YEIP
04-060
2004

Final Report
On

Mt Braine Target Area

Focused Regional Module
YMIP

By
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September 2, 2004

YMIP 04-060

Project Location – The Mt Braine project is located in the Mayo Mining District on NTS mapsheet 106-D-9 at 64° 34' and 134° 14'. It is situated 140 kilometres NE of Mayo, adjacent to the north side of Mcluskey Lakes Pass.

Access – Access to the property is best achieved by helicopter. An old winter road/bulldozer trail extends from Elsa through Mcluskey Pass and into the Bonnet Plume area.

Exploration Target – Olympic Dam type Cu-Au-Co mineralization.

History And Previous Work – Previous work in the target area has been conducted by the writer, who accomplished a limited amount of recce type work during the 2002 field season (YMIP, 2002, WBP phase #2). Other workers, mainly Newmont Mines, have been active doing property scale work restricted to the Jazz property located in the SE corner of the target area.

Work at the Jazz has encountered hematite and chalcopyrite mineralized breccia material grading up to 4% Cu and 3.5 g/t Au. Siderite veining within diorite has returned several +5% copper values (+1 g/t Au) from one metre chip samples of this type of material. Some of the best gold values from the entire 1993-1998 Newmont program were returned from the Jazz property.

Previous work by the writer was concentrated in two drainage basins. Mineralization was encountered in both basins and consisted of breccia material, siderite veining and mineralized diorite. This mineralization is very similar in nature to that which is reported at Jazz.

Work Program – Work concentrated on 4 sub-targets within the main target area. It consisted of prospecting along with rock and silt sampling.

Target #1 – Four RGS silt samples within, or emanating from, this area contain values of 80 to 116 ppm Cu. These values are from wide valleys, and although likely subject to significant "dilution" are only slightly less than the silt value immediately downstream from the Jazz Property (140 ppm Cu). Mineralized float grading up to 2777 ppm Cu was found in the SE corner of Target #1 during the 2002 field program.

Work during the 2004 season encountered no Olympic Dam type mineralization, alteration or brecciation. Sporadic qtz-siderite veining with rare chalcopyrite was found cutting shale and occasional diorite dykes in all drainage basins, but nowhere were sufficient amounts found to constitute a viable exploration target. This type of mineralization can locally achieve high-grades, albeit over narrow widths, and is considered to be at least a partial cause of the silt anomalies. That being said, the highly anomalous values returned from 2004 silt samples (195-241 ppm Cu) suggests additional, more significant, mineralization remains to be located.

Target #2 – RGS silt values of up to 157 ppm Cu have been returned from the main drainage in this target area. This value is slightly higher that that which is found immediately downstream from the Jazz (140 ppm Cu) property. Chalcopyrite veined mineralized diorite float material grading just over 1% copper was found within this drainage basin. Further work is necessary to evaluate the main drainage and the drainage immediately to the west.

Work at this site encountered a large area of qtz-siderite veining and alteration associated with a diorite body and adjacent fine clastic sediments. Chalcopyrite mineralization is often found where alteration and veining are most abundant. Areas of more abundant mineralization may locally exceed 0.5% copper over narrow widths (+/- 1.0m). Although no obvious economic target was encountered, further work is necessary to evaluate the qtz-siderite alteration zone, and to assess how it fits together with the weakly mineralized magnetite-hematite breccia material encountered (2002) as large angular float blocks approximately 1000m further downstream.

Target #3 – Four RGS silt samples between 86 and 96 ppm copper were returned from this somewhat wide and drift filled valley (as compared to Jazz Creek). It is felt that these sites are significant and worth follow up work.

No breccia or significant alteration was encountered. Rare qtz-siderite-chalcopyrite veins were noted (one right at BKBRSL-5) and are likely the cause of the moderate (maximum value 144 ppm) copper silt geochem anomalies encountered.

Target #4 – One RGS silt sample with an anomalous value of 86 ppm copper was returned from a somewhat wide drift filled valley (as compared to Jazz Creek). The amount of basin upstream of the sample site is 16.0 km^2, the amount of basin upstream of the anomalous Jazz Creek sample site (140 ppm Cu) is about 5.0 km^2; this size difference represents potential for a significant amount of dilution within the larger drainage basin.

No breccia or significant alteration was encountered. Rare qtz-siderite veins were noted during prospecting, and are likely the cause of the previously reported RGS copper silt geochem anomaly.

Conclusions and Recommendations – Geology and mineralization encountered at Target #2 is consistent with that which would be expected in an Olympic Dam type setting. Further work is necessary to fully evaluate this area, and should consist of prospecting of ridges to the south and east of mineralization encountered. This work is of low priority and can be accomplished on a "when in the area" basis. At Target #1 silt sample values at sites BKBRSL-11 to 13 are high enough to warrant follow-up prospecting. Although no Olympic Dam type brecciation, alteration or mineralization was located in outcrop or float within the target area, the potential for small or poorly exposed zones of Olympic Dam type mineralization should not be over-looked. More prospecting is required for the ridge between silt samples BKBRSL-11 and 12/13 as well as at the headwaters of the stream that returned a silt value of 108 ppm copper during 2002 fieldwork.

No further work is recommended for Targets #3 or #4.

Budget

Fireweed Helicopters (3.5 hours)	=	$4,048.72
Wages B. Kreft fieldwork (2 days)	=	$750.00
Report Preparation	=	$750.00
Assays (14 silt, 2 rock)	=	$504.55
Food and Camp Supplies (2 man-days)	=	$70.00
Truck Costs (375 km x 0.48/km)	=	$180.00
TOTAL	=	$6,303.27

Sample Descriptions

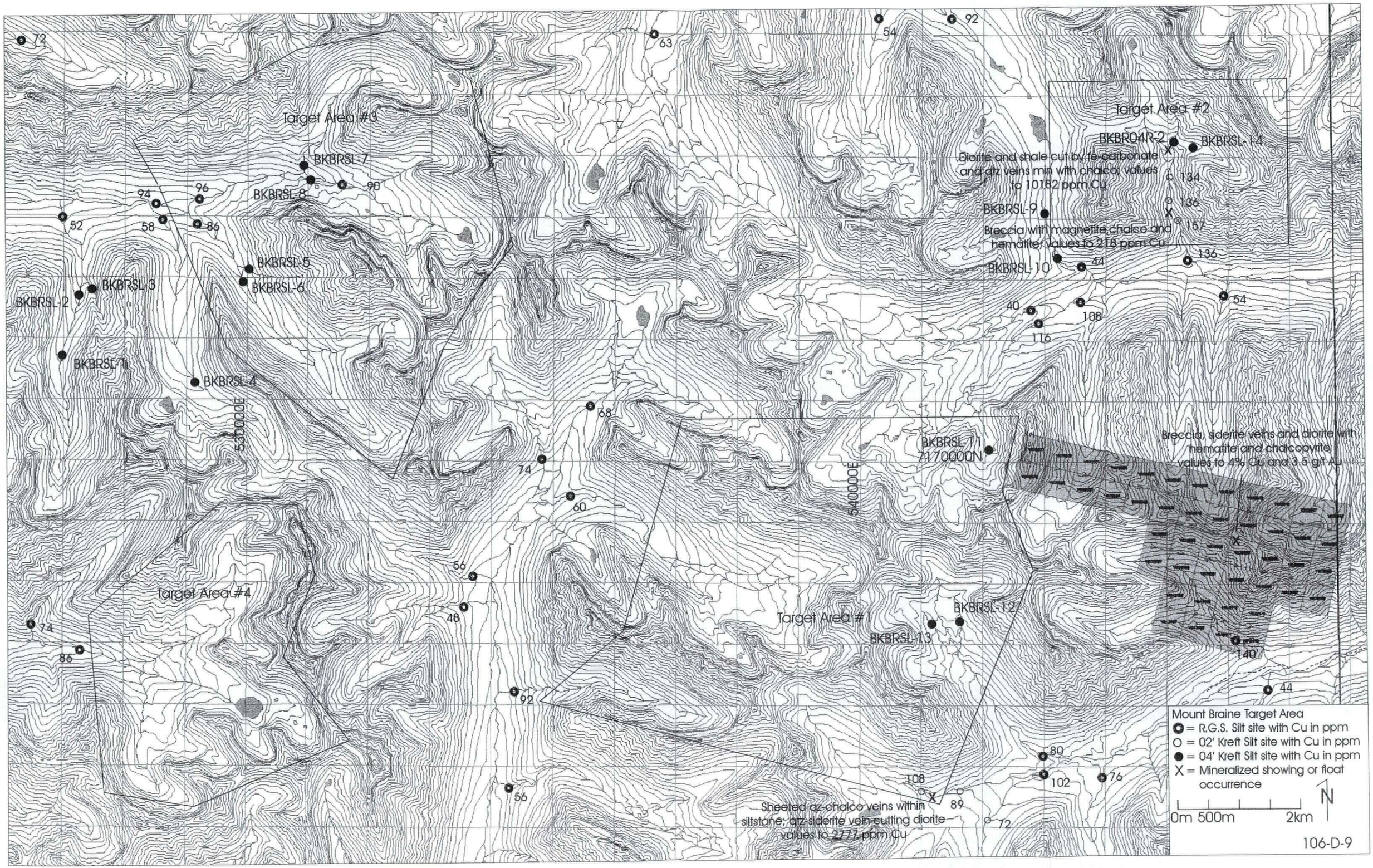
BKBRSL-1 to 14	Silt samples
BKBR04R-1	Weakly carbonate altered diorite cut by narrow qtz-cpy veins
BKBR04R-2	As above

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHON
To Kreft, Bernie
Acme file # A404592 Received: AUG 16 2004 * 19 samples in this disk file.
Analysis: GROUP 1DX - 0.50 GM
AU** GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY FA/ICP.

ELEMENT	Cu	Ag	Ni	Co	Fe	As	U	Th	La	Au**
SAMPLES	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb
SI	0.2	<.1	0.1	<.1	0	<.5	<.1	<.1	<1	2
BKAR04R-1	33	<.1	7.4	13.4	3	4.8	1.4	6.9	20	10
BKAR04R-2	730.3	<.1	53.7	111	5.6	9.4	3	2.7	26	2
BKAR04R-3	1638.4	0.1	2	5.2	1.8	2.4	6.5	21.3	7	4
BKAR04R-4	2892.8	0.1	8.4	60	3.8	15.1	9.3	10.3	9	17
BKAR04R-5	3224.4	0.2	3.1	33.7	4.2	9.3	19.4	8.8	3	252
BKAR04R-6	>10000	10.8	715	436	35	56.7	0.5	0.2	<1	3323
BKAR04R-7	6432.1	0.5	59.2	8.4	2.5	0.5	1	10.5	3	60
BKAR04R-8	1471.6	0.1	33.3	9.5	2.8	3.1	1.9	19.3	17	30
BKAR04R-9	>10000	14.2	83.4	628	21	111	7.9	4.6	2	81
BKBR04R-1	4812.1	0.9	58.8	27.2	8.9	8	0.5	1.2	6	9
BKBR04R-2	2555	0.8	30.5	13.9	5.4	3.6	0.2	0.4	2	4
BKBZ04R-1	184.1	0.1	10.9	17.4	4.3	49	1.1	10.8	5	4
BKBZ04R-2	356.9	0.3	44.8	48.5	33	47.5	4.8	2	11	12
BKBZ04R-3	117.2	0.1	26.4	34.3	17	20.5	1.8	6.7	16	19
RE BKBZ04R-3	117.2	0.1	27.2	35	18	21	1.9	6.7	16	20
BKBZ04R-4	169.2	0.1	20.3	30.2	19	18.6	42.7	7.4	23	5
BKBZ04R-5	765.6	0.2	35	27.3	22	17	0.3	3.7	5	20
BKBZ04R-6	575.4	0.7	61.1	82.1	37	143	106	1	6	33
STANDARD DS	147.9	0.3	24.9	11.6	2.9	18.5	6.3	2.4	12	495

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHON
To Kreft, Bernie
Acme file # A404593 Page 1 Received: AUG 16 2004 * 44 samples in this disk file.
Analysis: GROUP 1DX - 15.0 GM

ELEMENT	Cu	Co	Fe	As	U	Au	Th	La	Sample	Total	SILT FROM
SAMPLES	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	gm	kg	AREA
G-1	4.4	5	1.98	1.3	2	0.5	4.3	7	15	-	
BKAA04SL-1	60.5	23	3.85	14.2	2.2	1.9	5.8	21	15	1.53	AA
BKAA04SL-2	86.3	22.2	4.16	14.6	3.9	5.7	6.9	19	15	1.28	AA
BKAR04SL-1	113.8	45.2	4.26	83.4	3.8	9.2	8.1	33	15	1.76	Arctos S
BKAR04SL-2	119	43.8	4.24	83.7	3.7	8	8.4	35	15	1.1	Arctos S
BKAR04SL-3	88.8	29.8	3.27	19	3.1	6.6	8.9	33	15	2.1	Arctos S
BKAR04SL-4	163.7	52	4.79	53.9	3.3	9.3	6.7	29	15	0.78	Arctos S
BKAR04SL-5	2269.8	303.5	5.59	160.8	121.4	139.6	9.2	22	1	0.68	Arctos S
BKAR04SL-6	299.4	38.9	4.15	55	5.4	39.2	6.4	27	7.5	1.75	Arctos S
BKAR04SL-7	427.9	110.2	4.52	179.5	3.9	8.8	8	22	15	1.86	Arctos N
BKAR04SL-8	247.8	65.6	4.92	111	5.2	12.3	10.8	31	15	1.32	Arctos N
BKAR04SL-9	269.9	57.7	4.7	133.1	3.5	5.9	8.3	24	15	2.1	Arctos N
BKAR04SL-10	127.5	28.4	4.13	39	3.2	3.8	7.6	15	15	2.05	Vulture
BKAR04SL-11 N.S	-	-	-	-	-	-	-	-	-	1.5	Vulture
BKAR04SL-12	177.2	58.5	5.1	33.9	16.5	12.6	21.1	51	1	1.73	Vulture
BKAR04SL-13	663.8	109.6	8.71	412.1	8.5	11.3	19	33	15	1.28	Vulture
BKAR04SL-14	90.8	18.8	3.78	26.2	1.6	1.3	4.9	10	15	1.26	Vulture
BKAR04SL-15	26.9	14.1	2.21	10	1.3	1.4	4.6	11	15	1.72	Vulture
BKAR04SL-16	393.3	77.2	6.23	62.8	5.7	9.5	13.3	23	15	1.62	Vulture
BKAR04SL-17	280.4	61	5.86	55.8	3.5	5.4	8.5	13	15	2.3	Vulture
BKAR04SL-18	629.1	80.8	8.09	82.8	9.2	9.6	15.8	22	15	1.76	Vulture
RE BKAR04SL-18	631.8	80.1	8.11	81	9	7.4	15.1	23	15	-	Vulture
BKAR04SL-19	70.7	40.9	11	47.6	2	6.7	2.7	7	15	1.33	Vulture
BKAR04SL-20	177.2	38.8	6.36	30.2	3.3	8.6	5.4	20	15	1.95	Vulture
BKAR04SL-21	41.7	44.2	12.1	54	1.8	8.5	1.3	4	15	2.05	Vulture
BKAR04SL-22	73.6	17.3	3.81	34.6	0.7	<.5	1.9	9	15	2.68	Vulture
BKAR04SL-23	73.1	19.1	3.99	25.8	0.9	0.6	1.8	8	15	1.76	Vulture
BKAR04SL-24	193	40.3	5.11	39.5	8.8	9.6	9.4	19	15	0.7	Vulture
BKBRSL-1	57.8	24.2	2.56	18.2	6.5	<.5	15.9	36	15	0.85	Braine
BKBRSL-2	58.2	23.3	2.78	20.7	7.5	<.5	22.2	32	15	1.45	Braine
BKBRSL-3	87.5	27	3.22	22.9	4.5	0.7	18.1	22	15	1.95	Braine
BKBRSL-4	110.2	43.5	3.66	27.8	7.2	<.5	19.7	24	15	1.73	Braine
BKBRSL-5	144.5	34.6	4.56	53.1	4.2	2	13.6	25	7.5	1.61	Braine
BKBRSL-6	97.2	25	3.96	25.1	4.4	1	14.2	26	15	2.31	Braine
BKBRSL-7	125.4	27.7	2.93	29	3.9	0.6	14.1	25	15	2.01	Braine
STANDARD DS5	144	12.1	3.02	18.2	6.6	42.9	2.9	13	15	-	
G-1	3	4.1	1.88	1	1.8	1	4.2	7	15	-	
BKBRSL-8	82.1	19.9	2.89	15.5	4.3	1.3	15.4	22	15	1.8	Braine
BKBRSL-9	45	16.4	3.15	13.3	3.9	1	10.4	21	15	2.1	Braine
BKBRSL-10	45.3	16.6	3.37	14	3.3	1.1	12	18	7.5	0.98	Braine
BKBRSL-11	241.3	54.3	6.3	55.4	3.3	4.2	12.4	20	15	1.2	Braine
BKBRSL-12	229.1	54.7	7.35	49.2	3.9	3.1	12.4	18	15	1.1	Braine
BKBRSL-13	195.3	64.2	4.96	28.7	2.7	2.7	11.2	14	15	1.98	Braine
BKBRSL-14	136	31.6	4.66	26.1	2	1.7	9.5	19	15	1.53	Braine
STANDARD DS5	136.9	11.5	2.86	17.3	5.8	41.4	2.7	11	15	-	


Target Area #3
Target Area #2
Target Area #4
Target Area #1
BKBRSL-1
BKBRSL-2
BKBRSL-3
BKBRSL-4
BKBRSL-5
BKBRSL-6
BKBRSL-7
BKBRSL-8
BKBRSL-9
BKBRSL-10
BKBRSL-11
BKBRSL-12
BKBRSL-13
BKBRSL-14
BKBR04R-2
Diorite and shale cut by fe-carbonate and qtz veins min with chalco; values to 10182 ppm Cu
Breccia with magnetite,chalco and hematite; values to 218 ppm Cu
Breccia, siderite veins and diorite with hematite and chalcopyrite values to 4% Cu and 3.5 g/t Au
Sheeted qz-chalco veins within siltstone; qtz-siderite vein cutting diorite values to 2777 ppm Cu
530000E
540000E
7170000N
72
63
54
92
94
96
58
86
90
52
68
74
60
56
48
74
86
92
56
134
136
157
136
44
54
40
108
176
80
102
76
108
89
72
140
44
Mount Braine Target Area
= R.G.S. Silt site with Cu in ppm
= 02' Kreft Silt site with Cu in ppm
= 04' Kreft Silt site with Cu in ppm
X = Mineralized showing or float occurrence
0m 500m 2km
N
106-D-9