



Bergvesenet rapport nr <b>4798</b>	Intern Journal nr 0496/03	Internt arkiv nr	Rapport lokalisering	Gradering <b>Åpen</b>
Kommer fra .arkiv	Ekstern rapport nr	Oversendt fra Crew Norway AS	Fortrolig pga	Fortrolig fra dato:
Tittel Grong - PGE Reconnaissance Target Evaluation and Prioritization Part of the Norway Gold - 2000 series (Lillefjellklumpen Stormyrpluten Grøndalsfjell)				
Forfatter Bliss, I		Dato År 2000	Bedrift (Oppdragsgiver og/eller oppdragstaker) Crew Norway AS ICB Exploration Services	
Kommune Røyrvik	Fylke Nord-Trøndelag	Bergdistrikt	1: 50 000 kartblad 18242	1: 250 000 kartblad Grong
Fagområde Geologi Geokjemi	Dokument type	Forekomster (forekomst, gruvefelt, undersøkelsesfelt) Lillefjellklumpen Stormyrpluten Grøndalsfjell		
Råstoffgruppe Malm/metall	Råstofftype Au As Cu Ni Co Cr Pt Pd			
Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse Anomalous Pt - Pd values were attained at both Lillefjellklumpen and Stormyrpluten with the highest value of 2281 ppb Pt + Pd coming from the former. Both showings are of wery limited areal extent and further mineralization was not observed. The intrusions themselves are likely to small to host a viably ore deposit even if economic grades existed. No further work is recomended. The geophysical data and drill logs for the Lillefjellklumpen area should be consulted before this concession is relinquished..  Aprox. 5 km south-west of Lillefjellklumpen is the Grøndalsfjell Intrussive Complex ( GIC). This large well layered, basic-ultrabasic intrusion of similar age to the Stormyrpluten and Lillefjellklumpen whose emplacement was characterized by activ stoping and multiple magma influxes ( Meyer and Grenne 1999) Such features are ideal for scavenging PGEs within the magma chamber, particularly since the stoped country rocks are sulphide-rich. Thus the GIC represents an ideal target for the further PGM exploration.				

**GRONG - PGE RECONNAISSANCE,  
TARGET EVALUATION AND PRIORITIZATION**

*(part of the Norway Gold - 2000 series)*

Vedlegg	av
Jnr.	0496/03

BV 4798

J.nr 0496/03

BV 4798

**GRONG - PGE 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**

## Table of Contents

<b>Introduction</b>	1
<b>Regional Geology</b>	1
<b>Lillefjellklumpen and Stormyplutten</b>	3
Results	4
Discussion	4
Conclusion and Recommendation	5

## List of Figures

Fig. Anomalous Rock and Sediment Samples from Lillefjellklumpen and Stormyplutten.  
Fig. 2. Trenched Showing at Lillefjelleklumpen.

## 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.

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.

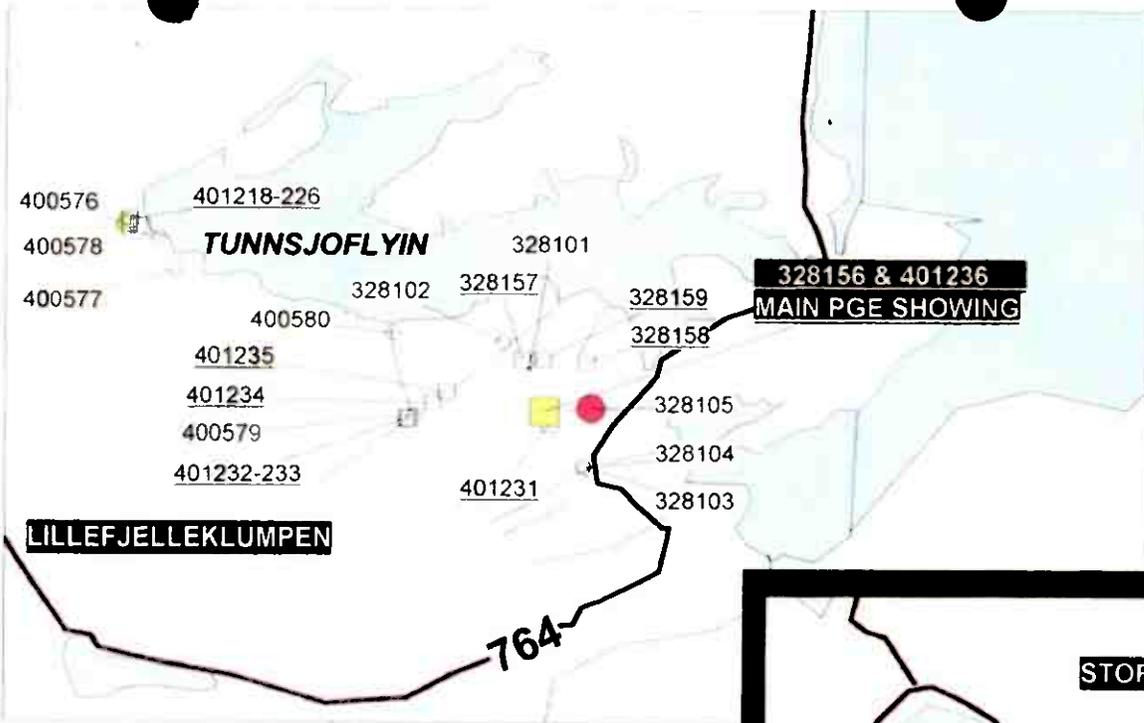
The Grong portion of the program was constantly hampered by bad weather which prevented air mobilization to camps north of the Sanddola River. The last few days we were on standby in-case the weather broke which meant less time was spent on the PGE targets at Stormyplutten and Lillefjellklumpen.

## 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.

Lillefjellklumpen and Stormyplutten are gabbros of bonitic affinity that have intruded the lower unit of the Skorovass Complex but are believed to be derivatives of the magma that fed the upper volcanic unit.

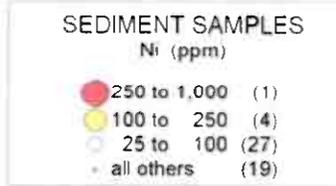
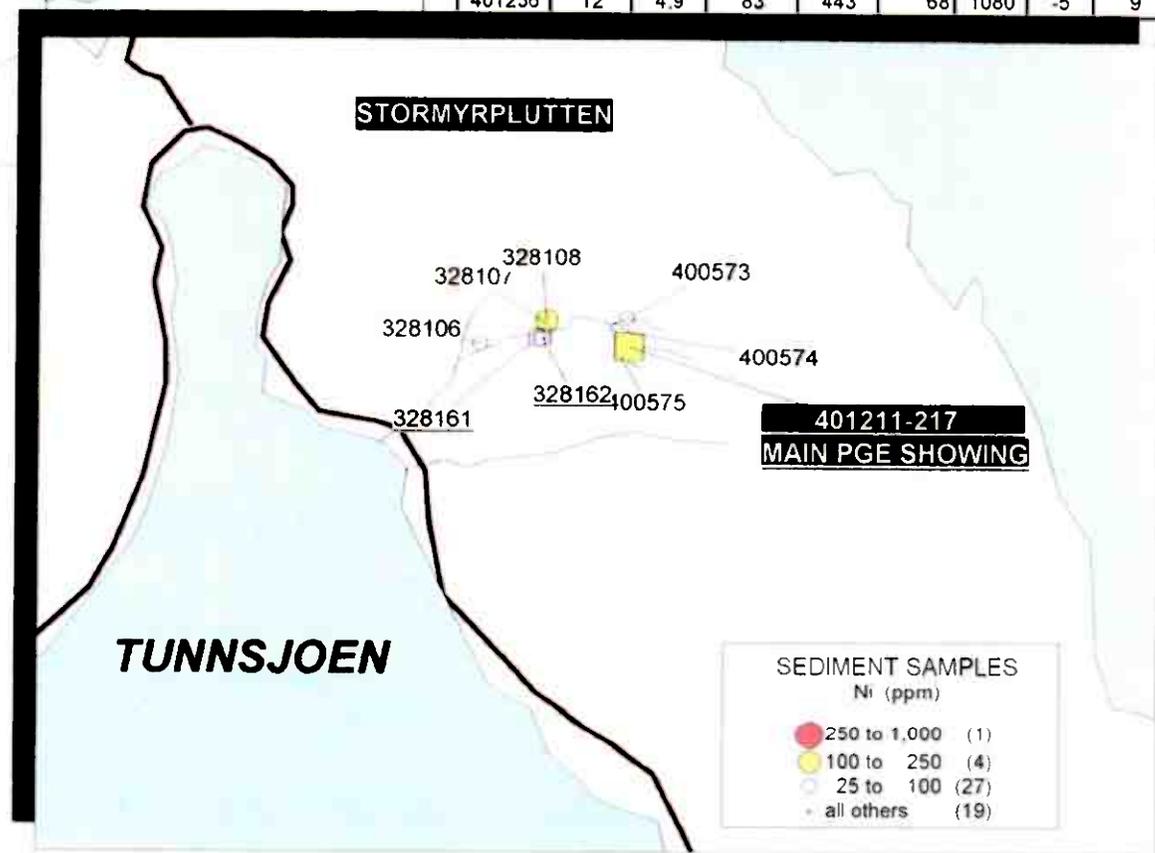


**LILLEFJELLEKLUMPEN**

Sample #	AU PPB	AS PPM	Cu ppm	Ni ppm	CO PPM	CR PPM	Pt ppb	Pd ppb
	INNA	INNA	ICP	ICP	INNA	INNA		
328156	130	1.8	15900	22110	879	400	531	1750
328157	52	47.1	376	57	3	130	10	-4
328158	10	71.7	213	68	240	130	-5	5
328159	-2	2.1	23	70	19	250	6	-4
401231	-2	3.9	117	4	16	52	-5	-4
401232	-2	10	177	5	16	85	-5	-4
401233	-2	8.1	795	15	42	54	-5	8
401234	-2	15.8	226	36	20	230	-5	4
401235	-2	5.8	361	12	55	9	-5	5
401236	12	4.9	83	443	68	1080	-5	9

**STORMYPLUTTEN**

Sample #	AU PPB	AS PPM	Cu ppm	Ni ppm	CO PPM	CR PPM	Pt ppb	Pd ppb
	INNA	INNA	ICP	ICP	INNA	INNA		
328161	24	3	11	9	16	140		
328162	4	5.4	16	28	14	160		
401211	9	16.2	12	5	64	38	-5	-4
401212	34	234	2575	351	247	467	145	147
401213	79	220	92480	361	196	302	137	483
401214	34	84.2	5652	3300	162	371	172	362
401215	14	17.8	4812	196	25	164	131	256
401216	18	26.3	2120	124	22	169	83	87
401217	53	349	7630	188	633	140	239	408



## LILLEFJELLKLUMPEN AND STORMYPLUTTEN

Lillefjellklumpen and Stormyplutten are relatively small plutons composed of medium to coarse grained gabbro that have intruded the sulphide-rich mafic volcanics of the Lower Skorovass Unit and are of primitive magmatic composition (Mg-rich). Magmatic layering and significant compositional layering were not noted though a fine grained chilled margin is present. Stormyplutten has a surface expression of approximately 60,000 sq.m while Lillefjellklumpen is somewhat larger at *ca.* 360,000 sq. m. Mineralization at Stormyplutten

The showing at Lillefjellklumpen is impressive but small (Fig 2) : 25 m x 1.5 m of massive Ni-pyrrhotite, chalcopyrite and magnetite. It is of the contact type with subsequent shearing. There is abundant disseminated pyrite in the surrounding mafic volcanics which may have been assimilated into the gabbro magma and aided in the scavenging of PGEs. If there is more PGE mineralization at Lillefjellklumpen it will likely be within the intrusion itself, either as a massive sulphide layer (reef) or as interstitial fillings.

The showing at Stormyplutten is significantly richer in chalcopyrite than Lillefjellklumpen. While massive sulphides do occur at Stormyplutten mineralization is dominated by vein-type and disseminated sulphides. The highest copper grades of 9% come from chalcopyrite veins in a chlorite altered gabbro. Pyrite veins are also described from this location (per. comm. Oyvik)

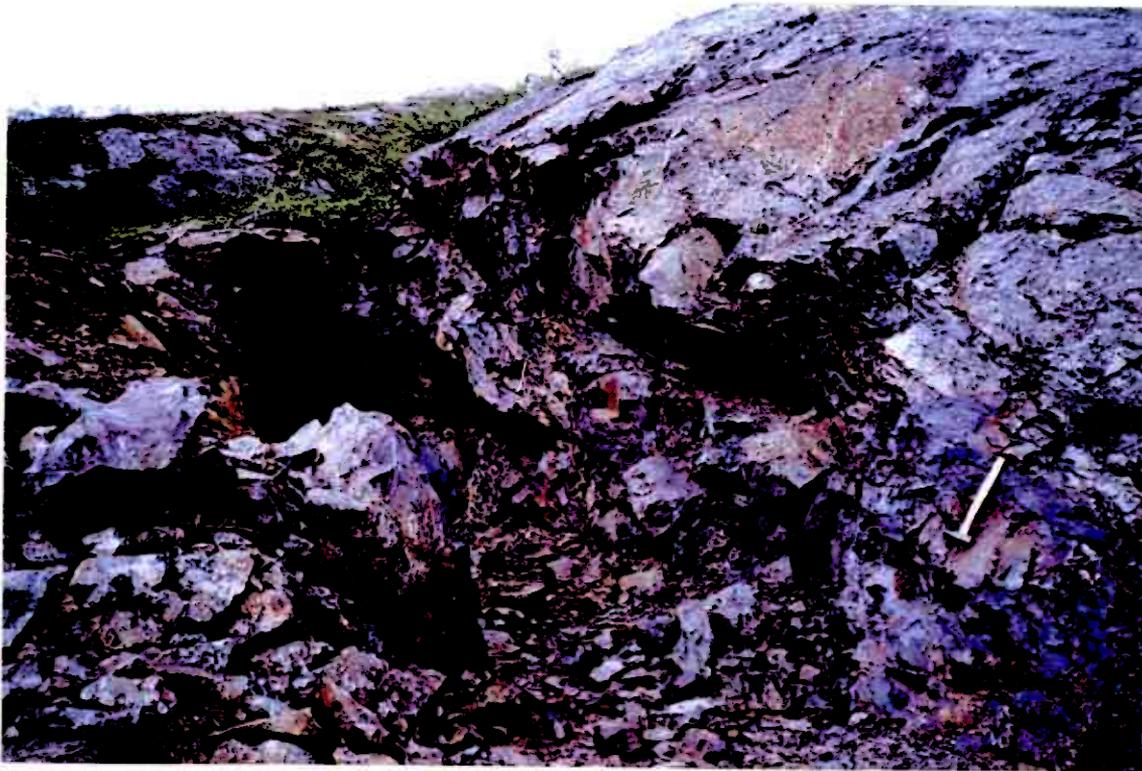


Fig 2 The trenched Ni-Cu-PGE showing at Lillefjellklumpen.

## Results

While rock sampling did return highly anomalous Pt-Pd values from both locations no new occurrences were discovered and the original showings are small. Litlfjellklumpen returned the best results with Pt+Pd+Au of 2.3 g/t. Sediment sampling was inconclusive with only the streams directly draining the showings returning significantly anomalous assays in Ni, Cu or Co, though other streams nearby were weakly anomalous in these elements. However, at Litlfjellklumpen neither Pt or Pd were detected in the stream that drained the mineralization and Pt only just detectable at Stormyplutten (6 ppb). A volcanic hosted massive sulphide targets occurs five kilometers west of Lillefjellklumpen at the end of Tunnsjøflyin which causes a strong EM anomaly. This was prospected and sampled due to its proximity to the Ni-Cu-PGE target at Lillefjellklumpen. 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).

At Stormyplutten, Pt and Pd are directly correlated with elevated As suggesting that Sperrylite ( $PtAs_2$ ) is a significant component of the mineralizing system. Copper is also highly anomalous (2120-92,480 ppm) in all Pt-Pd bearing samples though nickel is generally low. Lillefjelleklumpen differs by being As poor and Ni and Ir rich.

## DISCUSSION

The intrusion at Stormyplutten is too small to host a viable PGE deposit even if economic grades of PGE existed. Lillefjellklumpen is larger but the government sponsored airborne magnetic survey shows the intrusion as a magnetic low. This is not unusual for barren Mg-rich gabbros but the Ni-Cu-PGE showing at Lillefjellklumpen is strongly magnetic and if similar mineralization continues within all, or part of the intrusion then a magnetic high would be expected. There is an EM anomaly at Lillefjellklumpen that has been drilled tested. The author is unsure of the exact details of the drill program but a verbal summary translation of the report (pers comm. Oyvik) suggests that significant Ni-Cu-PGE mineralization was not encountered.

The fact that Pt and Pd were not, or only barely detected in streams draining the showings may be a concern for any future exploration for PGE's. When exploring for Pt-Pd it may be necessary to look for anomalies in some of the pathfinders (Ni, Cu, Co, Cr, As, Au) rather than Pt and Pd themselves.

## CONCLUSION

Anomalous Pt-Pd values were attained at both Lillefjellklumpen and Stormyplutten with the highest value of 2281 ppb Pt+Pd coming from the former. Both showings are of very limited areal extent and further mineralization was not observed. The intrusions themselves are likely too small to host a viable ore deposit even if economic grades existed.

No further field work is recommended. The geophysical data and drill logs for the Lillefjellklumpen area should be consulted before this concession is relinquished.

Approximately 5 km south-west of Lillefjellklumpen is the Grondalsfjell Intrusive Complex (GIC). This is a large, well layered, basic-ultrabasic intrusion of similar age to the Stormyplutten and Lillefjellklumpen whose emplacement was characterized by active stoping and multiple magma influxes (Meyer and Grenne, 1999). Such features are ideal for scavenging PGEs within the magma chamber, particularly since the stoped country rocks are sulphide-rich. Thus the GIC represents an ideal target for further PGE exploration.

**Appendix A**  
Rock and Sediment Sample Location Map

**Appendix B**  
Rock Sample Results

Sample No.	Northing	Easting	Location	Int	Description	AU	AS	Ag
						PPB	PPM	ppm
						INNA	INNA	ICP
328156	7172998	411858	Litlfjellklumpen	Comp	Massive to semi-massive Ni bearing Po-Cpy-(mag)	130	1.8	4.5
328157	7173516	411638	Litlfjellklumpen	grab	Weak shear zone in volc with porous qtz vein and 10% diss Py	52	47.1	0.5
328158	7173495	412275	Litlfjellklumpen	grab	15% diss Py>>Cpy=Po im mafic volc, some sil'n and quartz vein.	10	71.7	-0.3
328159	7173519	411840	Litlfjellklumpen	grab	Coarse grained gabbro with minor Py along Plag alt'd fractures.	-2	2.1	-0.3
328161	7184474	426554	Stormyplutten	float	Qts-Py vein w chl-ank alt'n, host rocks = chl'd mafic volc.	24	3	-0.3
328162	7184490	426604	Stormyplutten	grab	Qtz vein w euhedral Py, tr Maghosted in chl-alt mafic schist.	4	5.4	-0.3
401211	7184715	427085	Stormyplutten	dump	Py-"veins" in fine grained gabbro	9	16.2	-0.3
401212	7184715	427085	Stormyplutten	dump	Euhedral Py and rounded Py + minor cpy in chl't gabbro	34	234	0.9
401213	7184715	427085	Stormyplutten	dump	Cpy veins in chlorite alt'd gabbro	79	220	26.4
401214	7184715	427085	Stormyplutten	dump	Po+Cpy in gabbro	34	84.2	1.7
401215	7184715	427085	Stormyplutten	dump	Diss Po on gabbro	14	17.8	1.4
401216	7184715	427085	Stormyplutten	dump	Qtz-vein, chl+cpy+py in wallrock	18	26.3	0.6
401217	7184715	427085	Stormyplutten	0.2	Weathered Py+Cpy+chl+qtz	53	349	2.0
401231	7172884	411911	Litlfjellklumpen	comp	Diss py in fine grained gabbro	-2	3.9	-0.3
401232	7172923	410491	Litlfjellklumpen	Comp	Sil'd gabbro/dolerite, very fine grained, qtz-chl-py-po-cpy in fault zone	-2	10	-0.3
401233	7172936	410512	Litlfjellklumpen	float	Po-py-cpy in fine grained gabbro/dolerite, 5-10% sulphides.	-2	8.1	-0.3
401234	7173085	410750	Litlfjellklumpen	float	Qtz vein with euh py + fine grained sulphides + chl in fine grained gabbro+py	-2	15.8	-0.3
401235	7173198	410888	Litlfjellklumpen	grab	Diss py in fine grained gabbro, Py on contact to cm-scale qtz veins.	-2	5.8	-0.3
401236	7172934	411906	Litlfjellklumpen	grab	Coarse grained gabbro with diss Py. XRF	12	4.9	-0.3

Sample No.	Cu	Pb	Zn	Mo	Ni	CO	CR	SB	W	Au	Pt	Pd	AG	BA	BR	CA	CS	FE	HF
	ppm	ppm	ppm	ppm	ppm	PPM	PPM	PPM	PPM	g/t	ppb	ppb	PPM	PPM	PPM	%	PPM	%	PPM
	ICP	ICP	ICP	ICP	ICP	INNA	INNA	INNA	INNA	FA			INNA						
328156	15900	-3	236	3	22110	879	400	-0.1	-1	115	531	1750	-5	-50	-0.5	-1	-1	48.8	-1
328157	376	-3	27	150	57	3	130	-0.1	-1	40	10	-4	-5	-50	-0.5	1	-1	6.67	-1
328158	213	5	79	105	68	240	130	-0.1	1	3	-5	5	-5	-50	-0.5	5	-1	15.2	1
328159	23	4	88	2	70	19	250	0.3	-1	-1	6	-4	-5	320	-0.5	7	1	5.93	1
328161	11	15	74	-1	9	16	140	0.4	1				-5	130	-0.5	-1	-1	4.13	-1
328162	16	5	83	1	28	14	160	0.2	-1				-5	110	-0.5	-1	-1	7.83	-1
401211	12	5	59	-1	5	64	38	0.6	-1	6	-5	-4	-5	-51	-0.5	-1	-1	9.51	4
401212	2575	6	66	-1	351	247	467	-0.1	-1	27	145	147	-5	-50	-0.5	6	-1	16.5	-1
401213	92480	34	181	-1	361	196	302	-0.1	-1	63	137	483	34	-50	-0.5	2	-1	25.5	-1
401214	5652	-3	69	-1	3300	162	371	0.3	-1	22	172	362	-5	-50	-0.5	5	-1	22.1	-1
401215	4812	8	68	1	196	25	164	0.5	-1	16	131	256	-5	-50	-0.5	8	1	11.4	-1
401216	2120	5	32	-1	124	22	169	0.2	-1	9	83	87	-5	-50	-0.5	2	-1	7.75	-1
401217	7630	4	43	3	188	633	140	4.3	-1	41	239	408	-5	-50	-0.5	5	-1	17.6	-1
401231	117	-3	76	8	4	16	52	-0.1	-1	5	-5	-4	-5	200	-0.5	6	-1	9.5	2
401232	177	-3	20	3	5	16	85	0.3	-1	2	-5	-4	-5	99	-0.5	-1	-1	2.22	4
401233	795	-3	91	5	15	42	54	0.3	-1	3	-5	8	-5	-50	-0.5	4	-1	8.19	6
401234	226	-3	29	60	36	20	230	0.7	-1	4	-5	4	-5	-50	-0.5	-1	-1	3.73	-1
401235	361	-3	84	3	12	55	9	2.7	-1	7	-5	5	-5	-50	-0.5	5	-1	9.4	3
401236	83	9	61	-1	443	68	1080	2.5	-1	7	-5	9	-5	-50	-0.5	7	-1	7.19	-1

Sample No.	HG	IR	MO	NA	NI	RB	SC	SE	SN	SR	TA	TH	U	ZN	LA	CE	ND
	PPM	PPB	PPM	%	PPM	PPM	PPM	PPM	%	%	PPM						
	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA	INNA
328156	1	190	-1	0.04	23000	-15	2.1	59	-0.01	-0.05	-0.5	-0.2	-0.5	258	-0.5	-3	-5
328157	-1	-5	160	0.46	64	-15	6.7	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-50	0.9	-3	-5
328158	-1	-5	100	0.31	70	-15	27.6	-3	-0.01	-0.05	-0.5	-0.2	0.8	86	5.7	12	9
328159	-1	-5	-1	1.82	70	47	26	-3	-0.01	-0.05	-0.5	2.3	-0.5	153	4.8	11	6
328161	-1	-5	-1	1.01	-20	-15	17.6	-3	-0.01	-0.05	-0.5	0.5	1	91	1.5	5	-5
328162	1	-5	-1	0.05	-20	-15	4.6	-3	-0.02	-0.05	-0.5	0.7	0.6	88	5.2	8	7
401211	-1	-5	-1	4.73	-68	-15	25.7	-3	-0.02	-0.05	-0.5	1.7	-0.5	-50	10.5	29	22
401212	-1	-5	-1	0.08	330	-15	45.1	22	-0.02	-0.05	-0.5	-0.2	-0.5	126	1.8	-3	8
401213	-1	-5	-1	0.05	380	-15	21.6	120	-0.02	-0.05	-0.5	-0.2	-0.5	221	0.6	-3	-5
401214	-1	-5	-1	0.06	3300	-15	44.7	25	-0.01	-0.05	-0.5	-0.2	0.8	88	1.6	-3	-5
401215	-1	-5	-1	0.09	250	-15	45.5	11	-0.01	-0.05	-0.5	-0.2	-0.5	-50	1.9	5	-5
401216	-1	-5	-1	0.02	120	-15	17.5	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-50	0.5	-3	-5
401217	-1	-5	-1	0.03	200	-15	29.1	35	-0.02	-0.05	-0.5	-0.2	-0.5	-50	1	-3	-5
401231	-1	-5	-1	2.34	-47	67	37.4	-3	-0.02	-0.05	-0.5	0.5	-0.5	-50	3.8	7	-5
401232	-1	-5	-1	5.12	-46	-15	6.8	-3	-0.01	-0.05	-0.5	2.7	-0.5	-50	9.4	20	11
401233	-1	-5	7	4.42	-48	-15	25.3	6	-0.02	-0.05	-0.5	1.3	-0.5	159	12	31	29
401234	-1	-5	64	0.35	-21	-15	9	-3	-0.01	-0.05	-0.5	-0.2	-0.5	-50	0.6	-3	-5
401235	-1	-5	-1	2.62	-44	-15	38.7	-3	-0.01	-0.05	-0.5	0.5	-0.5	161	4.4	16	9
401236	1	-5	-1	0.29	498	-15	34.1	-3	-0.01	-0.05	-0.5	-0.2	-0.5	105	1.3	4	7

Sample No.	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	g	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	%
	INNA	INNA	INNA	INNA	INNA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
328156	0.1	-0.2	-0.5	0.4	0.06	46.93	5.2	334	0.40	-1	11	0.55	0.02	0.74	-0.001	9	0.03	77	-1	14.480
328157	0.5	0.3	-0.5	0.5	0.1	34.32	-0.3	359	1.50	-1	-2	1.15	0.12	0.60	0.010	36	0.14	87	4	0.228
328158	3.3	1.2	1.1	4.5	0.71	35.61	-0.3	1597	4.49	-1	-2	5.53	0.27	3.06	0.013	81	0.50	281	42	9.213
328159	1.7	0.6	-0.5	1.7	0.31	32.29	-0.3	1684	7.25	-1	-2	7.27	1.23	3.08	0.021	215	0.32	157	12	0.155
328161	0.5	-0.2	-0.5	0.8	0.14	27.13	0.3	391	3.01	-1	-2	0.50	0.80	0.84	0.021	30	0.21	181	3	0.830
328162	1.5	0.5	-0.5	1.3	0.2	32.81	0.5	375	1.76	-1	-2	0.49	0.57	0.90	0.043	21	0.05	65	5	4.502
401211	6.5	2	-0.5	6.1	0.95	29.75	1.0	1243	5.13	-1	5	2.63	0.56	1.14	0.167	76	0.64	61	45	2.507
401212	1.1	0.5	-0.5	0.9	0.12	28.5	0.5	958	6.42	-1	-2	5.17	0.02	5.05	0.012	118	0.27	181	7	5.324
401213	0.4	-0.2	-0.5	-0.2	-0.05	33.06	14.5	864	4.26	-1	-2	1.51	0.02	4.29	-0.001	25	0.10	96	3	11.967
401214	0.9	-0.2	-0.5	0.9	0.16	32.13	1.7	934	5.65	-1	4	3.88	0.02	4.12	0.014	74	0.21	162	7	6.260
401215	1.4	0.6	-0.5	1.1	0.17	29.06	0.6	1106	6.20	-1	-2	7.60	0.02	3.96	0.014	163	0.40	263	10	0.830
401216	0.4	0.2	-0.5	0.4	0.06	27.98	0.6	427	2.82	-1	-2	1.67	-0.01	2.21	0.013	44	0.12	91	3	0.519
401217	0.6	0.3	-0.5	0.7	0.11	29.17	0.8	726	5.08	-1	-2	3.93	0.03	2.74	0.005	132	0.17	150	5	7.225
401231	2	0.7	-0.5	2	0.33	24.73	-0.3	1648	7.26	-1	-2	5.07	0.82	2.85	0.032	143	0.61	379	13	1.108
401232	3.8	0.5	0.6	5.8	0.87	26.97	0.3	283	3.65	-1	-2	0.81	0.05	0.22	0.014	56	0.15	18	17	0.872
401233	8.5	2.3	1.4	7.8	1.25	26.76	0.5	1347	5.42	-1	-2	3.91	0.07	1.41	0.147	81	0.83	112	60	1.066
401234	0.2	-0.2	-0.5	-0.2	-0.05	25.98	0.4	367	1.76	-1	-2	0.87	0.22	0.87	0.003	27	0.10	67	1	1.906
401235	4.3	1.7	0.9	4.5	0.64	27.55	0.5	1408	6.19	-1	-2	4.94	0.49	2.81	0.046	116	1.00	327	38	2.568
401236	0.8	0.3	-0.5	0.7	0.1	25.21	-0.3	1152	5.39	-1	-2	9.09	0.10	11.01	0.010	86	0.18	128	6	0.085

**Appendix C**  
Stream Sediment Sample Results

Sample No.	Northing	Easting	Location	Description	AU	AS	Ag	Cu	Pb	Zn	Mo	Ni	CO
					PPB	PPM	ppm	ppm	ppm	ppm	ppm	ppm	PPM
					INNA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	INNA
328101	7173421	411715	Litlfjellklumpen	Small, fast flowing creek, little sediment. organic rich.	-2	2.5	-0.3	17	18	46	9	17	29
328102	7173690	411450	Litlfjellklumpen	Moderate fast flowing stream, abundant sediment on inside of bends.	-2	7.8	-0.3	19	11	86	2	28	43
328103	7172472	412246	Litlfjellklumpen	Moderate fast flowing stream, mod sediment.	-2	12.5	-0.3	34	19	157	2	39	32
328104	7172439	412251	Litlfjellklumpen	Moderate fast flowing stream, mod sediment.	-2	12.6	-0.3	30	10	239	2	34	29
328105	7173031	412324	Litlfjellklumpen	Moderate fast flowing stream, little sediment.	-2	16.2	-0.3	196	24	103	4	274	200
328106	7184421	425986	Stormyplutten	Large, fast flowing creek, little sediment.	-2	11.2	-0.3	68	16	119	2	88	43
328107	7184604	426670	Stormyplutten	Meduim sized stream, fast flowing , abundant sed, host rocks = chl-ser alt'd mafics.	-2	22.3	-0.3	32	10	95	2	27	31
328108	7184648	426656	Stormyplutten	Moderate fast flowing stream, abundant sediment.	15	9.4	-0.3	20	8	139	2	215	49
400573	7184681	427452	Stormyrpluten	small creek, mod sed	8	138	-0.3	43	14	127	3	26	32
400574	7184533	427466	Stormyrpluten	small creek, mod sed	-2	124	-0.3	39	4	110	2	23	27
400575	7184294	427384	Stormyrpluten	small creek, poor sed	-2	10.5	-0.3	30	-3	101	2	13	32
400579	7172963	410563	Lillefjellklumpen	med creek lot of sed. Rusty rocks on both sides.	-2	30.9	-0.3	104	5	176	2	57	51
400580	7173784	410353	Lillefjellklumpen	med-big creek, good sed	-2	30.8	-0.3	57	3	146	2	41	42

Sample No.	CR	SB	W	Au	Pt	Pd	AG	BA	BR	CA	CS	FE	HF	HG	IR	MO	NA	NI	RB	SC	SE	SN
	PPM	PPM	PPM	g/t	ppb	ppb	PPM	PPM	PPM	%	PPM	%	PPM	PPM	PPB	PPM	%	PPM	PPM	PPM	PPM	%
	INNA	INNA	INNA	FA	FA	FA	INNA															
328101	120	0.3	-1	4	-5	-4	-5	140	22.2	4	-1	5.08	14	-1	-5	7	1.49	-20	29	19.4	-3	-0.01
328102	130	0.4	-1	3	-5	-4	-5	200	27.5	4	-1	5.85	12	-1	-5	2	1.48	-20	-15	22.9	-3	-0.01
328103	110	-0.1	-1	4	-5	-4	-5	190	32.5	3	2	5	10	-1	-5	-1	1.6	-20	-15	20	-3	-0.01
328104	110	-0.1	-1	5	-5	-4	-5	240	23.6	4	2	5.29	12	-1	-5	-1	1.7	63	19	21.7	-3	-0.01
328105	180	0.5	-1	2	-5	-4	-5	200	80.6	4	-1	8.3	11	-1	-5	7	1.98	330	-15	26	-3	-0.02
328106	240	-0.1	-1	4	-5	6	-5	190	12.8	-1	1	8.1	3	-1	-5	-1	2.75	93	-15	37.9	-3	-0.02
328107	90	0.3	-1	4	-5	-4	-5	280	12.9	3	-1	7.55	5	-1	-5	-1	3.18	-34	-15	44.1	-3	-0.02
328108	610	-0.1	-1	4	-5	-4	-5	180	20.6	-1	-1	7.79	9	-1	-5	-2	1.64	210	-15	26.1	-3	-0.02
400573	76	-0.1	-1	-2	5	-4	-5	130	31.3	-1	-1	8.03	4	-1	-5	-1	3.25	-32	-15	35.9	-3	-0.02
400574	71	-0.1	-1	2	-5	-4	-5	150	26.5	2	-1	7.17	6	-1	-5	-1	2.95	-31	-15	43.5	-3	-0.02
400575	60	-0.1	-1	-2	-5	-4	-5	150	22.1	2	-1	9.91	4	-1	-5	-2	3.99	-42	-15	54.2	-3	-0.03
400579	190	1.2	-1	4	-5	-4	-5	220	16.6	5	1	9.17	6	-1	-5	-1	1.72	-33	-15	38.7	-3	-0.02
400580	150	0.9	3	-2	-5	-4	-5	120	17.8	5	-1	9.2	7	-1	-5	-1	1.71	-27	-15	34.1	-3	-0.02

Sample No.	SR	TA	TH	U	ZN	LA	CE	ND	SM	EU	TB	YB	LU	Mass	Cd	Mn	Al	Be	Bi	Ca	K	Mg
	%	PPM	g	ppm	ppm	%	ppm	ppm	%	%	%											
	IN:JA	INNA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP												
328101	-0.05	1.8	4.2	3.5	-50	24.3	48	20	4.1	1.1	0.8	5.6	0.87	30	0.4	1678	4.95	1	-2	2.78	0.53	1.31
328102	-0.05	-0.5	3	1.8	97	15.2	31	14	3.4	1.2	0.6	5.9	0.91	23.02	0.6	1779	5.08	1	-2	2.94	0.53	1.63
328103	-0.05	-0.5	3.2	1.6	183	15.9	36	16	3.7	1.1	1	4.4	0.71	31.77	1.3	1686	5.25	2	-2	2.89	0.64	1.78
328104	-0.05	1.3	3.3	1.4	266	17.7	36	17	4	1.2	0.9	5.1	0.82	32.73	1.9	1835	5.51	1	-2	2.97	0.67	1.75
328105	-0.05	1.6	3.6	2	97	15.1	45	15	4.5	1.4	1.2	5.4	0.84	12.78	0.5	1995	5.70	1	-2	3.06	0.56	2.05
328106	-0.05	-0.5	1.4	-0.5	168	8.9	19	14	3.3	1.1	0.7	3.1	0.48	21.83	-0.3	1441	7.09	-1	-2	1.45	0.83	4.64
328107	-0.05	-0.5	2.2	-0.5	166	11.2	26	17	4.5	1.5	0.8	3.8	0.67	16.93	-0.3	1348	6.11	-1	-2	2.06	0.42	2.82
328108	-0.05	-0.5	4.1	-0.5	153	21	47	16	5.6	1.6	0.8	4.1	0.65	13.07	1.3	1455	4.91	1	-2	1.69	0.45	3.89
400573	-0.05	-0.5	1.6	1.5	107	8.2	18	-5	3.3	1.2	1.1	3.7	0.57	17.61	1.2	1733	5.60	-1	-2	1.28	0.26	1.96
400574	-0.05	-0.5	2	-0.5	158	9.6	22	11	3.8	1.4	0.8	3.5	0.56	19.65	0.3	1272	5.69	-1	-2	1.87	0.33	1.89
400575	-0.05	-0.5	1.6	-0.5	211	10.3	22	19	4.2	1.6	-0.5	4.1	0.66	13.45	0.3	1291	5.53	-1	-2	1.94	0.25	2.19
400579	-0.05	-0.5	1.8	-0.5	274	10.8	28	13	4.2	1.4	-0.5	4.8	0.84	16.55	0.7	1625	5.60	-1	-2	4.31	0.30	2.59
400580	-0.05	1	1.6	-0.5	211	9.8	26	14	3.8	1.4	0.9	4.6	0.7	21.92	-0.3	1531	5.58	-1	-2	4.11	0.35	2.35

Sample No.	P	Sr	Ti	V	Y	S
	%	ppm	%	ppm	ppm	%
	ICP	ICP	ICP	ICP	ICP	ICP
328101	0.026	170	0.68	105	32	0.029
328102	0.023	146	0.46	128	27	0.025
328103	0.058	148	0.64	141	31	0.033
328104	0.062	148	0.64	128	35	0.025
328105	0.044	138	0.65	154	27	0.057
328106	0.068	69	0.61	297	23	0.310
328107	0.042	153	0.72	260	27	0.051
328108	0.068	102	0.72	150	27	0.023
400573	0.033	87	0.70	292	20	0.026
400574	0.035	105	0.72	298	25	0.026
400575	0.037	112	0.69	354	23	0.034
400579	0.043	133	0.65	227	26	0.063
400580	0.029	134	0.62	209	26	0.035

**Appendix D**  
Certificates of Analysis

Quality Analysis...



Innovative Technologies

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 be "E. Hoffman", written over a horizontal line.

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

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
328 58	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 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
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	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	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 ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass 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*  
 Adrienne I. Rittau, B.Sc., O'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	16.057
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 ppm	Cd ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	Al %	Be ppm	Bi ppm	Ca %	K %	Mg %	P %	Sr ppm	Ti %	V ppm	Y ppm	S %
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.: 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.

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 :



DR E. HOFFMAN/GENERAL MANAGER

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	132	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	873	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	13	-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	2.8	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	60	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	5	-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	Sc ppm	Se 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(PREPDUP)	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(MULP 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	0.61	-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	25.7	-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	6	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	3.5	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	26.7	-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	29	-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	5.5	-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	15.2	-50	2.8	-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	1.5	-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	8.46	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	28.65
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	15	1.1	0.9	11.2	1.68	46.61
401179(PREP DUP)	-1	57	5.1	16	-5	14	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	1.2	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 re-reserve calculations. Assays are recommended for this purpose.  
 Sulphur will precipitate in samples containing massive sulphides.

*Adrienne I. Rittau*  
 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	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	0.022

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	<u>0.04</u>	<u>0.016</u>	11	<u>232</u>	(1.1	(5	30	<u>86</u>	<u>8.147</u>	<u>2.5</u>	<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>	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	<u>0.041</u>	(.08	30	<u>883</u>	(.25	38	25	<u>103</u>	<u>8.338</u>	<u>3.0</u>	<u>0.26</u>	<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	0.3	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	<u>1154</u>	(.7	<u>247</u>	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>	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	<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	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	<u>59.62</u>	<u>11.75</u>	<u>6.49</u>	<u>0.32</u>	<u>2.67</u>	<u>8.26</u>	<u>4.12</u>	<u>4.23</u>	<u>0.15</u>	<u>0.54</u>	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	<u>39.09</u>	<u>8.46</u>	<u>17.93</u>	<u>0.17</u>	<u>13.55</u>	<u>14.71</u>	<u>0.74</u>	<u>0.18</u>	<u>3.77</u>	<u>0.08</u>	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	<u>47.04</u>	<u>18.30</u>	<u>9.93</u>	<u>0.150</u>	<u>10.05</u>	<u>11.27</u>	<u>1.87</u>	<u>0.229</u>	<u>0.48</u>	<u>0.085</u>	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	<u>47.77</u>	<u>15.35</u>	<u>11.26</u>	<u>0.170</u>	<u>9.68</u>	<u>13.24</u>	<u>1.75</u>	<u>0.027</u>	<u>0.96</u>	<u>0.05</u>			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	<u>69.08</u>	<u>15.35</u>	<u>2.66</u>	<u>0.030</u>	<u>0.75</u>	<u>1.96</u>	<u>4.08</u>	<u>4.48</u>	<u>0.48</u>	<u>0.14</u>			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	<u>49.24</u>	<u>28.43</u>	<u>11.13</u>	<u>0.020</u>	<u>0.799</u>	<u>2.11</u>	<u>0.271</u>	<u>2.26</u>	<u>1.320</u>	<u>0.53</u>			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	<u>41.20</u>	<u>0.15</u>	<u>55.85</u>	<u>0.042</u>	<u>1.89</u>	<u>1.55</u>	<u>0.032</u>	<u>0.012</u>	<u>0.014</u>	<u>0.063</u>			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	<u>65.02</u>	<u>18.61</u>	<u>0.09</u>	<u>0.005</u>	<u>0.01</u>	<u>0.11</u>	<u>2.58</u>	<u>12.81</u>	<u>0.02</u>	<u>0.02</u>			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

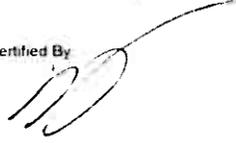
Customer: Crew Development Corp

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	146	-2
401180	10	156	-2
401181	38	154	8
401182	35	121	3
401183	9	89	6
401184	19	68	-2
401185	21	83	-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	80	-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 reproduced except in full without the written approval of the laboratory.  
Unless otherwise specified, samples will be disposed of 90 days from the date of this report.

Date: 26/9/08