BAUXITE RESOURCES LIMITED

ABN 72 119 699 982

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NEW FELICITAS BAUXITE DEPOSIT REVEALS SIGNIFICANT BAUXITE EXPLORATION RESULTS

Key Points:

- **First assay data from new Felicitas bauxite prospect suggests potential for significant resource.**
- **Consistent bauxite horizon over 2500 Ha in area and from 2m to 16m in thickness.**
- **Thin overburden cover of less than 2m throughout majority of the mineralisation area.**
- **Low reactive silica with favourable available alumina to reactive silica ratios.**
- **Close to existing heavy rail infrastructure in existing quarrying area.**
- **JORC bauxite resource estimate expected in June 2012.**

Bauxite Resources Limited (ASX: BAU) ("BRL" or "the Company") is pleased to provide an update on bauxite resource definition activities in its southwest Western Australian tenement area.

An exploration drilling campaign was completed on private farmland north of Wundowie, Western Australia, late in 2011 with the aim of defining additional bauxite resources. This work was carried out on exploration tenements E70/3159, 3900 and 4021 (see Figures 1 & 2) which are within the Bauxite Alumina Joint Venture ("**BAJV"**) with Yankuang Resources Ltd ("**Yankuang**").

Final analytical data for the program was received by BAJV during February 2012 and a preliminary review of the raw data by BRL geologists suggests that the mineralisation may add significantly to current geological resources. A resource estimation study has been commissioned by BAJV personnel to be undertaken by a reputable external consultancy. BAJV expects to provide a JORC resource estimate in June 2012 once geological modelling is completed.

The exploration program comprised **3,406 vertical holes drilled for 22,941.5 metres** across an area of approximately **2500Ha on a nominal 80m x 80m drill pattern**. A preliminary view of the data shows that significant bauxite grades and thicknesses are present over a large area, with approximately 55% of holes containing available alumina grades of greater than or equal to 25% over greater than 2m thickness. The mineralisation starts from within 0.5m of surface and bauxite thicknesses of up to 16m were intersected. (Refer Table 1 for significant intercepts.)

The study area is focused on a small number of large private landholdings which are accessible by road and are less than 5km from existing rail infrastructure. The area is bounded to the west by state forest, to the north and east by existing quarry operations and to the south by farm land.

Preliminary examination of the bomb analyses received to date indicates (for analyses greater than 25% available Al_2O_3):

- Total alumina within bauxite of up to 57%
- Available alumina in the range of 25 - 56.5 % (arithmetic average 35.1 %)
- Available alumina:reactive silica ratios in the range of 2:1 to 319:1 (arithmetic average 12:1)
- Reactive silica ranges from 0.1 – 15.4% (arithmetic average 2.7%)
- Above results from low temperature analyses at 143^{o}C

The mineralised zones are shallow with limited overburden.

The assay results quoted have been achieved without the aid of beneficiation processes aimed at removing contaminants such as clay and quartz through a simple wet-screening process, which would aid in upgrading the available alumina content and reduce the reactive silica content prior to processing. Beneficiation testing of material from the study area is planned to commence once resource analysis is completed.

For further information visit **www.bauxiteresources.com.au** or contact:

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Figure 1: Felicitas Prospect drill holes map.

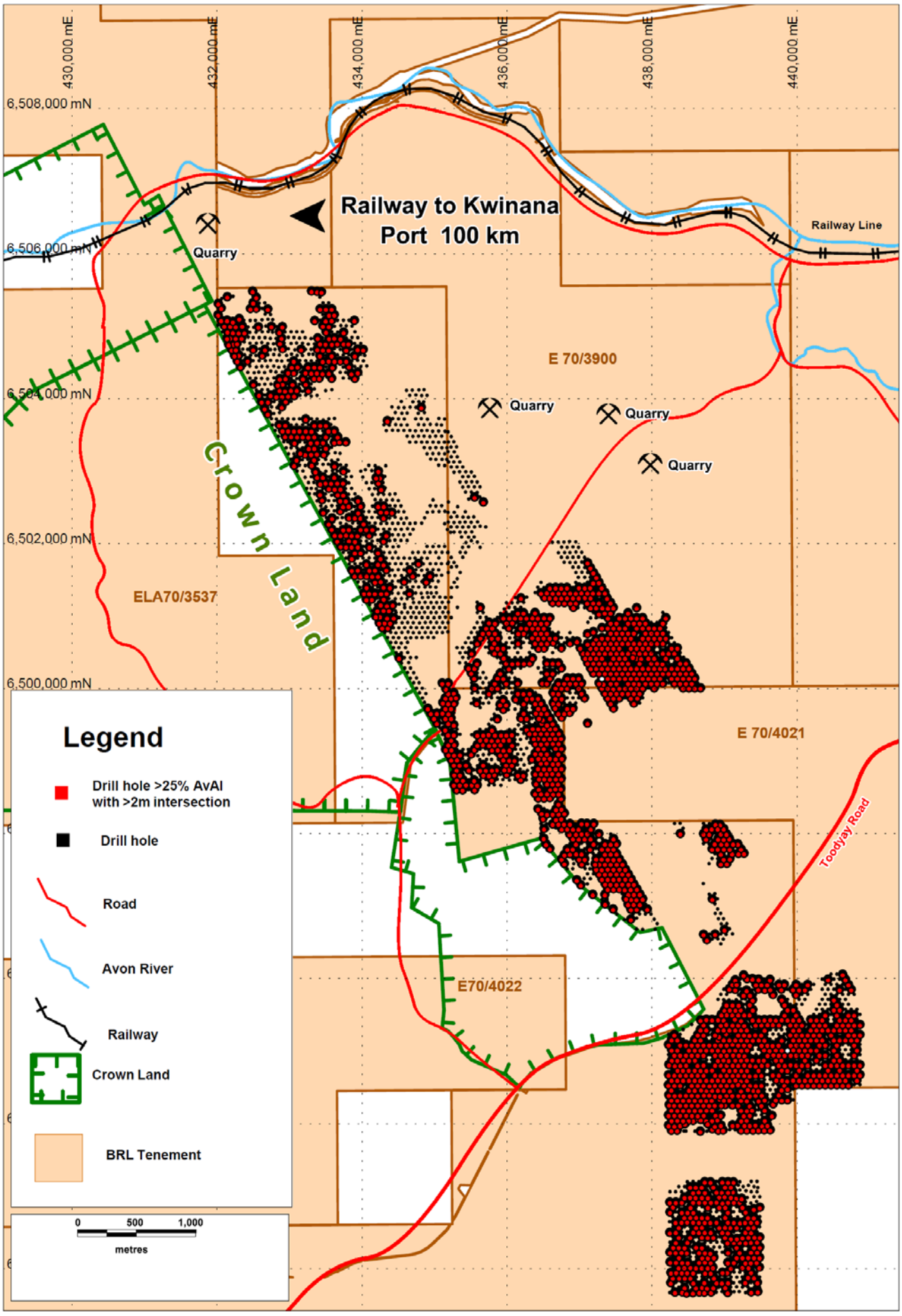

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Figure 2: Bauxite Resources Ltd tenement holdings showing Felicitas Prospect location

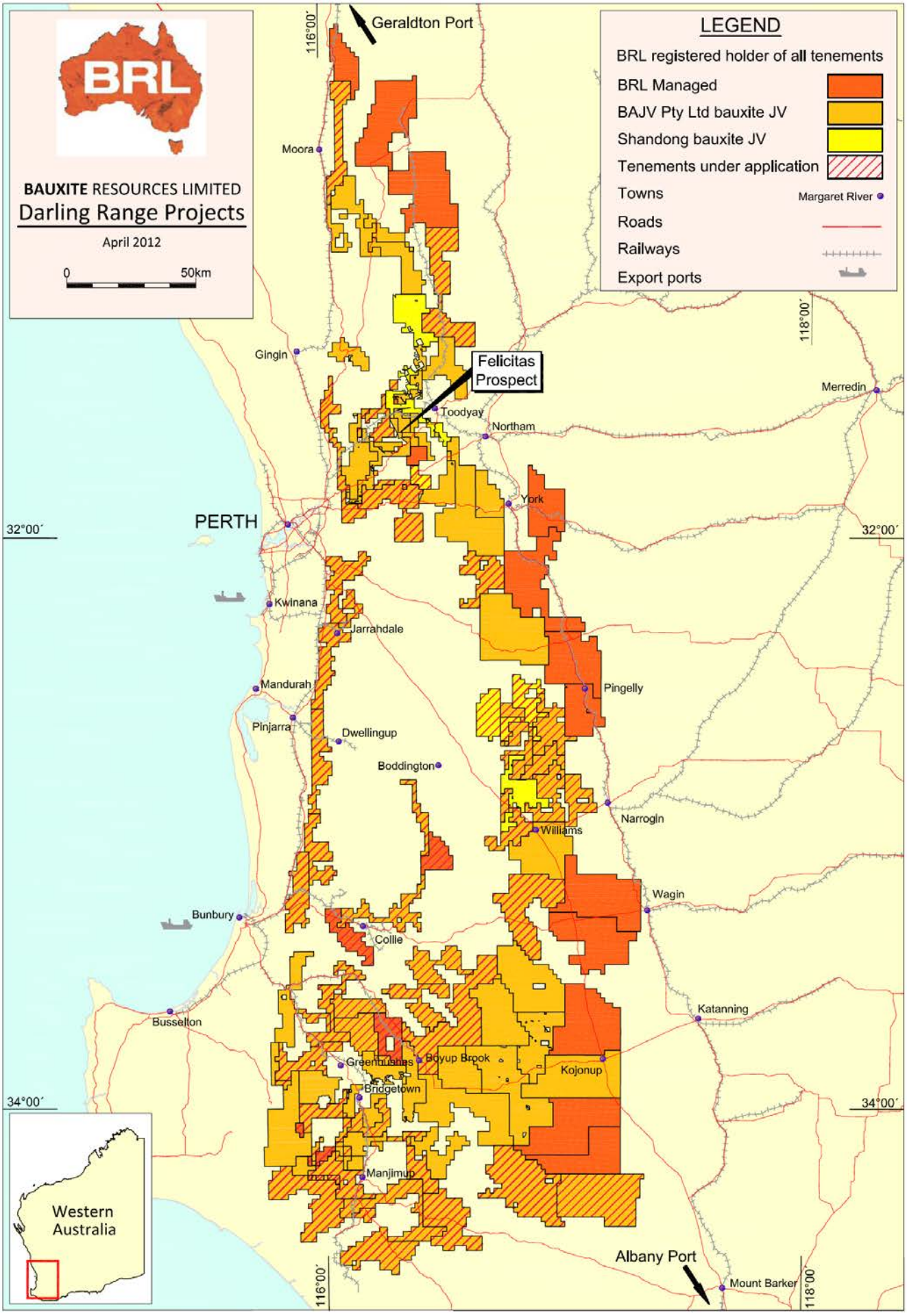

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Table 1: 50 significant intercepts.

Hole ID	GDA East	GDA North	RL	Tenement ID	From (m)	To (m)	Interval Width (m)	Total Al_2O_3 (%)	Available Al_2O_3 (%)	Total SiO_2 (%)	Reactive SiO_2 (%)
GGV0037	438572	6491810	376	E70/3159	2.0	11.5	9.5	35.8	29.3	3.2	1.3
GGV0139	439451	6492233	393	E70/3159	0.5	10.0	9.5	39.4	34.3	4.4	0.5
GGV0171	439448	6492373	398	E70/3159	0.5	9.5	9.0	40.1	34.3	5.1	2.1
GGV0183	439170	6492418	389	E70/3159	0.0	10.0	10.0	41.8	35.1	4.8	1.0
GGV0202	439366	6492504	393	E70/3159	1.0	12.0	11.0	37.4	29.7	5.7	3.4
GGV0341	439009	6493130	300	E70/3159	1.5	12.5	11.0	44.3	36.2	2.9	1.9
KLV0006	435348	6498678	372	E70/3159	1.5	10.5	9.0	36.9	28.6	2.3	0.8
KLV0032	435265	6498952	355	E70/3159	0.5	10.0	9.5	42.1	36.6	2.3	0.6
KLV0039	435231	6499023	352	E70/3159	1.0	11.0	10.0	41.1	35.2	1.8	0.4
PKV1136	435229	6499872	311	E70/3159	0.5	10.0	9.5	42.4	36.9	3.7	2.0
PKV1172	435150	6499731	326	E70/3159	0.0	9.0	9.0	40.5	34.4	4.3	1.8
PKV1729	437429	6497448	342	E70/3159	1.5	11.0	9.5	46.6	32.4	8.4	2.3
PKV2248	439670	6495784	300	E70/3159	0.5	10.0	9.5	43.4	39.9	9.1	0.5
PKV2318	439708	6495434	337	E70/3159	1.0	8.0	7.0	47.6	43.0	4.9	2.4
PKV2347	438990	6495299	300	E70/3159	1.5	12.0	10.5	44.3	36.9	3.3	2.1
PKV2390	438910	6495160	300	E70/3159	0.0	10.5	10.5	41.0	35.3	5.2	1.8
PKV2412	438870	6495091	300	E70/3159	1.0	12.5	11.5	44.1	38.7	3.6	1.3
PKV2413	438950	6495091	300	E70/3159	0.5	11.0	10.5	39.2	31.8	7.0	3.0
PKV2429	438510	6495022	300	E70/3159	0.5	9.5	9.0	42.0	35.9	5.8	2.7
PKV2434	438910	6495022	300	E70/3159	0.5	16.5	16.0	42.0	35.5	6.0	2.7
PKV2468	439829	6494952	348	E70/3159	5.5	14.5	9.0	38.7	33.0	1.5	0.5
PKV2523	438990	6494748	347	E70/3159	2.5	12.5	10.0	40.2	33.8	2.6	1.5
PKV2546	439030	6494677	349	E70/3159	1.0	10.5	9.5	40.4	32.5	4.5	1.1
PKV2589	438950	6494535	348	E70/3159	0.5	10.0	9.5	41.5	35.9	2.4	1.0
PKV2602	438267	6494469	347	E70/3159	0.5	11.0	10.5	40.3	34.3	3.7	1.4
PKV2612	439073	6494460	350	E70/3159	1.0	11.0	10.0	43.3	38.5	1.9	0.5
PKV2624	438232	6494399	350	E70/3159	0.5	10.5	10.0	40.2	34.8	3.2	1.3
PKV2625	438311	6494395	346	E70/3159	0.5	10.0	9.5	38.9	33.5	6.8	0.7
PKV2632	438869	6494389	350	E70/3159	0.0	9.5	9.5	39.5	33.6	2.2	0.8
PKV2633	438940	6494386	350	E70/3159	0.5	11.5	11.0	42.1	37.1	6.0	1.7
PKV2647	438349	6494330	344	E70/3159	1.5	10.5	9.0	38.1	31.0	3.4	1.5
PKV2648	438430	6494329	300	E70/3159	0.5	10.5	10.0	41.5	36.1	2.1	0.8
PKV2651	438674	6494326	348	E70/3159	1.0	10.0	9.0	40.7	34.9	3.8	1.7
PKV2652	438748	6494327	349	E70/3159	1.0	10.0	9.0	46.3	41.8	2.0	1.2
PKV2656	439067	6494332	349	E70/3159	1.5	10.5	9.0	42.0	36.3	3.5	1.5
PKV2668	438236	6494263	348	E70/3159	0.5	9.5	9.0	42.2	35.6	4.7	1.8
PKV2672	438550	6494260	300	E70/3159	0.5	11.0	10.5	38.4	32.1	3.4	1.5
PKV2677	438956	6494261	348	E70/3159	1.0	11.0	10.0	41.2	34.9	4.3	1.5
PKV2690	438267	6494191	344	E70/3159	0.0	9.5	9.5	43.5	38.3	5.4	1.5
PKV2694a	438590	6494190	300	E70/3159	1.0	10.5	9.5	42.2	33.9	1.9	0.7
PKV2696	438752	6494191	348	E70/3159	0.5	12.0	11.5	39.2	31.7	4.2	1.9
PKV2697	438830	6494192	348	E70/3159	2.5	12.5	10.0	36.4	29.0	4.6	1.3
PKV2713	438308	6494122	341	E70/3159	0.0	11.0	11.0	43.3	37.4	3.8	1.4
PKV2717	438631	6494117	350	E70/3159	0.5	12.0	11.5	42.5	37.6	1.6	0.7
PKV2718	438715	6494122	349	E70/3159	2.5	15.0	12.5	42.3	36.7	3.4	1.7
PKV2739	438673	6494057	352	E70/3159	1.0	14.0	13.0	39.6	32.3	6.8	2.0
PKV2763	438770	6494001	300	E70/3159	1.0	12.0	11.0	41.5	32.9	3.4	1.8
PKV2764	438869	6493972	343	E70/3159	0.5	10.5	10.0	38.8	32.7	4.3	2.1
PKV2765	438952	6493983	341	E70/3159	2.0	11.0	9.0	36.7	30.2	3.4	1.9
PKV3770	437390	6500010	300	E70/4021	1.0	10.0	9.0	43.9	28.7	11.4	4.6

**Vacuum drill samples were collected at 0.5m intervals and riffle split in the field to ~1kg. The sample was delivered to Nagrom laboratory where each sample was crushed and pulverized prior to initial screening analysis by fourier transform infrared (FTIR) and/or XRF analysis for total Al_2O_3 content (0.1% detection limit). Samples greater than 23% total Al_2O_3 content were then subject to low temperature bomb analysis at 143^0 Celsius which provided total Al_2O_3, available Al_2O_3 total SiO_2 and reactive SiO_2 (0.1 % detection limit).*

QUALIFYING STATEMENT

The information in this announcement that relate to Exploration Information are based on information compiled by Neil Martin a member of the Australian Institute of Geoscientists. Mr Martin is a qualified geologist with sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are 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 Martin has consented to the inclusion in this announcement of the Exploration Information in the form and context in which it appears.

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