21.03	0.120	1.23	0.65	0.03	0.03	0.063	0.16	3.52	100.29	
401198	48.91	15.18	9.81	0.226	4.50	5.84	3.92	1.15	0.921	0.09	9.03	99.58	
401236	45.02	11.32	9.51	0.168	18.38	10.24	0.35	0.10	0.308	0.03	4.57	100.00	
SY3 CERT	59.62	11.75	6.49	0.32	2.67	8.26	4.12	4.23	0.15	0.54	1.16		syenite
SY-3	59.61	11.72	6.43	0.321	2.62	8.24	4.14	4.23	0.150	0.54			
MRG-1 CERT	39.09	8.46	17.93	0.17	13.55	14.71	0.74	0.18	3.77	0.08	1.56		gabbro
MRG-1	38.89	8.46	17.91	0.165	13.54	14.56	0.75	0.19	3.775	0.06			
DNC-1 CERT	47.04	18.30	9.93	0.150	10.05	11.27	1.87	0.229	0.48	0.085	0.60		dolerite
DNC-1	47.03	18.46	9.90	0.144	10.09	11.16	1.87	0.26	0.472	0.07			
BIR-1 CERT	47.77	15.35	11.26	0.170	9.68	13.24	1.75	0.027	0.96	0.05			basalt
BIR-1	47.87	15.31	11.37	0.171	9.68	13.25	1.80	0.02	0.948	0.02			
G-2 CERT	69.08	15.35	2.66	0.030	0.75	1.96	4.08	4.48	0.48	0.14			granite
G-2	69.46	15.39	2.65	0.032	0.75	1.94	4.11	4.47	0.471	0.14			
NBS 1633b CERT	49.24	28.43	11.13	0.020	0.799	2.11	0.271	2.26	1.320	0.53			fly ash
NBS 1633b	49.12	28.61	11.03	0.016	0.79	2.15	0.29	2.29	1.249	0.55			
IF-G CERT	41.20	0.15	55.85	0.042	1.89	1.55	0.032	0.012	0.014	0.063			iron form sample
IF-G	41.66	0.13	55.68	0.036	1.96	1.57	0.01	0.02	0.014	0.06			
FK-N CERT	65.02	18.61	0.09	0.005	0.01	0.11	2.58	12.81	0.02	0.02			K-feldspar
FK-N	65.25	19.03	0.11	0.004	0.01	0.10	2.55	12.90	0.014	0.02			

Note: Certificate data underlined are recommended values, other values are proposed except those preceded by a "(" which are information values


Dr. Eric Hoffman, Ph.D.
General Manager

Sample ID	Au ppb	Pt ppb	Pd ppb
401211	6	-5	-4
401212	27	145	147
401213	63	137	483
401214	22	172	362
401215	16	131	256
401216	9	83	87
401217	41	239	408
401218	3	-5	7
401219	3	9	7
401220	18	9	27
401221	5	8	7
401222	22	-5	4
401223	13	-5	5
401224	19	6	17
401225	4	-5	5
401226	-2	-5	10
401231	5	-5	-4
401232	2	-5	-4
401233	3	-5	8
401234	4	-5	4
401235	7	-5	5
401236	7	-5	9
BLANK	-1	-5	-4
STANDARD FA-10R	471	464	464
STANDARD Acceptable range	450-500	450-500	450-500

Actlabs Job # 20642

Report#: 20425Rev

Customer: Crew Development Corp.

Contact: D. Schlatter

Trace Element Values Are in Parts Per Million. Negative Values Equal Not Detected at That Lower Limit.

Sample ID	Y	Zr	Nb
401179	78	148	-2
401180	10	156	-2
401181	38	154	8
401182	35	121	3
401183	9	89	6
401184	19	68	-2
401185	21	63	-2
401186	18	88	4
401187	3	8	-2
401188	34	132	6
401189	34	131	7
401191	21	166	-2
401192	10	135	3
401193	17	88	6
401194	15	161	8
401195	3	146	-2
401196	5	126	2
401197	5	24	-2
401198	18	60	-2
401236	7	35	-2
Blank	-2	-5	-2
Standard MAG1	29	136	13
Certified MAG1	28*	126*	12
Standard BIR1	17	17	-2
Certified BIR1	16*	16	0.6
Standard DNC1	18	42	3
Certified DNC1	18*	41*	3
Standard GXR-2	18	273	13
Certified GXR-2	17	269	11
Standard LKSD-3	31	177	9
Certified LKSD-3	30	178	8
Standard MICA Fe	47	764	271
Certified MICA Fe	48*	800*	270*
Standard GXR1	35	49	5
Certified GXR1	32	(38)	(0.8)
Standard SY3	719	344	160
Certified SY3	718*	320	148
Standard STM-1	45	1,240	259
Certified STM-1	46*	1210*	268*
Standard IFG-1	9	-5	-2
Certified IFG-1	9*	1	0.1*

Certified By

E. L. Hoffman

General Manager, Activation Laboratories Ltd.

This report shall not be a product of except as full without the written approval of the laboratory.
 Unless otherwise indicated, samples will be shipped out of 31 days from the date of this report.

Date 26/7/08



Invoice No.: 20285
Work Order: 20535
Invoice Date: 12-SEP-00
Date Submitted: 28-AUG-00
Your Reference: CREW-1-ROROS
Account Number: 2749

CREW DEVELOPMENT CORPORATION
O.H. BANGSVEI 54-58
N-1363 HOEVIK, NORWAY
ATTN: DENIS SCHLATTER

CERTIFICATE OF ANALYSIS

89 ROCKS (PREP.REV3) were submitted for analysis.

The following analytical packages were requested. Please see
current fee schedule for elements and detection limits.

REPORT 20285 CODE 1H INAA (INAAGEO.REV1)
REPORT 20285 B TOTAL DIGESTION ICP (TOTAL.REV2)
REPORT 20285 C CODE 1C-FIRE ASSAY ICP/OES

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "E. Hoffman".

DR E. HOFFMAN / GENERAL MANAGER

Activation Laboratories Ltd. Work Order: 20535 Report: 20285

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	V ppm
400170	938	32	112	210	-0.5	2	27	23	3	6.58	3	3	-5	3	2.02	-48	-15	33.6	25.8	37	-0.02	-0.05	-0.5	2.4	3.2	-1
400171	54	-5	10.2	190	-0.5	3	17	21	2	4.98	3	-1	-5	-1	2.32	-31	-15	0.2	27.7	-3	-0.01	-0.05	-0.5	2	1.7	-1
400172	-2	-5	9.2	140	-0.5	2	9	48	-1	2.49	2	-1	-5	-1	3.13	-31	35	-0.1	18.9	-3	-0.01	-0.05	1	1.3	1.2	-1
400173	612	14	172	180	-0.5	4	12	25	3	4.74	3	-1	-5	2	1.74	-29	-15	4.4	23.6	14	-0.01	-0.05	-0.5	2.8	1.9	-1
400174	12	-5	72.6	430	-0.5	16	8	62	2	5.07	2	-1	-5	17	0.27	-22	54	0.8	12.9	-3	-0.01	-0.05	0.8	7.9	27	3
400175	-2	-5	10.5	120	-0.5	3	9	9	-1	2.15	-1	-1	-5	3	2.44	-26	-15	0.1	21.3	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
400176	17	-5	61.3	-50	-0.5	1	16	36	-1	8.55	1	-1	-5	12	0.13	-20	-15	0.9	7.9	3	-0.01	-0.05	-0.5	1.6	1.8	-1
400177	152	27	353	210	-0.5	4	9	43	-1	3.82	5	-1	-5	2	1.72	-28	48	20.9	16.6	-3	-0.01	-0.05	-0.5	2.5	-0.5	-1
400178	49	11	150	360	-0.5	2	6	13	-1	5.37	5	-1	-5	2	2.57	-33	49	3.8	12.2	-3	-0.01	-0.05	-0.5	5.4	1.7	-1
400179	32	11	203	200	-0.5	-1	12	8	-1	9.08	2	-1	-5	4	0.13	-20	-15	2.3	3.9	-3	-0.01	-0.05	-0.5	0.5	-0.5	-1
400180	-2	-5	1	-50	-0.5	13	25	25	-1	26.4	1	-1	-5	-1	0.17	-21	-15	0.3	3.5	-3	-0.01	-0.05	-0.5	1.8	1.1	-1
400181	217	-5	3	-50	-0.5	10	68	41	3	27.1	1	-1	-5	3	0.13	-30	-15	0.2	2.4	-3	-0.01	-0.05	-0.5	2	0.9	-1
400182	32	-5	0.7	-50	-0.5	5	477	40	-1	36.4	1	-1	-5	-1	0.14	184	-15	0.3	4.7	3	-0.01	-0.05	-0.5	2.5	2.5	-1
400183	116	-5	1.2	-50	-0.5	5	351	13	-1	46.9	-1	-1	-5	-1	0.07	166	-15	0.3	1	-3	-0.01	-0.05	0.8	1.3	-0.5	-1
400184	-2	-5	1.3	400	-0.5	2	15	36	-1	4.95	3	-1	-5	-1	1.48	-33	57	0.2	19.3	-3	-0.01	-0.05	-0.5	4.5	2.1	-1
400185	12	-5	6.2	250	-0.5	3	17	19	-1	4.56	5	-1	-5	-1	2	-36	-15	0.4	17.6	-3	-0.01	-0.05	-0.5	5.9	1	-1
400186	6	-5	7.5	190	-0.5	1	12	28	-1	3.79	9	-1	-5	3	1.43	-33	33	0.3	11.5	-3	-0.01	-0.05	1.8	12.5	2.7	-1
400187	-2	-5	2	150	-0.5	1	18	108	2	5.17	3	-1	-5	-1	1.28	80	39	-0.1	16.9	-3	-0.01	-0.05	-0.5	5.4	3	-1
400188	-2	-5	2.2	120	-0.5	-1	11	74	2	3.08	1	-1	-5	9	0.55	72	-15	-0.1	7.4	-3	-0.01	-0.05	-0.5	3.4	5	-1
400189	11	-5	1.5	350	-0.5	-1	49	94	3	5.92	3	-1	-5	70	0.96	284	80	0.3	14.8	-3	-0.01	-0.05	-0.5	9.1	39.7	-1
400190	-2	-5	0.8	140	-0.5	4	18	106	-1	4.69	4	-1	-5	-1	2.02	-35	-15	0.3	21.6	-3	-0.01	-0.05	-0.5	4.4	1.9	-1
400191	-2	-5	0.6	170	-0.5	2	11	12	-1	4.49	6	-1	-5	2	3.97	-40	-15	-0.1	15.9	-3	-0.01	-0.05	1.1	6.7	2.2	-1
400192	-2	-5	2.3	230	-0.5	-1	14	22	-1	8.55	14	-1	-5	22	1.6	-20	-15	0.3	9.2	6	-0.01	-0.05	1.2	8.9	2.7	3
400193	9	-5	4	270	-0.5	5	10	12	-1	2.79	6	-1	-5	6	5.12	51	43	-0.1	8	-3	-0.01	-0.05	2	15.7	3.1	-1
400194	167	-5	1.8	-50	-0.5	-1	35	20	-1	4.7	-1	-1	-5	-1	0.32	-20	-15	-0.1	1.9	4	-0.01	-0.05	-0.5	0.2	-0.5	-1
400195	89	-5	1.7	-50	-0.5	-1	44	34	-1	8.96	3	-1	-5	4	0.67	-20	-15	-0.1	12.1	4	-0.01	-0.05	0.6	2.7	-0.5	-1
400196	2380	8	2.1	250	-0.5	-1	45	24	-1	11.2	3	-1	-5	-1	1.27	-20	-15	-0.1	19.5	6	-0.01	-0.05	0.6	3.6	0.6	-1
400197	-2	-5	2	100	-0.5	5	17	9	-1	4.5	2	-1	-5	-1	1.56	-20	-15	-0.1	10.7	-3	-0.01	-0.05	-0.5	2.1	-0.5	-1
400198	-2	-5	1.1	-50	-0.5	-1	2	12	-1	0.53	-1	-1	-5	-1	0.02	-20	-15	-0.1	0.1	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
400199	-2	-5	1.1	330	5.9	2	20	120	3	2.66	3	-1	-5	4	1.93	150	96	0.2	8.5	-3	-0.01	-0.05	-0.5	4.5	1.8	2
400199(PULP DUP)	-2	-5	1	340	6	2	22	125	3	2.82	3	-1	-5	4	2	149	90	0.2	9	-3	-0.01	-0.05	-0.5	4.8	1.3	2
400200	4	-5	5.1	-50	-0.5	-1	540	41	-1	47.5	-1	3	-5	7	0.02	-52	-15	0.4	0.2	76	-0.01	-0.05	-0.5	-0.2	-0.5	-1
400501	9	-5	29.7	-50	-0.5	-1	230	64	1	26.5	3	-1	-5	5	0.12	-20	-15	0.5	4.8	41	-0.01	-0.05	-0.5	-0.2	0.9	-1
400502	7	-5	24.5	-50	-0.5	2	142	75	-1	28.7	6	1	-5	3	0.63	-37	-15	-0.1	15	28	-0.01	-0.05	-0.5	0.9	-0.5	-1
400503	-2	-5	1.2	-50	-0.5	2	97	27	-1	29.6	6	-1	-5	48	0.78	-37	-15	-0.1	13	51	-0.01	-0.05	-0.5	1	-0.5	-1
400504	-2	-5	-0.5	-50	-0.5	-1	106	70	-1	41.3	-1	-1	-5	6	0.09	-34	-15	-0.1	3.8	32	-0.01	-0.05	-0.5	-0.2	-0.5	-1
400505	-2	-5	1	-50	-0.5	4	49	73	-1	19.2	-1	-1	-5	-1	0.16	-20	-15	0.1	1.6	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
400506	-2	-5	-0.5	-50	-0.5	2	5	89	-1	1.51	5	1	-5	-1	7.81	-36	-15	-0.1	15.9	-3	-0.01	-0.05	-0.5	3.4	1	-1
400507	-2	-5	2.2	-50	-0.5	-1	6	170	-1	0.85	-1	-1	-5	1	0.09	-20	-15	0.2	2.3	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
400508	90	-5	275	70	-0.5	-1	21	97	-1	15.7	-1	-1	-5	29	0.24	-20	18	4.8	4.5	13	-0.01	-0.05	-0.5	-0.2	0.5	-1
400509	381	-5	74.1	-50	-0.5	1	13	38	-1	43.4	-1	-1	-5	16	0.1	71	27	5.8	1.8	41	-0.01	-0.05	-0.5	0.6	5.2	-1
400510	-2	-5	1	70	-0.5	1	5	150	-1	1.31	-1	-1	-5	1	0.3	-20	-15	-0.1	2.6	-3	-0.01	-0.05	-0.5	1.3	0.5	-1
400511	108	-5	0.7	200	-0.5	2	15	160	1	5.09	3	-1	-5	3	1.1	-20	26	0.1	10.3	-3	-0.01	-0.05	-0.5	4.1	0.9	-1
400512	-2	-5	0.8	380	-0.5	1	15	160	3	3.59	4	-1	-5	2	0.71	80	58	-0.1	12.8	-3	-0.01	-0.05	-0.5	7	1.5	-1
400513	-2	-5	1.3	-50	-0.5	4	82	193	-1	26.6	-1	-1	-5	-1	0.27	137	-15	0.3	33.5	-3	-0.01	-0.05	1.1	0.6	-0.5	-1
400514	-2	-5	2	250	-0.5	2	42	75	-1	8.23	1	-1	-5	-1	4.21	69	33	-0.1	39.5	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1

Activation Laboratories Ltd. Work Order: 20535 Report: 20285

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	W ppm
400515	-2	-5	7.9	160	-0.5	5	35	267	-1	5.73	1	-1	-5	3	3.13	-37	-15	-0.1	43.3	4	-0.01	-0.05	0.7	0.8	3.2	-1
400516	11	-5	8.9	200	-0.5	6	26	220	-1	5.91	5	-1	-5	5	0.61	70	68	-0.1	21.4	-3	-0.01	-0.05	0.7	6.4	4.6	-1
400517	-2	-5	7.2	300	2.3	2	16	140	2	6.37	7	-1	-5	7	0.89	-20	100	2.1	20.5	-3	-0.01	-0.05	0.9	10.9	3.8	-1
400518	-2	-5	2.1	300	-0.5	2	16	160	1	5.11	5	-1	-5	10	0.43	-20	55	-0.1	15.1	-3	-0.01	-0.05	-0.5	7.9	6	-1
400519	-2	-5	3.1	300	-0.5	1	15	140	1	3.34	5	-1	-5	4	1.21	-20	63	0.2	12	-3	-0.01	-0.05	-0.5	6.3	1.9	-1
400520	-2	-5	0.7	-50	-0.5	11	43	107	-1	8.07	2	-1	-5	-1	2.68	-37	-15	0.4	45.5	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
400521	-2	-5	1.4	210	-0.5	19	36	112	-1	7.31	2	-1	-5	-1	2	-38	-15	-0.1	36.1	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
400522	42	-5	49.6	67	-0.5	7	34	260	-1	19.5	1	-1	-5	21	0.92	120	-15	0.4	16.1	5	-0.01	-0.05	-0.5	1.8	6.4	-1
400523	100	-5	482	75	-0.5	3	65	192	5	34.4	1	-1	-5	60	0.16	407	35	3.2	5.8	18	-0.01	-0.05	0.9	4.1	16.5	-1
400524	55	-5	19.4	180	-0.5	4	30	238	-1	23.6	1	-1	-5	6	0.17	174	-15	0.9	9.3	7	-0.01	-0.05	-0.5	4.2	5.2	-1
400525	25	-5	60	-50	-0.5	4	17	140	-1	10.6	3	-1	-5	5	0.3	59	-15	1.5	12.2	-3	-0.01	-0.05	-0.5	3.6	2.6	-1
400526	63	-5	360	280	-0.5	2	117	204	-1	19.5	2	-1	-5	37	0.27	132	40	11.4	8	15	-0.01	-0.05	-0.5	6.4	19.2	-1
400527	-2	-5	1.1	87	0.6	2	37	120	-1	5.36	3	-1	-5	19	1.45	60	-15	0.1	8	-3	-0.01	-0.05	0.7	4.7	2.5	-1
400528	-2	-5	4.9	65	-0.5	14	13	150	-1	5.2	5	-1	-5	2	0.32	-20	16	0.9	8.7	-3	-0.01	-0.05	0.9	6.8	1.4	-1
328151	27400	152	167	230	-0.5	-1	690	129	-1	16.4	2	-1	-5	5	0.3	-49	74	0.5	1.6	-3	-0.02	-0.05	-0.5	4.6	-0.5	-1
328151 (PULP DUP)	30100	147	150	200	-0.5	-1	654	117	-1	15.7	2	-1	-5	4	0.29	-46	54	0.6	1.6	-3	-0.02	-0.05	-0.5	4.4	-0.5	-1
328152	2	-5	1.2	-50	0.7	-1	-1	160	-1	0.56	-1	-1	-5	-1	0.02	-20	-15	0.3	0.3	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
328153	-2	-5	2.6	900	-0.5	-1	1	63	-1	1.49	9	-1	-5	6	1.56	-20	180	0.5	1.1	-3	-0.01	-0.05	1.5	12.6	5.8	5
328154	5	-5	7.8	130	-0.5	-1	10	160	1	2.18	2	-1	-5	3	0.19	50	27	0.2	5.3	-3	-0.01	-0.05	-0.5	2.2	1.1	-1
328155	-2	-5	2.7	52	-0.5	2	17	190	-1	2.13	-1	-1	-5	-1	0.68	60	-15	0.2	2.8	-3	-0.01	-0.05	-0.5	1.5	-0.5	-1
328156	130	-5	1.8	-50	-0.5	-1	879	400	-1	48.8	-1	1	190	-1	0.04	23000	-15	-0.1	2.1	59	-0.01	-0.05	-0.5	-0.2	-0.5	-1
328157	52	-5	47.1	-50	-0.5	1	3	130	-1	6.67	-1	-1	-5	160	0.46	64	-15	-0.1	6.7	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
328158	10	-5	71.7	-50	-0.5	5	240	130	-1	15.2	1	-1	-5	100	0.31	70	-15	-0.1	27.6	-3	-0.01	-0.05	-0.5	-0.2	0.8	1
328159	-2	-5	2.1	320	-0.5	7	19	250	1	5.93	1	-1	-5	-1	1.82	70	47	0.3	26	-3	-0.01	-0.05	-0.5	2.3	-0.5	-1
328160	-2	-5	12.3	490	-0.5	-1	14	72	-1	7.28	3	-1	-5	-1	1.56	-22	-15	1.2	25.7	-3	-0.01	-0.05	-0.5	0.9	-0.5	-1
328161	24	-5	3	130	-0.5	-1	16	140	-1	4.13	-1	-1	-5	-1	1.01	-20	-15	0.4	17.6	-3	-0.01	-0.05	-0.5	0.5	1	1
328162	4	-5	5.4	110	-0.5	-1	14	160	-1	7.83	-1	1	-5	-1	0.05	-20	-15	0.2	4.6	-3	-0.02	-0.05	-0.5	0.7	0.6	-1
328163	9	-5	5	200	-0.5	5	29	220	2	5.54	1	-1	-5	-1	1.75	75	25	0.5	35.8	-3	-0.01	-0.05	0.8	0.7	-0.5	6
328164	-2	-5	5.4	600	-0.5	17	21	190	2	4.34	-1	7	-5	46	0.3	60	80	1	18.7	5	-0.01	-0.05	-0.5	0.5	1.5	12
328165	-2	-5	3.7	400	-0.5	2	3	85	-1	2.73	5	-1	-5	80	4.34	-24	44	-0.1	4.8	-3	-0.02	-0.05	-0.5	16	3.7	28
328166	-2	-5	1.9	-50	-0.5	-1	7	140	-1	1.5	-1	-1	-5	3	-0.01	-20	-15	-0.1	0.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
328167	9	-5	1	160	-0.5	-1	15	141	-1	3.74	-1	-1	-5	432	0.6	-20	21	0.2	0.8	-3	-0.01	-0.05	-0.5	0.9	0.8	17
328168	4	-5	4.5	230	-0.5	3	4	87	1	4.7	-1	-1	-5	66	1.89	-20	43	0.8	25.2	-3	-0.01	-0.05	-0.5	-0.2	-0.5	124
328169	20	-5	3.7	82	-0.5	-1	22	154	-1	7	-1	-1	-5	880	0.02	-20	-15	0.3	0.2	-3	-0.01	-0.05	-0.5	0.2	-0.5	127
328170	137	-5	695	130	-0.5	-1	8	79	-1	29.2	-1	-1	-5	21	-0.01	60	-15	9.2	3	-3	-0.01	-0.05	-0.5	1.1	3	-1
328171	9	-5	9.1	64	-0.5	-1	-1	166	-1	2.71	-1	-1	-5	4	0.01	-20	-15	0.3	2.1	-3	-0.01	-0.05	-0.5	-0.2	0.6	-1
328172	25	-5	77.8	310	-0.5	10	16	162	2	4.76	3	-1	-5	-1	1.62	95	31	1.5	17.7	-3	-0.01	-0.05	-0.5	3.4	1.4	-1
401201	-2	-5	6.3	830	-0.5	3	34	105	2	3.15	3	-1	-5	4	2.35	-20	69	1.5	4	-3	-0.01	0.12	-0.5	12	6.3	10
401202	-2	-5	4.6	800	-0.5	3	12	77	1	2.86	-1	-1	-5	11	3	-20	28	0.6	4.8	-3	-0.01	0.13	-0.5	12.5	3	266
401203	-2	-5	2.4	940	-0.5	2	8	158	-1	3.14	3	-1	-5	4	4.7	-24	45	0.3	7.2	-3	-0.01	-0.05	-0.5	16.2	3.8	-1
401204	-2	-5	1.7	920	-0.5	2	6	53	3	2.42	3	-1	-5	6	4.85	-23	-15	0.3	5.4	-3	-0.01	-0.05	-0.5	13.8	1.9	-1
401205	15	-5	140	-50	-0.5	-1	16	105	-1	17.9	1	-1	-5	8	0.02	103	-15	2.1	10.4	-3	-0.01	-0.05	-0.5	3.1	3.8	-1
401206	-2	-5	4.1	310	-0.5	1	21	61	2	7.22	-1	-1	-5	-1	2.64	-26	32	0.4	29.7	-3	-0.01	-0.05	-0.5	0.6	-0.5	-1
401207	8	-5	27.8	450	-0.5	1	8	52	2	7.47	2	-1	-5	12	0.54	-21	55	0.3	22.2	-3	-0.01	-0.05	-0.5	4.2	-0.5	-1
401208	5	-5	9.2	1700	-0.5	1	8	70	2	2.26	3	-1	-5	5	3.26	-21	79	0.2	5.5	-3	-0.01	-0.05	-0.5	20.2	5	-1
401208(PULP DUP)	3	-5	9.3	1700	-0.5	1	7	68	2	2.33	3	-1	-5	5	3.13	-20	76	0.2	5.1	-3	-0.01	-0.05	-0.5	19.3	5	-1

Activation Laboratories Ltd. Work Order: 20535 Report: 20285

Sample ID	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W
	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm
BLANK	-2	-5	-0.5	-50	-0.5	-1	-1	-5	-1	-0.01	-1	-1	-5	-1	-0.01	-20	-15	-0.1	-0.1	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-1
DMMAS-14-2289	541	-5	2330	490	2.8	9	71	139	3	8.5	1	-1	-5	1	0.77	-25	43	12	19.6	-3	-0.02	-0.05	-0.5	1.2	-0.5	17
DMMAS-14-2287	560	-5	2310	460	2.2	8	65	121	-1	8.28	2	-1	-5	-1	0.75	-24	33	11.9	19	-3	-0.02	-0.05	-0.5	1.5	-0.5	18
DMMAS-14-2288	562	-5	2400	500	3.7	7	68	130	-1	8.64	3	-1	-5	-1	0.77	-22	59	13.3	19	-3	-0.03	-0.05	-0.5	1.1	1.5	18
DMMAS-14-2286	577	-5	2490	410	2.5	8	69	130	-1	8.57	3	-1	-5	2	0.78	-20	33	13.7	19.3	-3	-0.02	-0.05	-0.5	1.3	-0.5	19
DMMAS-14-2269	645	-5	2490	460	3	9	72	148	-1	8.65	3	-1	-5	-1	0.78	-35	41	14.9	20.7	-3	-0.02	-0.05	-0.5	1.3	-0.5	20
DMMAS-14-2268	614	-5	2470	470	3.5	9	71	140	1	8.84	3	-1	-5	-1	0.78	-20	38	13.9	19.8	-3	-0.02	-0.05	-0.5	1.5	1.9	20
DMMAS-14-2267	595	-5	2410	440	2.5	9	69	130	2	8.73	3	-1	-5	-1	0.78	-20	48	14.2	19.3	-3	-0.02	-0.05	-0.5	1.4	1.5	19
DMMAS-14-2265	545	-5	2420	390	3	9	71	133	-1	8.66	2	-1	-5	-1	0.78	-38	-15	11.7	20.2	-3	-0.02	-0.05	2	1.7	-0.5	16
DMMAS-14-2253	559	-5	2490	490	3.9	9	73	145	3	8.5	3	-1	-5	-1	0.77	-32	45	15.8	20.1	-3	-0.02	-0.05	-0.5	1.6	-0.5	16
Accepted Value-DMMAS-14	587±32		2450±35	490±34	2.8±1.0	9±1	70±5	139±19		8.40±0.41	2.6±1				0.78±0.04		45±5	14±2.5	20.0±1.1					1.6±0.4		18±2

Activation Laboratories Ltd. Work Order: 20535 Report: 20285

Sample ID	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
400170	15000	10.6	19	-5	2	1	1.3	2.9	0.61	31.71
400171	-50	8.9	17	7	2.8	1	-0.5	3.1	0.59	31.04
400172	-50	3.8	10	-5	1.7	0.6	0.8	2.3	0.44	31.15
400173	1300	11.6	21	8	2.4	1.1	-0.5	2.4	0.45	28.23
400174	109	43.8	77	53	10.8	3.4	1.9	11.2	1.77	28.62
400175	-50	1.9	7	-5	0.9	0.4	0.8	2.6	0.43	36.17
400176	163	4.8	12	8	1.3	0.4	-0.5	2.2	0.41	39.03
400177	97	13.5	30	17	4.9	1	1.1	4.7	0.82	26.09
400178	8370	26.1	50	21	4.9	1.5	-0.5	3.3	0.58	28.23
400179	7570	1.5	5	-5	0.8	0.2	-0.5	1.9	0.38	34.54
400180	56	17.7	23	7	1.2	1	-0.5	0.7	0.16	46.85
400181	193	15.5	21	5	1	0.9	-0.5	0.6	0.1	47.96
400182	103	86.5	110	34	4.1	1.6	-0.5	0.9	0.14	43
400183	123	1.5	-3	-5	0.1	-0.2	-0.5	-0.2	-0.05	44.27
400184	-50	31.1	48	17	4.1	1.3	0.8	2.1	0.32	29.63
400185	-50	34.7	51	19	4.7	1.3	0.6	3	0.43	28.17
400186	-50	27.3	46	19	4	1.2	0.5	4.2	0.7	23.78
400187	79	17.9	32	7	2.7	0.6	-0.5	2.1	0.37	32.48
400188	-50	11.3	20	11	2	0.5	-0.5	1.3	0.21	29.6
400189	-50	16.7	30	13	3.2	0.9	-0.5	3.8	0.71	26.4
400190	110	22	35	14	4.2	1.2	0.7	2.3	0.34	30.83
400191	52	32.5	60	28	7.2	1.6	1.1	4.6	0.71	32.14
400192	651	23.3	47	20	5.7	1.1	1.2	7	1.16	28.3
400193	-50	71.2	113	37	7.5	2.9	-0.5	3.1	0.56	35.58
400194	80	2.1	3	-5	0.4	-0.2	-0.5	0.3	-0.05	31.84
400195	-50	15.4	26	11	2.6	0.5	-0.5	1.5	0.23	33.97
400196	95	19.8	33	9	3	0.7	0.6	2.6	0.44	33.29
400197	-50	16.3	27	12	2.8	0.9	-0.5	2.1	0.34	33.09
400198	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	34.99
400199	143	5.8	10	-5	0.8	0.6	-0.5	1	0.15	29.74
400199(PULP DUP)	149	6	11	-5	0.9	0.7	-0.5	1	0.16	30.14
400200	508	-0.5	-3	-5	-0.1	0.5	-0.5	-0.2	-0.05	47.24
400501	146	1.1	5	-5	1.1	0.4	-0.5	3.3	0.57	39.36
400502	1440	9.9	33	22	8.9	1.9	2	8.2	1.33	33.22
400503	536	9.1	33	18	7.3	1.3	1.4	6.6	1.09	30.54
400504	168	0.9	-3	-5	1	-0.2	-0.5	1	0.17	37.6
400505	-50	0.5	-3	-5	0.5	0.2	-0.5	0.5	0.07	31.18
400506	165	4.6	11	-5	2.1	-0.2	-0.5	4.4	0.78	26.71
400507	-50	1.2	-3	-5	0.4	-0.2	-0.5	0.3	-0.05	28.75
400508	-50	1.3	-3	-5	0.4	-0.2	-0.5	0.6	0.11	33.92
400509	88	7.8	11	9	1.7	1.2	-0.5	1	0.17	44.38
400510	-50	4.3	8	-5	0.8	0.2	-0.5	0.5	0.08	27.22
400511	168	13.6	24	12	2.7	1.2	-0.5	1.4	0.23	32.67
400512	87	19.1	41	17	3.7	1	0.6	1.9	0.31	32.12
400513	330	11.8	31	24	6.6	1.9	1.2	2.5	0.44	34.25
400514	-50	3.6	10	11	2.4	0.9	-0.5	2.8	0.45	28.68

Activation Laboratories Ltd. Work Order: 20535 Report: 20285

Sample ID	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
400515	122	4.7	11	5	2.1	1	-0.5	2.2	0.38	29.64
400516	137	22.9	46	23	5.1	1.5	-0.5	3.7	0.61	25.29
400517	111	34.4	66	28	6.4	1.4	1	3.5	0.58	24.19
400518	111	26.4	51	21	4.7	1.1	0.7	2.4	0.36	25.75
400519	83	26.3	48	19	4.4	1.3	0.7	2.7	0.47	24
400520	113	3.5	11	9	3.3	1.2	-0.5	3	0.49	32.9
400521	108	3	10	8	3	1.1	-0.5	2.7	0.48	27.65
400522	225	15.3	23	15	4	1.3	0.7	3.6	0.57	30.9
400523	365	18.4	37	17	4.6	1.6	-0.5	3.6	0.54	36.37
400524	407	36.5	77	31	10.1	2.7	1.6	7.4	1.11	33.86
400525	208	20.7	41	22	5.3	1.3	1.2	4.9	0.73	27.67
400526	527	28	55	26	6.6	1.2	1.1	4.6	0.65	30.72
400527	-50	24	31	12	2.2	0.7	-0.5	2.5	0.46	28.44
400528	137	14	32	22	5.4	1.1	-0.5	2.3	0.39	28.7
328151	73	7	14	-5	0.9	-0.2	-0.5	0.7	0.13	32.61
328151 (PULP DUP)	97	6.9	15	7	0.8	-0.2	-0.5	0.8	0.13	34.55
328152	-50	0.7	-3	-5	0.1	-0.2	-0.5	0.3	0.06	33.06
328153	-50	35.7	68	30	5.5	0.8	0.7	3.5	0.56	32.22
328154	-50	7.4	15	7	1.5	0.4	-0.5	1.1	0.2	27.14
328155	-50	5.9	11	6	1.2	0.4	-0.5	0.7	0.13	28.4
328156	258	-0.5	-3	-5	0.1	-0.2	-0.5	0.4	0.06	46.93
328157	-50	0.9	-3	-5	0.5	0.3	-0.5	0.5	0.1	34.32
328158	86	5.7	12	9	3.3	1.2	1.1	4.5	0.71	35.61
328159	153	4.8	11	6	1.7	0.6	-0.5	1.7	0.31	32.29
328160	87	4.5	11	9	2.3	1.1	-0.5	4	0.63	26.08
328161	91	1.5	5	-5	0.5	-0.2	-0.5	0.8	0.14	27.13
328162	88	5.2	8	7	1.5	0.5	-0.5	1.3	0.2	32.81
328163	-50	4.4	10	-5	1.9	0.9	-0.5	2.1	0.36	28.81
328164	2850	7.8	12	7	1.8	0.9	-0.5	1.3	0.26	27.53
328165	-50	18.2	28	10	2.3	0.6	-0.5	1.1	0.22	26.11
328166	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	33.96
328167	-50	5.8	12	-5	1	0.2	-0.5	0.2	-0.05	31.96
328168	-50	3.5	5	-5	1.2	0.5	-0.5	1	0.15	33.28
328169	-50	0.6	3	-5	0.2	-0.2	-0.5	-0.2	-0.05	34.26
328170	477	3.7	7	-5	0.8	0.3	-0.5	0.6	0.09	35.37
328171	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	29.24
328172	-50	13.1	24	9	3.3	0.7	-0.5	2.5	0.4	24.95
401201	-50	45.6	61	21	3.8	1.1	-0.5	0.7	0.13	28.07
401202	-50	32.4	54	20	3.4	1.1	-0.5	0.8	0.12	29.93
401203	-50	25.4	46	15	3.7	1.2	-0.5	0.7	0.11	24.46
401204	-50	37.8	65	22	4.1	1.2	-0.5	0.8	0.12	25.3
401205	228	12.2	23	10	2.5	0.6	-0.5	1.8	0.25	29.75
401206	-50	2.5	5	-5	1	0.4	-0.5	1.2	0.18	28.24
401207	137	8.5	21	-5	3.3	0.8	-0.5	3.2	0.51	26.74
401208	-50	45.2	70	26	3.9	1.3	-0.5	0.9	0.14	27.05
401208(PULP DUP)	-50	44.7	68	25	3.9	1.2	-0.5	0.8	0.14	28.74

Activation Laboratories Ltd. Work Order: 20535 Report: 20285

Sample ID	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
BLANK	-50	-0.5	-3	-5	-0.1	-0.2	-0.5	-0.2	-0.05	0
DMMAS-14-2289	189	13.1	23	14	3.9	1.3	0.9	3.3	0.5	25.73
DMMAS-14-2287	149	12.9	20	13	3.8	1	0.9	3.4	0.51	25.3
DMMAS-14-2288	244	13.1	22	18	4	1.3	1.3	3.5	0.57	25.33
DMMAS-14-2286	263	12.9	23	15	4.1	1.3	1	3.7	0.56	25.61
DMMAS-14-2269	254	14.1	23	-5	4.4	1.4	0.7	3.6	0.56	25.84
DMMAS-14-2268	248	13.5	25	15	4.1	1.4	0.9	3.8	0.56	25.3
DMMAS-14-2267	285	13.1	24	14	4	1.3	-0.5	3.7	0.55	25.7
DMMAS-14-2265	240	13	20	-5	3.8	1.2	-0.5	3.2	0.51	25.31
DMMAS-14-2253	234	13.9	27	16	4.2	1.5	-0.5	3.7	0.56	25.24
Accepted Value-DMMAS-14	246±20	13.4±0.5	24±2	12±2	4.0±0.2	1.3±0.2		3.6±0.2	0.54±0.03	

Activation Laboratories Ltd. Work Order No. 20535 Report No. 20285B

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
400170	27.9	53.7	879	336	5	12	6717	11900	6.65	-1	-2	1.52	1.58	1.38	0.026	146	0.23	81	10	3.349
400171	-0.3	-0.3	39	533	2	11	10	79	7.20	-1	-2	2.97	0.99	1.80	0.040	217	0.30	97	16	0.089
400172	-0.3	-0.3	40	378	2	8	8	41	5.93	-1	-2	2.01	0.37	1.02	0.057	142	0.30	69	14	0.035
400173	14.2	4.9	1425	485	4	8	635	1225	5.75	1	-2	2.99	1.05	1.58	0.047	203	0.37	91	12	0.704
400174	-0.3	-0.3	97	1223	10	16	23	68	4.24	3	-2	13.26	1.43	0.79	4.420	156	0.06	258	106	0.913
400175	-0.3	-0.3	18	475	2	2	6	55	5.53	-1	-2	2.94	0.68	0.25	0.048	169	0.28	201	14	0.013
400176	-0.3	1.3	74	540	13	33	23	110	2.87	1	-2	1.43	0.50	0.55	0.026	21	0.12	192	17	2.413
400177	25.2	1.7	435	427	3	11	2208	112	6.96	1	8	3.26	1.87	0.91	0.025	175	0.20	62	29	0.430
400178	10.8	40.5	1237	542	2	4	1150	7740	5.46	-1	2	2.29	1.09	1.04	0.089	196	0.46	104	26	1.352
400179	9.4	38.0	3837	44	4	2	75	7245	2.13	-1	10	0.02	0.96	0.08	0.004	16	0.06	14	12	9.207
400180	-0.3	1.7	92	2392	-1	5	17	56	1.41	-1	-2	11.73	0.06	0.60	0.015	86	0.11	20	6	0.066
400180/R	-0.3	1.5	93	2616	3	5	11	55	1.38	-1	-2	11.53	0.06	0.60	0.014	82	0.10	19	6	0.067
400181	2.1	2.2	14470	1998	-1	16	-3	149	1.73	-1	-2	10.64	0.05	0.52	0.009	96	0.07	20	7	2.347
400182	0.5	1.6	4546	821	2	132	24	99	1.75	-1	-2	4.56	0.05	1.28	0.017	87	0.11	29	9	7.529
400183	0.6	0.8	1705	1194	-1	127	19	66	0.41	-1	2	3.98	0.03	0.52	0.020	11	0.05	10	-1	5.529
400184	-0.3	0.8	18	856	2	13	9	67	5.86	1	-2	2.45	1.23	0.57	0.086	220	0.65	175	17	0.090
400185	-0.3	0.4	29	723	3	16	3	46	6.00	1	-2	3.12	0.75	1.17	0.070	201	0.42	102	22	1.121
400186	0.5	-0.3	24	284	5	8	3	53	5.37	1	-2	0.62	0.87	0.44	0.087	183	0.38	66	19	1.467
400187	-0.3	-0.3	76	948	2	70	24	85	5.75	2	-2	1.04	1.36	2.39	0.057	97	0.50	177	17	0.047
400188	-0.3	0.3	92	467	8	72	8	50	2.81	1	-2	0.71	0.79	1.05	0.025	46	0.20	162	9	0.526
400189	0.9	-0.3	504	336	59	187	24	44	5.36	2	-2	0.76	2.40	0.98	0.133	79	0.40	781	25	3.650
400190	-0.3	-0.3	26	726	2	29	20	68	6.48	1	-2	4.42	0.32	2.54	0.106	266	0.79	153	26	0.039
400191	-0.3	-0.3	107	598	1	2	24	43	7.36	1	-2	1.83	0.43	1.40	0.102	220	0.64	82	50	0.685
400192	1.4	3.1	1094	472	21	5	17	637	5.81	2	2	0.82	0.81	3.67	0.054	100	0.18	66	26	2.439
400193	-0.3	-0.3	69	590	4	50	15	20	7.31	-1	-2	4.07	0.85	1.04	0.119	284	0.49	43	32	0.175
400194	3.9	5.3	14590	89	1	15	-3	81	0.88	-1	-2	0.26	0.02	0.17	0.023	39	0.07	11	2	3.069
400195	1.2	1.0	5456	540	1	21	-3	58	3.69	-1	-2	0.37	0.02	1.74	0.023	73	0.66	108	15	2.235
400196	6.6	2.3	14480	625	4	11	9	73	5.38	-1	-2	0.82	0.31	2.17	0.154	105	0.85	192	16	2.357
400197	-0.3	-0.3	98	1254	-1	7	17	23	3.62	-1	-2	5.43	0.07	1.75	0.080	222	0.52	107	16	0.556
400198	-0.3	-0.3	28	174	2	4	5	6	0.05	-1	-2	0.04	0.01	0.01	0.006	3	-0.01	-2	-1	0.012
400199	-0.3	1.4	38	303	3	149	38	135	6.72	4	-2	2.12	1.72	1.70	0.009	230	0.15	69	5	0.738
400199 (PULP DUP)	-0.3	1.6	39	307	4	152	37	139	7.14	4	-2	2.25	1.78	1.75	0.010	228	0.16	71	5	0.755
400200	1.3	3.3	17800	171	7	15	-3	391	0.14	-1	-2	0.53	0.01	0.20	-0.001	9	-0.01	-2	-1	25.603
400501	1.3	1.4	5353	580	6	1	12	155	1.50	-1	4	0.73	0.02	1.13	0.002	24	0.21	9	25	21.395
400502	1.6	3.4	5149	1143	2	6	13	1258	4.26	-1	2	1.67	0.03	3.52	0.117	63	0.62	15	64	16.369
400502/R	1.5	3.1	5407	1173	2	3	6	1278	4.37	-1	5	1.65	0.04	3.63	0.124	61	0.65	16	65	16.919
400503	1.3	2.5	11356	2101	43	4	-3	458	3.95	-1	-2	3.47	0.04	3.87	0.029	73	0.34	64	53	8.756
400504	-0.3	2.1	3111	501	-1	22	3	121	0.71	-1	-2	0.57	0.06	0.56	0.012	9	0.14	74	10	13.511
400505	-0.3	1.2	727	1188	1	20	5	23	0.83	-1	-2	4.22	0.02	3.72	0.003	9	-0.01	88	7	0.885
400506	0.4	-0.3	108	187	4	-1	18	122	13.36	-1	-2	1.64	0.11	0.19	0.017	116	0.13	11	48	0.242
400507	-0.3	-0.3	53	133	2	11	-3	24	0.57	-1	-2	0.25	0.16	0.21	0.003	10	0.03	13	2	0.155
400508	1.4	0.6	5	19	31	19	8	3	1.09	-1	-2	0.03	0.33	0.05	0.002	15	0.02	12	5	14.313
400509	4.5	4.2	304	260	14	62	16	69	0.90	-1	-2	1.09	0.14	0.20	0.087	21	0.02	126	18	23.637
400510	-0.3	0.3	37	207	1	18	6	24	1.44	-1	-2	1.37	0.26	0.51	0.052	51	0.07	21	4	0.050
400511	1.2	1.0	5132	835	1	27	20	152	4.34	1	2	2.20	0.60	1.17	0.054	222	0.24	77	13	0.715
400512	-0.3	-0.3	21	368	1	60	16	67	5.41	1	-2	1.26	1.88	1.80	0.068	137	0.42	101	19	0.009
400513	-0.3	1.6	323	4525	2	85	29	250	3.05	-1	-2	3.34	0.05	5.02	0.340	42	3.29	549	23	1.060
400514	0.5	0.6	125	1064	3	62	16	59	6.80	-1	-2	2.34	0.88	1.37	0.018	143	0.30	301	17	4.472

Clients are advised to obtain assays for Ag>100 ppm and Pb>5000 ppm due to potential solubility problems.
 Values for Cu, Ni, Zn, Mo greater than 1% should be assayed if accuracy better than +/-10-15% is required.
 Values above 1% are for informational purposes only and should not be relied upon for promotional or ore
 reserve calculations. Assays are recommended for this purpose.
 Sulphur will precipitate in samples containing massive sulphides


 Adrienne I. Rittau, B.Sc., C.Chem
 ICP Technical Manager

Activation Laboratories Ltd. Work Order No. 20535 Report No. 20285B

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
400515	-0.3	-0.3	96	703	5	29	19	88	6.20	1	-2	5.16	1.05	0.66	0.065	214	0.53	408	12	1.358
400516	-0.3	-0.3	80	1010	5	61	19	99	7.01	2	3	5.86	2.01	2.48	0.057	169	0.56	247	28	0.498
400516/R	-0.3	-0.3	60	1059	5	64	24	102	7.32	2	-2	6.08	2.14	2.65	0.062	172	0.61	264	29	0.515
400517	-0.3	-0.3	51	606	8	35	23	78	7.12	2	-2	1.86	2.56	2.15	0.067	95	0.57	206	24	0.145
400518	-0.3	-0.3	77	473	8	41	21	81	5.02	1	-2	2.41	1.57	1.55	0.048	107	0.43	213	14	0.737
400519	-0.3	-0.3	70	330	3	28	11	75	5.50	2	-2	1.46	2.22	1.26	0.044	95	0.36	114	16	0.402
400520	-0.3	0.4	47	1217	-1	34	17	61	7.45	-1	-2	10.93	0.20	4.00	0.043	335	0.86	306	26	2.043
400521	-0.3	-0.3	53	1279	4	24	9	46	5.24	-1	-2	18.57	0.12	2.32	0.028	213	0.54	208	22	1.012
400522	0.3	2.1	230	1284	21	119	18	174	3.48	-1	-2	7.48	0.20	2.11	0.274	129	0.16	395	35	3.283
400523	1.3	4.5	435	1116	63	324	53	291	2.16	4	-2	2.79	0.79	0.80	0.263	80	0.15	679	44	11.778
400524	0.6	3.6	413	1900	7	134	19	365	3.08	3	-2	3.89	0.10	1.74	0.286	63	0.20	324	75	7.327
400525	-0.3	1.3	143	2162	4	47	44	193	4.85	2	-2	3.75	0.80	1.60	0.074	98	0.20	177	37	2.841
400526	1.0	6.1	218	721	37	118	113	456	3.29	3	-2	2.22	1.51	0.55	0.434	47	0.28	660	55	18.477
400527	-0.3	-0.3	120	598	20	52	7	21	3.35	1	-2	2.13	0.26	1.71	0.081	60	0.32	81	17	0.144
400528	-0.3	0.5	44	1457	2	29	26	117	4.28	2	3	14.54	0.28	1.19	0.023	226	0.27	67	20	0.255
328151	118.7	5.3	8595	69	4	46	84	45	1.78	1	-2	0.03	1.44	0.08	0.011	21	0.06	7	6	16.057
328151 (PULP DUP)	112.6	4.9	8546	72	4	46	79	44	1.76	1	-2	0.02	1.42	0.08	0.008	21	0.06	7	6	15.974
328152	-0.3	-0.3	13	115	-1	3	4	5	0.28	-1	-2	0.29	0.07	0.03	0.001	22	-0.01	6	1	0.016
328153	-0.3	-0.3	12	179	-1	-1	28	6	5.65	3	-2	0.41	6.10	0.33	0.036	93	0.20	13	13	0.019
328154	0.3	-0.3	54	264	3	40	36	33	2.02	-1	-2	0.91	0.69	0.69	0.014	54	0.08	49	8	0.333
328155	-0.3	0.5	39	581	1	67	7	20	1.32	-1	-2	1.27	0.20	0.53	0.008	86	0.06	16	4	0.474
328156	4.5	5.2	15900	334	3	22110	3	236	0.40	-1	11	0.55	0.02	0.74	-0.001	9	0.03	77	-1	14.480
328157	0.5	-0.3	376	359	150	57	-3	27	1.50	-1	-2	1.15	0.12	0.60	0.010	36	0.14	87	4	0.228
328158	-0.3	-0.3	213	1597	105	68	5	79	4.49	-1	-2	5.53	0.27	3.06	0.013	81	0.50	281	42	9.213
328159	-0.3	-0.3	23	1684	2	70	4	88	7.25	-1	-2	7.27	1.23	3.08	0.021	215	0.32	157	12	0.155
328160	1.0	-0.3	45	4195	3	11	37	84	5.93	-1	-2	0.90	0.67	2.54	0.031	108	0.44	192	31	1.437
328160/R	1.1	0.3	43	3996	1	13	48	81	5.42	-1	-2	0.92	0.63	2.43	0.032	110	0.43	187	29	1.411
328161	-0.3	0.3	11	391	-1	9	15	74	3.01	-1	-2	0.50	0.80	0.84	0.021	30	0.21	181	3	0.830
328162	-0.3	0.5	16	375	1	28	5	83	1.76	-1	-2	0.49	0.57	0.90	0.043	21	0.05	65	5	4.502
328163	-0.3	-0.3	233	1276	3	71	36	82	6.73	-1	2	4.90	0.82	2.89	0.030	280	0.43	317	18	1.124
328164	1.4	29.6	473	2413	49	61	385	2720	4.30	3	5	17.29	1.90	1.22	0.016	279	0.18	177	14	2.394
328165	-0.3	-0.3	19	91	86	3	9	11	4.64	3	-2	1.23	1.00	0.62	0.059	400	0.26	68	6	0.199
328166	-0.3	-0.3	146	93	5	14	3	7	0.21	-1	3	0.47	-0.01	0.22	0.005	17	-0.01	6	-1	0.611
328167	-0.3	0.5	14	51	433	3	15	28	1.39	-1	-2	0.41	0.30	0.05	0.010	186	0.05	11	3	3.199
328168	0.8	-0.3	468	277	62	1	13	7	5.18	2	3	3.09	1.00	0.44	0.032	475	0.44	234	11	1.610
328169	-0.3	-0.3	18	27	877	3	-3	-1	0.24	-1	-2	0.01	0.10	-0.01	-0.001	31	-0.01	3	-1	6.052
328170	1.1	2.4	77	427	22	64	98	443	1.04	-1	2	0.05	0.19	0.32	0.016	6	0.07	69	6	22.227
328171	-0.3	-0.3	9	41	5	3	6	7	0.37	-1	-2	0.02	0.21	0.04	0.004	2	0.04	30	-1	0.281
328172	-0.3	-0.3	41	527	3	88	20	68	5.72	1	-2	10.36	1.21	2.08	0.036	261	0.32	89	14	0.498
401201	-0.3	-0.3	15	410	6	5	40	16	6.74	2	-2	2.96	2.09	0.39	0.047	1557	0.20	52	9	0.377
401202	-0.3	-0.3	58	472	10	9	28	18	7.35	2	-2	3.50	1.57	0.60	0.060	1593	0.24	67	10	0.536
401202/R	-0.3	-0.3	57	474	10	8	34	17	6.79	2	-2	3.62	1.53	0.56	0.057	1565	0.24	68	9	0.514
401203	-0.3	-0.3	6	337	1	34	11	21	7.19	2	3	2.24	1.23	1.44	0.078	641	0.27	61	10	0.436
401204	-0.3	-0.3	45	305	2	7	12	20	6.07	2	8	1.87	1.51	0.86	0.060	771	0.25	48	9	0.652
401205	-0.3	2.2	127	1733	9	76	37	251	3.20	-1	-2	0.47	0.02	2.71	0.058	15	0.18	131	17	10.886
401206	-0.3	-0.3	13	279	-1	2	11	23	5.33	-1	-2	0.62	1.13	0.87	0.020	39	0.57	276	8	4.561
401207	-0.3	-0.3	48	924	11	-1	27	96	6.31	1	-2	0.75	1.88	2.92	0.073	35	0.66	68	24	2.317
401208	-0.3	-0.3	18	309	5	5	23	23	11.29	3	-2	1.86	3.28	0.90	0.069	653	0.25	48	14	0.143
401208 (PULP DUP)	-0.3	-0.3	19	318	5	6	26	23	10.75	3	3	1.83	3.23	0.88	0.066	691	0.27	49	14	0.145
G-2 cert	0.04	0.016	11	232	(1.1	(5	30	86	8.147	2.5	0.037	1.401	3.718	0.452	0.061	478	0.288	36	11	(0.01
G-2	-0.3	-0.3	12	256	2	-1	41	92	8.64	3	-2	1.40	3.90	0.48	0.049	486	0.29	35	8	0.012
SDC-1 cert	0.041	(.08	30	883	(.25	38	25	103	8.338	3.0	0.26	1.001	2.722	1.019	0.069	183	0.606	102	40	0.065

Negative values indicate less than the reporting limit
99999 indicates greater than 10%

Activation Laboratories Ltd. Work Order No. 20535 Report No. 20285B

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Si	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
SDC-1	-0.3	-0.3	30	867	-1	36	35	102	7.14	3	-2	1.01	2.80	0.98	0.053	179	0.62	99	32	0.069
DNC-1 cert	(.027	(.182	96	1154	(.7	247	6.3	66	9.687	1	(.02	8.055	0.19	6.06	0.037	145	0.287	148	18	(0.039
DNC-1	-0.3	-0.3	90	1020	1	267	6	58	8.75	-1	-2	7.86	0.19	5.69	0.024	130	0.29	144	16	0.059
SCO-1 cert	0.134	0.14	28.7	410	1.37	27	31	103	7.24	1.84	0.37	1.87	2.30	1.64	0.090	174	0.38	131	26	0.063
SCO-1	-0.3	-0.3	27	390	2	28	39	101	6.64	2	-2	1.82	2.31	1.65	0.076	152	0.35	136	20	0.069
GXR-6 cert	1.3	(1	66	1008	2.4	27	101	118	17.68	1.4	(.29	0.179	1.87	0.61	0.035	35	0.498	186	14	0.016
GXR-6	0.5	-0.3	64	983	3	26	109	124	6.89	1	-2	0.09	1.60	0.33	0.060	25	0.48	190	4	0.013
GXR-2 cert	17	4.1	76	1008	(2.1	21	690	530	16.46	1.7	(.69	0.929	1.37	0.85	0.105	160	0.3	52	17	0.031
GXR-2	17.0	3.6	80	1024	2	15	732	554	12.86	2	-2	0.95	1.47	0.87	0.060	154	0.30	54	17	0.033
GXR-1 cert	31	3.3	1110	853	18	41	730	760	3.52	1.22	1380	0.958	0.05	0.22	0.065	275	0.036	80	32	0.257
GXR-1	29.3	4.2	1126	1005	18	41	727	719	2.02	1	1554	0.93	0.05	0.20	0.050	284	0.03	82	31	0.246
GXR-4 cert	4	(.86	6520	155	310	42	52	73	7.20	1.9	19	1.01	4.01	1.66	0.120	221	0.29	87	14	1.770
GXR-4	2.8	-0.3	6021	137	308	40	51	68	5.92	2	15	0.98	4.07	1.70	0.110	212	0.25	88	13	1.687

Sample ID	Au	Pt	Pd
	ppb	ppb	ppb
400180	-1	-5	-4
400181	179	-5	-4
400182	7	7	7
400183	93	5	4
400513	-1	-5	6
328156	115	531	1750
328157	40	10	-4
328158	3	-5	5
328159	-1	6	-4



Invoice No.: 20481
Work Order: 20746
Invoice Date: 17-OCT-00
Date Submitted: 26-SEP-00
Your Reference: NONE
Account Number: 2749

CREW DEVELOPMENT CORPORATION
O.H. BANGSVEI 54-58
N-1363 HOEVIK, NORWAY
ATTN: DENIS SCHLATTER

CERTIFICATE OF ANALYSIS

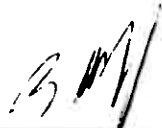
188 SEDIMENTS (PREP.REV3) were submitted for analysis.
9 ROCKS (PREP.REV3) were submitted for analysis.

The following analytical packages were requested. Please see
current fee schedule for elements and detection limits.

REPORT 20481 CODE 1H INAA (INAAGEO.REV1)
REPORT 20481 B TOTAL DIGESTION ICP (TOTAL.REV2)
REPORT 20481 C CODE 1C-EXPL.-FIRE ASSAY ICP/OES

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portions of the report are reproduced, permission must be obtained.
If no instructions were given at time of sample submittal regarding
excess material, it will be discarded within 90 days of this report.
Our liability is limited solely to the analytical cost of these analyses.
Test results are representative only of material submitted for analysis.

CERTIFIED BY :


DR E. HOFFMAN / GENERAL MANAGER

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613

E MAIL ancaster@actlabs.com ACTLABS GROUP WEBSITE <http://www.actlabs.com>

Activation Laboratories Ltd. Work Order: 20746 Report: 20481

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	W ppm
328051	-2	-5	6.5	530	-0.5	-1	7	132	7	7.82	4	-1	-5	39	0.57	-37	149	0.5	18.9	-3	-0.01	-0.05	-0.5	13.9	19.9	4
328052	14	-5	20	180	-0.5	-1	29	37	-1	19.9	1	-1	-5	61	0.14	314	-15	4.4	6.2	8	-0.01	-0.05	-0.5	2.9	9.5	-1
328053	-2	-5	11.2	-50	-0.5	3	5	6	-1	2.19	3	-1	-5	-1	3.09	-33	37	0.4	17	-3	-0.01	-0.05	-0.5	1.3	-0.5	-1
328054	-2	-5	1.9	150	-0.5	-1	-1	-5	-1	1.19	2	-1	-5	-1	4.21	-34	-15	-0.1	8	-3	-0.01	-0.05	-0.5	1.2	-0.5	-1
328055	-2	-5	5.8	130	-0.5	5	52	14	2	5.06	2	-1	-5	8	3.35	-45	40	-0.1	40.3	-3	0.02	0.07	-0.5	1	-0.5	-1
328056	5	-5	2210	130	-0.5	3	102	11	1	9.26	2	-1	-5	-1	2.89	-50	-15	-0.2	53.6	-3	0.02	0.05	-0.5	0.7	-0.5	-1
328057	16	-5	1320	80	-0.5	3	71	-5	-1	5.48	2	-1	-5	-1	1.31	-50	-15	-0.1	18.5	-3	-0.02	-0.05	-0.5	1.5	4.2	-1
328058	-2	-5	3	-50	-0.5	7	41	12	-1	8.19	1	-1	-5	12	1.25	-39	-15	-0.2	44.9	-3	-0.01	0.05	-0.5	1.1	2.4	-1
328059	-2	-5	2.6	150	-0.5	-1	8	18	-1	3.85	2	-1	-5	-1	4	-37	-15	-0.2	18.2	-3	0.01	0.05	-0.5	1.6	0.5	-1
400451	-2	-5	4.1	300	10.6	2	12	106	-1	3.28	7	-1	-5	-1	2.31	-31	-15	1.4	22	-3	-0.01	0.05	0.5	3.1	2.7	-1
400452	-2	-5	5.9	330	10.8	2	13	60	2	3.49	8	-1	-5	-1	2.3	-30	65	-0.2	17.8	-3	-0.01	-0.05	1.7	5	3.1	-1
400453	62	-5	57	450	30.8	2	105	128	3	14.8	6	-1	-5	15	1.68	-55	42	19.2	19.3	-3	-0.01	-0.05	-0.5	6.6	2.1	-1
400454	77	-5	39.1	390	19.8	4	54	328	-1	12.7	3	-1	-5	5	1.9	143	76	1.4	33.9	-3	-0.01	-0.05	-0.5	13.2	3.3	-1
400455	5	-5	3.8	270	15.9	4	19	182	-1	4.45	7	-1	-5	-1	2.58	-33	-15	-0.2	31.6	-3	-0.01	-0.05	-0.5	5.1	2	-1
400456	18	-5	3.6	290	19.7	3	17	124	2	4.44	7	-1	-5	-1	2.55	-33	71	0.4	27.4	-3	-0.01	0.05	-0.5	6.9	2.7	-1
400457	12	-5	1.5	200	9.9	4	22	193	3	5.3	5	-1	-5	-1	2.58	107	-15	-0.2	33.3	-3	-0.01	0.05	-0.5	7.1	2.9	-1
400458	-2	-5	2.6	280	18	2	20	210	-1	5.23	7	-1	-5	-1	2.65	-34	42	0.5	33.5	-3	-0.01	-0.05	1.8	5.8	3.2	-1
400459	165	-5	4.6	310	14.5	2	40	315	2	6.96	4	-1	-5	-1	2.53	-41	50	-0.2	40.1	-3	-0.01	0.05	-0.5	5.5	2.4	-1
400460	8	-5	3	390	9.9	3	24	73	1	4.86	6	-1	-5	-1	2.61	-32	54	0.4	27.8	-3	0.01	0.05	1.3	4.8	2.5	-1
400461	-2	-5	5.8	300	10	2	26	219	2	5.64	7	-1	-5	-1	2.72	82	63	0.3	24.5	-3	-0.01	-0.05	-0.5	3.6	2.5	-1
400462	-2	-5	5.4	230	32.1	4	25	219	-1	5.76	4	-1	-5	-1	3.44	89	-15	-0.2	41.7	-3	-0.01	-0.05	-0.5	1.9	-0.5	-1
400463	-2	-5	5.5	130	17.9	2	36	270	-1	6.53	3	-1	-5	-1	3.18	71	-15	0.7	48.5	-3	-0.01	-0.05	-0.5	1.2	-0.5	-1
400464	-2	-5	3.7	300	14.3	4	26	135	-1	6.03	6	-1	-5	-1	3.04	-34	-15	-0.2	43.5	-3	-0.01	-0.05	1.5	2	1.5	-1
400465	-2	-5	3.9	160	17.9	4	32	150	2	6.29	5	-1	-5	-1	3.1	-38	-15	-0.2	52	-3	-0.01	0.06	-0.5	2.4	2.1	-1
400466	-2	-5	2.4	200	14.3	5	26	292	1	6.93	3	-1	-5	-1	2.95	-38	-15	0.4	51.6	-3	-0.01	0.05	-0.5	7.1	3.2	-1
400467	132	-5	2	190	13.9	4	22	262	-1	5.88	3	-1	-5	-1	2.79	-35	-15	-0.2	43.7	-3	-0.01	-0.05	-0.5	5.9	1.4	-1
400468	-2	-5	1.3	430	5.8	3	13	112	1	4.01	9	-1	-5	-1	2.46	-29	-15	0.2	28.5	-3	-0.01	-0.05	-0.5	9.3	3.5	-1
400469	-2	-5	4.8	250	7	4	32	217	1	6.57	2	-1	-5	-1	3.09	-35	45	-0.2	38	-3	-0.01	-0.05	-0.5	3.8	1	-1
400480	-2	-5	1.3	270	10	3	19	107	2	5.15	10	-1	-5	3	1.79	-27	47	0.2	20.1	-3	-0.01	-0.05	1.2	4.9	1.5	-1
400483	-2	-5	1.6	140	4.6	3	19	96	-1	4.17	5	-1	-5	-1	1.95	-27	-15	-0.2	16.1	-3	-0.01	0.05	-0.5	5.4	2.4	-1
400484	-2	-5	0.9	190	4.1	2	13	87	2	3.48	5	-1	-5	-1	1.85	-26	-15	-0.2	17.1	-3	-0.01	-0.05	-0.5	6.1	2.2	-1
400485	-2	-5	1	170	2.7	2	15	94	2	3.76	5	-1	-5	-1	1.92	-27	-15	-0.2	18	-3	-0.01	-0.05	0.5	5.9	1.9	-1
400486	-2	-5	1.8	200	4	2	13	78	2	3.48	4	-1	-5	-1	1.84	-25	31	-0.2	16.6	-3	-0.01	-0.05	0.7	6.1	1.9	-1
400487	-2	-5	2.7	230	3.3	2	16	93	1	4.24	5	-1	-5	-1	1.71	-25	35	-0.2	16.9	-3	-0.01	-0.05	1.1	4.5	2.3	-1
400488	-2	-5	2.6	250	4.1	3	21	95	2	4.62	4	-1	-5	-1	1.81	-26	43	-0.2	16.4	-3	-0.01	0.05	0.5	6.5	2.5	-1
400489	6	-5	1.5	160	11.2	3	22	68	-1	6.46	4	-1	-5	-1	1.78	-24	-15	-0.1	22.5	-3	-0.01	-0.05	-0.5	2.2	1.2	-1
400490	-2	-5	1.1	220	4.3	3	19	42	-1	4.5	4	-1	-5	-1	3.23	-27	-15	-0.1	18.2	-3	-0.01	-0.05	1.8	4.6	1.4	-1
400491	-2	-5	-0.5	150	6.9	3	16	368	1	3.82	5	-1	-5	-1	2.53	-24	-15	-0.1	14.4	-3	-0.01	-0.05	1.9	3.8	1.2	-1
400492	-2	-5	7.7	170	11.1	2	20	617	-1	4.89	9	-1	-5	-1	1.71	23	-15	-0.1	14.6	-3	0.01	0.05	2	2.3	2	-1
400493	-2	-5	2.2	180	4.5	2	19	894	-1	3.71	8	-1	-5	-1	1.81	22	30	0.2	14	-3	0.01	0.05	1.2	3.5	1	-1
400494	-2	-5	2.4	230	4.6	1	17	608	-1	3.42	7	-1	-5	-1	2.11	-22	-15	-0.1	13.3	-3	0.01	-0.05	1.6	3.2	1.1	-1
399597	-2	-5	2.2	170	6.7	3	17	118	2	7.79	47	-1	-5	-1	1.97	60	-15	-0.1	29	7	-0.01	-0.05	1.5	2.4	2.2	-1
400598	7	-5	2.2	140	6.8	4	28	76	1	8.29	5	-1	-5	-1	1.82	-26	26	0.2	19.1	-3	-0.01	0.05	0.5	2.9	1.4	-1
400599	2	-5	2	120	6.3	4	20	93	-1	6.64	10	-1	-5	-1	1.78	-26	24	0.3	23.4	-3	-0.01	0.05	1.4	2.7	1.1	-1
400470	-2	-5	2.7	280	8.3	2	26	127	3	5.57	6	-1	-5	-1	1.77	118	52	-0.1	18.3	-3	-0.01	-0.05	-0.5	5.1	2	-1
400471	30	-5	26.7	130	6.5	4	31	246	-1	7.44	4	-1	-5	5	2.65	109	-15	-0.1	19.9	-3	-0.01	-0.05	1.9	4.6	1.1	-1
400472	-2	-5	3.5	240	2.2	3	14	58	-1	3.73	5	-1	-5	-1	2.86	-29	-15	0.6	23.5	-3	-0.01	-0.05	-0.5	3.2	0.8	-1
400473	-2	-5	1.4	170	4.6	4	17	23	-1	4.65	3	-1	-5	-1	3.09	-28	-15	-0.1	16	-3	-0.01	0.05	2.5	5.3	1.8	-1
400474	8	-5	3.2	170	5.8	2	14	64	-1	3.83	5	-1	-5	-1	2.23	-23	-15	-0.1	11.7	-3	-0.01	-0.05	1.2	3.3	0.9	-1
400475	-2	-5	1.5	240	5	3	14	53	2	4.17	4	-1	-5	-1	3.41	-28	-15	-0.1	16.1	-3	-0.01	-0.05	2	4.1	1.3	-1
400476	15	-5	3.5	340	15.8	1	8	122	2	4.27	4	-1	-5	-1	1.17	-25	61	-0.1	13.6	-3	-0.01	-0.05	0.9	3.4	0.9	-1
400477	-2	-5	-0.5	150	15.3	2	8	136	2	3.13	4	-1	-5	-1	1.23	-22	43	-0.1	12.2	-3	-0.01	-0.05	-0.5	2.8	1.6	-1
400479	25	-5	2.2	210	6.6	3	17	117	-1	4.43	6	-1	-5	-1	1.62	-24	26	-0.1	18.3	-3	-0.01	0.05	1.6	4	1	-1
400560	5	-5	2.3	170	11.9	3	23	123	-1	6.37	6	-1	-5	-1	1.75	-25	-15	0.2	22.8	-3	-0.01	0.05	1.1	3	0.8	-1
400561	6	-5	2.4	170	9.2	3	20	101	-1	4.22	5	-1	-5	-1	1.68	-23	20	-0.1	18	-3	-0.01	0.05	0.5	4	1.5	-1
400562	-2	-5	3.1	200	13.4	5	31	112	-1	9.43	13	-1	-5	-1	1.94	-31	-15	-0.1	34.5	-3	0.01	0.05	1.1	2.4	1.8	-1

Activation Laboratories Ltd. Work Order: 20746 Report: 20481

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mn ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	W ppm
400563	-2	-5	-0.5	210	7.9	3	24	132	-1	5.2	9	-1	-5	-1	2.3	65	-15	-0.1	23.4	-3	-0.01	0.05	-0.5	3	-0.5	-1
400564	-2	-5	2.5	200	3.8	3	21	146	-1	5.43	11	-1	-5	-1	1.87	54	47	-0.1	22.6	-3	0.01	0.05	1.2	4.2	2	-1
400565	-2	-5	2.7	170	3.2	3	18	120	-1	4.47	7	-1	-5	-1	1.77	70	28	0.2	18.3	-3	-0.01	-0.05	1.7	4.3	1	-1
400566	8	-5	2.3	270	6.7	3	21	121	1	4.91	10	-1	-5	-1	1.99	-26	45	-0.1	21.8	-3	-0.01	-0.05	1.5	3.4	1	-1
400567	-2	-5	5.1	300	5.1	1	22	395	4	4.89	5	-1	-5	-1	0.99	176	60	-0.1	16.5	-3	-0.01	-0.05	1.1	3.5	1.9	-1
400568	-2	-5	1.1	-50	4.6	4	16	46	-1	4.9	4	-1	-5	-1	2.89	-28	-15	-0.1	25.5	-3	0.01	0.05	1.2	1.2	-0.5	-1
400569	8	-5	1.7	120	9.6	-1	19	63	-1	6.46	4	-1	-5	-1	1.73	-26	-15	-0.1	24.9	-3	-0.01	-0.05	-0.5	2.5	0.9	-1
400570	-2	-5	3.3	110	9.1	4	39	126	-1	7.47	3	-1	-5	-5	2.14	-30	-15	-0.1	33.7	-3	0.01	0.05	-0.5	2.5	0.9	-1
400571	-2	-5	1.6	160	6.6	4	22	79	-1	5.42	5	-1	-5	-1	2.16	-26	-15	-0.1	25	-3	-0.01	-0.05	1.1	1.9	1.2	-1
400572	-2	-5	1.7	160	9.4	4	24	106	-1	5.55	6	-1	-5	3	2.13	60	33	-0.1	25.9	-3	-0.01	-0.05	-0.5	1.8	1.3	-1
400551	-2	-5	1.5	210	5.1	3	15	97	2	3.88	7	-1	-5	-1	1.95	-27	23	0.1	20	-3	0.01	0.05	-0.5	9	2.3	-1
400552	8	-5	-0.5	220	7.5	2	15	100	2	3.67	6	-1	-5	-1	2.02	-26	28	0.1	16.9	-3	-0.01	0.05	1.5	6.9	3.1	-1
400553	-2	-5	2.1	190	3.4	3	14	102	1	3.82	5	-1	-5	-1	1.92	-25	43	0.1	18	-3	0.01	0.05	1.3	7.3	1.7	-1
400554	-2	-5	1.4	230	5.1	2	14	99	2	3.65	5	-1	-5	-1	1.96	-25	-15	-0.1	16.9	-3	-0.01	-0.05	-0.5	7.3	1.9	-1
400555	4	-5	1.5	200	12.7	3	31	95	-1	5.34	5	-1	-5	-1	2.55	-25	-15	-0.1	24.2	-3	-0.01	-0.05	1.4	2.3	1.2	-1
400556	-2	-5	1.3	110	7.3	3	31	50	-1	4.56	3	-1	-5	-1	2.51	-26	-15	-0.1	23.2	-3	-0.01	-0.05	1.7	1.6	-0.5	-1
400557	10	-5	5	200	8.4	3	18	106	1	3.94	6	-1	-5	-1	1.72	-23	-15	0.2	17.2	-3	-0.01	-0.05	-0.5	3.4	1.5	-1
400558	-2	-5	3	170	13.4	3	18	109	1	3.49	7	-1	-5	-1	1.65	-22	-15	-0.1	16	-3	0.01	-0.05	-0.5	2.8	1.7	-1
400559	-2	-5	3.9	170	19.4	3	26	162	1	4.79	6	-1	-5	-1	1.88	-24	22	-0.1	22.7	-3	0.01	-0.05	-0.5	2.8	1.5	-1
400601	19	-5	3.6	170	8.2	4	49	138	-1	6.34	6	-1	-5	-1	2.64	-29	29	0.2	30.1	-3	-0.01	-0.05	1	3.1	-0.5	-1
400602	-2	-5	5.1	190	8.6	2	25	92	1	4.53	8	-1	-5	4	1.74	-23	-15	0.2	17.2	-3	-0.01	-0.05	1.6	3.3	2.2	-1
400603	-2	-5	2.4	230	4	3	32	106	1	5.66	5	-1	-5	-1	2.44	-25	28	-0.1	23	-3	0.01	-0.05	1.5	3.3	1.7	-1
400604	-2	-5	5.2	160	8.2	3	24	152	2	4.53	7	-1	-5	-1	1.68	92	46	-0.1	18.8	-3	0.01	-0.05	-0.5	3.2	1.6	-1
400605	-2	-5	11	200	6	3	56	263	2	5.19	5	-1	-5	2	1.55	190	41	-0.1	20.6	-3	-0.01	-0.05	0.5	3.4	1.1	-1
400606	-2	-5	8.6	230	6.7	4	48	248	2	4.77	6	-1	-5	2	1.47	162	36	0.3	21.1	-3	-0.01	-0.05	0.9	2.5	1.1	-1
400607	-2	-5	17.4	170	6.1	4	42	216	3	5.11	6	-1	-5	-1	1.74	201	31	0.1	20.9	-3	-0.01	-0.05	-0.5	3.5	1.6	-1
400608	-2	-5	4.1	240	9.6	3	48	99	1	4.93	8	-1	-5	-1	1.92	-24	34	0.2	19.9	-3	-0.01	-0.05	1.1	3.7	1.7	-1
400609	-2	-5	3	160	8.3	5	40	77	-1	6.52	6	-1	-5	-1	2.06	-25	-15	0.3	26.4	-3	-0.01	-0.05	-0.5	3.2	1.7	-1
400610	3	-5	1.9	180	5.6	4	21	82	-1	5.41	7	-1	-5	-1	2.05	-41	24	-0.1	22.2	-3	-0.01	-0.05	1.5	3.2	1.5	-1
400611	-2	-5	8.6	190	6.2	2	21	92	1	4.87	7	-1	-5	4	1.64	-22	36	-0.1	14.2	-3	-0.01	-0.05	0.9	4.7	1.5	-1
400612	-2	-5	3	200	5.7	2	17	104	2	3.74	12	-1	-5	-1	1.67	85	26	0.2	15.6	-3	-0.01	-0.05	1.6	5.7	2.2	-1
400301	-2	-5	2.6	440	6.9	3	16	66	3	5.12	10	-1	-5	-1	2.14	-24	79	0.5	23.5	-3	-0.01	0.07	1.3	7.1	6.3	-1
400302	-2	-5	1.1	340	5	3	11	60	2	4.58	12	-1	-5	-1	2.01	-21	56	0.3	22.8	-3	-0.01	-0.05	1.2	5.6	5.3	-1
400303	3	-5	1.2	410	2.2	3	9	56	2	3.81	13	-1	-5	-1	2.22	-22	56	0.4	21.8	-3	-0.01	0.06	1.7	5.3	4.8	-1
400304	8	-5	2.5	520	5.6	3	18	316	4	4.18	6	-1	-5	-1	2.85	109	59	0.6	27.4	-3	-0.01	-0.05	-0.5	15	5.4	-1
400305	-2	-5	2.2	610	4.3	3	12	82	4	3.12	5	-1	-5	-1	2.68	-23	101	0.7	19.1	-3	-0.01	-0.05	1.5	11.2	3.7	-1
400306	7	-5	18.9	550	8.5	3	15	79	4	4.38	7	-1	-5	11	1.74	-21	114	1.5	18.2	-3	-0.01	-0.05	0.9	10.5	10.3	4
400307	15	-5	2.6	270	9.4	3	12	52	2	3.8	9	-1	-5	-1	1.92	-21	87	0.3	17	-3	0.01	-0.05	2	7.3	12.8	-1
400308	-2	-5	2.9	350	8.1	2	9	41	2	3.1	10	-1	-5	8	1.91	-20	74	0.3	13.1	-3	-0.01	-0.05	1.7	6.6	9.1	-1
400309	10	-5	2	340	5.8	2	8	38	2	3.13	17	-1	-5	-1	1.97	-20	66	0.2	14.6	-3	-0.01	-0.05	1.6	5.8	7.3	-1
400310	-2	-5	1.8	610	6.2	4	22	417	4	4.53	6	-1	-5	-1	3.11	158	74	0.6	31.5	-3	-0.01	0.1	-0.5	17.5	5.3	-1
400311	-2	-5	9.6	120	14.9	2	18	82	-1	4.71	10	-1	-5	-1	1.66	-20	26	0.2	19.2	-3	-0.01	-0.05	1.6	4.9	3.1	-1
400312	6	-5	9.7	210	22.9	3	16	79	2	4.69	9	-1	-5	-1	1.78	-22	35	0.4	18.4	-3	-0.01	-0.05	0.9	4.7	3.7	-1
400313	3	-5	6	300	18.5	3	16	78	2	4.51	11	-1	-5	-1	1.8	-20	31	0.5	18	-3	-0.01	-0.05	-0.5	4.7	3.6	-1
400314	-2	-5	7.1	260	15.5	3	15	78	1	4.76	12	-1	-5	3	1.87	-20	20	0.4	18.5	-3	-0.01	-0.05	-0.5	5	3.8	-1
400315	13	-5	14.4	220	17.4	2	18	70	1	4.2	11	-1	-5	23	1.67	-20	36	0.5	17.5	-3	-0.01	-0.05	1.4	4.7	3.7	11
400316	-2	-5	4.3	210	13.1	3	18	110	-1	4.67	15	-1	-5	-1	1.63	56	23	0.2	19.4	-3	-0.01	-0.05	1.5	4	2.4	-1
400317	-2	-5	4.9	290	11.6	3	19	130	-1	5.47	20	-1	-5	-1	1.69	-20	33	0.3	22.4	-3	-0.01	0.07	1.5	4.3	2.4	-1
400318	-2	-5	23.9	210	12.8	3	16	100	-1	9.42	13	-1	-5	2	1.25	-20	16	0.4	19.7	-3	-0.01	-0.05	1.4	3.2	2.8	-1
400319	-2	-5	181	100	32.8	-1	4	59	-1	34.7	6	-1	-5	6	0.29	-20	-15	1	6.6	-3	-0.01	-0.05	-0.5	2.8	-0.5	-1
400320	-2	-5	3	220	15.1	2	18	65	-1	5.71	9	-1	-5	-1	1.75	-20	15	0.4	22.5	-3	-0.01	-0.05	-0.5	2.8	1.7	-1
400321	106	-5	3.2	220	12.7	3	16	85	-1	5.08	15	-1	-5	3	1.58	-20	31	0.4	20.7	-3	-0.01	-0.05	0.9	3.3	2.2	-1
328109	-2	-5	6.1	340	22.6	3	20	75	2	4.21	11	-1	-5	9	1.88	50	25	0.3	16.9	-3	-0.02	-0.05	1.5	4.5	9.4	-1
328110	2	-5	2.9	220	12.8	3	14	77	-1	4.15	12	-1	-5	6	1.71	-20	26	0.3	17.6	-3	-0.01	-0.06	1	3.5	4	-1
328111	-2	-5	6.1	260	18.3	3	22	128	-1	5.02	12	-1	-5	2	1.82	-32	29	0.2	20.9	-3	-0.01	-0.05	1.4	3.2	1.7	-1
328112	5	-5	3.5	370	19.3	4	21	128	-1	5.17	12	-1	-5	-1	1.87	-34	42	0.2	22.6	-3	-0.01	-0.05	1.3	4.2	1.9	-1

Activation Laboratories Ltd. Work Order: 20746 Report: 20481

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	W ppm
328113	-2	-5	5.6	230	12	3	17	88	-1	4.7	7	-1	-5	6	1.78	-30	32	0.4	18.1	-3	-0.01	-0.05	1.1	4.2	3	-1
328114	-2	-5	20.9	300	48.5	2	28	164	3	5.87	4	-1	-5	-1	1.48	78	20	0.9	25.4	-3	-0.01	-0.05	1.4	3.7	3.2	-1
328140	12	-5	40.5	150	13.9	-1	67	72	-1	8.94	2	-1	-5	-1	1.59	-37	-15	5.1	34.4	-3	0.01	-0.05	1	0.8	-0.5	-1
328142	-2	-5	25.2	260	35	3	43	151	2	11.4	7	-1	-5	-1	1.98	84	-15	0.5	34.9	-3	0.02	-0.05	1.5	1.8	-0.5	-1
328143	17	-5	128	380	75.8	4	63	92	2	10.5	3	-1	-5	-1	1.54	80	-15	1.5	29.8	-3	-0.01	-0.05	-0.5	2	1.2	-1
328144	-2	-5	171	180	51.8	2	66	94	1	10.3	3	-1	-5	-1	1.76	100	-15	1.6	29.5	-3	-0.01	-0.05	-0.5	2	0.7	-1
328145	16	-5	38	270	37.8	2	46	264	-1	8.5	4	-1	-5	-1	2.09	131	38	0.9	23.2	-3	0.01	-0.05	-0.5	2.4	1	-1
328146	117	-5	4.1	220	20.6	5	39	118	2	10.2	4	-1	-5	-1	1.83	65	-15	0.2	39.4	-3	0.01	-0.05	1.4	0.2	-0.5	5
328147	18	-5	9.2	170	18.4	5	50	132	3	10.6	3	-1	-5	-1	1.7	77	-15	0.2	41.5	-3	0.01	-0.05	1.4	1	1.8	3
328148	655	-5	4.3	200	24.7	6	37	87	2	9.89	3	-1	-5	-1	1.96	-36	-15	0.4	40.4	-3	-0.01	-0.05	0.8	-0.2	-0.5	9
328149	8	-5	105	150	53.4	3	117	104	-1	8.01	3	-1	-5	6	1.7	137	-15	1.5	31.7	-3	0.02	-0.05	-0.5	0.2	-0.5	-1
328150	-2	-5	94.1	220	46.1	3	68	277	3	11.7	3	-1	-5	-1	1.64	200	-15	0.9	36.9	-3	0.01	-0.05	1.2	2	1.1	-1
400333	-2	-5	8.9	100	8.7	3	44	244	2	10.4	3	-1	-5	-1	1.93	158	-15	0.4	46.9	-3	-0.01	-0.05	1.3	0.8	-0.5	-1
400334	-2	-5	32.3	100	12.6	3	38	112	-1	11.2	4	-1	-5	-1	1.89	61	-15	0.3	46.2	-3	-0.01	-0.05	-0.5	1.2	-0.5	-1
400335	26	-5	42.7	130	41.6	3	64	249	-1	11.3	3	-1	-5	-1	1.74	132	-15	0.5	40.1	-3	-0.01	-0.05	1.1	1.5	-0.5	-1
400336	-2	-5	10.7	100	14.4	4	44	100	2	9.89	2	-1	-5	-1	1.9	65	-15	0.3	35.8	-3	-0.01	-0.05	1.1	2	-0.5	-1
400337	-2	-5	15.4	100	24.7	4	34	145	-1	9.78	6	-1	-5	-1	1.48	84	-15	0.4	33.5	-3	-0.02	-0.05	1	1.7	-0.5	-1
400338	-2	-5	15.6	120	37.8	4	56	208	-1	12.6	3	-1	-5	-1	1.6	130	-15	0.7	49.9	-3	-0.02	-0.05	0.7	1.8	1.4	-1
400339	-2	-5	18	180	34	3	40	159	-1	11.2	6	-1	-5	-1	1.51	81	-15	0.5	39.1	-3	-0.01	-0.05	0.8	1.6	-0.5	-1
400340	12	-5	19.7	100	27	4	50	165	-1	11.3	5	-1	-5	-1	1.62	83	-15	0.6	43.4	-3	-0.01	-0.05	-0.5	1.6	-0.5	-1
400341	-2	-5	21.2	190	20.8	4	54	147	1	10.6	4	-1	-5	-1	1.58	100	-15	0.7	41.1	-3	-0.01	-0.05	-0.5	1.6	1	-1
400342	-2	-5	7.8	170	31.6	2	39	134	2	9.92	3	-1	-5	-1	1.86	74	-15	0.7	35.5	-3	-0.01	-0.05	-0.5	2.8	-0.5	-1
400343	-2	-5	8.1	120	93.9	5	43	191	2	11.2	2	-1	-5	-1	1.5	84	-15	0.3	35.9	-3	-0.01	-0.05	1.2	1.6	1.3	3
400344	-2	-5	10.5	190	25.3	5	47	467	-1	11.8	3	-1	-5	-1	1.35	180	-15	0.3	37.4	-3	-0.01	-0.05	1.2	1.8	1.3	-1
400345	-2	-5	11.2	150	68.6	4	32	104	2	9.96	5	-1	-5	2	1.81	65	-15	0.3	36.4	-3	-0.01	-0.05	1	1.2	-0.5	3
328115	40	-5	2.7	170	31.4	6	43	138	2	8.84	4	-1	-5	-1	1.89	83	-15	-0.1	33.2	-3	-0.01	-0.05	-0.5	0.9	0.9	3
328116	117	-5	3.3	170	38.5	6	58	148	-1	11.1	3	-1	-5	3	1.45	83	-15	-0.1	30.2	-3	-0.01	-0.05	-0.5	1	1	-1
328117	46	-5	3.6	94	47.7	5	36	137	1	5.79	3	-1	-5	3	1.62	97	-15	0.3	18.4	-3	-0.01	-0.05	1	1.1	1.5	8
328118	25	-5	20.5	130	37	4	42	367	-1	9.17	2	-1	-5	-1	1.67	152	-15	0.5	36.7	-3	-0.01	-0.05	0.8	1.1	-0.5	-1
328119	17	-5	6.8	200	18.9	4	40	214	2	9.11	4	-1	-5	-1	2.11	103	20	0.3	33.4	-3	-0.01	-0.05	-0.5	1.7	1.2	4
328120	9	-5	46.4	150	15.7	-1	59	91	1	9.65	2	-1	-5	-1	1.55	75	-15	6.2	37.6	-3	-0.01	-0.05	-0.5	0.7	-0.5	-1
328121	6	-5	126	260	15	-1	28	150	-1	4.89	4	-1	-5	-1	1.69	80	40	5.7	14.8	-3	-0.02	-0.05	-0.5	3.5	1.2	-1
328122	37	-5	5.9	240	32.3	6	52	220	-1	9.98	3	-1	-5	-1	1.81	101	23	1.2	45.1	-3	-0.01	-0.09	-0.5	0.6	-0.5	-1
328187	12	-5	11.2	100	35.9	4	34	190	3	9.38	3	-1	-5	-1	2.14	89	23	0.4	52.1	-3	-0.02	-0.05	-0.5	0.8	-0.5	-1
328188	8	-5	7.6	240	17.9	3	52	120	2	12	4	-1	-5	-1	1.67	101	-15	1	33.5	-3	-0.01	-0.05	-0.5	1.6	-0.5	-1
328189	-2	-5	44.3	200	25.1	2	60	220	2	8.75	3	-1	-5	-1	1.66	211	-15	8.2	31.5	-3	-0.01	-0.05	-0.5	0.9	-0.5	-1
328195	114	-5	131	240	39.4	-1	47	130	1	7.33	2	-1	-5	4	0.99	130	38	1.4	27.5	-3	-0.01	-0.05	-0.5	0.9	-0.5	-1
328196	29	-5	7.1	240	14.7	1	40	97	2	11.1	4	-1	-5	-1	2.11	65	-15	1.3	46.9	3	0.02	-0.05	1	1.2	-0.5	-1
328197	-2	-5	4.5	350	21.1	3	38	92	5	11.4	4	-1	-5	-1	1.87	53	36	0.8	43	-3	-0.02	-0.05	0.5	0.9	-0.5	-1
328198	16	-5	2.2	-50	26.2	6	41	140	-1	10.1	4	-1	-5	-1	1.79	70	-15	0.2	36.7	-3	-0.01	-0.05	-0.5	0.8	-0.5	-1
328199	-2	-5	4	160	29.7	5	33	110	-1	9.43	6	-1	-5	-1	1.67	60	20	0.3	34.5	-3	-0.01	-0.05	1.2	0.8	-0.5	-1
328200	146	-5	1.4	200	52.1	5	40	200	2	8.18	4	-1	-5	-1	2.05	121	-15	0.3	29.8	-3	-0.01	-0.05	1.2	1.2	-0.5	-1
400576	-2	-5	7.7	130	21.3	6	48	290	2	7.08	5	-1	-5	-1	1.28	110	-15	0.5	32	-3	-0.01	-0.05	-0.5	1.4	1.1	-1
400577	-2	-5	1.8	260	18.6	4	29	130	1	5.97	11	-1	-5	-1	1.5	-20	-15	0.4	25.6	-3	-0.01	-0.05	0.5	1.9	1.1	-1
400578	-2	-5	8	150	13	5	43	140	-1	7.1	7	-1	-5	-1	1.37	55	-15	1.6	30.9	-3	-0.01	-0.08	0.5	1.4	1.3	2
328132	21	-5	19.7	190	82.2	-1	33	78	-1	8.76	3	-1	-5	-1	1.62	50	-15	2.7	34.8	-3	0.02	-0.05	0.5	1.1	-0.5	10
328133	70	-5	203	430	65.9	-1	43	200	-1	7.88	3	-1	-5	-1	1.47	122	37	5.8	35.5	-3	-0.02	-0.05	-0.5	0.6	-0.5	3
328134	47	-5	7.6	130	91.7	5	29	150	-1	7.62	3	-1	-5	-1	1.6	81	-15	1.6	37.9	-3	-0.01	-0.05	0.5	0.5	-0.5	-1
328135	264	-5	6.4	120	33.2	6	45	200	-1	8.77	3	-1	-5	-1	1.66	170	-15	1	44.5	-3	0.01	-0.05	0.5	1.1	-0.5	-1
328136	59	-5	15.2	290	47	2	40	150	2	7.82	3	-1	-5	-1	2.01	71	-15	2.5	30	-3	-0.01	-0.05	0.7	1.7	-0.5	-1
328137	272	-5	84.7	310	97	2	39	140	2	9.8	4	-1	-5	-1	1.83	90	-15	3.6	27.8	-3	0.02	-0.05	0.5	2.2	1.2	-1
328138	11	-5	21.6	100	48.1	3	23	120	-1	9.02	4	-1	-5	-1	1.48	50	-15	1.5	34	-3	-0.01	-0.05	1.3	1	1.1	-1
328139	7	-5	25	190	18	4	38	120	1	9.78	5	-1	-5	-1	1.81	80	-15	0.7	33.6	-3	-0.01	-0.05	-0.5	1.9	-0.5	-1
400322	-2	-5	1.7	110	35.2	5	34	120	-1	9.29	5	-1	-5	-1	1.72	61	-15	0.3	37.1	-3	-0.01	-0.05	0.9	0.8	-0.5	-1
400323	-2	-5	5.5	170	40.1	3	41	620	2	6.66	4	-1	-5	-1	1.8	189	-15	0.4	21	-3	-0.01	-0.05	0.5	1.8	1.3	-1
400324	-2	-5	3.8	250	18.3	5	36	190	-1	9.3	4	-1	-5	-1	1.79	72	-15	0.1	38.4	-3	-0.02	-0.05	0.5	1.1	0.8	-1

Activation Laboratories Ltd. Work Order: 20746 Report: 20481

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Co ppm	Cr ppm	Cs ppm	Fe %	Hf ppm	Hg ppm	Ir ppb	Mo ppm	Na %	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	W ppm
400325	38	-5	5.2	150	29.4	6	40	359	-1	9.2	4	-1	-5	-1	1.55	-44	-15	-0.1	30.7	-3	-0.02	0.05	2	1	-0.5	-1
400326	-2	-5	5.1	200	20.2	5	40	319	-1	8.5	4	-1	-5	-1	1.53	-43	46	0.3	25.4	-3	0.02	0.05	0.5	2.6	-0.5	-1
400327	51	-5	3.5	270	17.5	3	24	480	2	4.22	5	-1	-5	-1	1.68	130	55	0.2	18.3	-3	0.01	0.05	0.5	2.2	1.9	-1
400328	-2	-5	5.7	180	15.6	4	52	170	2	12	4	-1	-5	-1	1.76	84	21	0.4	41.6	-3	-0.02	-0.05	0.5	1.3	0.9	-1
400329	-2	-5	5.8	140	21.4	4	51	210	-1	12.9	4	-1	-5	-1	1.87	110	-15	0.4	41.2	-3	-0.02	0.05	0.5	1.2	-0.5	-1
400330	-2	-5	5	85	8.6	5	45	250	2	9.95	3	-1	-5	-1	1.73	110	-15	0.5	43.4	-3	-0.01	-0.05	-0.5	0.9	-0.5	-1
400331	-2	-5	4.9	190	9.1	6	42	190	1	10.5	3	-1	-5	-1	1.93	102	-15	0.6	40.5	-3	-0.01	-0.05	-0.5	0.8	-0.5	-1
400332	321	-5	20.4	90	11.5	3	42	190	-1	12.1	5	-1	-5	-1	1.9	74	-15	0.5	43	-3	-0.02	0.05	1.4	1.2	-0.5	-1
401151	3	-5	4.2	200	12.9	3	18	110	1	4.72	12	-1	-5	16	1.76	-20	32	0.3	19.9	-3	-0.01	0.05	1.3	4.5	5.7	3
401152	-2	-5	2.5	220	6.6	3	14	93	-1	4.7	15	-1	-5	5	1.56	-20	21	0.3	19.1	-3	0.01	0.05	2	4.4	3.3	2
401153	-2	-5	2.8	190	8.3	3	13	78	-1	4.28	12	-1	-5	-1	1.59	-20	22	-0.1	18.7	-3	0.01	0.05	1.1	3.3	2.5	-1
401154	-2	-5	26.4	330	21.7	3	23	170	-1	6.15	9	-1	-5	-1	2.17	-26	-15	0.9	25.2	-3	0.13	0.05	0.5	3.9	1.6	-1
401155	-2	-5	47.3	220	9.7	3	15	140	-1	4.48	9	-1	-5	3	1.63	-20	17	0.5	18.8	-3	0.01	0.05	0.5	2.9	1.7	2
401156	-2	-5	74.7	480	27.5	4	25	226	-1	5.85	7	-1	-5	-1	1.86	51	-15	0.4	22.5	-3	-0.02	-0.05	-0.5	3.3	3.3	-1
401157	-2	-5	3.1	170	4.5	3	14	110	-1	4.81	13	-1	-5	-1	1.45	-20	24	0.3	20.1	-3	-0.01	0.05	1.6	3.8	3	-1
401158	-2	-5	3.8	270	6.3	4	17	100	2	4.52	9	-1	-5	-1	1.78	-20	28	0.3	18.6	-3	-0.01	0.05	1.1	4	2.1	-1
328101	-2	-5	2.5	140	22.2	4	29	120	-1	5.08	14	-1	-5	7	1.49	-20	29	0.3	19.4	-3	-0.01	-0.05	1.8	4.2	3.5	-1
328102	-2	-5	7.8	200	27.5	4	43	130	-1	5.85	12	-1	-5	2	1.48	-20	-15	0.4	22.9	-3	-0.01	-0.05	-0.5	3	1.8	-1
328103	-2	-5	12.5	190	32.5	3	32	110	2	5	10	-1	-5	-1	1.6	-20	-15	-0.1	20	-3	-0.01	-0.05	-0.5	3.2	1.6	-1
328104	-2	-5	12.6	240	23.6	4	29	110	2	5.29	12	-1	-5	-1	1.7	63	19	-0.1	21.7	-3	-0.01	-0.05	1.3	3.3	1.4	-1
328105	-2	-5	16.2	200	80.6	4	200	180	-1	8.3	11	-1	-5	7	1.98	330	-15	0.5	26	-3	-0.02	-0.05	1.6	3.6	2	-1
328106	-2	-5	11.2	190	12.8	-1	43	240	1	8.1	3	-1	-5	-1	2.75	93	-15	-0.1	37.9	-3	0.02	0.05	-0.5	1.4	-0.5	-1
328107	-2	-5	22.3	280	12.9	3	31	90	-1	7.55	5	-1	-5	-1	3.18	-34	-15	0.3	44.1	-3	0.02	0.05	-0.5	2.2	-0.5	-1
328108	15	-5	9.4	180	20.6	-1	49	610	-1	7.79	9	-1	-5	-2	1.64	210	-15	-0.1	26.1	-3	-0.02	-0.05	-0.5	4.1	-0.5	-1
400573	8	-5	138	130	31.3	-1	32	76	-1	8.03	4	-1	-5	-1	3.25	-32	-15	-0.1	35.9	-3	-0.02	-0.05	-0.5	1.6	1.5	-1
400574	-2	-5	124	150	26.5	2	27	71	-1	7.17	6	-1	-5	-1	2.95	-31	-15	-0.1	43.5	-3	-0.02	-0.05	-0.5	2	-0.5	-1
400575	-2	-5	10.5	150	22.1	2	32	60	-1	9.91	4	-1	-5	-2	3.99	-42	-15	-0.1	54.2	-3	-0.03	-0.05	-0.5	1.6	-0.5	-1
400579	-2	-5	30.9	220	16.6	5	51	190	1	9.17	6	-1	-5	-1	1.72	-33	-15	1.2	38.7	-3	-0.02	-0.05	-0.5	1.8	-0.5	-1
400580	-2	-5	30.8	120	17.8	5	42	150	-1	9.2	7	-1	-5	-1	1.71	-27	-15	0.9	34.1	-3	-0.02	-0.05	1	1.6	-0.5	3
DMMAS-14-2374	574	10	2460	380	2.8	9	69	130	2	8.5	2	-1	-5	7	0.77	-20	40	12.5	19.2	-3	0.08	-0.05	-0.5	1.4	-0.5	18
DMMAS-14-2373	576	-5	2440	430	3.2	8	71	140	2	8.58	2	-1	-5	-1	0.79	-21	42	11	19.7	-3	-0.02	-0.05	-0.5	1.4	-0.5	18
DMMAS-14-2371	628	-5	2410	390	3.3	9	70	130	2	8.6	3	-1	-5	-1	0.77	-20	32	12.3	19.2	-3	-0.02	0.05	-0.5	1.5	1.2	18
DMMAS-14-2370	544	-5	2430	440	2.8	8	70	130	-1	8.38	2	-1	-5	12	0.79	-33	38	12.9	19.9	-3	-0.02	-0.05	-0.5	1.5	-0.5	17
DMMAS-14-2366	594	13	2430	350	3.1	8	69	138	2	8.58	2	-1	-5	-1	0.78	-28	35	10.8	20.4	7	-0.01	-0.05	-0.5	1.4	-0.5	18
DMMAS-14-2365	564	-5	2400	450	3	9	69	140	2	8.38	2	-1	-5	2	0.76	131	33	11.2	20.1	-3	0.01	-0.05	-0.5	1.5	-0.5	17
DMMAS-14-2363	578	-5	2480	430	3	8	69	131	2	8.53	2	-1	-5	11	0.78	-33	42	11.2	20	-3	-0.02	-0.05	-0.5	1.5	-0.5	18
DMMAS-14-2361	542	-5	2390	400	3.2	8	68	130	-1	8.21	2	-1	-5	12	0.75	-31	39	11.5	19.3	-3	-0.02	-0.05	-0.5	1.5	0.5	18
DMMAS-14-2360	546	-5	2380	420	3.1	8	67	130	-1	8.37	2	-1	-5	-1	0.78	-32	37	11.7	19.6	-3	-0.02	-0.05	0.9	1.4	-0.5	17
DMMAS-14-2359	585	-5	2380	410	2.8	8	71	130	2	8.56	2	-1	-5	8	0.76	-35	45	11.7	20	-3	-0.02	-0.05	-0.5	1.6	-0.5	17
DMMAS-14-2358	569	-5	2470	430	2.8	9	70	140	2	8.64	2	-1	-5	-2	0.8	-40	42	12.3	20.2	-3	-0.02	-0.05	-0.5	1.5	-0.5	18

Accepted Value: DMMAS-14 590+-60 2450+-70 450+-70 2.8+-1.0 8.5+-1 70.7+-10 141+-16 8.64+-0.8 2.5+-1 0.79+-0.10 45+-10 11.7+-1.1 20.5+-2.1 1.4+-1.0 18+-4

Activation Laboratories Ltd. Work Order: 20746 Report: 20481

Sample ID	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
328051	113	12.8	23	-5	1.7	0.6	-0.5	2.2	0.44	18.95
328052	800	5.8	9	-5	1.4	-0.2	-0.5	1.6	0.22	25.29
328053	-50	6.8	16	13	2.8	0.7	-0.5	3.5	0.5	29.53
328054	80	3.3	9	-5	1.6	0.5	-0.5	3.2	0.52	28.8
328055	123	1.7	4	-5	0.9	-0.2	-0.5	1.9	0.29	27.74
328056	549	2.5	6	-5	1	0.5	-0.5	1	0.1	30.04
328057	201	3	6	-5	1.1	0.8	-0.5	2.1	0.31	26.19
328058	-50	1.3	3	-5	0.4	0.6	0.5	0.9	0.1	32.13
328059	-50	3.2	8	-5	1.3	0.4	-0.5	2.8	0.46	29.72
400451	-50	21.5	39	16	4.3	1.1	-0.5	2.9	0.45	35.54
400452	-50	26.2	51	21	5.7	1.3	0.7	4.1	0.6	36.39
400453	1190	33.4	59	21	5.5	1.4	-0.5	3.4	0.49	30.52
400454	1230	51.7	82	21	5.9	1.5	-0.5	2.4	0.37	25.05
400455	96	28.3	48	16	4.9	1.2	-0.5	2.7	0.44	33.09
400456	66	29.8	59	21	5.1	1.4	-0.5	2.8	0.44	31.96
400457	82	39.5	66	26	5.7	1.5	0.5	2.8	0.44	35.21
400458	104	31.7	58	16	5.2	1.4	-0.5	3.1	0.53	33.23
400459	254	25	45	13	4.3	1.3	-0.5	2.7	0.43	26.05
400460	-50	28.6	49	17	5.3	1.5	-0.5	3.1	0.48	33.92
400461	198	19.2	31	11	3.8	0.9	-0.5	3.1	0.46	31.13
400462	130	18.5	32	16	4.4	1.2	0.7	2.5	0.38	30.7
400463	189	9.1	20	8	3.5	1.1	-0.5	2.5	0.43	29.75
400464	157	17.8	32	11	4.7	1.4	-0.5	3.1	0.46	33.88
400465	159	18.7	36	15	5.5	1.6	1	3.4	0.51	30.64
400466	-50	31.3	51	17	5.2	1.3	0.7	2.6	0.45	30.44
400467	108	27.6	48	19	4.7	1.4	0.6	2.4	0.39	31.39
400468	136	46.6	74	29	6.4	1.6	0.9	3	0.43	36.64
400469	138	20.9	39	19	4.3	1.1	-0.5	2.5	0.39	29.98
400480	105	36.9	62	30	5.9	1.6	0.7	3.4	0.53	33.1
400483	120	24.2	47	16	4	1	-0.5	1.9	0.34	28.47
400484	73	20.4	41	14	4.1	1.1	-0.5	2.5	0.36	30.37
400485	-50	22.7	45	14	4.3	1	0.6	2.6	0.4	29.29
400486	76	23.5	45	19	4.3	1.2	-0.5	2.5	0.4	30.71
400487	91	22.2	40	17	4.3	1	-0.5	2.6	0.39	31.66
400488	112	31.4	56	16	4.9	1.1	0.6	2.4	0.4	29.85
400489	116	10.4	19	12	2.6	0.9	-0.5	2.1	0.33	39.72
400490	104	34.9	55	21	4.4	1.2	-0.5	2.4	0.37	33.75
400491	85	25.6	40	13	3.2	0.9	-0.5	2.1	0.37	36.37
400492	75	15.3	27	12	2.4	0.6	-0.5	2.8	0.4	35.88
400493	75	24.3	39	14	3.4	1	-0.5	2.6	0.4	36.42
400494	58	22.8	36	15	3.2	1	-0.5	2.3	0.39	36.68
399597	139	19	35	20	5.9	2.3	0.9	6.9	1.15	32.16
400598	122	28.4	53	29	9.4	2.3	0.9	3.7	0.54	36.81
400599	123	22.6	43	24	6.9	1.9	0.8	3.7	0.56	36.4
400470	125	23.1	45	17	4.8	1	0.8	3	0.51	26.19
400471	-50	31.1	53	15	4.2	1.1	-0.5	2.2	0.41	31.53
400472	162	25.8	43	12	5	1.4	-0.5	3.2	0.45	29.47
400473	119	42.8	68	21	4.6	1.3	-0.5	2.2	0.3	31.54
400474	-50	28.9	41	18	3.5	1	-0.5	2	0.32	33.18
400475	80	42.2	63	20	4.8	1.4	0.6	2.5	0.37	31.82
400476	-50	26.4	45	17	4.9	0.9	0.7	2	0.32	24.75
400477	64	15.7	25	11	2.4	0.7	-0.5	1.8	0.31	28.14
400479	70	22.6	37	14	4.2	1	0.6	2.7	0.42	35.34
400560	-50	16.8	32	16	4.5	1.4	-0.5	3.3	0.51	35.96
400561	119	19.8	32	10	3.7	0.9	-0.5	2.3	0.39	37.3
400562	190	22.9	46	26	8.3	2.3	1.1	5.1	0.8	37.82

Activation Laboratories Ltd. Work Order: 20746 Report: 20481

Sample ID	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
400563	113	17.3	35	17	4.3	1.1	0.9	4	0.64	36.62
400564	101	19.6	40	16	3.9	1.1	0.6	3.7	0.56	38.21
400565	56	19.5	38	16	3.8	0.9	0.8	3	0.46	36.88
400566	71	18	36	17	3.8	1	0.5	3.7	0.53	38.09
400567	114	12	21	-5	1.5	0.5	-0.5	1.8	0.34	26.81
400568	-50	7.3	15	7	2.1	0.7	-0.5	3.1	0.48	37.13
400569	139	10.3	24	6	2.4	0.8	0.8	7.4	1.09	37.34
400570	101	10.2	24	-5	2.9	0.9	-0.5	3.2	0.48	37.28
400571	87	12.3	22	8	2.8	0.9	-0.5	2.8	0.46	38.69
400572	100	10.2	21	10	2.7	0.9	-0.5	3.2	0.5	36.08
400551	58	29.4	66	25	6.2	1.5	0.6	2.9	0.54	27.06
400552	177	23.8	49	18	4.8	1.1	-0.5	2.7	0.46	26.42
400553	132	23	48	21	4.8	1.1	-0.5	2.7	0.45	28.29
400554	118	21.8	47	17	4.6	1.1	0.7	2.5	0.4	26.51
400555	129	14.1	28	11	3.1	0.9	-0.5	2.9	0.45	36.12
400556	109	9.7	23	9	2.3	0.7	-0.5	2.9	0.44	31.17
400557	72	18.3	33	14	3.5	1	-0.5	2.7	0.42	32.17
400558	62	12.9	24	11	2.7	0.8	0.5	2.2	0.37	32.88
400559	75	17.1	33	14	3.7	1.1	-0.5	3	0.46	33.53
400601	151	19.6	43	15	4.9	1.4	0.8	3.8	0.55	30.96
400602	104	24.2	42	18	4.4	1	0.7	3.8	0.6	32.31
400603	107	25.9	40	19	4.7	1.2	0.7	3.5	0.52	31.85
400604	102	20.6	35	14	3.7	0.9	0.5	2.6	0.43	32.17
400605	111	29.8	44	22	4.6	1.2	0.6	2.7	0.41	31.93
400606	114	18.7	32	12	3.6	1	-0.5	2.7	0.4	32.29
400607	77	22.9	37	19	4.4	1.2	0.6	2.9	0.47	32.22
400608	133	22.5	40	18	4.4	1.2	0.6	3.3	0.5	29.29
400609	121	21.4	39	17	4.8	1.3	0.6	3.9	0.6	33.36
400610	115	23.7	43	16	4.9	1.4	0.6	4.1	0.59	32.46
400611	130	21.6	42	17	3.5	0.7	-0.5	2.4	0.4	27.22
400612	115	26.6	51	20	4.6	1.2	0.6	3.7	0.62	34.32
400301	82	44.4	79	33	7.5	1.8	1.1	4.9	0.74	31.85
400302	-50	35.9	62	26	6	1.7	0.7	5	0.77	39.19
400303	64	36.5	64	23	6.2	1.7	1	4.6	0.71	34.76
400304	110	81.6	139	50	11.8	2.4	1.4	4.8	0.66	27.22
400305	-50	59.2	98	37	8.5	1.8	0.9	3.3	0.5	32.39
400306	85	50.1	94	39	7.7	1.7	0.9	4.2	0.66	33.95
400307	59	28.9	54	20	4.7	1.2	0.8	4.3	0.63	32.94
400308	-50	25.4	48	16	4.1	1	0.6	3.8	0.59	35.59
400309	-50	30.8	51	20	4.9	1.2	0.6	5.2	0.8	40.65
400310	79	97.3	166	65	14.2	3.2	1.6	5	0.74	27.89
400311	87	22.3	58	13	3.9	1.1	0.6	4.4	0.65	35.04
400312	88	20.3	35	18	3.5	1	0.6	3.9	0.6	31.3
400313	53	19.8	38	19	3.9	1.2	-0.5	4.1	0.63	31.54
400314	71	20.8	41	14	4.1	1.3	0.9	4.5	0.69	29.26
400315	66	25.7	48	18	4.4	1.3	-0.5	4.1	0.65	33.95
400316	76	23.4	40	17	4.3	1.2	0.8	5.1	0.82	34.09
400317	88	24.4	42	19	4.7	1.4	0.9	6.6	1.07	34.61
400318	143	18.9	36	18	4.1	1.3	0.8	4.6	0.72	37.12
400319	-50	2.6	6	-5	0.6	0.3	-0.5	0.9	0.17	44.61
400320	109	13.6	27	13	3.4	1	-0.5	4.1	0.67	33.08
400321	54	16.4	30	12	3.5	1.1	0.6	5	0.77	36.72
328109	74	23	42	17	3.9	1.2	0.7	3.8	0.57	32.79
328110	64	17.9	31	14	3.3	1.1	-0.6	4.2	0.67	34.67
328111	64	19.8	37	13	3.6	1	1	4	0.62	36.03
328112	73	23.5	43	19	4.1	1.2	0.7	4.2	0.68	31.68

Activation Laboratories Ltd. Work Order: 20746 Report: 20481

Sample ID	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
328113	57	23.6	40	11	4.3	1.2	0.7	3.4	0.53	38.54
328114	252	19.5	35	11	3.9	0.9	0.9	2.7	0.42	24.94
328140	174	9	21	9	3.4	1	0.8	2.5	0.38	31.28
328142	195	21.9	46	20	7.3	2.1	1.1	4.9	0.75	25.84
328143	356	21.6	44	17	4.1	1.2	0.7	2.4	0.38	27.22
328144	307	20.2	41	9	4.2	1.1	1	2.2	0.38	29.26
328145	191	20.5	37	9	4.1	1	-0.5	2	0.36	28.05
328146	203	10	22	10	3.8	1.1	0.8	3.7	0.6	34.41
328147	198	12.1	25	13	3.9	1.2	1	3.8	0.51	37.61
328148	282	7.9	17	12	3.7	1.2	0.9	3.6	0.6	34.14
328149	385	52.2	104	43	10.2	2.6	0.9	4.2	0.62	26.06
328150	240	20.7	39	13	4.3	1.1	-0.5	2	0.33	27.32
400333	185	10.4	23	-5	4	1.4	-0.5	2.5	0.36	28.16
400334	198	14.9	35	18	6.1	1.7	0.9	4.8	0.71	31.51
400335	247	15	34	10	4.8	1.3	0.7	3.5	0.56	32.94
400336	176	15.2	32	14	4	1.3	-0.5	2.7	0.44	33.07
400337	174	17.6	41	19	7.3	1.9	-0.5	7	1.06	33.16
400338	209	16	39	11	5.6	2	-0.5	3.7	0.55	23.39
400339	149	20.4	48	20	8.4	2.1	1.4	8.5	1.25	29.76
400340	150	18.3	40	20	6.9	2	1.4	5.4	0.81	24.04
400341	176	17.5	36	18	5.9	1.7	1.4	4.7	0.74	33.2
400342	180	26.1	44	20	5.4	1.5	1	2.6	0.37	31.92
400343	139	17.7	30	9	4	1.2	0.6	2	0.34	33.02
400344	162	19.5	35	18	5.1	1.6	1.1	2.9	0.42	35.61
400345	147	18.3	31	12	5.1	1.4	1.3	3.5	0.52	30.73
328115	184	14.5	28	17	4.8	1.4	1.1	3.7	0.58	33.74
328116	156	14.1	26	14	4	1.3	-0.5	2.7	0.43	31.12
328117	86	17	28	8	3	0.9	-0.5	1.1	0.17	35.45
328118	182	13.4	26	10	3.6	1	0.6	2.8	0.45	34.97
328119	167	22.6	39	20	4.6	1.3	0.5	2.8	0.44	34.66
328120	203	9.5	20	10	3.5	1	-0.5	2.6	0.41	27.94
328121	125	30.8	50	19	4.8	1.5	-0.5	1.8	0.27	29.7
328122	131	11.1	24	11	4.2	1.5	-0.5	3.5	0.54	33.53
328187	120	9.1	22	11	4.9	1.7	1.1	3.9	0.58	19.17
328188	157	13.3	30	15	5.1	1.8	0.8	3.3	0.47	26.49
328189	154	10.8	23	12	3.8	1.2	0.8	3.1	0.47	26.87
328195	214	15.1	26	15	4	1.2	-0.5	3	0.51	27.67
328196	258	12.3	30	13	5.9	1.8	1.5	4.8	0.77	23.33
328197	178	12.3	28	14	5.8	1.8	1.3	5.3	0.77	25.08
328198	176	11.1	23	9	4.1	1.5	1	4	0.61	36.28
328199	147	10.5	23	9	4.1	1.4	1	5.6	0.91	34.05
328200	157	14.5	30	13	4.3	1.3	0.6	3.1	0.5	30.72
400576	189	7.2	17	5	2.2	0.8	0.6	3	0.48	34.92
400577	100	9.9	21	-5	2.7	1	0.6	5.4	0.87	33.97
400578	100	7.4	15	-5	2.7	1	-0.5	4.3	0.68	34
328132	143	13.2	29	18	5.6	1.8	1.4	3.6	0.54	19.4
328133	167	5.9	15	9	2.6	0.9	-0.5	2.4	0.38	24.34
328134	103	12.9	24	11	4	1.4	-0.5	2.8	0.44	30.38
328135	116	12.5	26	15	4	1.1	0.5	2.7	0.44	34.88
328136	158	18.1	35	19	4.9	1.6	0.9	3	0.5	25.76
328137	135	23.9	47	23	5.6	1.6	0.8	2.9	0.51	24.11
328138	95	12.3	28	14	4.2	1.4	0.9	3	0.48	30.28
328139	179	18.8	37	18	5.1	1.5	-0.5	3.8	0.58	35.45
400322	187	10.3	25	15	4.8	1.6	1.1	6	0.92	32.15
400323	127	17	31	16	3.3	1.1	-0.5	1.7	0.28	30.79
400324	187	14.9	31	14	4.6	1.5	0.9	3.8	0.56	32.89

Activation Laboratories Ltd. Work Order: 20746 Report: 20481

Sample ID	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g
400325	100	16.5	34	18	5.4	1.4	-0.5	4.1	0.53	8.732
400326	272	18.2	36	12	5.9	1.6	0.6	4	0.58	8.259
400327	326	17.6	33	17	3.3	1.1	-0.5	1.9	0.29	26.33
400328	232	14.4	31	21	5	1.8	1.2	4.4	0.68	29.68
400329	148	13.3	29	17	5	1.7	1	4.3	0.67	30.99
400330	123	9	20	13	3.8	1.4	0.6	3.4	0.51	32.3
400331	131	8.3	20	13	3.7	1.3	1	3.5	0.49	33.68
400332	173	16.6	37	24	6	2	1.1	4.6	0.71	29.72
401151	57	22.9	44	17	4	1.4	0.9	4.3	0.7	33.84
401152	60	24.1	39	19	4.4	1.4	1	5.3	0.83	42.46
401153	50	16.7	32	15	3.5	1.1	0.7	4.8	0.75	39.81
401154	131	20.4	40	18	4.2	1.2	-0.5	5.2	0.89	12.62
401155	116	15.2	32	14	3.4	1.1	0.7	4.4	0.67	35.8
401156	111	17.1	41	5	3.8	1.1	-0.5	4.4	0.54	6.204
401157	50	22.1	36	19	4.1	1.2	0.9	5.4	0.87	41.74
401158	68	24.1	38	22	4.3	1.3	0.8	4.2	0.66	33.95
328101	50	24.3	48	20	4.1	1.1	0.8	5.6	0.87	30
328102	97	15.2	31	14	3.4	1.2	0.6	5.9	0.91	23.02
328103	183	15.9	36	16	3.7	1.1	1	4.4	0.71	31.77
328104	266	17.7	36	17	4	1.2	0.9	5.1	0.82	32.73
328105	97	15.1	45	15	4.5	1.4	1.2	5.4	0.84	12.78
328106	168	8.9	19	14	3.3	1.1	0.7	3.1	0.48	21.83
328107	166	11.2	26	17	4.5	1.5	0.8	3.8	0.67	16.93
328108	153	21	47	16	5.6	1.6	0.8	4.1	0.65	13.07
400573	107	8.2	18	5	3.3	1.2	1.1	3.7	0.57	17.61
400574	158	9.6	22	11	3.8	1.4	0.8	3.5	0.56	19.65
400575	211	10.3	22	19	4.2	1.6	-0.5	4.1	0.66	13.45
400579	274	10.8	28	13	4.2	1.4	-0.5	4.8	0.84	16.55
400580	211	9.8	26	14	3.8	1.4	0.9	4.6	0.7	21.92
DMMAS-14-2374	270	13	23	10	4.1	1.3	-0.5	3.6	0.54	25.69
DMMAS-14-2373	256	13	21	14	4.1	1.3	-0.5	5.6	0.54	25.14
DMMAS-14-2371	237	12.7	23	10	4	1.3	1	3.7	0.54	25.16
DMMAS-14-2370	265	13	24	10	4	1.3	-0.5	3.4	0.52	25.85
DMMAS-14-2366	226	13.3	22	9	3.8	1.3	0.7	3.4	0.52	25.09
DMMAS-14-2365	289	12.8	23	9	3.9	1.3	-0.5	3.5	0.52	25.01
DMMAS-14-2363	280	12.8	22	9	3.9	1.2	0.8	3.4	0.52	25.5
DMMAS-14-2361	250	13.1	23	13	4	1.2	0.9	3.5	0.53	25.18
DMMAS-14-2360	268	12.8	22	12	3.8	1.3	0.9	3.4	0.52	25.02
DMMAS-14-2359	267	13	23	12	4	1.2	1	3.5	0.53	25.51
DMMAS-14-2358	261	12.1	25	11	3.9	1.1	0.9	3.4	0.51	25.07

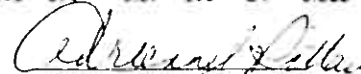
Accepted Value DMMAS-14 255±60 13.4±1 24±2 12±2 4.0±0.4 1.3±0.2 1.0±0.4 3.6±0.2 0.54±0.03

Activation Laboratories Ltd. Work Order No. 20746 Report No. 20481B

'Near Total' Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
328051	0.3	0.4	179	462	36	15	33	86	6.91	4	-2	0.47	3.72	1.11	0.167	68	0.49	705	13	0.239
328052	1.7	6.5	259	139	65	279	23	675	2.19	-1	6	-0.01	1.13	0.31	0.022	15	0.08	503	10	12.065
328053	0.4	-0.3	14	181	2	4	16	49	5.45	-1	-2	1.67	0.61	0.45	0.040	163	0.14	17	12	0.803
328054	-0.3	-0.3	3	136	3	-1	-3	71	4.82	-1	-2	0.54	0.66	0.08	0.023	91	0.15	8	13	0.013
328055	0.4	0.4	270	445	7	13	9	85	6.26	-1	2	3.50	1.07	0.78	0.015	209	0.33	221	7	1.268
328056	0.7	1.2	313	297	9	25	22	261	5.59	-1	2	3.74	0.40	0.22	0.013	195	0.34	317	5	3.395
328057	0.8	2.5	212	378	11	19	16	146	4.99	-1	2	3.10	0.29	0.41	0.012	120	0.12	51	9	3.069
328058	-0.3	0.3	184	1277	11	16	11	128	5.40	-1	-2	4.75	0.12	0.63	0.005	140	0.30	307	2	0.880
328059	0.3	-0.3	135	226	6	-1	-3	23	5.36	-1	2	0.95	0.32	0.68	0.019	127	0.14	29	10	1.051
400451	0.3	0.5	13	935	2	23	12	56	5.21	1	-2	1.88	1.22	0.99	0.038	189	0.38	97	25	0.017
400452	-0.3	-0.3	24	944	-1	17	12	67	5.44	2	-2	2.07	1.51	0.85	0.071	217	0.43	92	35	0.047
400452/R	-0.3	-0.3	18	916	-1	16	8	64	5.53	2	-2	2.21	1.50	0.81	0.076	236	0.36	79	36	0.044
400453	1.1	1.5	1949	1328	13	40	671	925	4.43	2	-2	2.17	1.13	1.17	0.090	212	0.40	108	27	1.456
400454	1.2	2.6	612	1059	6	112	123	1032	5.39	2	-2	3.43	1.35	2.04	0.070	416	0.33	143	24	2.347
400455	-0.3	-0.3	16	1593	3	45	16	70	6.17	1	-2	3.21	1.01	1.47	0.036	314	0.46	146	28	0.046
400456	0.3	0.3	22	1348	3	33	27	72	5.94	2	-2	2.74	1.18	1.06	0.037	317	0.46	143	28	0.022
400457	0.3	0.4	26	1335	-1	45	20	80	6.05	1	-2	3.50	1.01	1.60	0.056	428	0.47	170	29	0.029
400458	-0.3	0.4	16	1308	4	53	25	64	6.27	1	-2	2.96	1.08	1.41	0.038	305	0.41	143	26	0.030
400459	-0.3	1.8	44	1889	3	95	23	141	6.61	1	-2	3.08	1.12	2.69	0.054	261	0.47	206	26	0.078
400460	-0.3	-0.3	28	1448	1	23	15	66	6.75	2	-2	3.28	0.98	1.64	0.062	337	0.64	169	32	0.031
400461	-0.3	-0.3	87	1275	2	57	18	130	6.23	1	-2	1.73	1.00	2.26	0.042	159	0.45	152	25	0.046
400462	-0.3	1.0	32	1122	1	83	13	63	7.36	-1	2	4.51	0.73	2.16	0.048	288	0.51	242	28	0.017
400463	-0.3	1.0	48	1737	3	73	28	121	7.03	-1	-2	3.12	0.50	2.44	0.049	222	0.55	271	30	0.151
400464	-0.3	0.9	25	1446	2	47	20	100	7.51	1	-2	3.92	0.63	2.14	0.049	368	0.75	266	37	0.049
400465	0.3	-0.3	34	1346	3	49	25	103	7.52	1	-2	4.09	0.49	2.09	0.053	372	0.76	275	41	0.052
400466	-0.3	0.9	14	1698	4	55	25	62	7.26	-1	-2	5.68	0.46	1.63	0.030	429	0.41	215	31	0.010
400467	-0.3	-0.3	18	1603	2	62	31	64	7.49	1	-2	5.30	0.62	1.90	0.036	398	0.41	200	30	0.010
400468	-0.3	-0.3	14	1474	3	28	29	75	6.71	1	-2	3.65	1.21	1.14	0.059	413	0.55	159	34	0.011
400469	-0.3	0.5	48	1463	3	77	16	101	7.26	1	-2	3.63	0.63	2.72	0.050	288	0.60	245	29	0.039
400480	-0.3	-0.3	26	1332	3	54	4	89	6.53	2	-2	3.10	1.02	2.05	0.070	189	0.86	122	31	0.010
400483	0.3	-0.3	10	1159	2	55	22	98	7.45	2	-2	3.39	0.53	2.12	0.048	257	0.55	109	23	0.011
400484	-0.3	-0.3	15	1105	3	44	21	75	7.32	3	-2	2.66	0.93	1.50	0.068	247	0.58	97	27	0.004
400485	0.3	-0.3	12	963	2	47	22	66	7.13	3	-2	2.74	0.84	1.63	0.069	236	0.58	96	26	0.002
400486	-0.3	0.4	18	1017	2	45	19	67	6.82	3	-2	2.77	0.83	1.51	0.066	246	0.56	92	26	0.002
400487	-0.3	-0.3	19	1245	2	47	27	95	6.74	3	-2	2.80	0.81	1.52	0.062	206	0.64	97	27	0.008
400487/R	0.3	0.8	19	1220	2	42	23	93	6.71	3	-2	2.71	0.80	1.49	0.060	210	0.66	95	27	0.006
400488	-0.3	-0.3	14	1365	3	57	14	66	7.03	3	2	2.98	0.78	1.96	0.059	261	0.53	108	24	0.013
400489	-0.3	-0.3	7	1511	2	25	10	68	5.82	-1	-2	4.47	0.46	2.54	0.063	175	0.81	116	20	0.010
400490	-0.3	-0.3	25	1279	3	29	7	88	8.92	2	-2	4.39	0.19	1.91	0.155	497	0.97	158	28	0.061
400491	0.3	-0.3	15	1180	3	50	7	70	6.36	2	-2	2.99	0.57	1.38	0.087	374	0.81	102	21	0.008
400492	-0.3	0.5	3	1388	3	70	5	65	5.32	1	-2	2.63	0.86	1.31	0.031	217	0.35	44	23	0.012
400493	-0.3	0.4	13	1455	2	57	5	67	5.84	1	-2	2.55	0.81	1.41	0.062	246	0.90	107	24	0.053
400494	-0.3	-0.3	10	1206	1	43	4	48	6.37	2	-2	2.78	0.72	1.43	0.060	297	0.57	87	22	0.022
399597	0.5	0.4	9	1940	3	36	15	94	6.50	1	-2	5.03	0.56	2.28	0.104	204	1.11	86	43	0.015
400598	-0.3	0.7	16	1377	2	27	8	51	6.19	1	-2	4.89	0.68	2.13	0.272	202	1.24	116	48	-0.001
400599	-0.3	-0.3	11	1480	2	31	14	80	5.98	1	-2	4.52	0.65	1.95	0.191	189	0.89	80	38	0.005
400470	-0.3	0.5	27	1612	2	90	15	138	5.75	2	-2	2.10	1.01	2.18	0.081	165	0.77	135	26	0.021
400471	-0.3	-0.3	217	1470	2	92	6	70	7.32	2	-2	4.30	0.40	2.82	0.109	370	0.97	158	24	0.065

Clients are advised to obtain assays for Ag>100 ppm and Pb>5000 ppm due to potential solubility problems.
 Values for Cu, Ni, Zn, Mo greater than 1% should be assayed if accuracy better than +/- 10-15% is required.
 Values above 1% are for informational purposes only and should not be relied upon for promotional or ore
 reserve calculations. Assays are recommended for this purpose.
 Sulphur will precipitate in samples containing massive sulphides.


 Adrienne I. Rittau, B.Sc., C.Chem.
 ICP Technical Manager

Activation Laboratories Ltd. Work Order No. 20746 Report No. 20481B

'Near Total' Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
400472	-0.3	0.4	48	749	2	14	36	134	7.78	1	-2	3.75	0.32	1.63	0.063	339	0.64	158	32	0.058
400473	-0.3	-0.3	15	1223	3	12	10	66	8.13	2	-2	3.66	0.28	1.53	0.141	508	0.73	136	21	0.014
400473/R	-0.3	0.6	22	1269	3	13	10	70	8.50	2	-2	4.00	0.31	1.64	0.158	531	0.81	142	22	0.015
400474	-0.3	0.5	8	1064	3	16	17	57	6.32	2	-2	2.57	0.79	1.18	0.083	356	0.62	95	19	0.014
400475	-0.3	-0.3	12	943	2	15	10	64	7.86	2	-2	3.73	0.33	1.12	0.133	500	0.76	124	23	0.010
400476	-0.3	-0.3	12	499	3	35	18	66	5.81	2	-2	1.74	1.36	1.98	0.024	138	0.42	124	24	0.046
400477	-0.3	-0.3	15	435	2	45	14	46	5.33	2	-2	1.69	1.00	1.93	0.017	139	0.40	96	12	0.036
400479	-0.3	0.3	18	1153	3	52	14	69	6.08	2	-2	2.76	0.86	1.96	0.044	191	0.79	87	25	0.013
400560	-0.3	-0.3	11	1574	3	48	9	70	5.91	1	-2	3.92	0.48	2.36	0.079	172	1.20	118	29	0.009
400561	-0.3	0.4	17	1032	2	49	13	69	5.83	2	-2	3.36	0.79	2.27	0.049	198	0.72	119	21	0.010
400562	-0.3	0.6	36	1821	3	40	9	126	5.93	1	-2	5.65	0.60	2.59	0.309	192	1.30	168	48	0.020
400563	-0.3	-0.3	38	1215	2	45	10	65	6.47	1	-2	4.32	0.74	2.44	0.032	205	0.74	128	34	0.008
400564	-0.3	-0.3	14	1241	2	44	6	68	5.75	1	-2	3.58	0.93	2.29	0.042	197	0.90	144	27	0.004
400565	-0.3	-0.3	18	1078	4	49	16	67	5.88	2	-2	3.53	0.90	2.06	0.057	205	0.72	123	27	0.014
400566	-0.3	0.4	20	1379	2	41	7	68	5.40	1	-2	3.65	0.90	1.89	0.042	194	0.58	106	25	0.038
400567	-0.3	-0.3	16	590	3	172	10	79	5.13	2	-2	1.29	1.26	3.25	0.023	116	0.39	121	9	0.020
400568	-0.3	-0.3	8	1058	2	17	6	59	6.35	-1	-2	4.49	0.29	2.00	0.017	237	0.61	118	25	0.001
400569	-0.3	-0.3	14	1801	2	28	10	97	6.32	1	-2	3.02	0.64	1.61	0.034	172	0.47	104	62	0.008
400570	-0.3	-0.3	23	1859	3	44	11	85	6.80	1	-2	5.54	0.54	2.88	0.050	199	0.72	226	26	0.019
400571	-0.3	0.6	20	1409	3	31	4	61	6.51	1	-2	4.81	0.56	2.05	0.041	258	0.75	110	22	0.006
400572	-0.3	-0.3	8	1449	1	29	13	61	6.47	1	-2	4.43	0.58	2.23	0.026	206	0.35	51	24	0.014
400551	-0.3	-0.3	27	580	1	43	22	81	6.49	2	-2	2.51	1.02	1.56	0.083	187	0.43	92	29	0.008
400552	-0.3	0.6	26	618	3	45	22	110	6.09	2	-2	2.15	0.87	1.43	0.063	186	0.39	84	23	0.008
400553	-0.3	0.3	21	564	2	44	23	72	6.30	3	-2	2.38	0.94	1.47	0.067	197	0.40	94	23	0.003
400554	-0.3	-0.3	23	592	-1	47	17	89	6.26	3	-2	2.25	0.95	1.53	0.065	196	0.37	92	23	0.003
400555	-0.3	-0.3	13	1468	2	32	9	90	5.82	1	-2	4.64	0.39	2.09	0.042	259	0.74	153	23	0.009
400555/R	-0.3	0.5	13	1441	3	32	16	89	6.26	1	-2	4.51	0.41	2.11	0.045	264	0.71	145	24	0.011
400556	-0.3	-0.3	8	1158	3	19	6	79	6.54	1	-2	3.20	0.60	1.74	0.030	197	0.60	114	20	0.008
400557	-0.3	0.6	14	817	3	40	9	52	5.56	2	-2	3.23	0.73	1.82	0.033	183	0.57	108	21	0.019
400558	-0.3	0.5	9	888	4	43	8	45	5.10	1	-2	3.34	0.59	1.79	0.021	175	0.62	100	19	0.009
400559	-0.3	0.3	17	1068	2	54	16	55	6.15	1	-2	4.54	0.61	2.61	0.037	184	0.76	138	25	0.007
400601	-0.3	0.3	28	1409	2	47	15	78	6.58	1	-2	4.69	0.49	2.51	0.044	215	0.69	127	30	0.006
400602	-0.3	-0.3	11	1536	-1	38	13	73	5.43	2	-2	2.59	0.84	1.44	0.039	166	0.44	62	30	0.015
400603	-0.3	-0.3	26	1204	2	49	6	84	5.49	2	-2	3.37	0.62	2.03	0.066	190	0.82	137	27	0.003
400604	-0.3	0.4	17	897	-1	87	9	70	5.55	2	-2	3.15	0.97	2.27	0.051	179	0.77	116	20	0.008
400605	-0.3	0.3	32	1412	1	186	6	71	6.14	2	-2	3.96	0.71	3.23	0.047	182	0.69	138	26	0.008
400606	-0.3	-0.3	18	1255	2	145	10	67	5.63	1	-2	4.03	0.72	3.07	0.040	175	0.71	141	22	0.012
400607	-0.3	0.3	26	992	2	212	-3	80	6.21	2	-2	3.88	0.81	2.96	0.059	206	0.75	139	26	0.014
400608	-0.3	0.4	12	1417	2	47	22	59	5.85	2	-2	3.16	0.92	1.92	0.040	192	0.79	115	28	0.008
400609	-0.3	-0.3	12	1809	3	31	13	83	6.71	2	-2	5.52	0.65	2.58	0.062	179	0.78	185	41	0.005
400610	-0.3	-0.3	15	1222	-1	28	12	75	6.41	2	-2	4.38	0.75	2.10	0.059	188	0.83	131	40	0.007
400610/R	-0.3	0.6	15	1165	3	27	10	73	4.86	2	-2	4.27	0.66	1.91	0.053	175	0.84	133	30	0.007
400611	-0.3	-0.3	14	1693	3	54	13	102	5.80	2	-2	1.77	1.03	1.65	0.042	136	0.49	95	18	0.007
400612	-0.3	0.3	20	1350	-1	40	17	74	5.31	2	-2	2.48	1.13	1.34	0.047	171	0.69	77	29	0.012
400301	-0.3	-0.3	10	1350	4	22	36	58	6.39	3	-2	4.16	1.84	1.37	0.050	405	0.55	111	40	0.005
400302	-0.3	-0.3	6	1361	5	14	27	41	6.60	2	-2	4.21	1.46	1.19	0.027	439	0.47	95	44	0.004
400303	-0.3	-0.3	6	1030	2	16	21	32	6.32	2	-2	3.76	1.55	1.00	0.016	450	0.46	88	37	0.005
400304	-0.3	-0.3	15	1031	2	108	29	58	7.88	3	-2	4.12	2.13	2.27	0.077	718	0.40	99	49	0.018
400305	-0.3	-0.3	15	900	2	34	29	48	7.52	3	-2	3.12	3.05	1.23	0.057	496	0.39	73	42	0.007
400306	-0.3	0.5	45	998	9	32	71	68	7.36	3	-2	3.07	2.79	1.17	0.109	420	0.67	110	46	0.237
400307	-0.3	-0.3	30	1405	4	17	35	60	6.49	2	-2	2.95	2.31	1.26	0.027	292	0.40	79	36	0.010
400308	-0.3	-0.3	5	1022	10	12	34	46	6.58	3	-2	2.44	2.54	0.92	0.021	274	0.50	72	35	0.014
400309	-0.3	-0.3	5	1136	3	9	23	32	6.10	2	-2	2.86	2.18	0.80	0.022	280	0.45	62	40	0.005

Negative values indicate less than the reporting limit
99999 indicates greater than 10%

Activation Laboratories Ltd. Work Order No. 20746 Report No. 20481B

'Near Total' Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
400310	-0.3	-0.3	14	1040	-1	153	39	75	8.20	3	-2	4.50	1.92	2.98	0.115	872	0.43	108	54	0.007
400311	-0.3	0.3	38	1227	3	27	16	61	5.49	2	-2	3.29	0.74	1.59	0.069	185	0.63	110	31	0.015
400312	-0.3	0.3	12	1146	2	24	42	76	5.59	2	-2	3.17	1.02	1.61	0.050	226	0.60	114	28	0.013
400313	-0.3	-0.3	9	1163	4	25	30	78	6.07	2	-2	3.12	1.18	1.68	0.047	249	0.58	109	28	0.013
400314	-0.3	-0.3	11	1166	2	24	24	73	6.20	2	-2	3.28	1.10	1.69	0.055	256	0.60	108	31	0.014
400315	-0.3	-0.3	71	1153	25	24	24	62	5.79	2	-2	3.25	0.89	1.50	0.056	279	0.64	116	33	0.051
400316	-0.3	0.4	18	1451	2	33	26	72	6.13	2	-2	3.57	0.97	1.95	0.079	196	0.58	109	38	0.011
400317	-0.3	0.7	14	1517	1	29	26	73	5.21	2	-2	3.46	0.86	1.83	0.065	170	0.68	118	36	0.011
400318	-0.3	1.0	37	1005	3	31	12	132	5.05	1	-2	3.09	0.79	1.58	0.041	148	0.51	115	30	0.037
400319	0.3	2.3	88	247	6	8	4	26	1.05	-1	-2	0.57	0.21	0.36	0.035	43	0.22	54	5	0.906
400320	0.3	-0.3	21	1184	3	22	15	70	5.72	1	3	2.32	0.72	1.93	0.045	134	0.62	199	25	0.013
400321	0.3	0.4	13	1336	2	24	25	60	5.28	1	-2	3.05	0.77	1.75	0.032	153	0.71	133	29	0.009
400321/R	0.3	0.5	14	1362	3	23	20	58	5.04	1	-2	2.87	0.73	1.68	0.035	157	0.74	130	29	0.011
328109	0.3	-0.3	9	1198	6	23	40	60	5.40	2	2	3.31	0.82	1.46	0.044	318	0.57	106	25	0.023
328110	0.3	-0.3	8	1179	4	24	18	47	5.34	1	-2	3.25	0.74	1.52	0.033	279	0.54	96	29	0.013
328111	0.3	0.4	19	1369	4	38	18	69	5.91	2	-2	3.43	0.90	1.93	0.057	209	0.59	130	33	0.023
328112	-0.3	-0.3	18	1222	1	38	24	69	5.93	2	-2	3.44	0.95	1.99	0.063	193	0.49	114	30	0.010
328113	-0.3	0.5	39	874	5	32	16	61	5.50	1	-2	2.40	0.88	1.62	0.045	176	0.44	91	26	0.013
328114	0.3	1.7	42	1948	2	75	53	201	6.00	1	-2	1.48	1.01	2.43	0.055	130	0.36	174	21	0.044
328140	0.3	0.7	107	1493	-1	48	-3	132	4.78	-1	-2	0.40	0.28	1.35	0.041	52	1.05	244	16	0.147
328142	0.3	-0.3	77	1227	-1	83	5	131	5.63	1	-2	2.14	0.36	2.45	0.127	120	0.35	178	43	0.035
328143	0.3	1.1	128	1426	2	81	12	270	5.51	1	2	2.77	0.41	2.31	0.056	128	0.97	231	23	0.048
328144	0.3	0.9	125	1287	2	93	-3	259	6.23	1	-2	2.80	0.45	2.43	0.043	146	0.96	227	23	0.087
328145	0.3	0.3	58	1526	3	123	10	146	5.71	1	2	2.51	0.55	2.62	0.061	197	0.73	155	19	0.034
328146	-0.3	1.1	39	1973	3	54	-3	137	6.34	1	-2	5.90	0.38	2.83	0.042	160	0.81	218	33	0.004
328147	-0.3	0.8	92	1511	4	75	3	150	6.58	1	-2	5.54	0.41	2.91	0.063	140	1.12	312	33	0.006
328148	-0.3	0.8	31	1609	3	37	6	164	6.72	1	-2	6.08	0.44	2.93	0.041	205	0.87	252	33	0.006
328148/R	-0.3	0.6	28	1552	2	37	4	153	6.37	1	-2	5.70	0.41	2.74	0.040	195	0.93	233	31	0.007
328149	-0.3	0.7	122	1287	2	140	6	281	6.59	1	-2	2.50	0.45	2.16	0.054	123	0.76	196	42	0.033
328150	-0.3	0.7	122	1301	3	206	15	198	5.34	2	-2	3.23	0.36	4.51	0.078	103	1.19	267	21	0.025
400333	-0.3	0.5	73	1527	2	103	-3	110	6.53	-1	-2	3.17	0.13	3.19	0.059	138	1.17	224	27	0.004
400334	-0.3	0.8	54	1751	1	56	4	131	5.51	1	-2	2.85	0.21	2.60	0.058	120	1.41	246	47	0.008
400335	-0.3	0.9	150	1328	1	156	6	211	5.60	1	-2	1.99	0.30	2.52	0.045	114	1.03	303	32	0.060
400336	-0.3	0.9	68	1281	5	62	4	142	6.21	1	-2	4.49	0.28	2.71	0.063	189	1.26	297	27	0.014
400337	-0.3	0.8	64	1591	4	86	14	122	5.59	1	-2	3.22	0.22	3.25	0.090	109	1.61	230	39	0.029
400338	-0.3	0.3	110	1602	1	104	-3	139	5.63	1	2	3.15	0.24	3.06	0.071	136	1.44	310	33	0.027
400339	-0.3	0.9	84	1612	2	76	8	116	5.46	1	-2	3.22	0.22	2.82	0.105	116	1.56	220	42	0.023
400340	-0.3	0.8	62	1493	1	77	6	113	5.47	-1	-2	3.17	0.21	2.58	0.067	148	1.05	195	38	0.048
400341	-0.3	0.4	68	1532	-1	76	10	118	5.79	-1	-2	3.18	0.22	2.92	0.054	141	0.58	150	37	0.069
400342	-0.3	-0.3	75	1354	3	70	9	152	6.62	1	-2	3.29	0.49	2.86	0.066	189	1.08	249	30	0.013
400343	-0.3	0.8	102	1304	5	80	5	100	5.96	1	-2	4.69	0.27	3.24	0.045	171	1.50	357	18	0.011
400344	-0.3	-0.3	94	1354	1	170	-3	123	5.30	1	-2	4.89	0.26	4.00	0.079	138	1.77	270	30	0.029
400345	0.3	0.5	46	1585	1	64	-3	128	5.85	1	-2	3.61	0.26	2.59	0.057	184	1.21	195	33	0.023
400345/R	-0.3	-0.3	39	1608	2	65	13	125	5.90	1	-2	3.92	0.26	2.48	0.061	189	0.92	146	35	0.023
328115	0.3	0.5	36	1489	4	85	5	154	6.14	1	-2	5.34	0.38	2.88	0.048	168	0.96	206	31	0.011
328116	-0.3	-0.3	538	1603	4	97	13	113	6.17	1	-2	5.61	0.36	2.59	0.114	141	1.41	301	23	0.127
328117	-0.3	-0.3	120	920	4	92	23	76	6.06	-1	-2	5.77	0.36	2.40	0.038	207	0.77	293	9	0.039
328118	-0.3	0.5	53	1655	3	152	12	113	6.03	1	-2	4.78	0.30	3.58	0.042	162	0.92	266	26	0.030
328119	-0.3	0.4	49	1528	-1	95	3	124	6.68	1	-2	5.25	0.39	3.58	0.067	205	0.99	251	26	0.017
328120	-0.3	0.9	86	1755	2	65	-3	156	5.53	-1	-2	0.59	0.31	1.77	0.042	58	0.75	210	18	0.100
328121	-0.3	0.3	56	801	1	80	9	82	5.78	-1	-2	0.71	1.12	0.98	0.060	158	0.56	117	14	0.028
328122	0.3	-0.3	85	1475	2	105	6	107	6.54	-1	-2	6.54	0.30	3.25	0.058	313	0.80	313	26	0.093
328187	-0.3	0.6	77	1021	3	77	22	110	6.77	-1	-2	3.88	0.28	2.92	0.036	152	0.81	312	30	0.025

Negative values indicate less than the reporting limit
99999 indicates greater than 10%

Activation Laboratories Ltd. Work Order No. 20746 Report No. 20481B

"Near Total" Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
328188	-0.3	0.8	79	1591	3	104	6	127	6.14	1	-2	2.75	0.35	3.14	0.071	150	1.30	340	29	0.065
328189	-0.3	0.4	103	1449	2	171	-3	99	5.09	-1	-2	1.46	0.33	2.97	0.046	66	1.10	244	19	0.049
328195	-0.3	1.7	67	1799	3	126	7	184	5.60	1	-2	0.93	1.31	1.50	0.035	73	0.73	201	22	0.017
328196	-0.3	1.1	69	1620	2	61	3	175	6.14	-1	-2	1.49	0.25	2.71	0.052	81	1.32	277	41	0.040
328197	-0.3	1.0	154	1532	2	51	4	126	6.09	1	-2	1.95	0.59	2.55	0.070	102	1.16	343	44	0.154
328197/R	-0.3	0.5	159	1594	3	51	14	128	6.31	1	-2	2.05	0.60	2.62	0.080	108	1.28	366	46	0.156
328198	-0.3	0.5	31	1262	3	81	-3	134	7.07	1	-2	5.47	0.39	3.51	0.058	166	1.06	222	34	0.011
328199	-0.3	0.9	23	1351	2	56	-3	116	6.37	1	2	4.85	0.37	2.59	0.038	136	1.28	237	39	0.016
328200	-0.3	0.5	74	1390	3	115	9	115	7.50	1	2	5.47	0.46	3.17	0.059	211	0.97	252	26	0.020
400576	-0.3	-0.3	81	1503	4	101	18	135	6.39	-1	-2	5.45	0.55	3.67	0.028	152	0.45	233	22	0.044
400577	-0.3	0.4	19	1921	2	34	5	88	6.15	1	-2	4.41	0.58	2.45	0.022	168	0.56	167	38	0.010
400578	-0.3	0.4	38	1802	3	52	16	114	6.63	-1	-2	5.50	0.39	3.35	0.020	176	0.68	244	31	0.018
328132	-0.3	-0.3	52	1175	-1	46	4	113	5.43	-1	-2	1.04	0.35	1.76	0.047	95	1.13	387	44	0.034
328133	-0.3	-0.3	87	1424	2	114	-3	143	5.71	-1	-2	0.55	1.26	1.64	0.055	53	1.10	307	13	0.035
328134	-0.3	0.7	53	1487	2	74	-3	94	6.56	-1	-2	4.89	0.32	2.99	0.039	192	1.07	261	28	0.020
328135	-0.3	0.3	55	1608	4	124	-3	101	6.42	-1	-2	6.57	0.29	3.40	0.070	269	0.73	319	25	0.045
328136	-0.3	-0.3	67	1407	3	77	12	116	5.91	1	-2	2.22	0.48	2.24	0.052	217	0.88	234	25	0.024
328137	-0.3	0.3	71	1182	1	82	-3	109	5.46	1	-2	1.77	0.67	1.62	0.062	213	0.66	182	24	0.064
328138	-0.3	0.3	33	1264	1	43	-3	54	4.87	1	-2	3.03	0.19	1.49	0.013	156	1.36	168	28	0.006
328139	-0.3	0.9	69	1424	3	78	9	131	5.81	1	-2	3.62	0.34	2.55	0.067	158	1.32	288	30	0.043
400322	-0.3	1.0	24	1222	3	60	4	117	5.89	1	-2	3.96	0.25	2.47	0.052	109	1.05	218	36	0.022
400323	-0.3	-0.3	86	781	1	193	6	87	5.73	-1	2	2.63	0.44	3.10	0.039	170	0.72	174	12	0.043
400324	-0.3	0.4	41	1451	3	77	5	125	5.52	-1	-2	3.44	0.28	2.60	0.042	147	0.95	236	28	0.007
400325	-0.3	-0.3	72	1575	4	135	9	125	5.89	1	-2	4.76	0.34	2.97	0.058	166	1.06	209	32	0.012
400326	-0.3	-0.3	56	1243	2	82	16	249	6.83	1	-2	4.16	0.62	2.47	0.100	168	0.88	148	34	0.253
400327	-0.3	-0.3	27	862	2	89	25	260	5.99	1	-2	3.07	1.05	2.18	0.044	167	0.42	119	15	0.027
400328	-0.3	0.8	81	1971	3	96	8	164	5.88	1	-2	3.12	0.23	2.71	0.054	144	1.28	340	32	0.049
400329	-0.3	0.8	50	1674	1	101	-3	124	5.77	1	-2	3.13	0.23	2.85	0.064	134	1.33	341	32	0.044
400330	-0.3	0.6	69	1214	1	111	11	94	6.20	-1	-2	3.80	0.16	3.09	0.047	123	1.11	295	27	0.027
400330/R	-0.3	-0.3	55	1660	2	108	-3	92	5.98	-1	-2	3.75	0.15	3.04	0.048	120	1.10	294	27	0.025
400331	-0.3	0.4	56	1351	4	96	9	92	6.06	-1	-2	5.09	0.22	3.29	0.049	142	1.05	298	27	0.096
400332	-0.3	-0.3	62	1241	-1	71	-3	124	5.44	1	-2	2.25	0.15	2.67	0.084	91	1.60	292	36	0.014
401151	-0.3	-0.3	11	1046	13	35	27	57	4.69	1	-2	2.92	0.66	1.74	0.050	218	0.61	118	27	0.019
401152	-0.3	0.3	16	1119	3	24	8	43	5.04	1	-2	2.81	0.65	1.60	0.060	176	0.63	105	33	0.011
401153	-0.3	-0.3	7	1184	4	23	15	46	5.05	2	-2	3.02	0.64	1.66	0.055	171	0.65	103	33	0.009
401154	-0.3	0.7	19	1301	3	37	22	87	5.92	2	-2	2.58	0.93	2.01	0.044	188	0.43	133	27	0.074
401155	-0.3	1.0	13	1334	3	41	22	95	5.52	1	-2	2.80	0.82	1.88	0.038	167	0.55	116	32	0.014
401156	-0.3	0.7	21	1208	3	57	31	120	5.09	1	-2	2.39	0.71	1.92	0.035	151	0.48	131	26	0.020
401157	-0.3	0.4	18	1451	4	35	5	61	5.51	1	-2	2.60	0.70	1.74	0.045	170	0.77	119	35	0.010
401158	-0.3	-0.3	15	1111	2	34	10	53	5.58	2	-2	2.57	0.82	1.67	0.045	183	0.61	117	29	0.008
328101	-0.3	0.4	17	1678	9	17	18	46	4.95	1	-2	2.78	0.53	1.31	0.026	170	0.68	105	32	0.029
328102	-0.3	0.6	19	1779	2	28	11	86	5.08	1	-2	2.94	0.53	1.63	0.023	146	0.46	128	27	0.025
328103	-0.3	1.3	34	1686	2	39	19	157	5.25	2	-2	2.89	0.64	1.78	0.058	148	0.64	141	31	0.033
328104	-0.3	1.9	30	1835	2	34	10	239	5.51	1	-2	2.97	0.67	1.75	0.062	148	0.64	128	35	0.025
328104/R	-0.3	2.2	28	1853	-1	36	11	238	5.81	2	-2	3.21	0.70	1.88	0.057	151	0.46	100	35	0.027
328105	-0.3	0.5	196	1995	4	274	24	103	5.70	1	-2	3.06	0.56	2.05	0.044	138	0.65	154	27	0.057
328106	-0.3	-0.3	68	1441	2	88	16	119	7.09	-1	-2	1.45	0.83	4.64	0.068	69	0.61	297	23	0.310
328107	-0.3	-0.3	32	1348	2	27	10	95	6.11	-1	-2	2.06	0.42	2.82	0.042	153	0.72	260	27	0.051
328108	-0.3	1.3	20	1455	2	215	8	139	4.91	1	-2	1.69	0.45	3.89	0.068	102	0.72	150	27	0.023
400573	-0.3	1.2	43	1733	3	26	14	127	5.60	-1	-2	1.28	0.26	1.96	0.033	87	0.70	292	20	0.026
400574	-0.3	0.3	39	1272	2	23	4	110	5.69	-1	-2	1.87	0.33	1.89	0.035	105	0.72	298	25	0.026
400575	-0.3	0.3	30	1291	2	13	-3	101	5.53	-1	-2	1.94	0.25	2.19	0.037	112	0.69	354	23	0.034
400579	-0.3	0.7	104	1625	2	57	5	176	5.60	-1	-2	4.31	0.30	2.59	0.043	133	0.65	227	26	0.063

Negative values indicate less than the reporting limit
99999 indicates greater than 10%

Activation Laboratories Ltd. Work Order No. 20746 Report No. 20481B

'Near Total' Digestion Analysis

SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	Be	Bi	Ca	K	Mg	P	Sr	Ti	V	Y	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
400580	0.3	-0.3	57	1531	2	41	3	146	5.58	-1	-2	4.11	0.35	2.35	0.029	134	0.62	209	26	0.035
-Blank Tray#	0.3	0.3	1	-1	-1	-1	-3	4	0.06	-1	-2	-0.01	0.01	-0.01	0.001	-1	-0.01	-2	-1	0.005
-Blank Tray #	0.3	-0.3	-1	-1	-1	-1	-3	2	-0.01	-1	-2	-0.01	0.01	-0.01	-0.001	-1	-0.01	-2	-1	0.001
-Blank Tray #	0.3	-0.3	-1	-1	-1	-1	-3	2	-0.01	-1	-2	-0.01	-0.01	-0.01	-0.001	-1	-0.01	-2	-1	0.002
-Blank Tray #	0.3	-0.3	1	-1	-1	-1	-3	2	0.01	-1	-2	-0.01	-0.01	-0.01	-0.001	-1	-0.01	-2	-1	0.002
G-2 cert	0.04	<u>0.016</u>	11	<u>232</u>	(1.1	(5	30	<u>86</u>	<u>8.147</u>	2.5	<u>0.037</u>	<u>1.401</u>	<u>3.718</u>	<u>0.452</u>	<u>0.061</u>	<u>478</u>	<u>0.288</u>	<u>36</u>	<u>11</u>	(0.01
G-2	0.3	-0.3	9	242	2	-1	26	84	5.52	2	-2	1.39	3.64	0.38	0.044	431	0.29	35	5	0.008
SDC-1 cert	0.041	(0.08	30	<u>883</u>	(2.5	38	25	<u>103</u>	<u>8.338</u>	3.0	0.26	<u>1.001</u>	<u>2.722</u>	<u>1.019</u>	<u>0.069</u>	<u>183</u>	<u>0.606</u>	<u>102</u>	<u>40</u>	<u>0.065</u>
SDC-1	0.3	0.4	29	856	-1	36	18	99	4.96	3	-2	0.97	2.54	0.89	0.047	164	0.60	98	19	0.056
DNC-1 cert	(0.027	(.182	96	<u>1154</u>	(.7	247	6.3	<u>66</u>	<u>9.687</u>	1	(.02	<u>8.055</u>	<u>0.19</u>	<u>6.06</u>	<u>0.037</u>	<u>145</u>	<u>0.287</u>	<u>148</u>	<u>18</u>	(0.039
DNC-1	0.3	-0.3	88	982	2	254	12	55	8.37	-1	-2	8.10	0.19	6.05	0.023	128	0.28	139	15	0.045
SCO-1 cert	<u>0.134</u>	<u>0.14</u>	<u>28.7</u>	<u>410</u>	<u>1.37</u>	<u>27</u>	<u>31</u>	<u>103</u>	<u>7.24</u>	<u>1.84</u>	<u>0.37</u>	<u>1.87</u>	<u>2.30</u>	<u>1.64</u>	<u>0.090</u>	<u>174</u>	<u>0.38</u>	<u>131</u>	<u>26</u>	<u>0.063</u>
SCO-1	-0.3	-0.3	27	365	3	26	29	96	6.35	2	-2	1.87	2.23	1.73	0.073	155	0.34	131	19	0.066
GXR-6 cert	1.3	(1	66	<u>1008</u>	2.4	27	101	<u>118</u>	<u>17.68</u>	1.4	(.29	<u>0.179</u>	<u>1.87</u>	<u>0.61</u>	<u>0.035</u>	<u>35</u>	<u>0.498</u>	<u>186</u>	<u>14</u>	<u>0.016</u>
GXR-6	0.4	-0.3	66	979	3	26	95	127	7.22	1	-2	0.10	1.53	0.38	0.056	32	0.50	203	4	0.013
GXR-2 cert	17	4.1	76	<u>1008</u>	(2.1	21	690	<u>530</u>	<u>16.46</u>	1.7	(.69	<u>0.929</u>	<u>1.37</u>	<u>0.85</u>	<u>0.105</u>	<u>160</u>	<u>0.3</u>	<u>52</u>	<u>17</u>	<u>0.031</u>
GXR-2	17.3	4.0	80	990	3	18	714	554	6.54	2	2	0.84	1.26	0.69	0.056	147	0.31	55	9	0.027
GXR-1 cert	31	3.3	<u>1110</u>	<u>853</u>	18	41	<u>730</u>	<u>760</u>	<u>3.52</u>	1.22	<u>1380</u>	<u>0.958</u>	<u>0.05</u>	<u>0.22</u>	<u>0.065</u>	<u>275</u>	<u>0.036</u>	<u>80</u>	<u>32</u>	<u>0.257</u>
GXR-1	30.2	4.3	1150	980	18	44	750	730	2.05	1	1431	0.83	0.05	0.22	0.053	304	0.03	84	31	0.266
GXR-4 cert	4	(.86	<u>6520</u>	<u>155</u>	<u>310</u>	<u>42</u>	<u>52</u>	<u>73</u>	<u>7.20</u>	1.9	19	1.01	<u>4.01</u>	<u>1.66</u>	<u>0.120</u>	<u>221</u>	<u>0.29</u>	<u>87</u>	<u>14</u>	<u>1.770</u>
GXR-4	3.1	0.5	6149	145	329	39	54	71	5.93	2	16	1.03	4.24	1.97	0.117	229	0.26	90	13	1.833

Note: Certificate data underlined are recommended values; other values are proposed except those preceded by a "(" which are information values.
Barite, gahnite, chromite, cassiterite, zircon, sphene, and magnetite may not be totally dissolved.

Sample ID	Au ppb	Pt ppb	Pd ppb
401151	2	-5	-4
401152	2	5	-4
401153	4	-5	-4
401154	2	-5	-4
401155	-2	-5	-4
401156	8	5	5
401157	2	-5	-4
401158	3	-5	-4
328101	4	-5	-4
328102	3	-5	-4
328103	4	-5	-4
328104	5	-5	-4
328105	2	-5	-4
328106	4	-5	6
328107	4	-5	-4
328108	4	-5	-4
400573	-2	5	-4
400574	2	-5	-4
400575	-2	-5	-4
400579	4	-5	-4
400580	-2	-5	-4
STANDARD FA-10R	489	462	492
STD FA-10R CERT.	450-500	450-500	450-500