

24<sup>th</sup> Sept 2020

## ASX ANNOUNCEMENT

### Drilling Commenced at Braeside Project in the Pilbara

#### Target Generation - Completion of 3 Years Systematic Exploration

- **Regional Scale Porphyry to Epithermal System** from surface
- **Large-scale mineralised system over 60km in strike and 8km in width**
- **45 Priority Cu-Au-Zn-Pb-Ag targets generated - all capable of discoveries**
- **Camp Scale Potential with 5 deposit types delineated**

#### Drilling Commenced – High Priority Targets

##### Sugar Ramos Target – Copper-Gold

- Diamond drilling targeting **Large Scale Cu-Au porphyry deposits**
- Rumble reconnaissance RC drilling intercepted a wide zone of potassic, barium potassic, calcic alteration with **elevated copper, gold and lead** with intense zonal sericite and magnetite-actinolite mineralisation which may be **indicative of a proximal fertile Cu-Au mineralised porphyry**

##### Barker Well Target – Lead-Zinc-Silver

- RC & diamond drilling targeting **High-Grade Pb-Zn-Ag Breccia Pipe deposits**
- **Large 800m zone of Pb-Zn-Ag - Open**
- Multiple high-grade breccia/pipe targets with **38.8%, 32.7%, 30.2% Lead** rock chips

##### Lightning Ridge Target – Lead-Silver

- RC drilling targeting **High-Grade Pb-Ag epithermal deposits**
- **Over 220m of epithermal vein/artisanal Pb-Ag mine workings**
- High-grade **silver to 1108 g/t, Lead to 38.6% and indium to 515 g/t** rock chips

##### Gossan East Target – Lead-Zinc-Copper

- RC drilling targeting **High-Grade Pb-Zn-Cu Breccia Pipe Deposits**
- **Over 450m of mineralised strike - Open**
- High-Grade **34.96% Lead, 2.41% Zinc, 27.4 g/t Silver & 5.34% Copper** rock chips



**Image 1 – RC Drilling Commenced at Braeside Project**



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#### **ASX RTR**

##### **Executives & Management**

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Managing Director

Mr Brett Keillor  
Technical Director

Mr Matthew Banks  
Non-executive Director

Mr Michael Smith  
Non-executive Director

Mr Steven Wood  
Company Secretary

Mr Mark Carder  
Exploration Manager

Rumble Resources Ltd (ASX: RTR) (“Rumble” or “the Company”) is pleased to announce that a multiphase systematic exploration campaign has delineated 45 priority Cu-Au-Zn-Pb-Ag-V targets at the Braeside Project, located 129km east of Marble Bar in the East Pilbara Region of Western Australia. Furthermore, the target generation has highlighted the camp scale potential of the Braeside Project with five deposit types delineated that are all associated with a regional scale porphyry to epithermal system with over 60km of mineralised strike and up to 8km in width.

Rumble has now commenced a multi-rig drill programme which will consist of reverse circulation (RC) and diamond drilling (co-funded by EIS), testing a range of these high priority targets. RC drilling will focus on near surface targets, and the diamond drilling will focus on deeper targets, to which will also assist with a better geological understanding of the system.

## Braeside Zn-Pb-Cu-Ag-Au-V Project, East Pilbara Western Australia

Rumble holds a significant holding in the Fortescue and Paterson Provinces of the East Pilbara Region, Western Australia with over 2968 Sq kilometres of highly prospective tenure known for its large-scale Tier 1 discoveries – see image 2.

The Braeside Project area comprises 673 km<sup>2</sup>, consisting of E45/2032 (RTR 70%), E45/4368 (RTR earning 70%), E45/4874 (RTR 100%) and E45/4873 (RTR 100%). The Warroo Project (100% RTR) is contiguous to east of the Braeside Project comprises of 970 km<sup>2</sup> and the Lamil JV project with AIC Mines (AIC can earn up to 65%) with an area of 1325 km<sup>2</sup>.

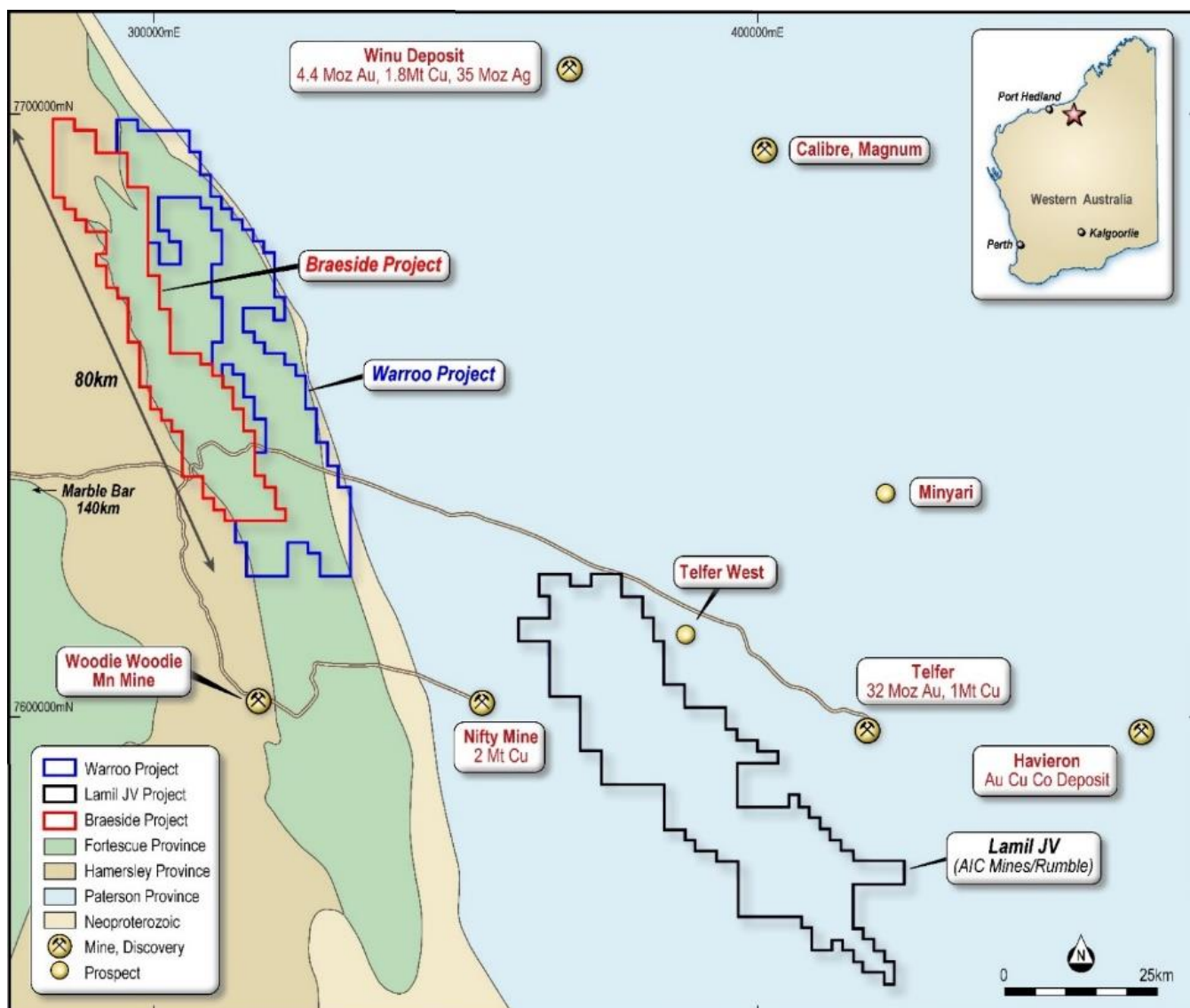


Image 2: Braeside Project Location over Province Geology (see Appendix 1)

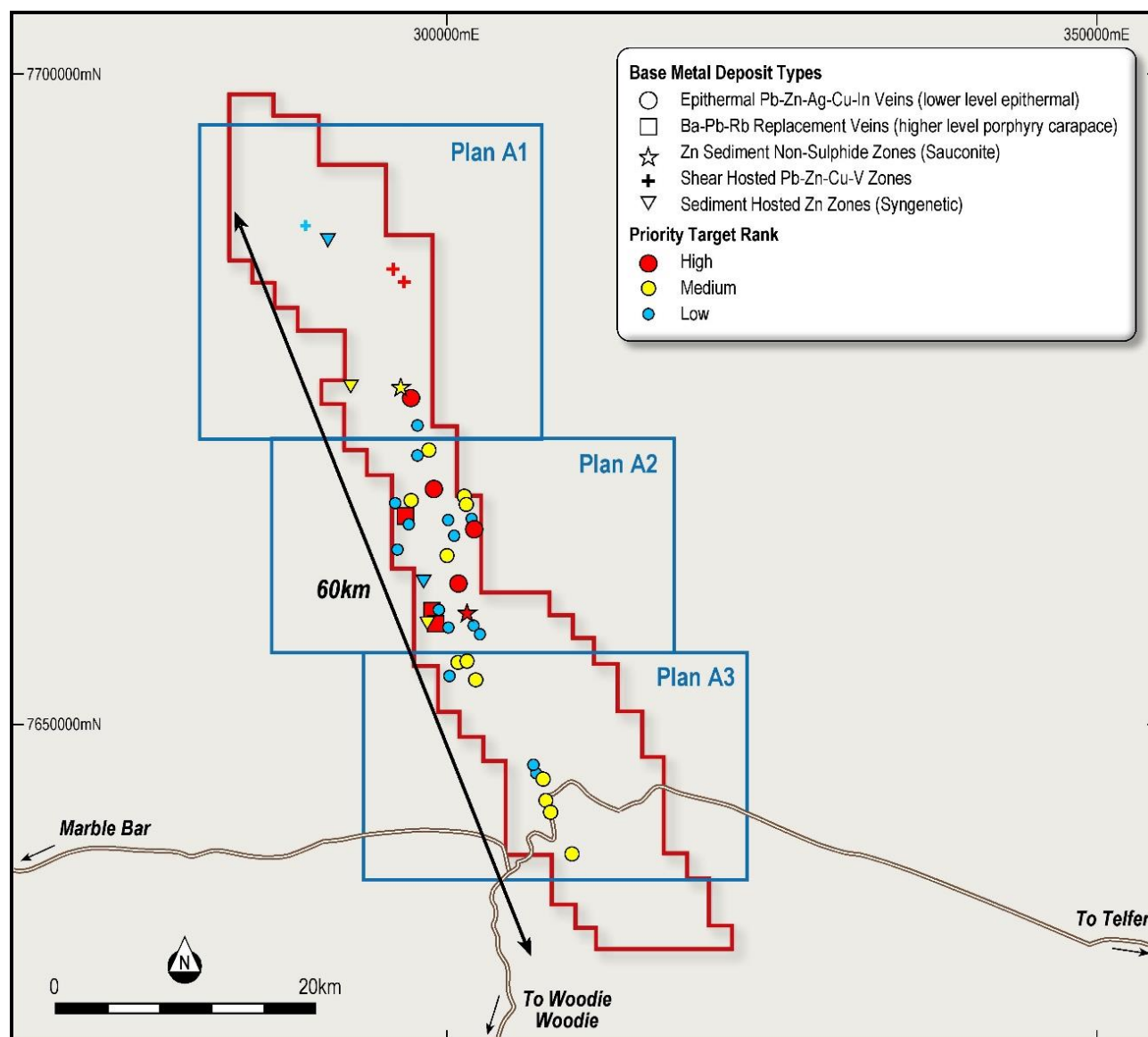
## Target Generation Completed - 3 Years of Systematic Exploration

Rumble acquired the Braeside Project in April 2017. The project hosts many historic high-grade, base metal, small-scale mines including the high-grade Ragged Hills mine that produced high-grade lead, zinc and silver up until 1959. Prior to Rumble's acquisition no systematic modern exploration had been completed at Braeside. The first phase of systematic exploration commenced in May 2017 and over a period of 3 years, and multiple phases of exploration Rumble has now generated forty-five (45) Cu-Au- Zn-Pb-Ag-priority targets, all capable of significant discoveries.

The 45 targets generated by Rumble are presented in images 3 to 6. Five deposit types have been inferred by Rumble and are explained in the section below titled *Geological Mineral Deposits Types*.

### Priority Target Ranking

- **12 High Priority Targets** - have been identified where confidence highest based on exploration work completed. These are "drill ready".
- **14 Medium Priority Targets** - have been identified where confidence is moderate based on exploration work completed which may be considered for further drill testing or target definition.
- **19 Low Priority targets** have been identified where confidence is low based on exploration work and requires additional targeting prior to drilling.



**Image 3** - Braeside Project - Project Index Plan of Deposit Types, Target Priority set out in Plan A1, A2 and A3.



## Systematic Exploration/Studies Completed

### Geochemistry

- 3391 soil samples (wet analysis)
- 5055 pXRF in-situ soil analyses
- 243 stream sediment samples
- 798 grab (rock chip) samples

### Geophysics and Remote Sensing

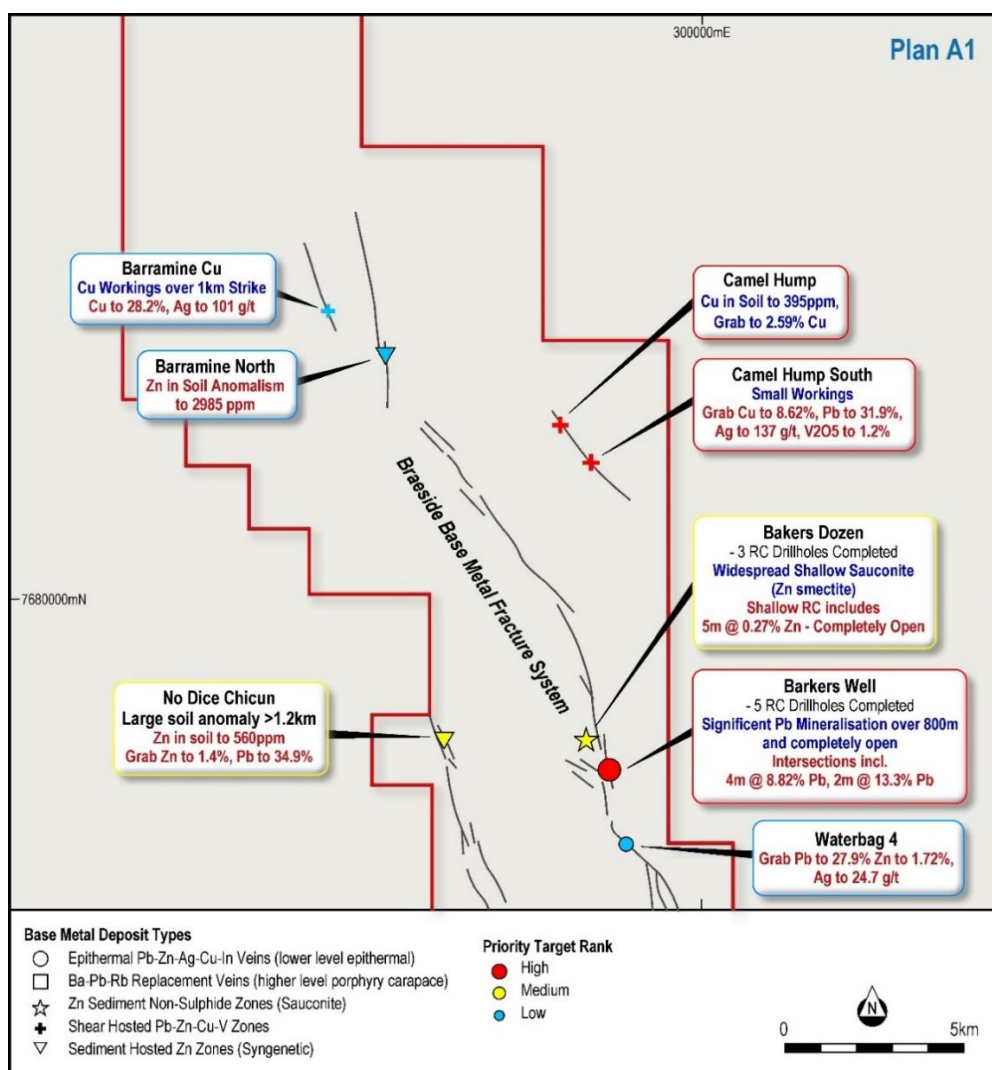
- Airborne VTEM survey
- Airborne magnetics survey
- High resolution RGB (topographic imagery) satellite data
- Moving loop TEM ground survey
- Regional spectral mapping (Worldview 3 satellite data)

### RC Drilling

- 80 RC drill holes for a total of 7112m
- Reconnaissance RC drilling completed on seventeen (17) targets/prospects

### Research studies

- 2 CSIRO studies (Spectral mineral mapping and alteration studies)



**Image 4 – Northern Braeside – Location and Status of Prospects – Plan A1**

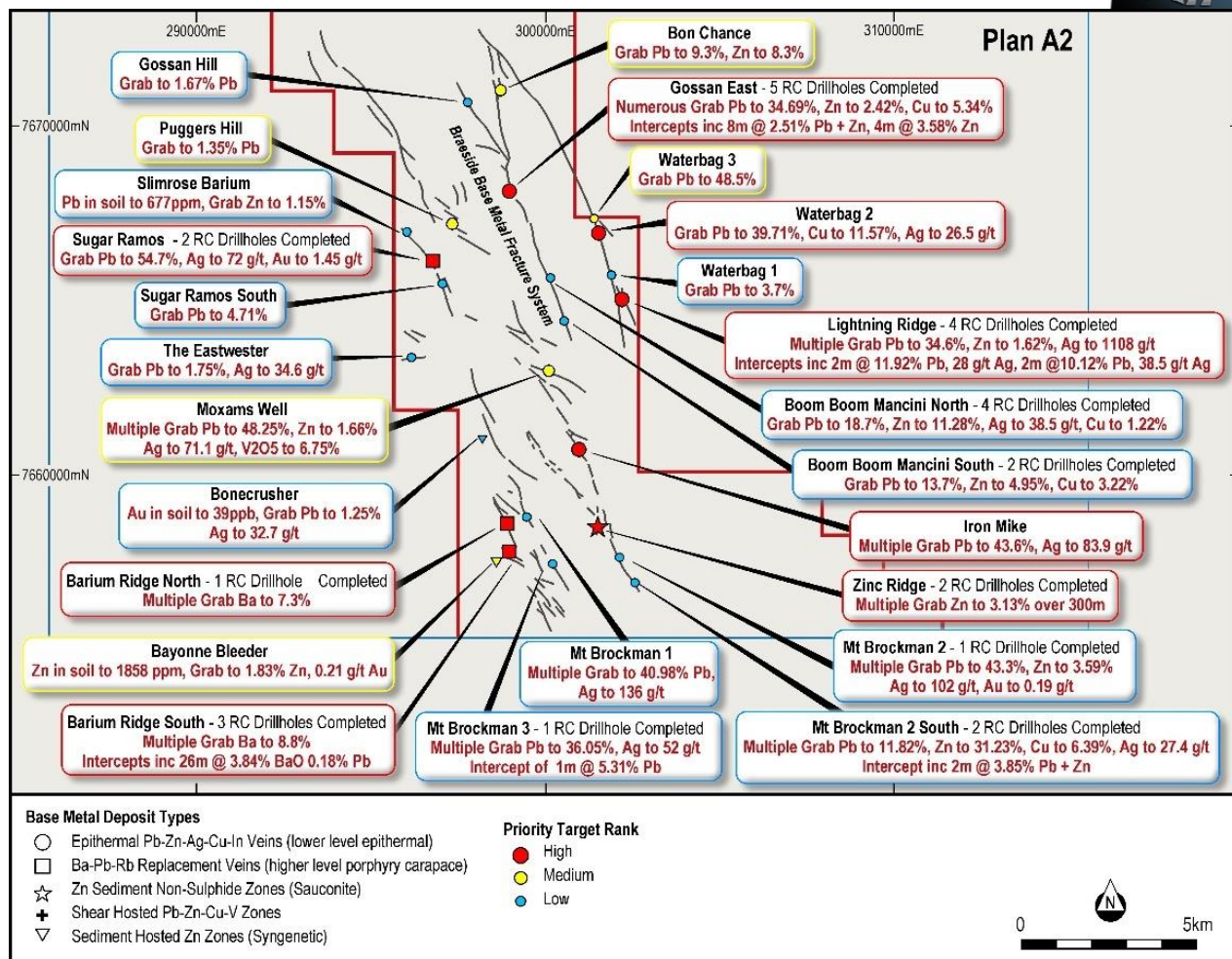


Image 5 – Central Braeside – Location and Status of Prospects – Plan A2

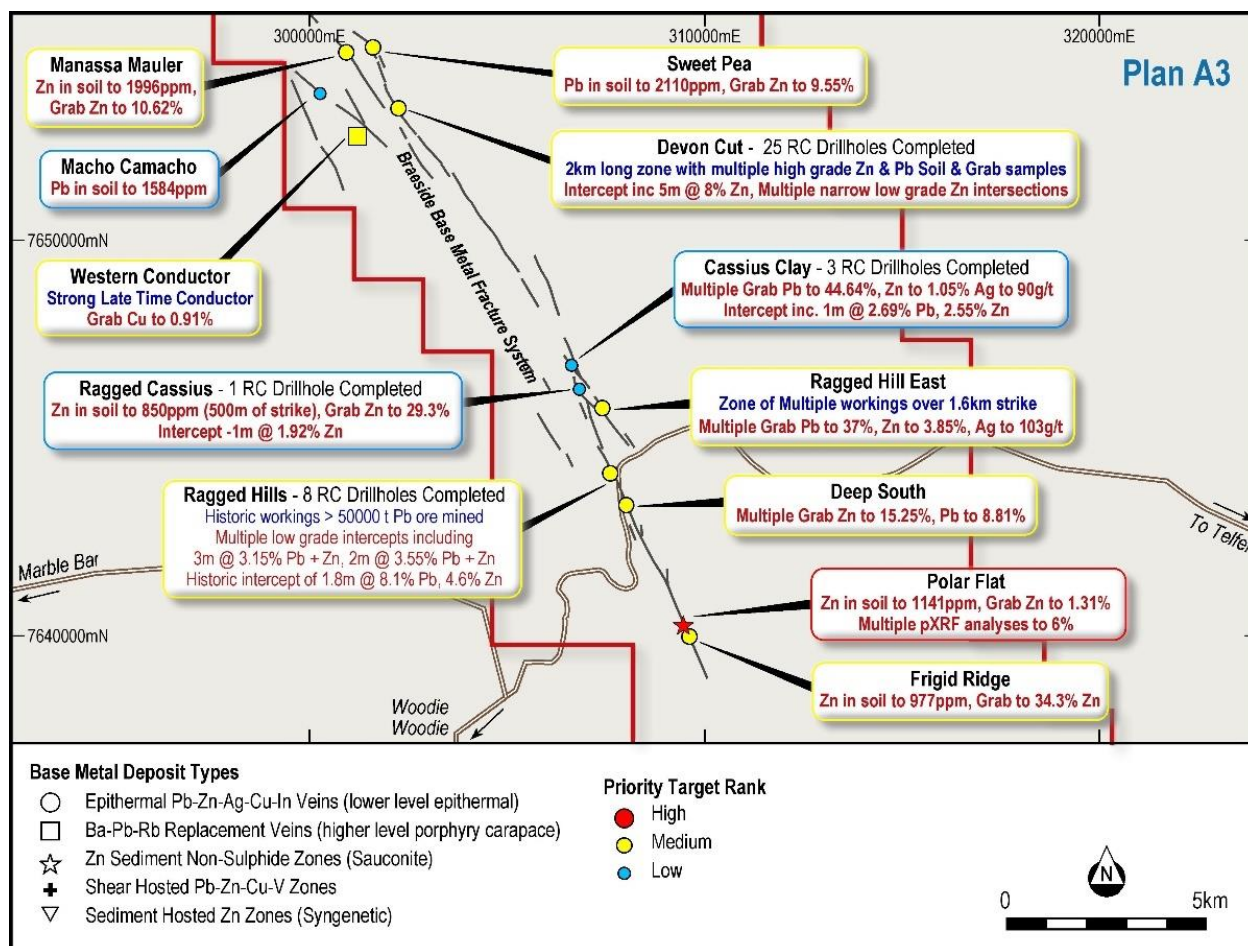


Image 6 – Southern Braeside – Location and Status of Prospects – Plan A3



## Geological Mineral Deposit Types



Exploration along with spectral mineral mapping and alteration studies (includes two CSIRO studies) has outlined at least five (5) Zn-Pb-Ag-Cu-V-Au styles of mineralisation at Braeside.

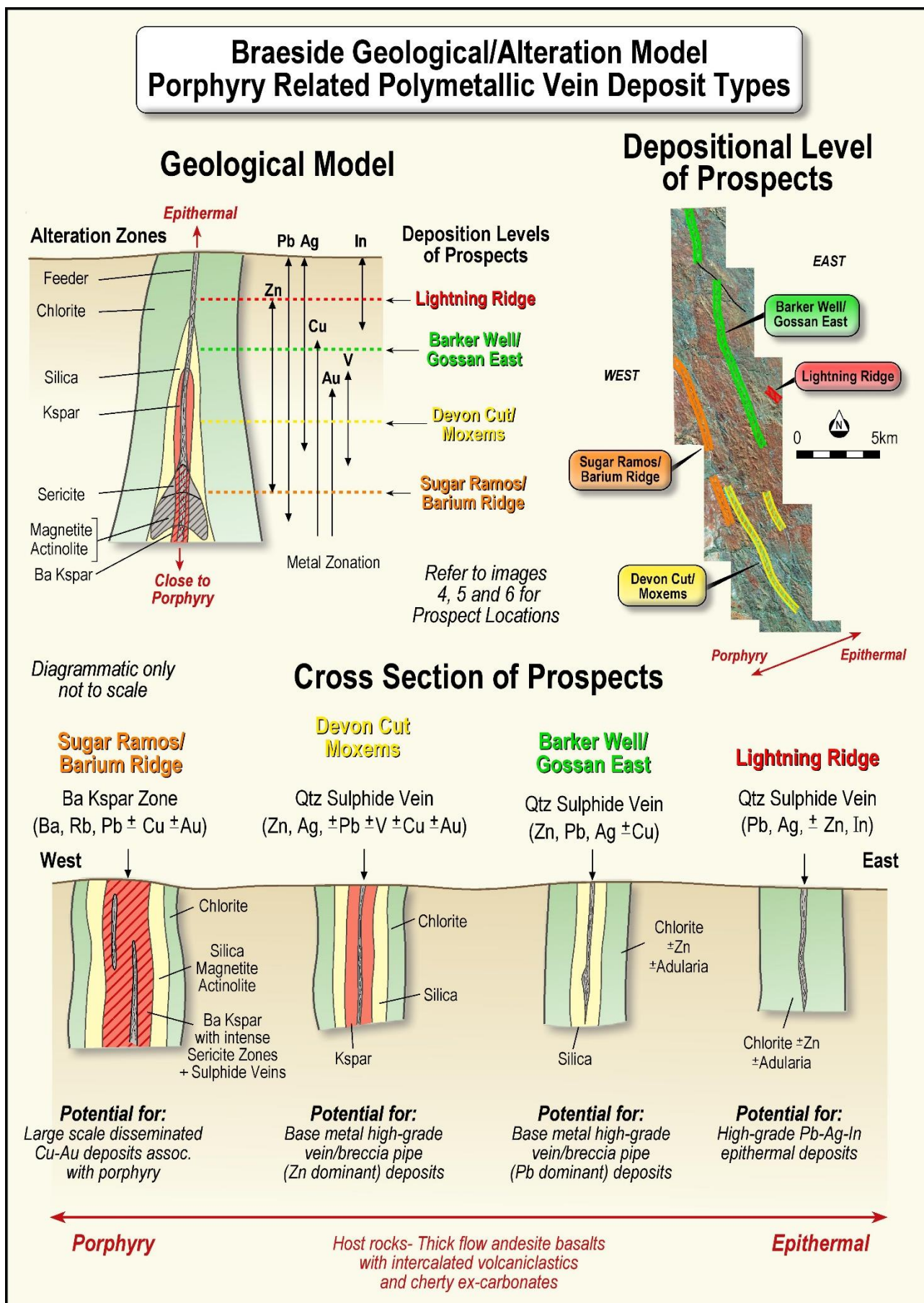


Image 7 – Braeside Project – Braeside Geological/Alteration Model



## Porphyry Related Polymetallic Vein Deposits (image 7)

A large-scale NNW trending mineralised fracture system extends over 60km at Braeside. The fracture system comprises of multiple open vein sets/zones with wide intense alteration haloes hosted in predominantly andesitic basalts with intercalated volcanoclastic sediments. Up to four (4) vein/zone styles have been recognised with polymetallic epithermal veins (higher deposition level) occurring in the eastern part of the fracture system ranging to deeper deposition levels to the west where large barium Kspar zones occur close to a major flat lying hiatus (Hamersley Formation/Fortescue Formation contact). Image 7 presents the porphyry related polymetallic vein deposit geological model. The dominant sulphides are galena and sphalerite with significant silver, copper and vanadium occurring at appropriate deposition levels. Low level gold develops preferably in the lower Ba Kspar zone along with elevated copper and rubidium.

In summary, the high-level mineralisation to the east is considered epithermal polymetallic style with elevated silver to 1108 g/t and indium to 515 g/t. The lower level mineralisation to the west is considered to lie in the upper carapace zone to an alkalic porphyry system with characteristic intense sericite alteration with zonal calcic alteration (actinolite) and magnetite. Gold to 1.45 g/t (grab) and 1m @ 0.96 g/t are associated with intense barium oxide Kspar (celsian-hyalophane) altered zones. Disseminated chalcopyrite occurs within the alteration zones.

**Rumble considers the potential for porphyry related polymetallic deposits is high.** Targets include:

- Multiple, structurally controlled high-grade Zn-Pb-Ag-Cu-V breccia pipes and epithermal veins.
- Cu +/- Au with Zn-Pb-Ag sheeted vein system related to the upper altered carapace zone to a deep alkalic porphyry.

## Sediment Hosted Non-Sulphide Zn Deposits

Associated with the large-scale NNW trending fracture system are flat lying zones of low to medium grade Zn occurring as sauconite (Zn smectite). Sauconite occurs in fresh fine to medium grain volcanic siltstones and sandstones with grades up to 3% Zn. The sauconite is not considered a “later” secondary process and likely represents syngenetic mineralisation associated with the fracture system. Dating has shown the age of the Pb mineralisation (associated with Zn) is the same as the host andesitic basalts and volcanoclastics and the nearby fertile Koongaling Felsic Volcanics (thought to be the source of the metals). The sauconite potentially developed in the surface porous sediments in the early stages of diagenesis as mineralisation fronts pervaded from the mineralising fracture zones.

Rumble considers the potential for large flat lying non-sulphide Zn mineralisation zones (sauconite) is high, especially between multiple fracture systems where flow-through fluid convection with hydraulic/hydrostatic pressure may occur.

## Shear Hosted Pb-Zn-Cu-V Zones (image 3 and 4 for locations)

In the northern portion of the Braeside Project, significant mineralisation associated with sheared felsic and andesitic rocks occur at the Camel Hump, Camel Hump South and Barramine Cu prospects (see image 3 and 4). High-grade Pb, Cu, and V occur with Ag and Zn within a NW trending shear zone (predominantly under cover) over a strike of 2km at the Camel Hump prospects. Grab sampling has returned:

- **Cu to 8.62%, Pb to 31.9%, V2O5 to 1.2%, Ag to 137 g/t and Zn to 2.07%.**

At the Barramine Cu prospect, workings (partly covered) occur over a NW trending strike of 1km with **Cu to 28.2% and Ag to 101 g/t.**

The style of mineralisation (epigenetic) is fault/shear-controlled zones – polymetallic orogenic shear zone type.



## Sediment Hosted Syngenetic Zn Sulphide Deposits

Onlapping Hamersley Formation shales (Jeerinah Formation) immediately west of the andesitic basalts hosting the Braeside Base Metal Fracture System are strongly elevated with zinc, lead, silver and gold. The Jeerinah Formation is a very regionally extensive (with significant black shale) shale formation (up to 1800m thick) derived from a sulphate rich sea beginning around 2.63Ga. The underlying Fortescue Formation was formed between 2.78 – 2.63Ga. Within the Jeerinah Formation and immediately west of the main Hamersley Formation basal contact, bimodal volcanics (mafic and felsic – Barramine Volcanic Member -1km thick) occur within the Jeerinah Formation. The implication is a rift tectonic margin may have developed with potential for SEDEX and VMS style deposits.

Exploration by Rumble has highlighted significant Zn in soil anomalism (up to 1858ppm) and grab sampling has returned up to 1.83% Zn from shale with elevated gold to 0.21 g/t. Three prospect/targets are considered sediment hosted syngenetic Zn sulphide type (Bayonne Bleeder, Bonecrusher and No Dice Chicun – see images 3, 4 and 5 for locations). Rumble considers the main Hamersley/Fortescue Formation contact and the overlying shales with intercalated bimodal volcanics (later reactivated volcanism after the main Fortescue volcanic events) to be prospective for SEDEX and VMS base metal deposits.

## Drilling Commenced

Rumble has commenced a multi-rig drill programme which will consist of reverse circulation (RC) and diamond drilling.

Rumble has received EIS co-funding approval (\$150,000) for the diamond drilling program.

Rumble plans to drill a minimum of four high priority targets with the capability to drill further targets/metres.

### 1. Lightning Ridge Target – See Image 5

Over 220m of epithermal vein/artisanal Pb-Ag mine workings. Grab sampling returned up to:

- 1108 g/t Ag
- 38.6% Pb
- 515 g/t In
- 012% Bi

Reconnaissance RC drilling by Rumble completed 4 RC holes with intersections including:

- BRRC104 – 2m @ 11.92% Pb, 28 g/t Ag from 36m
- BRRC106 – 2m @ 10.12% Pb, 38.5 g/t Ag from 55m

***RC drilling will target the 220m of workings for High-Grade Pb-Ag epithermal deposits***

### 2. Gossan East Target – See Image 5

Over 450m of Pb-Zn-Cu mineralised strike. Previous reconnaissance RC drilling by Rumble intersected:

- BRRC095 – 8m @ 2.52% Pb +Zn from 34m
- BRRC096 – 4m @ 3.58% Zn from 44m

Grab sampling returned up to:

- 34.96% Pb
- 2.41% Zn
- 27.4 g/t Ag
- 5.34% Cu

***RC Drilling will target High-Grade Pb-Zn-Cu Breccia Pipe deposits***



### 3. Barker Well Target - See image 4 & 8

Recent infill soil geochemistry (20m by 10m grid) and grab sampling has highlighted a series of potential high-grade Pb-Ag +/-Zn breccia pipe/shoots over a strike of 800m (completely open) at Barker Well. Soil sampling (in situ pXRF) returned up to 3.73% Pb. Multiple high-grade grab samples include:

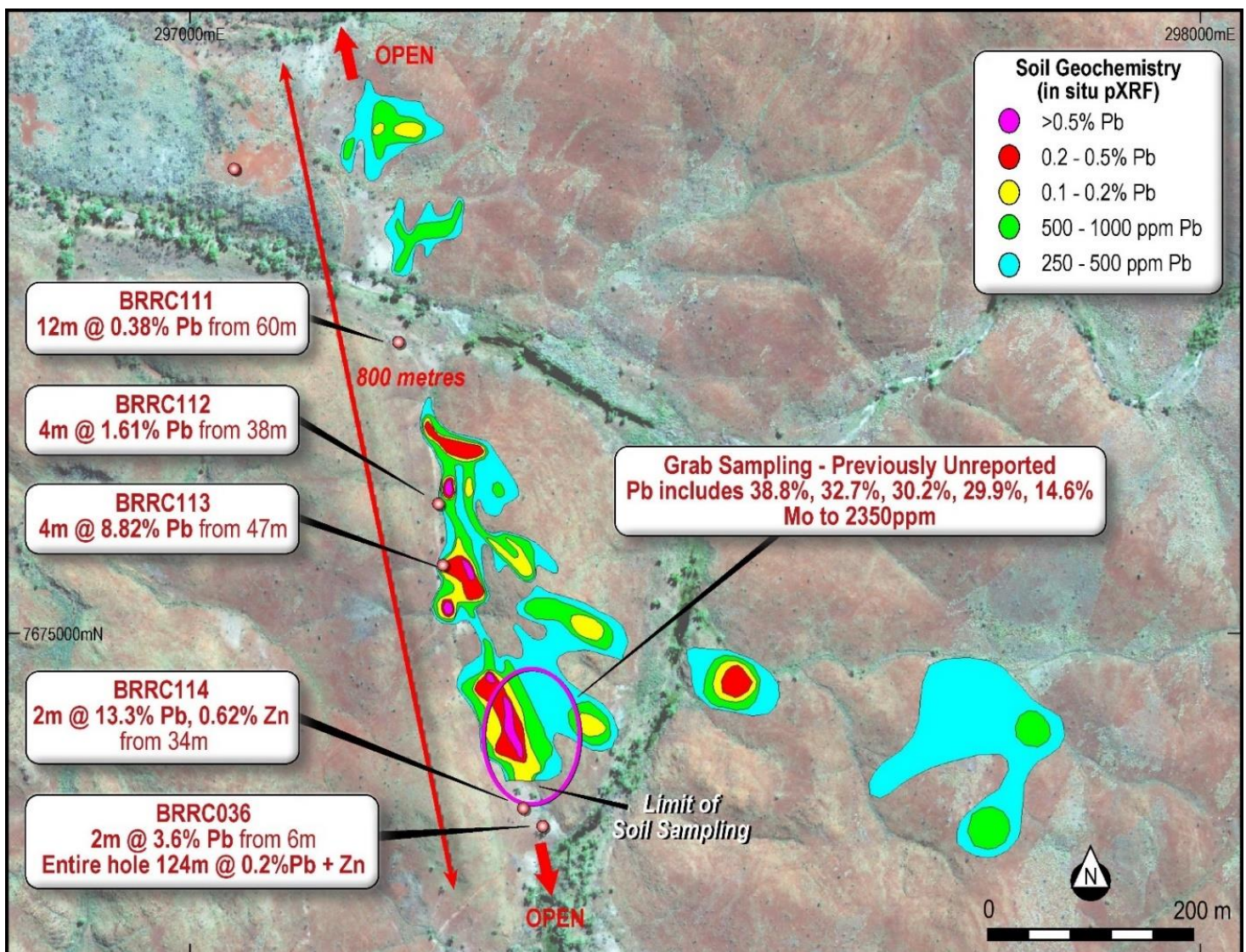
- 38.8%, 32.7%, 30.2%, 29.9% and 14.6% Pb as galena.
- Mo to 2350 ppm

RC Drilling by Rumble (five reconnaissance holes completed along mineralised zone) returned significant Pb mineralisation including:

- BRRC113 - 4m @ 8.82% Pb from 47m
- BRRC114 - 2m @ 13.3% Pb, 0.62% Zn from 34m
- BRRC036 - 124m @ 0.2% Pb + Zn – from surface (entire hole) - returned a very wide zone of alteration with Pb and Zn mineralisation highlighting potential for scale

**RC Drilling will target the high order Pb in soil anomalism with the primary target between BRRC113 and BRRC114 Targeting High-Grade Pb-Zn-Ag Breccia Pipe deposits**

**The diamond core tail will target below the main area of high-order soil anomalism and high-grade Pb in grab samples adjacent and below the wide zone of alteration with Pb and Zn mineralisation. Rumble has been awarded EIS co-funding to a deep diamond core tail drill-hole (depth to 700m).**



**Image 8 – Barker Well Prospect – Soil Geochemistry and Drill Hole Results**

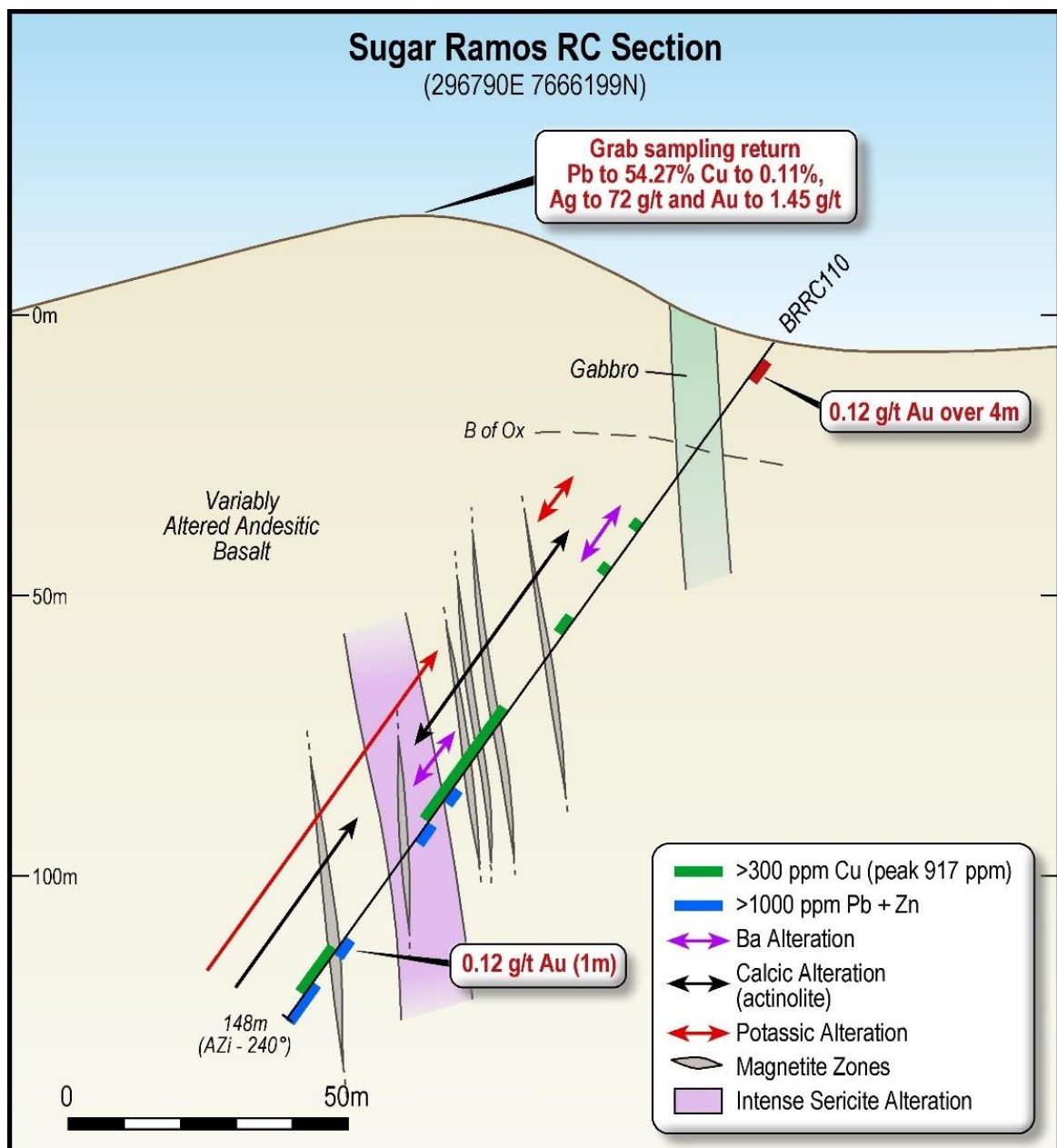
#### 4. Sugar Ramos Target - See image 5 & 9

Rumble reconnaissance RC Drill hole BRRC110 (see image 9) intercepted a broad zone of potassic, barium Kspar and calcic (actinolite) alteration with intense zonal sericite and magnetite along with elevated Cu as disseminated chalcopyrite and elevated Au and Pb which may be indicative of a proximal fertile Cu-Au mineralised porphyry.

Grab sampling above the drill intersection returned up to:

- 54.27% Pb
- 1.45 g/t Au (which is the highest gold value returned by Rumble at Braeside)
- 0.11% Cu
- 72 g/t Ag

***A single deep diamond core drill hole will test highly significant alteration and mineralisation defined by RC drill hole BRRC110 focussing some 300m below the current alteration and mineralisation zone where the inferred target is potential a large scale Cu-Au sheeted vein/stockwork associated with the upper carapace zone of an underlying alkalic porphyry targeting large scale Cu-Au porphyry deposits.***



**Image 9 – Sugar Ramos Prospect – Alteration/Mineralisation Section**





## Authorisation

This announcement is authorised for release by Shane Sikora, Managing Director of the Company.

**-Ends-**

For further information visit [rumbleresources.com.au](http://rumbleresources.com.au) or contact [enquiries@rumbleresources.com.au](mailto:enquiries@rumbleresources.com.au).

## About Rumble Resources Ltd

Rumble Resources Ltd is an Australian based exploration company, officially admitted to the ASX on the 1st July 2011. Rumble was established with the aim of adding significant value to its current mineral exploration assets and will continue to look at mineral acquisition opportunities both in Australia and abroad.

## Competent Persons Statement

The information in this report that relates to Exploration Results is based on and fairly represents information compiled by Mr Brett Keillor, who is a Member of the Australasian Institute of Mining & Metallurgy and the Australian Institute of Geoscientists. Mr Keillor is an employee of Rumble Resources Limited. Mr Keillor has sufficient experience 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 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Keillor consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## Appendix 1

Image 2 – for further detail please refer following ASX announcements:

- Winu – 28 July 2020 - <https://www.asx.com.au/asxpdf/20200728/pdf/44kwplzvnm0rsr.pdf>
- Telfer – 13 February 2020 - <https://www.asx.com.au/asxpdf/20200213/pdf/44f1r9szbpcqw3.pdf>
- Havieron– 10 September 2020 - <https://www.asx.com.au/asxpdf/20200910/pdf/44mhhy10hczxfb.pdf>
- Nifty – 10 March 2020 - <https://www.asx.com.au/asxpdf/20200310/pdf/44fwgwdx020vv.pdf>

Images 4 through 6 – refer previous Rumble ASX announcements:

- 22 August 2019 - <https://www.asx.com.au/asxpdf/20190822/pdf/447qnbnsb2zqlm.pdf>
- 17 December 2018 - <https://www.asx.com.au/asxpdf/20181217/pdf/4418snyg834sc0.pdf>
- 27 November 2018 - <https://www.asx.com.au/asxpdf/20181127/pdf/440npsbj99f4jz.pdf>

Rumble confirms that it is not aware of any new information or data that materially affects the information included in these previous Company announcements.



## Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul style="list-style-type: none"> <li>Grab sampling consists of taking up to 2kg of material as random chips</li> <li>In-situ pXRF soil sampling utilises a portable Vanta XRF analyser. Methodology involves moving approximately 2cm of topsoil to expose a flat soil surface. The analyser then reads the elemental response which is recorded. All sites are controlled by handheld GPS. The procedure ensures that all lag and rock fragments are removed and only the soil media is tested. CRMs includes appropriate base metal standards and also a blank. The CRM sample is taken at the end or start of sample grids, or every 20 samples.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.)..</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed</li> </ul>
Logging	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed</li> </ul>



Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul>	<ul style="list-style-type: none"> <li>Grab samples are sent for multi-element 4 acid digest at ALS and Intertek Genalysis laboratories in Perth.</li> <li>In-situ pXRF soil sampling uses both XRF CRM standards and blanks.</li> </ul>
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>All grab and in-situ pXRF sampling controlled by handheld GPS using GDA94 Zone 51.</li> </ul>
Data spacing and distribution	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed</li> </ul>
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed.</li> </ul>
Sample security	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>Rumble's contractors controlled transport and delivery of samples.</li> </ul>
Audits or reviews	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>

## Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>The Braeside project comprises of Four (4) granted exploration licenses – E45/2032, E45/4368, E45/4873, and E45/4874 and two (2) exploration license applications E45/5356 and E45/5591. <ul style="list-style-type: none"> <li>E45/2032 is currently owned by Maverick Exploration Pty Ltd. Rumble Resources has earned 70% of the tenement. The license is granted, in a state of good standing and has no known impediments to operate in the area.</li> <li>E45/4368 is currently owned by Great Sandy Pty Ltd and Rumble is earning 70%</li> <li>All other exploration (and applications) licenses are 100% Rumble</li> </ul> </li> </ul>
Exploration done by other parties	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Exploration solely completed by Rumble Resources</li> </ul>
Geology	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>Braeside -Target is Zn, Pb, Cu, V and precious metals. Deposit type is conceptual. Porphyry related (including VHMS) polymetallic deposit type and disseminated sediment hosted type.</li> </ul>
Drill hole Information	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed</li> </ul>
Data aggregation methods	<ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling completed</li> </ul>





Criteria	JORC Code explanation	Commentary
<i>Relationship between mineralisation widths and intercept lengths</i>	<ul style="list-style-type: none"> <li>• <i>These relationships are particularly important in the reporting of Exploration Results.</i></li> <li>• <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i></li> <li>• <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</i></li> </ul>	<ul style="list-style-type: none"> <li>• No Drilling completed</li> </ul>
<i>Diagrams</i>	<ul style="list-style-type: none"> <li>• <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Image 1 – RC Drilling Commenced at Braeside Project</li> <li>• Image 2 – Braeside Project Location over Province Geology</li> <li>• Image 3 - Braeside Project - Project Index Plan of Deposit Types and Target Priority</li> <li>• Image 4 – Braeside Project – Northern Braeside - Location and Status of Prospects – Plan A1</li> <li>• Image 5 - Braeside Project – Central Braeside - Location and Status of Prospects – Plan A2</li> <li>• Image 6 - Braeside Project – Southern Braeside - Location and Status of Prospects – Plan A3</li> <li>• Image 7 - Braeside Project – Braeside Geological/Alteration Model</li> <li>• Image 8 - Braeside Project – Barker Well Prospect – Soil Geochemistry and Drill Hole Results</li> <li>• Image 9 - Braeside Project – Sugar Ramos – Alteration/Mineralisation Section</li> </ul>
<i>Balanced reporting</i>	<ul style="list-style-type: none"> <li>• <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results</i></li> </ul>	<ul style="list-style-type: none"> <li>• No drilling completed</li> </ul>
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> <li>• <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Table 1 - Grab Sampling Results – 2019 to 2020 (previously unreported)</li> <li>• Table 2 - In Situ pXRF Soil Sampling – Example of Analyses</li> </ul>
<i>Further work</i>	<ul style="list-style-type: none"> <li>• <i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li>• <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Braeside Project</li> <li>• RC Drilling</li> <li>• Diamond Drilling</li> </ul>

**Table 1**  
**Grab Sampling Results – 2019 to 2020 (previously unreported)**

SampleID	East	North	Ag g/t	Ba ppm	Cu ppm	Cu %	Mo ppm	Pb ppm	Pb%	S ppm	V2O5 ppm	V2O5 %	Zn ppm	Zn %
BR461	294998	7676000	0.01	341	2	0.00	0.01	14	0.00	159	235.62	0.02	460	0.05
BR462	295004	7676003	0.01	647	139	0.01	3	45	0.00	68	257.04	0.03	107	0.01
BR463	292257	7675552	0.01	349	122	0.01	8	90	0.01	611	269.54	0.03	7283	0.73
BR464	292254	7675550	0.01	101	17	0.00	15	147	0.01	220	242.76	0.02	21603	<b>2.16</b>
BR465	292254	7675546	0.01	78	10	0.00	21	312	0.03	363	235.62	0.02	47584	<b>4.76</b>
BR466	292271	7675362	0.01	86	22	0.00	23	176	0.02	164	89.25	0.01	5390	0.54
BR467	292197	7675200	0.01	53	24	0.00	2	542	0.05	194	17.85	0.00	1639	0.16
BR468	292622	7675728	2.3	4117	102	0.01	0.01	2329	0.23	1683	33.92	0.00	272	0.03
BR469	292607	7675760	2.4	3031	54	0.01	0.01	1564	0.16	3070	8.93	0.00	87	0.01
BR470	292584	7675809	<b>6.9</b>	2143	310	0.03	6	1594	0.16	2164	478.38	0.05	189	0.02
BR471	292519	7675910	<b>87.8</b>	413	25	0.00	0.01	349498	<b>34.95</b>	44640	21.42	0.00	152	0.02
BR472	292490	7675870	0.01	5575	70	0.01	0.01	1552	0.16	563	317.73	0.03	14004	<b>1.40</b>
BR473	292492	7675868	4.2	3180	136	0.01	8	7433	0.74	1493	226.70	0.02	1288	0.13
BR474	292444	7676043	0.01	3887	220	0.02	3	1396	0.14	16780	69.62	0.01	51	0.01
BR475	292474	7675986	0.01	3721	274	0.03	7	1904	0.19	2174	564.06	0.06	1248	0.12
BR476	292092	7675046	0.01	1168	152	0.02	41	337	0.03	129	239.19	0.02	7780	0.78
BR477	296987	7674014	0.8	827	227	0.02	0.01	3897	0.39	82	651.53	0.07	422	0.04
BR478	297004	7674397	<b>5.7</b>	906	228	0.02	12	2021	0.20	552	171.36	0.02	332	0.03
BR479	297054	7674418	3.9	261	31	0.00	10	1688	0.17	703	171.36	0.02	942	0.09
BR480	297274	7674764	0.6	199	135	0.01	0.01	516	0.05	440	389.13	0.04	77	0.01
BR481	297258	7674922	0.01	113	73	0.01	0.01	396	0.04	100	107.10	0.01	102	0.01
BR482	298835	7671521	0.01	582	17	0.00	2	330	0.03	0.01	132.09	0.01	333	0.03
BR483	298792	7671593	<b>27.7</b>	23	6	0.00	0.01	194312	<b>19.43</b>	26342	7.14	0.00	45	0.00
BR484	298782	7671609	0.01	631	15	0.00	0.01	1612	0.16	283	233.84	0.02	3981	0.40
BR485	298745	7671658	0.01	971	5	0.00	21	278	0.03	94	124.95	0.01	589	0.06
BR486	298735	7671676	0.01	651	20	0.00	0.01	356	0.04	58	182.07	0.02	303	0.03
BR487	298717	7671707	0.01	688	0.01	0.00	3	1396	0.14	659	298.10	0.03	918	0.09
BR488	298696	7671812	0.01	141	43	0.00	6	2212	0.22	255	76.76	0.01	990	0.10
BR489	298699	7671792	0.01	505	52	0.01	3	58	0.01	0.01	308.81	0.03	3352	0.34
BR495	298678	7671081	<b>6</b>	318	55	0.01	0.01	93483	<b>9.35</b>	1841	189.21	0.02	83244	<b>8.32</b>
BR494	298680	7671069	1.1	332	20	0.00	35	27570	<b>2.76</b>	1450	228.48	0.02	12854	<b>1.29</b>
BR493	298683	7671063	2.7	495	261	0.03	0.01	34473	<b>3.45</b>	1845	199.92	0.02	42351	<b>4.24</b>
BR492	298690	7671041	1.1	668	570	0.06	4	11235	<b>1.12</b>	202	280.25	0.03	6948	0.69
BR491	298687	7671033	0.01	547	180	0.02	0.01	3846	0.38	103	287.39	0.03	17979	<b>1.80</b>
BR490	298687	7671046	0.01	504	246	0.02	0.01	12479	<b>1.25</b>	679	189.21	0.02	64539	<b>6.45</b>
BR496	298621	7670703	0.01	757	331	0.03	0.01	1818	0.18	346	265.97	0.03	1439	0.14
BR497	298629	7670376	<b>7.7</b>	744	209	0.02	12	60943	<b>6.09</b>	2674	710.43	0.07	264	0.03
BR498	298731	7669802	0.01	194	352	0.04	3	1697	0.17	71	117.81	0.01	1015	0.10
BR499	296952	7676023	0.01	1241	239	0.02	15	8791	0.88	287	240.98	0.02	615	0.06
BR500	296957	7676024	0.01	1844	228	0.02	9	13011	<b>1.30</b>	212	255.26	0.03	1757	0.18
BR501	296965	7676015	0.01	112	116	0.01	0.01	1470	0.15	97	139.23	0.01	573	0.06
BR502	296856	7676671	0.01	531	49	0.00	0.01	94	0.01	61	171.36	0.02	239	0.02
BR503	299116	7664157	0.01	933	8	0.00	10	1163	0.12	52	357.00	0.04	386	0.04
BR504	299410	7664036	0.01	778	7	0.00	0.01	1541	0.15	225	498.02	0.05	2314	0.23
BR505	299483	7663934	0.01	863	74	0.01	5	740	0.07	100	353.43	0.04	187	0.02
BR506	299763	7663375	<b>41.2</b>	103	793	0.08	3	313473	<b>31.35</b>	22854	8207.43	<b>0.82</b>	2762	0.28
BR507	300121	7662949	<b>39.8</b>	62	1676	0.17	13	482469	<b>48.25</b>	19847	67458.72	<b>6.75</b>	10459	<b>1.05</b>
BR508	300299	7662880	0.01	2197	381	0.04	0.01	2716	0.27	434	512.30	0.05	818	0.08
BR509	300307	7662874	1.2	156	1153	0.12	9	261509	<b>26.15</b>	245	8225.28	<b>0.82</b>	942	0.09
BR510	300993	7662528	2.1	777	410	0.04	5	9987	<b>1.00</b>	334	314.16	0.03	209	0.02
BR511	300976	7662535	1.1	511	93	0.01	9	16667	<b>1.67</b>	2801	224.91	0.02	145	0.01
BR512	300978	7662538	0.01	738	123	0.01	10	9921	0.99	1019	371.28	0.04	123	0.01
BR513	300949	7662560	0.01	465	326	0.03	4	23602	<b>2.36</b>	546	203.49	0.02	78	0.01
BR514	300938	7662572	1.6	480	115	0.01	8	11191	<b>1.12</b>	701	287.39	0.03	49	0.00
BR515	300921	7662582	0.01	977	772	0.08	0.01	5229	0.52	406	371.28	0.04	614	0.06
BR516	300907	7662587	0.9	1201	966	0.10	81	16104	<b>1.61</b>	480	405.20	0.04	178	0.02
BR517	300892	7662598	1.7	841	318	0.03	13	4584	0.46	771	174.93	0.02	16	0.00
BR518	300881	7662610	1.6	1176	2326	0.23	<b>100</b>	6468	0.65	534	337.37	0.03	2345	0.23
BR519	300836	7662640	2.4	468	679	0.07	<b>130</b>	7028	0.70	1516	215.99	0.02	13	0.00
BR520	300826	7662646	6.3	1081	140	0.01	3	6984	0.70	713	219.56	0.02	21	0.00
BR522	301101	7662866	5.8	319	215	0.02	7	1275	0.13	58931	144.59	0.01	16594	<b>1.66</b>
BR523	301101	7662861	2.2	98	1571	0.16	0.01	304	0.03	307	46.41	0.00	8577	0.86
BR524	301110	7662839	1.7	38	281	0.03	3	16173	<b>1.62</b>	851	94.61	0.01	10384	<b>1.04</b>
BR525	301108	7662835	0.01	364	185	0.02	4	5952	0.60	604	333.80	0.03	175	0.02
BR526	301112	7662829	2.1	83	216	0.02	4	14587	<b>1.46</b>	1261	74.97	0.01	14561	<b>1.46</b>
BR527	301115	7662826	0.01	293	38	0.00	3	4521	0.45	524	324.87	0.03	188	0.02
BR528	301454	7662612	4	27	1950	0.20	47	734	0.07	78	46.41	0.00	100	0.01
BR529	301550	7662563	<b>7.8</b>	82	3548	0.35	24	14587	<b>1.46</b>	786	87.47	0.01	321	0.03
BR530	300659	7662474	0.01	649	55	0.01	4	1027	0.10	69	191.00	0.02	1946	0.19
BR531	300680	7662534	0.01	425	28	0.00	4	224	0.02	0.01	182.07	0.02	332	0.03
BR532	299660	7657001	0.01	258	12	0.00	0.01	44	0.00	0.01	5.36	0.00	56	0.01
BR533	299686	7656905	0.01	496	25	0.00	0.01	23	0.00	0.01	3.57	0.00	106	0.01
BR534	299671	7656856	0.01	1786	42	0.00	0.01	35	0.00	96	364.14	0.04	159	0.02
BR535	299671	7656841	1.1	77	386	0.04	5	588	0.06	0.01	278.46	0.03	271	0.03
BR536	299651	7656745	0.01	226	29	0.00	0.01	14	0.00	0.01	80.33	0.01	134	0.01
BR537	299898	7656837	0.01	3544	97	0.01	0.01	2640	0.26	366	324.87	0.03	328	0.03



SampleID	East	North	Ag g/t	Ba ppm	Cu ppm	Cu %	Mo ppm	Pb ppm	Pb%	S ppm	V2O5 ppm	V2O5 %	Zn ppm	Zn %
BR538	299677	7656580	0.01	541	27	0.00	0.01	249	0.02	147	55.34	0.01	202	0.02
BR539	299702	7656573	0.01	1122	89	0.01	0.01	345	0.03	61	390.92	0.04	254	0.03
BR540	299730	7656433	0.5	1181	49	0.00	7	402	0.04	129	274.89	0.03	38	0.00
BR541	299719	7656428	3	4592	36	0.00	3	2198	0.22	395	430.19	0.04	79	0.01
BR542	299780	7656345	3.1	20912	121	0.01	5	1431	0.14	413	624.75	0.06	166	0.02
BR543	299819	7656337	1	9837	89	0.01	3	1082	0.11	741	526.58	0.05	456	0.05
BR544	299918	7656543	0.9	248	1525	0.15	37	51619	<b>5.16</b>	1014	1242.36	0.12	1195	0.12
BR545	299998	7656479	0.01	1539	162	0.02	0.01	184	0.02	74	444.47	0.04	546	0.05
BR546	300023	7656443	1.2	2173	62	0.01	0.01	1705	0.17	528	328.44	0.03	122	0.01
BR547	300051	7656293	0.6	2623	116	0.01	0.01	590	0.06	767	158.87	0.02	85	0.01
BR548	299419	7655878	0.01	311	4	0.00	0.01	48	0.00	0.01	10.71	0.00	115	0.01
BR549	299365	7655711	0.01	1953	190	0.02	0.01	9	0.00	254	310.59	0.03	92	0.01
BR550	299128	7655825	0.01	1323	35	0.00	3	276	0.03	70	249.90	0.02	195	0.02
BR551	299016	7655832	0.01	65533	50	0.01	4	640	0.06	1084	333.80	0.03	144	0.01
BR552	299090	7655799	0.6	5436	462	0.05	45	2122	0.21	0.01	869.30	0.09	910	0.09
BR553	298911	7656428	0.01	363	83	0.01	0.01	22	0.00	116	235.62	0.02	574	0.06
BR554	298853	7657225	0.01	1681	45	0.00	0.01	82	0.01	168	399.84	0.04	578	0.06
BR555	298906	7657352	0.01	760	32	0.00	0.01	323	0.03	220	290.96	0.03	58	0.01
BR556	297706	7657966	0.01	973	1161	0.12	0.01	31	0.00	670	772.91	0.08	649	0.06
BR557	299237	7655240	0.01	4475	28	0.00	0.01	39	0.00	271	390.92	0.04	28	0.00
BR558	299248	7655219	0.01	7022	57	0.01	2	803	0.08	1037	112.46	0.01	170	0.02
BR559	299141	7655458	0.01	54961	72	0.01	2	126	0.01	1659	173.15	0.02	23	0.00
BR560	299137	7655476	0.01	60528	32	0.00	0.01	86	0.01	1559	303.45	0.03	11	0.00
BR561	299120	7655493	0.01	61548	60	0.01	3	133	0.01	2103	248.12	0.02	17	0.00
BR562	299113	7655508	0.01	84725	48	0.00	0.01	431	0.04	2002	235.62	0.02	14	0.00
BR563	299750	7654518	0.01	2231	95	0.01	2	152	0.02	98	410.55	0.04	142	0.01
BR564	299752	7654506	0.01	1704	96	0.01	0.01	7355	0.74	447	412.34	0.04	75	0.01
BR565	299797	7654538	0.01	1611	93	0.01	6	1515	0.15	218	339.15	0.03	101	0.01
BR566	299647	7654241	0.9	45882	26	0.00	0.01	2240	0.22	750	353.43	0.04	22	0.00
BR567	299759	7654132	0.01	2259	7	0.00	0.01	429	0.04	59	431.97	0.04	15	0.00
BR568	300027	7654398	0.01	415	202	0.02	0.01	11	0.00	0.01	410.55	0.04	128	0.01
BR569	301558	7652692	1.3	354	909	0.09	0.01	75	0.01	123	192.78	0.02	747	0.07
BR570	301619	7652690	1	312	152	0.02	0.01	103	0.01	0.01	590.84	0.06	1430	0.14
BR572	301665	7652648	0.01	781	352	0.04	0.01	20	0.00	267	701.51	0.07	915	0.09
BR573	301330	7652570	0.7	219	938	0.09	0.01	17	0.00	567	233.84	0.02	302	0.03
BR574	301345	7652533	0.6	212	882	0.09	0.01	10	0.00	291	194.57	0.02	193	0.02
BR575	301333	7652524	0.01	826	699	0.07	0.01	9	0.00	539	271.32	0.03	236	0.02
BR576	301152	7652599	0.01	1781	522	0.05	0.01	10	0.00	174	230.27	0.02	38	0.00
BR577	301080	7652515	0.01	2354	200	0.02	0.01	0.01	0.00	179	239.19	0.02	619	0.06
BR578	301394	7652219	0.01	1493	78	0.01	0.01	27	0.00	244	124.95	0.01	158	0.02
BR579	301418	7652187	0.01	96	120	0.01	0.01	13	0.00	0.01	114.24	0.01	152	0.02
BR580	308859	7644410	0.01	1084	78	0.01	3	65	0.01	236	255.26	0.03	145	0.01
BR581	308852	7644384	0.01	901	30	0.00	0.01	9	0.00	870	342.72	0.03	245	0.02
BR582	309124	7643965	0.01	1794	86	0.01	4	17	0.00	199	339.15	0.03	294	0.03
BR584	309139	7644324	0.01	211	22	0.00	0.01	514	0.05	85	214.20	0.02	58	0.01
BR583	302401	7651885	0.01	363	216	0.02	0.01	10	0.00	358	755.06	0.08	149	0.01
BR585	302333	7651891	0.01	562	135	0.01	0.01	16	0.00	178	217.77	0.02	106	0.01
BR586	302413	7651974	0.01	657	66	0.01	0.01	151	0.02	1657	376.64	0.04	749	0.07
BR587	301273	7651861	0.01	4174	697	0.07	2	21	0.00	660	194.57	0.02	330	0.03
BR588	300051	7652934	0.01	861	73	0.01	48	138	0.01	244	299.88	0.03	358	0.04
BR589	304853	7649843	0.01	321	286	0.03	3	697	0.07	339	290.96	0.03	1994	0.20
BR590	304830	7649865	1.5	347	103	0.01	3	1804	0.18	1025	362.36	0.04	1705	0.17
BR591	304826	7649896	0.01	308	163	0.02	0.01	697	0.07	352	157.08	0.02	677	0.07
BR592	288825	7689125	<b>101.1</b>	137	65769	<b>6.58</b>	9	1067	0.11	960	376.64	0.04	164	0.02
BR593	288823	7689127	2.2	79	3006	<b>0.30</b>	9	4109	0.41	0.01	226.70	0.02	221	0.02
BR594	288984	7688732	0.01	180	31202	<b>3.12</b>	5	734	0.07	74	971.04	0.10	358	0.04
BR595	288985	7688732	1.2	538	20118	<b>2.01</b>	4	93	0.01	107	412.34	0.04	57	0.01
BR596	289154	7688358	3.3	410	281663	<b>28.17</b>	11	54	0.01	785	517.65	0.05	49	0.00
BR597	289157	7688357	3.3	467	106923	<b>10.69</b>	8	32	0.00	190	788.97	0.08	45	0.00
BR598	290340	7689416	1.5	336	4840	<b>0.48</b>	4	658	0.07	1540	351.65	0.04	86	0.01
BR599	290339	7689417	0.01	42	585	0.06	0.01	420	0.04	2896	196.35	0.02	284	0.03
BR600	290823	7686799	0.01	67	182	0.02	0.01	951	0.10	96	371.28	0.04	1733	0.17
BR601	290847	7686788	3.1	42	260	0.03	0.01	6253	0.63	266	315.95	0.03	6969	0.70
BR602	290951	7686741	0.01	162	117	0.01	0.01	347	0.03	933	360.57	0.04	2024	0.20
BR603	290706	7686928	0.01	93	65	0.01	0.01	168	0.02	0.01	362.36	0.04	286	0.03
BR604	290712	7687141	0.01	72	78	0.01	0.01	1354	0.14	180	55.34	0.01	1805	0.18
BR605	290729	7687120	0.01	177	225	0.02	0.01	1014	0.10	209	310.59	0.03	1823	0.18
BR606	290834	7687146	0.01	209	88	0.01	0.01	481	0.05	690	230.27	0.02	1785	0.18
BR607	308323	7639221	0.01	131	461	0.05	15	6692	0.67	70	230.27	0.02	380	0.04
BR608	308335	7639205	<b>59.2</b>	9	102	0.01	0.01	596859	<b>59.69</b>	82680	3.57	0.00	242	0.02
BR609	309610	7639976	0.01	714	306	0.03	0.01	3120	0.31	312	298.10	0.03	19814	<b>1.98</b>
BR610	309616	7639970	3.2	760	1040	0.10	4	34403	<b>3.44</b>	5228	214.20	0.02	27836	<b>2.78</b>
BR611	288776	7689298	0.6	39	52	0.01	5	486	0.05	286	112.46	0.01	1091	0.11
BR612	288778	7689262	0.01	479	65	0.01	2	708	0.07	194	160.65	0.02	854	0.09
BR613	290949	7687046	0.5	130	114	0.01	0.01	845	0.08	233	305.24	0.03	2786	0.28
BR614	290963	7687141	0.01	138	86	0.01	0.01	1207	0.12	288	381.99	0.04	4436	0.44





SampleID	East	North	Ag g/t	Ba ppm	Cu ppm	Cu %	Mo ppm	Pb ppm	Pb%	S ppm	V2O5 ppm	V2O5 %	Zn ppm	
BR615	291012	7686953	0.01	162	67	0.01	0.01	193	0.02	276	296.31	0.03	686	0.07
BR616	291610	7686007	1.4	562	834	0.08	4	525	0.05	0.01	974.61	0.10	5681	0.57
BR617	291609	7686006	0.01	98	163	0.02	0.01	89	0.01	58	98.18	0.01	513	0.05
BR618	291573	7686033	0.01	113	86	0.01	0.01	769	0.08	1668	139.23	0.01	3516	0.35
BR619	291387	7685621	0.01	447	73	0.01	0.01	1401	0.14	178	265.97	0.03	347	0.03
BR620	291302	7685400	0.01	290	354	0.04	0.01	30	0.00	260	367.71	0.04	1945	0.19
BR622	291271	7685327	0.01	489	243	0.02	0.01	22	0.00	221	49.98	0.00	375	0.04
BR623	297184	7674355	<b>17.7</b>	179	60	0.01	0.01	286668	<b>28.67</b>	36424	41.06	0.00	277	0.03
BR624	298357	7661300	0.6	2500	59	0.01	4	640	0.06	312	358.79	0.04	4347	0.43
BR625	298163	7661552	1.2	99	56	0.01	5	8765	0.88	1140	112.46	0.01	25373	<b>2.54</b>
BR626	298168	7661552	0.01	4795	53	0.01	34	236	0.02	178	283.82	0.03	11617	<b>1.16</b>
BR627	298135	7661667	<b>32.7</b>	40	1073	0.11	<b>115</b>	12482	<b>1.25</b>	579	26.78	0.00	1540	0.15
BR628	298117	7661691	5.8	96	3861	0.39	43	3303	0.33	437	32.13	0.00	5848	0.58
BR629	298232	7661073	1.8	137	491	0.05	9	605	0.06	68	310.59	0.03	6697	0.67
BR631	301108	7662846	1.2	238	313	0.03	5	6364	0.64	832	157.08	0.02	3527	0.35
BR632	301102	7662853	0.01	103	130	0.01	3	1405	0.14	81	199.92	0.02	576	0.06
BR633	300112	7662952	5.1	141	848	0.08	15	9653	0.97	23926	1288.77	0.13	944	0.09
BR634	300111	7662953	1.6	97	1938	0.19	10	163380	<b>16.34</b>	387	38654.18	<b>3.87</b>	3981	0.40
BR635	300111	7662952	1.1	741	16	0.00	6	3224	0.32	228	424.83	0.04	62	0.01
BR636	300111	7662952	1.5	1025	176	0.02	4	50927	<b>5.09</b>	76	4351.83	0.44	1196	0.12
BR637	300098	7662958	0.6	1016	85	0.01	4	4858	0.49	623	296.31	0.03	685	0.07
BR638	300089	7662961	<b>71.1</b>	83	27	0.00	3	405671	<b>40.57</b>	46748	126.74	0.01	43	0.00
BR639	300040	7662972	<b>13.6</b>	137	7397	0.74	42	143222	<b>14.32</b>	961	21605.64	<b>2.16</b>	1340	0.13
BR640	300021	7662973	<b>13</b>	152	1338	0.13	9	167096	<b>16.71</b>	1934	46176.17	<b>4.62</b>	2087	0.21
BR641	300016	7662974	13.3	256	188	0.02	4	46837	<b>4.68</b>	681	14778.02	<b>1.48</b>	736	0.07
BR642	300002	7662977	<b>26.7</b>	228	4050	0.41	14	41272	<b>4.13</b>	905	2598.96	<b>0.26</b>	16584	<b>1.66</b>
BR643	299992	7662984	4.8	76	22	0.00	0.01	312963	<b>31.30</b>	384	66169.95	<b>6.62</b>	400	0.04
BR644	299962	7662993	0.8	1259	271	0.03	16	13392	<b>1.34</b>	123	367.71	0.04	6613	0.66
BR645	300130	7662949	<b>22.2</b>	379	117	0.01	6	256224	<b>25.62</b>	367	24852.56	<b>2.49</b>	621	0.06
BR646	300154	7662941	<b>16.8</b>	142	27	0.00	3	296839	<b>29.68</b>	1705	28211.93	<b>2.82</b>	288	0.03
BR647	300172	7662931	7.2	118	567	0.06	10	166418	<b>16.64</b>	799	34418.37	<b>3.44</b>	2691	0.27
BR648	300317	7662871	3.2	174	448	0.04	6	272574	<b>27.26</b>	179	25152.44	<b>2.52</b>	293	0.03
BR649	299754	7663382	17	70	1401	0.14	15	96762	<b>9.68</b>	7431	5976.18	<b>0.60</b>	99465	<b>9.95</b>
BR650	299902	7663391	0.01	1212	69	0.01	8	7880	0.79	290	929.99	0.09	176	0.02
BR651	299802	7663047	<b>30.9</b>	244	122	0.01	14	120247	<b>12.02</b>	6023	226.70	0.02	3515	0.35
BR652	299339	7663174	<b>24.9</b>	92	7363	0.74	13	156886	<b>15.69</b>	24514	248.12	0.02	16125	<b>1.61</b>
BR653	301454	7662032	<b>68.8</b>	117	18968	<b>1.90</b>	<b>112</b>	10000	<b>1.00</b>	80177	24.99	0.00	131	0.01
BR661	296192.5	7663350.8	0.5	579	5.9	0.00	<b>44.9</b>	1840	0.18	0.04	70.69	0.01	43	0.00
BR662	296254.7	7663343.4	0.3	1270	12.1	0.00	7.4	8560	0.86	0.04	93.89	0.01	93	0.01
BR663	295963.5	7663331.8	1.7	2810	28.3	0.00	2.7	7360	0.74	0.03	1479.77	0.15	37	0.00
BR664	295469	7663250.9	<b>34.6</b>	6800	35.8	0.00	2.4	17450	<b>1.75</b>	0.04	44.98	0.00	26	0.00
BR665	295248.2	7663368.1	<b>14.5</b>	1150	75.4	0.01	3.7	5710	0.57	0.08	27.67	0.00	223	0.02
BR666	296946.4	7665731.2	0.3	391	58.4	0.01	1.5	6170	0.62	0.05	56.58	0.01	10	0.00
BR667	297059.3	7665396.4	0.5	338	533	0.05	1.2	9240	0.92	0.19	73.36	0.01	41	0.00
BR668	297051.2	7665403.2	0.3	785	471	0.05	0.5	3240	0.32	0.03	166.36	0.02	136	0.01
BR669	301521.9	7658475.6	0.2	252	40	0.00	0.9	375	0.04	0.02	149.76	0.01	2700	0.27
BR670	301523.2	7658466.2	0.2	345	282	0.03	1.3	338	0.03	0.02	235.62	0.02	29900	<b>2.99</b>
BR671	301521.9	7658443.1	0.1	623	89.3	0.01	1.3	63.8	0.01	0.02	230.27	0.02	14700	<b>1.47</b>
BR672	301521.4	7658428.6	0.1	1010	196.5	0.02	1.4	33.3	0.00	0.04	173.32	0.02	19700	<b>1.97</b>
BR673	301518.1	7658405.4	0.1	856	280	0.03	1.5	74.4	0.01	0.05	202.60	0.02	18300	<b>1.83</b>
BR674	301521.9	7658391.3	0.1	1200	116	0.01	1.6	220	0.02	0.05	230.27	0.02	18950	<b>1.90</b>
BR675	301520	7658509.6	0.1	1180	208	0.02	1.6	556	0.06	0.04	182.07	0.02	31300	<b>3.13</b>
BR676	301521.1	7658559.3	0.1	822	124.5	0.01	1.5	37.4	0.00	0.05	201.71	0.02	24800	<b>2.48</b>
BR677	301523.8	7658585.8	0.1	404	179.5	0.02	1.7	141.5	0.01	0.03	231.16	0.02	24500	<b>2.45</b>
BR678	297035.4	7665506.4	3	60	312	0.03	2.1	47100	<b>4.71</b>	0.54	128.16	0.01	694	0.07
BR679	297262.3	7675394.5	0.4	118	45.5	0.00	4.7	4200	0.42	0.04	257.04	0.03	649	0.06
BR680	297245.1	7675398.6	0.3	153	17	0.00	4.1	3080	0.31	0.02	280.25	0.03	526	0.05
BR681	297299.8	7675447.3	0.1	90	66.4	0.01	1.1	328	0.03	0.04	283.82	0.03	190	0.02
BR682	297292.8	7675474.4	0.2	131	19.5	0.00	0.7	1115	0.11	0.06	232.05	0.02	856	0.09
BR683	297217.2	7675507.9	4.9	138	13.8	0.00	2.7	66500	<b>6.65</b>	0.2	95.50	0.01	98	0.01
BR684	297229.5	7675351.4	0.7	95	69.5	0.01	4.2	5250	0.53	0.05	120.84	0.01	867	0.09
BR685	297270.6	7675183.6	4.5	87	70.5	0.01	2.8	45300	<b>4.53</b>	0.44	27.13	0.00	396	0.04
BR686	297275.9	7675114.2	0.2	77	112	0.01	1.3	624	0.06	0.01	215.09	0.02	777	0.08
BR687	297106	7675249.1	0.2	343	173.5	0.02	1.4	1090	0.11	0.02	589.05	0.06	1455	0.15
BR688	297343.4	7674858.4	25	7	117.5	0.01	<b>207</b>	388000	<b>38.80</b>	4.75	40.52	0.00	7660	0.77
BR689	297344.4	7674875.8	1	140	46.1	0.00	<b>30.2</b>	16450	<b>1.65</b>	0.08	537.29	0.05	542	0.05
BR690	297330.8	7674879.1	<b>44</b>	27	89.5	0.01	<b>2350</b>	302000	<b>30.20</b>	1.24	34.81	0.00	953	0.10
BR691	297340.2	7674889.1	<b>29.1</b>	9	357	0.04	<b>475</b>	327000	<b>32.70</b>	5.16	39.98	0.00	1090	0.11
BR692	297335.6	7674904.5	<b>29.8</b>	11	194	0.02	<b>204</b>	299000	<b>29.90</b>	3.64	22.13	0.00	4290	0.43
BR693	297325.5	7674939.2	2.5	314	28.9	0.00	<b>44.7</b>	29200	<b>2.92</b>	0.18	209.74	0.02	270	0.03
BR694	297316.2	7674939.4	<b>14.1</b>	54	217	0.02	<b>20.6</b>	146000	<b>14.60</b>	0.51	56.58	0.01	1530	0.15
BR696	296076.2	7666963.9	2.5	385	45.5	0.00	9.4	11500	<b>1.15</b>	0.11	26.42	0.00	257	0.03
BR697	295908.1	7667024.6	2.6	874	26.9	0.00	3.2	5090	0.51	0.05	671.16	0.07	43	0.00
BR698	295926.4	7667010.9	1	600	34.1	0.00	3	3510	0.35	0.06	100.32	0.01	98	0.01
BR699	295939.5	7666980.5	1	3180	85.3	0.01	8.6	911	0.09	0.02	54.09	0.01	1730	0.17
BR700	295979.1	7666973.2	0.8	1870	51.2	0.01	2.2	896	0.09	0.03	85.14	0.01	253	0.03



SampleID	East	North	Ag g/t	Ba ppm	Cu ppm	Cu %	Mo ppm	Pb ppm	Pb%	S ppm	V2O5 ppm	V2O5 %	Zn ppm	Zn %
BR701	296097.5	7666824.2	0.4	912	54.4	0.01	1.8	858	0.09	0.05	297.20	0.03	575	0.01
BR702	301934.2	7665646.5	1.4	164	281	0.03	10	21500	<b>2.15</b>	0.21	40.16	0.00	65	0.01
BR703	301928	7665656.6	3.3	134	89.3	0.01	4.1	36800	<b>3.68</b>	0.32	102.46	0.01	479	0.05
BR704	301899	7665734.3	0.7	405	105.5	0.01	8	14650	<b>1.47</b>	0.13	125.49	0.01	396	0.04
BR705	301898.3	7665742.2	1.1	174	59.2	0.01	18.6	23700	<b>2.37</b>	0.27	104.78	0.01	1015	0.10
BR706	301901.4	7665743.1	1	44	33.2	0.00	3.5	19700	<b>1.97</b>	0.31	33.92	0.00	520	0.05
BR707	301564.6	7666864.7	23	32	12600	<b>1.26</b>	6	277000	<b>27.70</b>	1.16	33.20	0.00	1130	0.11
BR708	301568.4	7666858.1	7.7	82	3090	0.31	4.4	122000	<b>12.20</b>	0.15	98.71	0.01	927	0.09
BR709	301570.3	7666842.4	<b>11.4</b>	134	2200	0.22	3.3	251000	<b>25.10</b>	0.13	39.81	0.00	113	0.01
BR710	301548.8	7666943.3	0.5	181	2260	0.23	1.6	5740	0.57	0.03	129.95	0.01	12300	<b>1.23</b>
BR711	301545.9	7666937.4	7.4	251	950	0.10	4.2	70700	<b>7.07</b>	0.17	14.28	0.00	2350	0.24
BR712	301524	7667032	1.8	51	622	0.06	1.8	28500	<b>2.85</b>	0.22	213.31	0.02	8170	0.82
BR713	301538.8	7667012.4	0.2	109	150	0.02	1.9	12150	<b>1.22</b>	0.05	157.26	0.02	406	0.04
BR714	301385.7	7667454.9	9.8	4	894	0.09	4.2	485000	<b>48.50</b>	5.7	260.61	0.03	25	0.00
BR715	301388.2	7667444.4	8.1	12	968	0.10	7.5	211000	<b>21.10</b>	3.32	7.32	0.00	64	0.01
BR716	301394.5	7667418.8	1.3	31	339	0.03	16.2	21600	<b>2.16</b>	0.18	121.56	0.01	188	0.02
BR717	297772.7	7672988.2	0.4	187	157	0.02	3.1	16550	<b>1.66</b>	0.2	149.05	0.01	242	0.02
BR718	297777.4	7672973.8	<b>24.7</b>	22	60.9	0.01	2.2	279000	<b>27.90</b>	1.23	6.07	0.00	64	0.01
BR719	297805.1	7672945.2	2.5	63	8600	0.86	<b>80.4</b>	5840	0.58	0.08	24.99	0.00	778	0.08
BR721	297808	7672941.7	0.3	59	99	0.01	1.4	1550	0.16	0.02	112.63	0.01	244	0.02
BR722	297815.5	7672932.4	1.4	124	390	0.04	8.9	15350	<b>1.54</b>	0.05	59.98	0.01	17250	<b>1.73</b>
BR723	297817.3	7672930.6	<b>11.9</b>	51	481	0.05	7.6	70700	<b>7.07</b>	0.16	8.57	0.00	9150	0.92
BR724	297820.2	7672922.3	5.2	61	608	0.06	12.6	37600	<b>3.76</b>	0.57	11.25	0.00	2670	0.27
BR725	297819.7	7672929.1	0.2	346	56.7	0.01	2.5	1580	0.16	0.01	190.10	0.02	792	0.08
BR726	298650.3	7672101.2	0.3	333	62.9	0.01	4.8	2630	0.26	0.02	138.34	0.01	228	0.02
BR727	300069	7670508.1	0.2	40	2320	0.23	2.1	244	0.02	0.04	59.80	0.01	119	0.01
BR728	300416.3	7669555.3	0.3	109	33.1	0.00	7.6	3310	0.33	0.02	204.38	0.02	287	0.03
BR729	302070.8	7664921.9	0.1	231	63.5	0.01	1.3	968	0.10	0.01	254.36	0.03	861	0.09
BR730	302089.6	7664871.3	0.2	48	303	0.03	1.3	2380	0.24	0.01	227.59	0.02	856	0.09
BR731	302215.1	7663957	0.1	146	55.6	0.01	0.9	167	0.02	0.01	277.57	0.03	1005	0.10
BR732	307845.9	7643665.6	0.2	290	458	0.05	7.4	2800	0.28	0.04	515.87	0.05	1075	0.11
BR733	307847.8	7643666	0.1	65	200	0.02	1.2	397	0.04	0.01	318.62	0.03	7340	0.73
BR734	307851.7	7643666.1	0.2	106	406	0.04	2.4	803	0.08	0.02	387.35	0.04	2310	0.23
BR735	307858.1	7643662.8	0.3	147	311	0.03	2.1	1240	0.12	0.01	410.55	0.04	1840	0.18
BR736	307893.9	7643619	0.1	305	72.5	0.01	1.2	1285	0.13	0.02	362.36	0.04	796	0.08
BR737	307901.8	7643570.4	0.1	44	182.5	0.02	2	1245	0.12	0.01	526.58	0.05	169	0.02
BR738	307910.3	7643555.2	0.6	22	243	0.02	10.4	3370	0.34	0.02	901.43	0.09	786	0.08
BR739	307975.8	7643360.5	3	130	1880	0.19	14.4	15350	<b>1.54</b>	0.04	2552.55	0.26	152500	<b>15.25</b>
BR740	307975.3	7643355	0.2	437	110.5	0.01	2.2	448	0.04	0.02	236.51	0.02	6970	0.70
BR741	307988.6	7643321.2	0.7	970	166.5	0.02	1.6	2100	0.21	0.06	205.28	0.02	9110	0.91
BR742	307991.6	7643316.2	<b>18.8</b>	301	792	0.08	<b>54.7</b>	81100	<b>8.11</b>	0.13	21.24	0.00	130000	<b>13.00</b>
BR743	307990.1	7643316.6	0.7	1080	116.5	0.01	1.3	1790	0.18	0.04	369.50	0.04	11450	<b>1.15</b>
BR744	307992.3	7643318.7	<b>11.3</b>	86	316	0.03	<b>26.1</b>	57500	<b>5.75</b>	0.14	55.34	0.01	3300	0.33
BR745	308012.9	7643279.3	<b>18.9</b>	30	169000	<b>16.90</b>	<b>170.5</b>	18850	<b>1.89</b>	1.01	3.93	0.00	39500	<b>3.95</b>
BR746	308006	7643271.9	0.2	283	556	0.06	2.6	5750	0.58	0.02	200.81	0.02	6290	0.63
BR747	308297.1	7642670	8.4	46	408	0.04	<b>116</b>	31900	<b>3.19</b>	0.55	449.82	0.04	30900	<b>3.09</b>
BR748	308296.1	7642669.5	1	312	7040	0.70	10.4	1065	0.11	0.06	198.14	0.02	5710	0.57
BR749	308464.4	7642342.7	0.1	262	115	0.01	0.7	156	0.02	0.01	204.38	0.02	897	0.09
BR750	308680.4	7641896.7	0.1	679	374	0.04	0.8	204	0.02	0.02	245.44	0.02	5780	0.58
BR751	309100.2	7641170.7	0.1	268	440	0.04	2.2	334	0.03	0.01	189.21	0.02	8920	0.89
BR752	309197.6	7640930	0.2	212	35.6	0.00	3.6	435	0.04	0.02	149.05	0.01	2300	0.23
BR754	309222.2	7640873.7	0.5	305	394	0.04	3.3	6220	0.62	0.04	139.94	0.01	10500	<b>1.05</b>
BR755	309220	7640881.8	0.1	816	118.5	0.01	1.5	280	0.03	0.03	201.71	0.02	6950	0.70
BR756	309430.8	7640306.3	0.4	360	779	0.08	4.3	900	0.09	0.05	153.51	0.02	13050	<b>1.31</b>
BR757	309461.6	7640236.3	0.1	157	55.3	0.01	0.5	34.4	0.00	0.01	232.94	0.02	2150	0.22
BR758	309458	7640247.1	0.5	256	737	0.07	1.3	799	0.08	0.01	191.00	0.02	12250	<b>1.23</b>
BR759	309569.9	7640052.7	0.1	214	89.8	0.01	0.7	253	0.03	0.01	189.21	0.02	17500	<b>1.75</b>
BR760	309581	7640031.6	<b>10.2</b>	13	215	0.02	3.6	3830	0.38	0.02	52.30	0.01	343000	<b>34.30</b>
BR761	309579.3	7640037.1	0.2	114	414	0.04	1.1	975	0.10	0.01	265.07	0.03	15100	<b>1.51</b>
BR762	309696.4	7639803.2	0.1	892	88.9	0.01	0.5	215	0.02	0.03	265.97	0.03	18600	<b>1.86</b>
BR763	309712.8	7639765	0.1	87	231	0.02	0.5	252	0.03	0.01	250.79	0.03	14350	<b>1.44</b>
BR764	310015.4	7639166.1	<b>11.6</b>	147	926	0.09	3.6	42600	<b>4.26</b>	0.09	59.98	0.01	20700	<b>2.07</b>
BR765	310017.2	7639161	0.2	201	48.2	0.00	0.5	1645	0.16	0.01	222.23	0.02	2700	0.27
BR766	309708.3	7639769	0.2	204	1240	0.12	1.4	1065	0.11	0.03	180.29	0.02	175000	<b>17.50</b>
BR767	295870.3	7685020.3	1.9	170	4610	0.46	14.9	3240	0.32	0.03	537.29	0.05	907	0.09
BR768	295872.6	7685021.9	0.7	187	3650	0.37	2.1	621	0.06	0.02	224.02	0.02	256	0.03
BR769	295876.4	7685025.9	2.1	163	5720	0.57	1.1	85.2	0.01	0.02	68.37	0.01	6170	0.62
BR770	295879	7685028.3	1.3	113	25900	<b>2.59</b>	5.4	224	0.02	0.1	97.82	0.01	242	0.02
BR771	295881.4	7685024.5	1.6	82	22700	<b>2.27</b>	9.5	1075	0.11	0.02	392.70	0.04	181	0.02
BR772	295885.7	7685028.8	0.7	72	7200	0.72	1.1	761	0.08	0.01	206.17	0.02	523	0.05
BR773	295882.6	7685033.1	0.6	73	4950	0.50	2.9	1185	0.12	0.01	297.20	0.03	149	0.01
BR774	295878.7	7685042.4	0.4	85	6570	0.66	4.2	292	0.03	0.02	98.71	0.01	207	0.02
BR775	295836.1	7685174.9	0.9	167	3740	0.37	<b>33.5</b>	12700	<b>1.27</b>	0.01	3186.23	<b>0.32</b>	1800	0.18
BR776	296722.6	7684023.1	<b>47</b>	90	47100	<b>4.71</b>	<b>131</b>	142000	<b>14.20</b>	0.21	1640.42	<b>0.16</b>	20700	<b>2.07</b>
BR777	296729.5	7684013.8	<b>137</b>	122	26500	<b>2.65</b>	<b>72.4</b>	319000	<b>31.90</b>	0.17	13030.50	<b>1.30</b>	5690	0.57
BR778	296736.7	7684005.7	<b>38.1</b>	42	42200	<b>4.22</b>	<b>182</b>	161500	<b>16.15</b>	0.36	12138.00	<b>1.21</b>	2040	0.20



SampleID	East	North	Ag g/t	Ba ppm	Cu ppm	Cu %	Mo ppm	Pb ppm	Pb%	S ppm	V2O5 ppm	V2O5 %	Zn ppm	Zn %
BR779	296742.3	7684005.3	4	34	3500	0.35	9.3	18200	<b>1.82</b>	0.02	969.26	0.10	2000	0.20
BR780	296762.9	7683971.2	<b>79</b>	36	86200	<b>8.62</b>	<b>55.3</b>	61200	<b>6.12</b>	0.85	949.62	0.09	1565	0.16
BR781	296787.4	7683932.1	<b>32.3</b>	116	20300	<b>2.03</b>	<b>56.4</b>	41000	<b>4.10</b>	0.19	871.08	0.09	4540	0.45
BR782	290062.1	7690660.8	0.2	224	171.5	0.02	1.2	1980	0.20	0.04	114.95	0.01	5310	0.53
BR783	290042.7	7690696.4	<b>6.5</b>	45	6470	0.65	<b>34.5</b>	9520	0.95	0.11	153.33	0.02	5900	0.59
BR784	290853.7	7687199.1	2.1	49	736	0.07	1.8	3460	0.35	0.04	85.14	0.01	4640	0.46
BR785	290801.6	7687234.3	0.8	59	119.5	0.01	0.5	491	0.05	0.01	160.47	0.02	2040	0.20
BR786	291209.7	7686406.6	1.5	35	529	0.05	2.2	5170	0.52	0.04	216.88	0.02	4270	0.43
BR788	291456	7686147.9	<b>9.8</b>	37	1085	0.11	7.2	1910	0.19	0.99	197.24	0.02	282	0.03
BR789	291462.3	7686160.2	0.8	127	211	0.02	1.8	397	0.04	0.07	159.40	0.02	184	0.02
BR790	291426.7	7686155.5	1.5	18	245	0.02	0.6	3300	0.33	0.03	353.43	0.04	3640	0.36
BR791	296423.1	7678200.5	0.4	91	121	0.01	1.3	200	0.02	0.03	96.39	0.01	633	0.06
BR792	296594.3	7678163.1	1.4	102	153	0.02	3.6	7940	0.79	0.02	1981.35	0.20	98	0.01
BR793	296549.7	7677673	2.8	168	440	0.04	1.8	2660	0.27	0.04	79.61	0.01	247	0.02
BR794	296553.7	7677647.8	3.4	60	147.5	0.01	1.1	15700	<b>1.57</b>	0.07	223.13	0.02	34	0.00
BR795	296575.2	7677614.1	3.9	160	199.5	0.02	12.9	13750	<b>1.38</b>	0.05	88.89	0.01	90	0.01
BR796	296580.2	7677600.3	<b>61</b>	3	1840	0.18	16.2	588000	<b>58.80</b>	8.29	8.93	0.00	85	0.01
BR797	296616.5	7677536.9	0.3	263	90.3	0.01	1	820	0.08	0.02	53.73	0.01	16	0.00
BR799	296726.2	7677297.3	0.2	390	38.5	0.00	0.5	348	0.03	0.02	289.17	0.03	1145	0.11
BR800	296818.2	7677009.3	<b>6.4</b>	41	227	0.02	3.7	61000	<b>6.10</b>	0.94	48.37	0.00	293	0.03
BR801	296822.1	7676983.5	0.1	95	35.2	0.00	0.6	62.3	0.01	0.01	46.95	0.00	1260	0.13
BR802	296823.1	7676979.7	<b>6.8</b>	15	2640	0.26	3.6	90500	<b>9.05</b>	0.17	30.88	0.00	73700	<b>7.37</b>
BR803	296823.8	7676982.7	2.2	32	544	0.05	7	18400	<b>1.84</b>	0.13	64.97	0.01	9270	0.93
BR804	292406.2	7675248.4	0.3	65	561	0.06	2.3	2750	0.28	0.02	162.44	0.02	1925	0.19
BR805	292217.6	7675256.6	0.4	248	1270	0.13	<b>128.5</b>	1630	0.16	0.05	227.59	0.02	3570	0.36
BR806	292302.8	7675649.9	0.9	251	90.9	0.01	2.6	3600	0.36	0.27	98.71	0.01	333	0.03
BR798	302761	7663921.5	0.4	260	177.5	0.02	10	617	0.06	0.05	148.69	0.01	3900	0.39



**Table 2**  
**In Situ pXRF Soil Sampling – Example of Analyses**

Site ID	Easting	Northing	Cu ppm	Zn ppm	Pb ppm	Site ID	Easting	Northing	Cu ppm	Zn ppm	Pb ppm
BBX781	309588	7640000	38.1	315.1	252.4	BBX851	308593	7642074	41.2	412.4	252.9
BBX782	309607	7639974	72.9	904.3	164.6	BBX852	308579	7642099	44.3	327.6	195.3
BBX783	309625	7639945	47.5	180.1	39.3	BBX853	308558	7642124	55.2	363.4	153.2
BBX784	309634	7639927	34.7	119.6	51.6	BBX854	308538	7642150	31.7	143	69.1
BBX785	309644	7639909	45.3	177.3	49.8	BBX855	308530	7642175	38.2	303.9	65.1
BBX786	309651	7639890	64.3	408.6	68.2	BBX856	308523	7642199	48	195.4	58.3
BBX787	309661	7639867	60.2	473.8	167.7	BBX857	308510	7642226	26.9	118.7	71.4
BBX788	309676	7639846	61.2	591.9	116.2	BBX858	308504	7642250	37.5	296.5	100.7
BBX789	309686	7639835	69	700.8	123.5	BBX859	308492	7642275	39.9	214	113.4
BBX790	309683	7639828	51.4	404.2	78.5	BBX860	308481	7642301	64.8	458.2	254.9
BBX791	309704	7639817	60.9	480.9	413.2	BBX861	308473	7642324	72	530.1	193.5
BBX792	309690	7639801	51.8	863.8	216.8	BBX862	308464	7642349	85.6	783.7	258.3
BBX793	309699	7639775	58	886.1	186.4	BBX863	308453	7642373	29.1	201.1	315.9
BBX794	309714	7639751	168.2	983.7	261.4	BBX864	308441	7642401	74.9	248.6	256.2
BBX795	309728	7639724	88.4	470.4	400.1	BBX865	308431	7642426	50.8	222.6	126.1
BBX796	309742	7639697	57.4	331	182.9	BBX866	308415	7642449	81.1	310.2	138.8
BBX797	309762	7639676	55.4	851.2	209	BBX867	308388	7642476	62	380	247.1
BBX798	309768	7639650	49.3	495.6	79.9	BBX868	308379	7642500	59	382.4	156.4
BBX799	309785	7639625	56.4	1283.5	400	BBX869	308363	7642525	78.4	507.6	277.2
BBX800	309802	7639600	45.5	676	665.7	BBX870	308348	7642549	65	397.2	208.7
BBX801	309813	7639574	36	564.3	166.5	BBX871	308337	7642573	31.8	285.5	72.3
BBX802	309825	7639550	56.4	544.2	236.5	BBX872	308329	7642598	26.9	546.5	111.2
BBX803	309841	7639526	45.4	359.9	73	BBX873	308322	7642623	51.4	207.9	162.9
BBX804	309855	7639500	51.1	193.5	88.7	BBX874	308311	7642649	37.5	442	145.9
BBX805	309870	7639476	37.4	107.9	42.2	BBX875	308299	7642673	84.9	2854.3	278.3
BBX806	309884	7639450	62.8	370.6	322.2	BBX876	308287	7642700	39.1	1070.1	366.5
BBX807	309911	7639401	60.4	169	149.3	BBX877	308282	7642725	40.8	346.2	90.8
BBX808	309918	7639378	51	85.4	32	BBX878	308275	7642749	40.9	332.9	91
BBX809	309927	7639351	53.9	166.5	150.2	BBX879	308262	7642766	27	171.7	77.3
BBX810	309929	7639325	55.6	206.5	220	BBX880	308253	7642789	46.8	182.4	247.8
BBX811	309938	7639301	41.5	211	179.3	BBX881	308245	7642810	36.4	166.8	153.3
BBX812	309960	7639273	47.9	363.3	103.1	BBX882	308265	7642827	63.4	367.2	1150.5
BBX813	309971	7639249	53.8	347.9	139.7	BBX883	308258	7642856	79.3	488.7	197.8
BBX814	309983	7639224	32.2	346.3	113.3	BBX884	308276	7642806	45.3	537.1	514
BBX815	310008	7639174	54.6	493.5	249.2	BBX885	308285	7642773	73.1	297.1	135.4
BBX816	310018	7639151	39	640.3	143	BBX886	308247	7642866	35.5	242.3	86.5
BBX817	310028	7639125	48.3	537	103.3	BBX887	308205	7642898	41.9	304.1	107.6
BBX818	310037	7639100	48.4	518.3	324.5	BBX888	308179	7642927	48.6	492.6	363
BBX819	310046	7639074	37.6	112.5	36.6	BBX889	308169	7642946	30.9	203.8	79.2
BBX820	310069	7639049	33.2	175.2	41.1	BBX890	308159	7642976	32	186.8	105.7
BBX821	309016	7641323	41.8	165.3	123.8	BBX891	308174	7642989	34.8	267.8	98.9
BBX822	309010	7641350	40.8	159.6	48.4	BBX892	308160	7643005	18.8	174.5	93.1
BBX823	308989	7641375	42.4	312.7	40.8	BBX893	308148	7643029	26.5	102.9	51.8
BBX824	308979	7641400	33.1	92.7	19.2	BBX894	308136	7643052	42.9	166.8	60
BBX825	308960	7641426	54	96.7	25.8	BBX895	308129	7643074	37.2	137.6	100.9
BBX826	308959	7641450	53.6	496.4	31.3	BBX896	308118	7643099	30.7	153.8	71.1
BBX827	308948	7641474	39.1	173.6	25.9	BBX897	308105	7643128	34	205.4	46.7
BBX828	308925	7641500	37.8	103.8	19.1	BBX898	308086	7643151	36.5	497.7	397.2
BBX829	308922	7641525	51.1	91.2	24.8	BBX899	308062	7643176	34.3	462.4	224.7
BBX830	308912	7641550	35.8	58.9	25.5	BBX900	308048	7643199	53.6	1170.6	237.7
BBX831	308898	7641576	31.8	62.8	23.8	BBX901	308036	7643222	50.3	889.2	816.4
BBX832	308883	7641601	38.3	83.3	26.6	BBX902	308053	7643234	41.9	337.4	81.4
BBX833	308870	7641626	31.3	82	20.6	BBX903	308062	7643215	59	758.4	238.8
BBX834	308855	7641649	30.1	96.9	25.6	BBX904	308041	7643267	47.6	201.5	113.3
BBX835	308836	7641675	58.5	196.1	56.2	BBX905	308036	7643301	31.1	83.2	61.6
BBX836	308818	7641701	25.8	140.2	32.8	BBX906	308030	7643326	34.8	161.1	66.8
BBX837	308812	7641724	29.3	162	31.2	BBX907	308021	7643354	65.4	144.8	81
BBX838	308788	7641750	45.9	182.8	47.1	BBX908	308007	7643381	37.6	162.3	84.1
BBX839	308768	7641775	20	123.4	35.2	BBX909	307988	7643417	43.9	281.3	125.9
BBX840	308745	7641800	39.1	175.6	55.4	BBX910	307955	7643425	74.3	385.9	552.7
BBX841	308723	7641825	28.4	132.7	38.7	BBX911	307964	7643397	97	559.5	460.7
BBX842	308702	7641848	54.9	99.7	58.2	BBX912	307976	7643363	45.7	860.5	278.5
BBX843	308691	7641874	35.4	202.7	128.3	BBX913	307982	7643336	47.7	851.5	440.1
BBX844	308684	7641899	61.4	745.5	500.4	BBX914	307993	7643306	102.9	900.3	824.2
BBX845	308670	7641925	63.7	668.2	188.7	BBX915	308013	7643278	167	1555.3	2673.4
BBX846	308653	7641947	76.4	459.4	253.2	BBX916	308025	7643244	80.1	1014.3	318.3
BBX847	308636	7641975	40.6	296.6	119	BBX917	307975	7643449	33.6	237.4	110.8
BBX848	308624	7641999	45.4	366.1	118.9	BBX918	307971	7643469	58	220.4	79.5
BBX849	308615	7642025	67.2	318.1	636.9	BBX919	307940	7643480	82.5	257.1	223.5
BBX850	308599	7642050	45.1	344.5	169.7	BBX920	307947	7643452	83	420.7	276.1