

ASX RELEASE

16 January 2008

Peak Resources Limited

Level 1
61 Kishorn Road
Mount Pleasant
Western Australia 6153

PO Box 1271
Canning Bridge
Western Australia 6153

Stock Exchange
Australian Stock Exchange
Symbol: **PEK**

Issued Capital
43.9m Shares
24.9m Sept '09 options

www.peakresources.com.au

Contact:

Mark Maine
Managing Director
Mob 0416107244

Kell Nielsen
Technical Director
Mob 0417914328
Tel: +61 8 9316 9599
Fax: +61 8 9316 9588

Email:

info@peakresources.com.au

John Williams
Professional Public Relations
(08) 9388 0944

Base Metal Project:

Ashburton

Gold Projects:

Peak Hill West
Peak Hill East
Doolgunna (Peak Hill)
Menzies

Nickel Projects:

Yellowdine
Lake Ballard

Uranium Projects:

Cosmo
Lake Darlot
Cogla Downs
Gabyon

POSITIVE EXPLORATION RESULTS ELEVATE ASHBURTON PROJECT STATUS

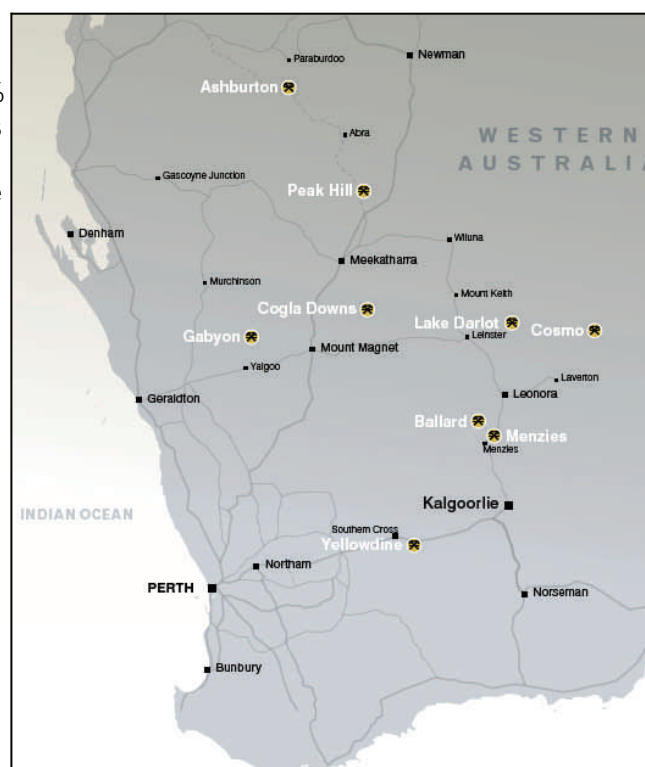
- ◆ *Rock chip sampling has highlighted the polymetallic nature of mineralisation within the Ashburton Project. Assay results include:*
 - * **Iron greater than 50% Fe;**
 - * **Silver of up to 46.5 ppm;**
 - * **Cobalt of up to 1.9% with 0.28% Ni;**
 - * **Elevated Manganese (greater than 10% detection limit); and**
 - * **Elevated lead (over 1%).**
 - * *XRF assays pending on high Fe and Mn results.*
- ◆ *Geochem programme undertaken in conjunction with the Gravity Survey at Mt Vernon that identified a large structural embayment associated with a lithological contact.*
- ◆ *Gravity anomaly co-incident with EM anomaly and anomalous Pb, Zn, and Ag rock chips.*
- ◆ *IP survey to be undertaken as precursor to RC drilling programme to better define drill targets within > 5km long "structural trap" that has a coincidental geophysical and geochemical anomaly.*
- ◆ *The Ashburton Project is rated as an exploration priority by Peak Resources.*

Ashburton Base Metal Project

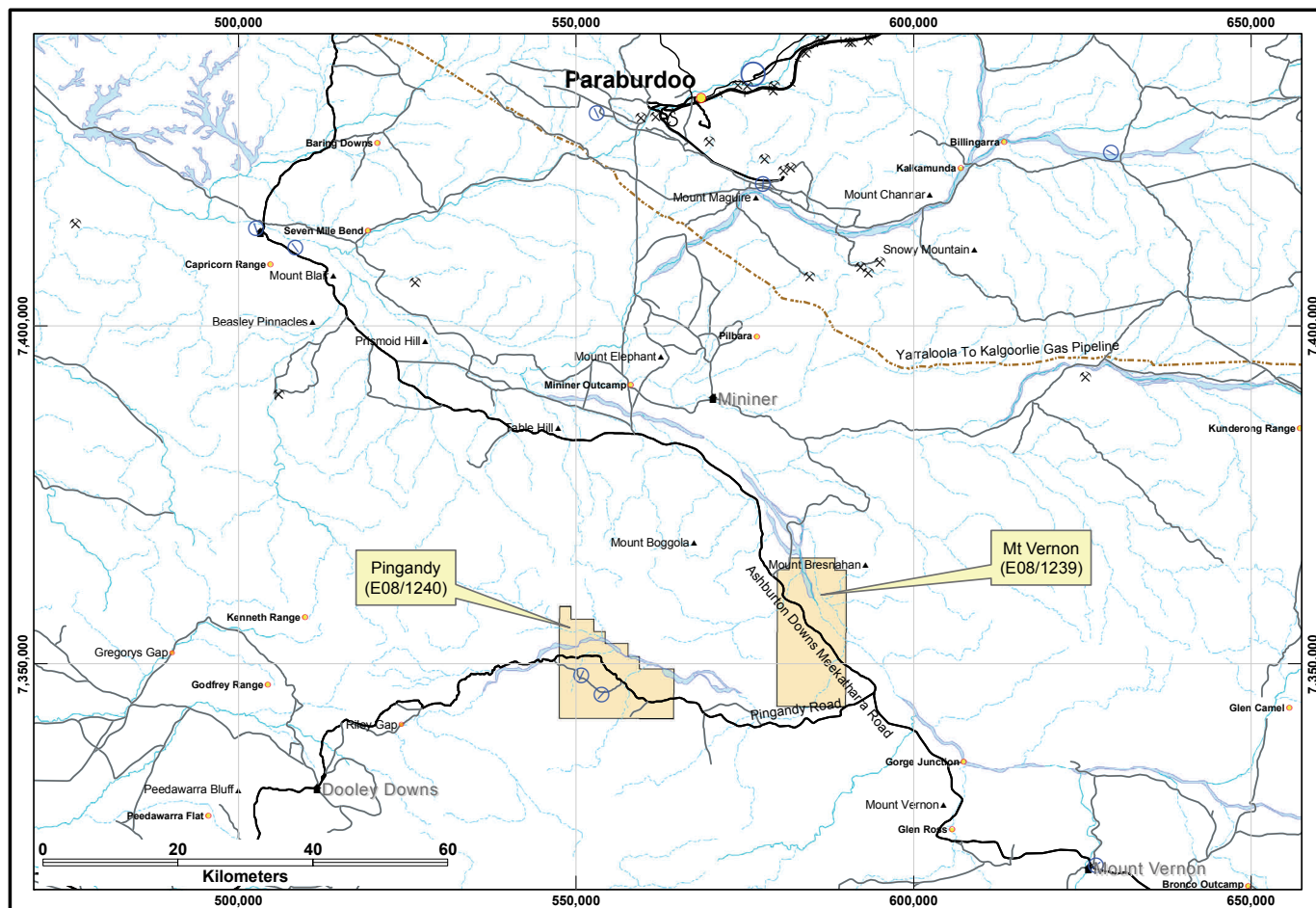
Peak Resources Limited (ASX:PEK—"Peak") advise that recent exploration at it's 100% owned Ashburton Base Metals Project has provided further encouragement increasing the prospectivity of the Project to host large tonnage metalliferous deposits.

The Ashburton Project is located 70 km south of the township of Paraburdoo and 300km NNW of Meekatharra, WA. The Project consists of two granted Exploration Licences E08/1239 (Mt Vernon) & E08/1240 (Pingandy) covering a total combined area of 412km².

PEAK RESOURCES PROJECT LOCATIONS



ASHBURTON PROJECT LOCATION MAP



In a release to ASX in late November 2007 Peak advised that it had recently completed a 1,400 station gravity survey at its Mt Vernon Prospect (E08/1239). The survey was completed in conjunction with surface geochemical sampling, geological mapping and rock chip sampling at both the Mt Vernon and Pingandy Prospects.

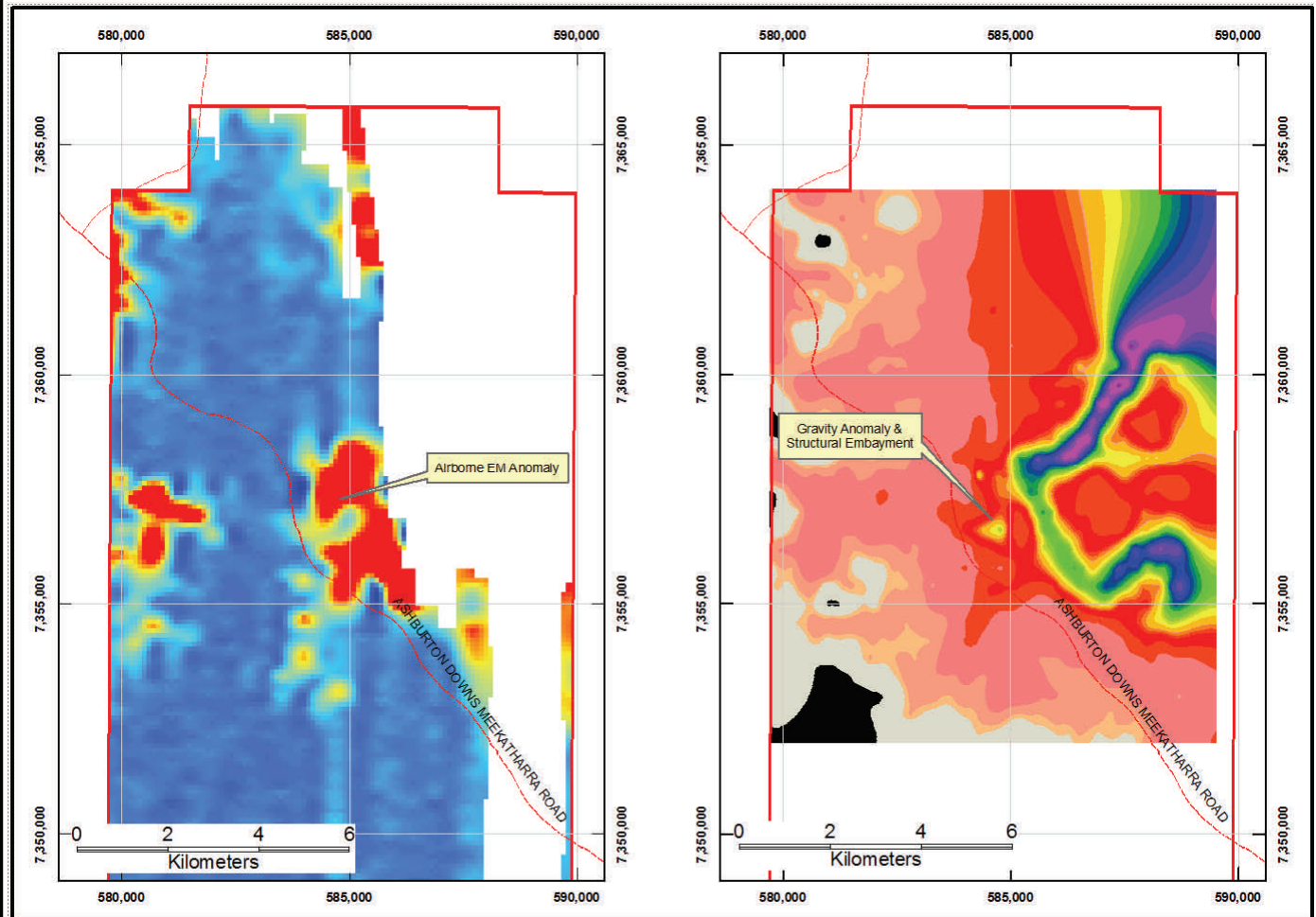
Rock Chip Programme Results

Recent rock chip sampling at Mt Vernon has confirmed earlier anomalous Pb results with the addition of highly anomalous silver, up to **46.5 ppm Ag**, being returned in recent sampling, together with anomalous Manganese (Mn), Iron (Fe) & Cobalt (Co).

The programme completed in November was the first regional sampling programme undertaken by Peak on the project areas. Earlier sampling at Mt Vernon was conducted in an area that is largely devoid of vegetation and is in excess of 5km long x 1.5 km wide. Peak believed that this vegetation phenomena was attributable to elevated arsenic levels associated with the Pb & Zn mineralisation, where sampling has returned up to 8.5% arsenic in the same Pb & Zn anomalous rock chip samples.

The recent programme undertaken by Peak included broad spaced soil and stream sediment sampling, geological mapping & rock chip sampling over both Pingandy and Mt Vernon tenement areas. Whilst the surface soil and stream sediment samples are pending, rock chip sampling carried out in conjunction with the geological mapping has returned numerous **highly anomalous assay results including: Iron (+50% Fe), Lead (+1% Pb), Silver (46.5 ppm Ag), Manganese (+10% Mn)** as well as elevated barium, zinc and cobalt. Samples that have reported higher than the labs detection methods for Fe & Mn have been resubmitted for Iron Ore style XRF analysis, these results are pending at the time of this release. A complete list of samples & analytical results returned to date for Mt Vernon are appended.

MT VERNON—GRAVITY & EM ANOMALIES



From the sampling, mapping and gravity programmes, Peak has interpreted mineralisation to be associated with a gravity anomaly that indicates the existence of a large structural trap (or embayment) in close proximity to an unconformable lithological contact.

In addition to the Gravity Survey, Peak has acquired an Airborne Electromagnetic Survey (EM) data over the Mt Vernon Prospect area. A preliminary review indicates that an EM anomaly exists coincident with the gravity anomaly outlining the structural trap. The EM and gravity anomaly is also coincidental with anomalous Pb, Zn & Ag rock chip samples collected from outcropping gossans that have returned peak assays of 6.5% Pb, 46.5 ppm Ag and 0.24% Zn.

No rock chip samples were collected over the main part of the EM anomaly due to alluvial cover.

The area is also traversed by a strong northeast trending lineament that is a similar structure to the regional Tangadee Lineament which is located proximal to the Abra base metals resource located 120km to the Southeast (Inferred resource of 50.3 million tonnes at 4% Pb, & 10 g/t Ag and 9.8 million tonnes at 0.6% Cu and 0.5 g/t Au).

Given the size and extent of the gravity & EM anomalies as well as the surface exposure of mineralisation, Peak feels that this has provided the Project with significant advancements and supports Peak's belief that the project has significant potential to host large tonnage base metal deposits.

The Company has appointed Southern Geoscience Consultants to assist in the reinterpretation of the gravity survey and EM survey data which have been submitted for reprocessing with results expected shortly.

A Induced Polarisation (IP) electrical geophysical survey is planned over the area to better define drill targets within an area that is in excess of 5km of strike length and over 1.5km in width.

Summary

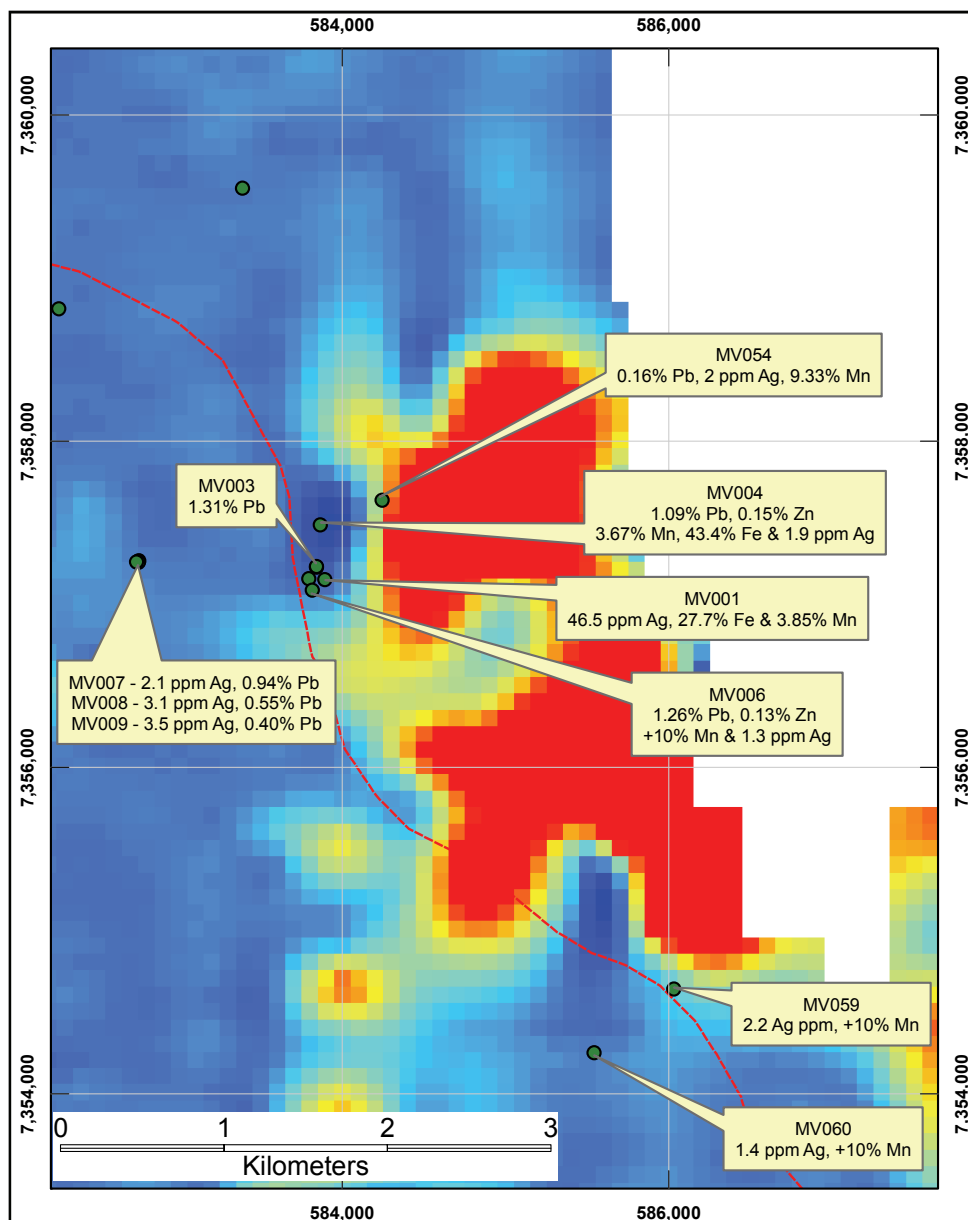
The recent exploration results combined with ideal lithologies, structural controls and the Project's tectonic location has significantly increased the prospectivity of the Project to host large tonnage base metal deposits. Thus the cumulative effect of the exploration findings has been to elevate the Ashburton Project to priority status. Peak is planning to conduct a ground IP survey on the Project area prior to drilling. Pre planning for this programme is underway.

As noted, the IP survey work will assist in the targeting of the initial RC drilling programme within the 5km by 1.5km strike length at Mt Vernon.

The Company anticipates undertaking drilling on the project towards the end of the June quarter following programme approvals.

In addition, assay results from XRF analysis, soil geochem results, petrology and Southern Geoscience reports are awaited.

EM ANOMALY & RECENT ROCK CHIP SAMPLE LOCATIONS



The information in this report is based on information compiled by Mr. Kell Nielsen, a Member of the Australian Institute of Mining and Metallurgy. Mr. Nielsen is a full-time employee of Peak Resources Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Nielsen consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

MT VERNON ROCK CHIP SAMPLE LOCATIONS & ASSAYS

Sample ID	East	North	Ag	As	Ba	Co	Cr	Cu	Fe	Mg	Mn	Ni	Pb	Zn
			ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
MV001	583895	7357152	46.5	471	540	582	49	502	27.7	0.83	3.85	0.01	0.27	0.11
MV002	583843	7357228	-0.5	210	230	248	27	188	5.5	0.62	1.52	0.01	0.75	0.03
MV003	583844	7357233	-0.5	197	120	175	21	187	7.4	1.73	1.57	0.01	1.31	0.05
MV004	583867	7357488	1.9	4040	490	853	11	2640	43.4	0.19	3.67	0.02	1.09	0.15
MV005	583796	7357156	0.9	643	80	36	33	156	43.7	0.09	0.08	0.01	0.06	0.10
MV006	583817	7357088	1.3	198	2930	874	40	237	10.0	0.19	>10	0.01	1.26	0.13
MV007	582755	7357267	2.1	723	3380	1710	19	767	19.6	0.13	7.04	0.02	0.94	0.08
MV008	582753	7357259	3.1	542	4440	1330	21	740	17.2	0.80	6.79	0.05	0.55	0.08
MV009	582741	7357261	3.5	134	970	237	23	329	36.9	0.12	3.89	0.01	0.40	0.16
MV010	589531	7345824	-0.5	6	380	25	8	32	0.5	9.94	0.30	0.00	0.02	0.02
MV011	589353	7346191	-0.5	10	80	19	139	14	1.3	0.94	0.11	0.00	0.01	0.00
MV012	588834	7345965	-0.5	-5	40	2	5	6	0.5	5.79	0.04	0.00	0.00	0.00
MV013	580590	7348923	-0.5	5	470	15	67	27	3.5	0.66	0.07	0.00	0.01	0.02
MV014	581681	7348451	-0.5	-5	310	18	72	42	3.8	1.38	0.09	0.00	0.00	0.01
MV015	585890	7351652	-0.5	139	200	57	32	192	44.4	0.12	0.11	0.02	0.00	0.08
MV016	585890	7351652	3.1	88	170	41	33	113	41.1	0.06	0.05	0.02	0.00	0.08
MV017	584811	7351499	-0.5	5	540	25	88	33	5.3	0.80	0.12	0.00	0.00	0.01
MV018	583884	7351383	-0.5	-5	420	26	77	18	9.2	1.11	0.29	0.01	0.00	0.02
MV019	583326	7350649	0.5	87	230	50	51	54	31.2	0.21	0.11	0.01	0.01	0.08
MV020	582976	7350507	0.8	2290	2010	1280	51	185	10.9	0.15	7.48	0.05	0.04	0.17
MV021	582761	7350290	0.8	2300	1990	1290	51	186	10.7	0.14	7.39	0.05	0.04	0.17
MV022	587611	7349174	0.5	166	70	174	32	188	6.3	1.62	1.72	0.01	1.15	0.05
MV023	589726	7349197	4.4	66	2090	1010	2	1200	9.0	0.15	>10	0.03	0.01	0.09
MV024	584646	7351411	3.1	33	920	1075	1	243	3.1	0.08	>10	0.06	0.00	0.18
MV025	584646	7351411	-0.5	-5	480	19	87	17	4.9	0.78	0.12	0.00	0.01	0.01
MV026	584790	7346680	-0.5	126	490	2170	60	468	5.8	0.48	3.21	0.03	0.72	0.07
MV027	582265	7358813	-0.5	525	90	63	2	47	34.2	3.69	0.70	0.01	0.01	0.01
MV028	582815	7347004	-0.5	24	830	77	4	38	1.5	6.99	1.00	0.00	0.01	0.10
MV029	584797	7346678	-0.5	45	350	20	99	53	4.7	0.87	0.05	0.00	0.03	0.02
MV030	583890	7351390	-0.5	-5	390	23	70	60	5.9	1.10	0.16	0.00	0.00	0.01
MV031	580734	7351674	-0.5	14	500	19	85	46	1.5	0.48	0.07	0.00	0.00	0.01
MV032	581726	7356264	2.6	49	7840	2910	9	1530	6.2	0.18	>10	0.06	0.01	0.14

Sample ID	East	North	Ag	As	Ba	Co	Cr	Cu	Fe	Mg	Mn	Ni	Pb	Zn
			ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
MV033	580242	7360614	-0.5	5	230	37	38	44	2.7	7.51	0.34	0.00	0.00	0.03
MV034	580242	7360614	-0.5	56	520	271	22	300	32.5	0.10	4.88	0.03	0.00	0.08
MV035	583422	7360481	-0.5	6	110	80	49	314	11.2	3.48	0.35	0.01	0.00	0.04
MV036	589784	7357006	-0.5	117	400	110	21	188	39.3	0.20	1.74	0.02	0.00	0.11
MV037	580354	7346959	-0.5	1250	90	25	4	69	>50	0.16	0.06	0.01	0.04	0.01
MV038	580425	7346934	-0.5	152	90	13	10	20	11.3	4.19	0.04	0.00	0.01	0.01
MV039	580529	7346903	-0.5	14	30	6	4	8	9.3	6.96	0.11	0.00	0.00	0.00
MV040	583507	7343934	-0.5	931	80	22	4	50	45.5	1.75	0.03	0.01	0.01	0.01
MV041	585635	7344987	1.4	13	70	47	11	7	>50	0.14	0.07	0.04	0.00	0.02
MV042	582177	7344217	0.6	101	100	3	11	14	3.1	0.12	0.02	0.00	0.00	0.00
MV043	581307	7346201	-0.5	642	80	41	6	44	29.2	1.73	0.10	0.01	0.03	0.16
MV044	582772	7343869	-0.5	5	250	15	17	4	4.0	9.08	0.09	0.00	0.00	0.00
MV045	589875	7356093	-0.5	8	2570	1825	32	350	4.4	0.10	6.72	0.05	0.00	0.08
MV046	589653	7356772	1.1	159	2220	561	17	214	36.5	0.08	6.15	0.01	0.01	0.10
MV047	589653	7356772	0.9	9	1140	980	-1	189	1.9	0.07	>10	0.01	0.00	0.04
MV048	585746	7360482	1.3	14	2730	2060	60	1830	7.8	1.80	>10	0.15	0.00	0.16
MV049	585451	7361209	-0.5	27	1030	64	58	75	7.5	0.89	1.06	0.00	0.00	0.01
MV050	580564	7360222	1.6	-5	2010	731	42	374	3.9	0.28	6.11	0.04	0.01	0.02
MV051	582690	7364722	-0.5	-5	190	16	31	23	2.4	8.09	0.06	0.00	0.00	0.01
MV052	581792	7361291	-0.5	225	120	21	14	56	4.7	0.05	0.11	0.00	0.00	0.01
MV053	583390	7359551	-0.5	8	40	40	39	41	9.0	2.56	0.14	0.00	0.00	0.01
MV054	584247	7357639	2.0	811	3280	1210	17	434	12.9	0.30	9.33	0.03	0.16	0.08
MV055	580292	7354083	1.5	5200	1030	5	191	53	21.1	0.59	0.02	0.00	0.25	0.01
MV056	581196	7358817	0.6	125	530	130	23	140	34.1	0.08	3.01	0.02	0.00	0.07
MV057	589012	7352976	3.2	36	280	131	10	352	23.5	0.08	4.16	0.01	0.00	0.08
MV058	588523	7353114	-0.5	7	50	66	27	11	13.4	2.47	0.15	0.01	0.00	0.03
MV059	586034	7354642	2.2	53	1930	660	11	629	16.3	0.11	>10	0.02	0.00	0.06
MV060	585546	7354251	1.4	95	2430	1110	16	290	24.0	0.12	>10	0.01	0.00	0.06
MV061	583561	7353750	-0.5	32	60	-1	394	4	30.3	0.06	0.02	0.00	0.00	0.00
MV062	580109	7359523	0.5	24	4030	1760	33	927	6.3	0.35	7.29	0.02	0.00	0.04
MV063	585096	7348337	0.9	29	840	564	75	251	5.8	1.01	5.19	0.06	0.02	0.06
MV064	580586	7348837	1.6	57	>10000	18950	25	545	9.3	0.34	>10	0.28	0.02	0.35

Notes on Table:

All Co-ordinates are reported in MGA94 Zone 50

Where Fe is greater than 50% & Mn >10%, the sample have been resubmitted for analysis by XRF