

WIDESPREAD PEGMATITE-HOSTED LITHIUM AND TIN POTENTIAL OUTLINED AT SOLDIERS CREEK PROJECT, NT

Three new lithium prospects outlined by mapping and sampling at Soldiers Creek, located south of the Bynoe Lithium Field – currently being explored by multiple companies

HIGHLIGHTS

- Results received from maiden mapping and sampling program over the recently granted Soldiers Creek Project, located west of Katherine and south of the Bynoe Lithium Field in the Northern Territory.
- Three new lithium prospects outlined with the Muldiva and Buldiva areas returning:
 - *Rock chip results to 2,235ppm Li₂O, 1,400ppm Ta, 431ppm Cs, and 331ppm Nb;*
 - *800m of strike with anomalous pXRF soil results for Sn, and other Li-related elements;*
 - *Up to 75% SnO₂ (tin) in pan concentrates, with eight samples averaging 52%; and*
 - *Very high tin content in alluvium*
- The Collia area has:
 - *800x1500m of abundant sheeted pegmatite exposed within the Soldiers Creek Granite;*
 - *Rock chip results to 1,636ppm Li₂O, and 632ppm Cs;*
 - *Pan Concentrate tin values up to 54% SnO₂; and*
 - *Highly anomalous REE values in concentrates*
 - *1.22% Ce, 5930ppm Y, 6070ppm La and 4870ppm Nd*
- Further mineralogical work is in progress, prior to planning a 2018 program

Todd River Resources Limited (ASX: TRT) is pleased to advise that it has outlined three extensive pegmatite-hosted lithium prospects with very high tin values at the recently granted Soldiers Creek Project area, located west of Katherine in the Northern Territory (Figure 1).

The Soldiers Creek EL 31209 covers 181 blocks, some 160km to the south of Darwin and west of Katherine. The tenement was granted to Todd River in December 2016, clearing the way for it to undertake the first-ever field program at the project in September.

The tenement covers most of the Wingate Mountain pegmatite district of the Litchfield pegmatite belt within the Pine Creek Orogen of Paleoproterozoic rocks. The Bynoe pegmatite field, which lies to the north, has had significant lithium exploration work conducted on it over the last two years by companies such as Core Exploration (ASX: CXO), Liantown Resources (ASX: LTR), and Kingston Resources (ASX: KSN).



Earlier this year, Core Exploration defined the first Lithium Mineral Resource in the Northern Territory at the Grants Prospect. It has also recently purchased Liontown's tenure in the Bynoe Field for \$3.5 million (cash plus shares), with a further \$1.5 million payable on the definition of a Mineral Resource exceeding 5 million tonnes (see Liontown's ASX release on 14 September 2017).

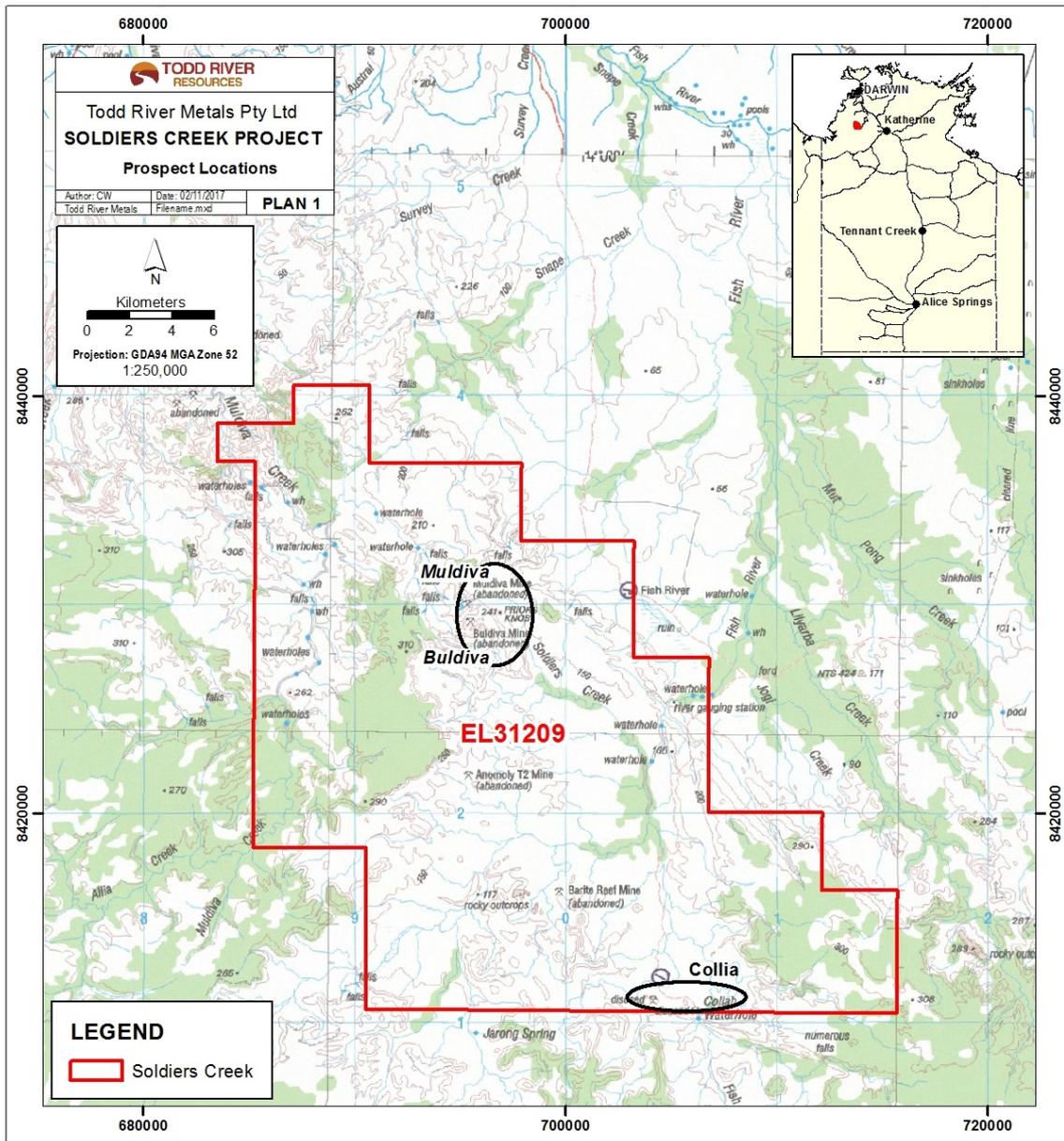


Figure 1. Location of the Soldiers Creek Project, showing the three prospect areas mapped.

Three historical tin mining centres are located on the southern portion of the Wingate Mountain district, and within EL 31209. The Muldiva and Buldiva historical tin mining centres are immediately west of the Fish River homestead, while the Collia (Collah) tin field is near the southern boundary of the licence (Figure 1).

Historical tin and tantalum mining in these areas was predominantly from both alluvial (creek sand) and eluvial (soil) material, with only minor production from pegmatite.



Production resulted in cassiterite (a tin oxide mineral) and a smaller amount of tantalite (Fe-Mn tantalum oxide mineral) concentrates being produced. Recorded historical tin production from these three tin fields was 45.7 tonnes.

Program of Work Completed

Todd River completed an initial program of geological mapping and sampling over the three prospect areas during September. A full assessment of the results received is provided below.

Geological Mapping

Geological mapping was completed over all historical mining areas and covered the extent of the known pegmatite. Collia has the most extensive area of workings and mapping covering an area of 2.5km x 1.5km area for 2.3km² (Figure 2). Buldiva and Muldiva (Figure 3) were combined as the main workings were almost along strike from each other. In total, at Muldiva/Buldiva a strike length of 1,500 metres was mapped.

The country rock over much of the tenement is the Burrell Creek Formation of the Finiss River Group, which forms the western margin sequence of the Pine Creek Orogen. The same sequence hosts many of the Bynoe Sn-Ta-Li pegmatites, some 150km to the north. The Burrell Creek Formation in the mapped areas comprises greenschist facies metamorphosed turbidites – siltstones, phyllites and schists, which have been tightly folded along NW striking axes as part of the Litchfield Event ca. 1850Ma.

The tin and tantalum mineralisation at Collia and Buldiva/Muldiva is genetically and spatially associated with the Soldiers Creek Granite, which crops out along the western side of the tenement and over much of the Collia mining area. It is a differentiated granite forming part of the Allia Creek Suite of peraluminous S-type granites.

Pegmatites bearing tin, tantalum and lithium form a late phase related to the granite intrusion, being focussed at the apical or roof zones of granites where incompatible elements are concentrated both within and exterior to the granite.

Pegmatites comprise mostly: albite and microcline feldspars, quartz, and muscovite. The presence of spodumene has been confirmed (in 20-40% of the pegmatites) on the Bynoe field by Core Exploration's work over the last year. Generally with weathering to moderate depth (5-30+ metres) there is no fresh spodumene identifiable at surface, having, with the feldspars, been weathered to kaolinite clay. Accessory minerals, both in the pegmatites and in proximal altered-granite, include: cassiterite, tantalite, apatite, tourmaline, and fluorite.

At Collia, most of the area with historical mining comprises granite sub-crop with much of the original soil/eluvium layer (up to two metres thick) removed and treated to recover heavy minerals in unconsolidated sand/soil material.

Collia Geology

Geological mapping over a 2.5km x 1.5km area at Collia outlined abundant pegmatites hosted by the Soldiers Creek Granite (Figure 2). To the west and north, Cretaceous and Tertiary sediments mask the prospective package. Historical alluvial mining activity appears to continue further to the south, outside of the tenement. Much of the historical processing of the alluvials appears to have been conducted on the Fish River and at the Collia waterhole, just east of the mapping area.



Figure 4. Collia geological mapping area. Low ridge of pegmatite and aplite.

Within the central granite/pegmatite area, which has seen the most historical mining activity, outcrop is variable. Low hills are generally crested by aplitic or pegmatitic dykes and mostly strike north-east or NNE.

Granite is exposed on hill flanks, and in creek exposures, and elsewhere there is a thin (<1m thick) residual granitic “grus” soil. Most exposures are only weakly to moderately weathered, and the weathering depth appears quite thin (a few to several metres).

Pegmatites rarely exceed two metres thickness, but are abundant and frequently occur in sheeted sub-parallel swarms trending to the NNE or north-east, and dipping shallowly to the north-west. Several small (to 200m long) outcrops of the Burrell Creek Formation occur over the area, indicating that the whole area is on the granite stock roof (pendant zone), where the most fractionation would have occurred.

The area mapped is the extreme southern extent of the Soldiers Creek Granite. It is wrapped and bound, to the west and south, by the regional Collia Fault. Historical mining has covered a significant area, some 1500m x 1200m. The area has ca. 20m of topography, with low ridges of reasonably fresh aplite/pegmatite/granite (Figure 4), flats with grus and thin (<1m) soils on weathered granite, and broad shallow creek lines with up to two metres of alluvium on basement outcrop.



There are several shallow creek lines up to 1km long traversing the area between the Fish River to the east and a tributary to the west.

Mining appears to have been undertaken by front-end loader/excavator where all the alluvium was taken for processing from most of the creek lines in the area. Processing would have been via a screen and scrubber/trammel, and then heavy mineral collection by jigs and/or spirals.

Buldiva/Muldiva Geology

Both areas were mapped and have the main hard-rock target being a north-west striking pegmatite body which crops out intermittently for 600m at Buldiva (Figure 3) and over some 100m at Muldiva (Figure 5).

There is a 150m offset between the strike of the two pegmatite zones, coinciding with an area of Cretaceous sandstone cover, with the Muldiva trend to the north-east of the strike line at Buldiva. This trend is open to both the north, where it goes under further Cretaceous cover, and to the south.

The pegmatites noted are steeply-dipping, lenticular, up to 10m thick, and are predominantly quartz-muscovite types, with lesser amounts of feldspar noted (Figure 6). In addition to the main pegmatite line there are several smaller pegmatite and aplite zones (<1m thick) mapped, within a broad ca. 150m wide and 1500m long corridor.

Pegmatite preferentially intrudes the less competent Burrell Creek Formation lithologies – phyllites and pelitic units. The far northernmost exposure of the Soldiers Creek Granite occurs some 150 metres to the west of the gap between Buldiva and Muldiva (Figure 3). A major sub-parallel fault to the east of the workings divides the Burrell Creek Formation from the younger Depot Creek Sandstone.

Despite diggings up to 2m deep on pegmatite, essentially all mining from these two areas was of alluvium. Here the topography was greater with steep slopes and well defined narrow creeks containing only a modest alluvial load. Downslope/downstream material from all pegmatite outcrops appears to have been processed.

There are three creek tributaries at Buldiva and a single creek line at Muldiva with evidence of mining. The amount of mined material would be considerably lower at Buldiva/Muldiva, compared to Collia.



Figure 5. Mapping and sampling at the Muldiva Prospect area, Soldiers Creek.



Figure 6. Part of the historic workings at the Buldiva Prospect area, Soldiers Creek.



Sampling Program

105 rock chip samples were collected and submitted for laboratory analysis while mapping progressed over the tenement. All areas of workings and the surrounds were soil sampled using a portable XRF unit, for 1080 analyses. A further 32 -80 mesh soil samples were submitted for laboratory analysis. 5-20kg of creek alluvium (8 from Buldiva, 1 from Muldiva, and 13 from Collia) was collected and then panned to generate a pan concentrate for analysis.

Details of the sampling procedures can be found in Appendix A, while results for relevant elements are tabulated in Appendix B.

Rock Chip Sampling

48 rock chip samples from the combined Buldiva and Muldiva area (Figure 3) were submitted for analysis along with 57 from Collia (Figure 2). 1-4kg rock samples were analysed at ALS for a lithium suite of elements by Na₂O₂ fusion and ICP-MS finish (details in Appendix A).

Significant lithium assays include a 2235ppm Li₂O result at Buldiva and a maximum value of 1636ppm Li₂O at Collia. Support with the lithium is outlined in Table 1. Elevated values for caesium (Cs), niobium (Nb) and tantalum (Ta) in over 40 samples confirm that all pegmatite is of the highly prospective LCT (Lithium-Caesium-Tantalum) type. Results from other trace and major elements, such as elevated Rb, Sn, P, confirm this interpretation.

Table 1. Maximum rock chip samples results for pegmatite related elements.

ROCK CHIP SAMPLING	Maximum Values			
	Li ₂ O (ppm)	Cs (ppm)	Nb (ppm)	Ta (ppm)
Buldiva/ Muldiva	2235	431	331	1400
Collia	1636	632	135	<100

Soil Sampling

Soil samples over the three prospect area were analysed with portable XRF (pXRF), for a total of 1080 analyses. Samples were of B horizon soil directly onto the ground surface at spacings of 25m along lines on lines 100m or 50m apart. Samples were determined on SOIL Mode with a 60 second read time. At Collia 729 analyses were obtained over a 2.0 sqkm area (Figure 7). At Buldiva/Muldiva an area of 0.4 sqkm was covered with 351 analyses (Figure 8).

The Olympus Delta pXRF unit used does not analyse lithium, but several pegmatite-related elements can be determined and were used for anomaly and lithochemical discrimination mapping of the areas of Sn-Ta-Li pegmatite.

Results (Appendix B) show the areas of pegmatites clearly outlined by >75ppm tin (Sn) results, as shown in Figures 7 and 8. At Collia, an area of 1800m x 800m was anomalous at the 75ppm Sn threshold, a total of 219 samples or 30% of the dataset for the area.



800m of strike was anomalous at Buldiva and 150m at Muldiva, at the same threshold. There is broad but patchy support in the pXRF data from Nb and Ta, as would be expected of these incompatible elements.

The 32 -80 mesh soil samples submitted to ALS were analysed for the same suite as the rock samples and broadly corroborated the pXRF values, if with minor variations in background/threshold values. The pXRF dataset has a much smaller sample size, and so is less representative and therefore suffers with more variable results.

Pan Concentrate Sampling

A total of 22 pan concentrate samples were collected, weighed, and then concentrated by panning (Figure 9) till a 10-150g concentrate was formed – one from Muldiva, eight from Buldiva and 13 from the Collia area. All were taken from active creek and non-trap sites. This was analysed by the same suite of elements as the rock samples, with results shown on Figures 2 and 3 and Appendix B.

Samples from **Buldiva** had abundant cassiterite (SnO_2) in the pan concentrates, with eight samples containing more than 20% cassiterite, in fact, the only other sample was taken from a creek that did not drain from the pegmatite area. The **eight samples averaged 51.5% SnO_2** , with the highest value being **74.65% SnO_2** in concentrate.

Collia also had good high-grade tin-in-concentrate, not surprisingly given most of the creeks had been mined for cassiterite, with some lower values likely due to the removal of ore sands. Values ranged up to **54.21% SnO_2** , with four above 20% SnO_2 , and averaged 17% SnO_2 in concentrate.

The sands from Buldiva and Collia have a calculated sand content that is likely to be, for any reasonable tonnage, economic, with Collia still having significant tonnage potential.

Average Tin Content

Buldiva	0.196% SnO_2 in alluvial material sampled
Collia	0.012% SnO_2 in alluvial material sampled

Note: Average of the 8 and 12 samples (respectively) that drain areas of pegmatite. These values are not intended to represent grade values, and no Mineral Resource has been determined.

While poorly recorded, historical alluvial tin mining in the Northern Territory had average mined grades in the range of 0.01 to 0.02% SnO_2 . Compared to these values the Buldiva creek sands are very high grade.

Muldiva has a small pegmatite outcrop and a single creek with minimal alluvial load. The only alluvial sand sample able to be collected was taken some 400m down stream and had low cassiterite content. None of the lithium-bearing minerals will persist into alluvial material, as they break down to clays, which get eroded and washed away.

Intriguingly, most of the **Collia** pan conc. samples returned **highly anomalous rare earth element (REE) values**, particularly the light REE. Maximum values of 12200ppm (1.22%) Cerium (Ce), 5930ppm yttrium (Y), 6070ppm lanthanum (La), and 4870ppm neodymium (Nd) highlight the area (Figure 10).



A REE-bearing mineral, such as monazite, allanite or xenotime, must be common in the Collia alluvium, having been derived from the decomposition of the underlying pegmatite and granite. Additional analyses and mineralogical determination work is ongoing.

Discussion

A relatively quick and cost effective program of mapping and sampling by Todd River at the Soldiers Creek project has outlined three areas of lithium-bearing pegmatites, in an area that has had no previous work focused on lithium.

The existing tin mining activity provides a focus and indicates potential size of the lithium-bearing pegmatite system being greater in the vicinity of Collia.

The elevated REE values also suggest the pegmatites could be of either REE-type, and offer another avenue for further work.

Next Steps

Additional analyses are awaited (XRD mineralogy) and petrographic and mineralogical will be done on the samples obtained during this field program, to confirm the lithium and rare-earth minerals present. Once assessed, follow-up work will be planned for early in the 2018 dry season.

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10 November 2017



Figure 9. Pan concentrate from the Buldiva prospect area, with abundant cassiterite (black grains).

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Competent Person Statement

The information in this report that relates to Exploration Results is based on, and fairly represents, information and supporting documentation compiled by Exploration Manager Mr Kim Grey B.Sc. and M. Econ. Geol. Mr Grey is a member of the Australian Institute of Geoscientists, and an employee of Todd River Resources Limited. Mr Grey 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 Grey consents to the inclusion in the report of the matters based on his information in the form and context in which it appear.



Forward-Looking Statements

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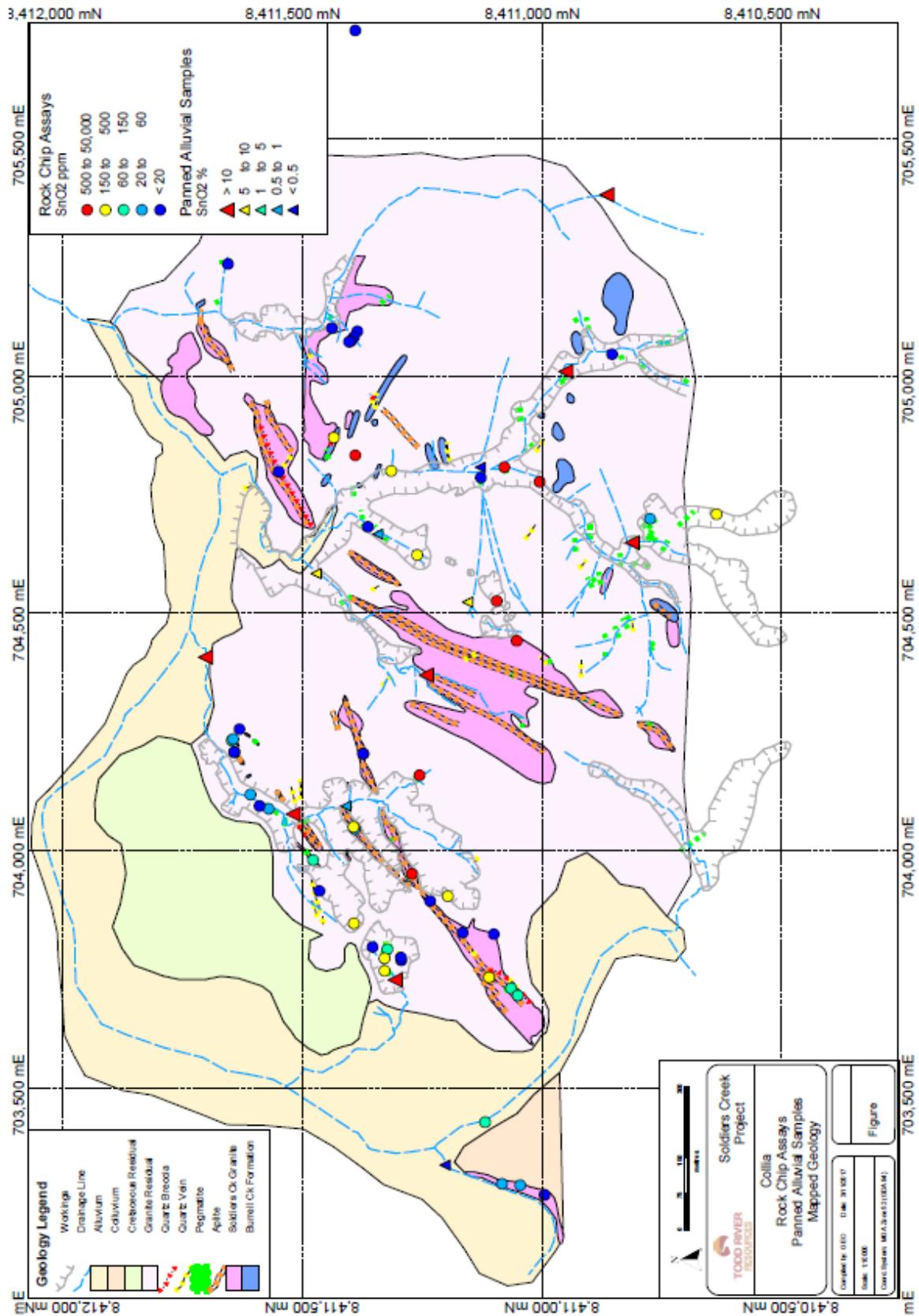


Figure 2. Collia area geological mapping showing rock chip and pan concentrate sampling tin (Sn) results.

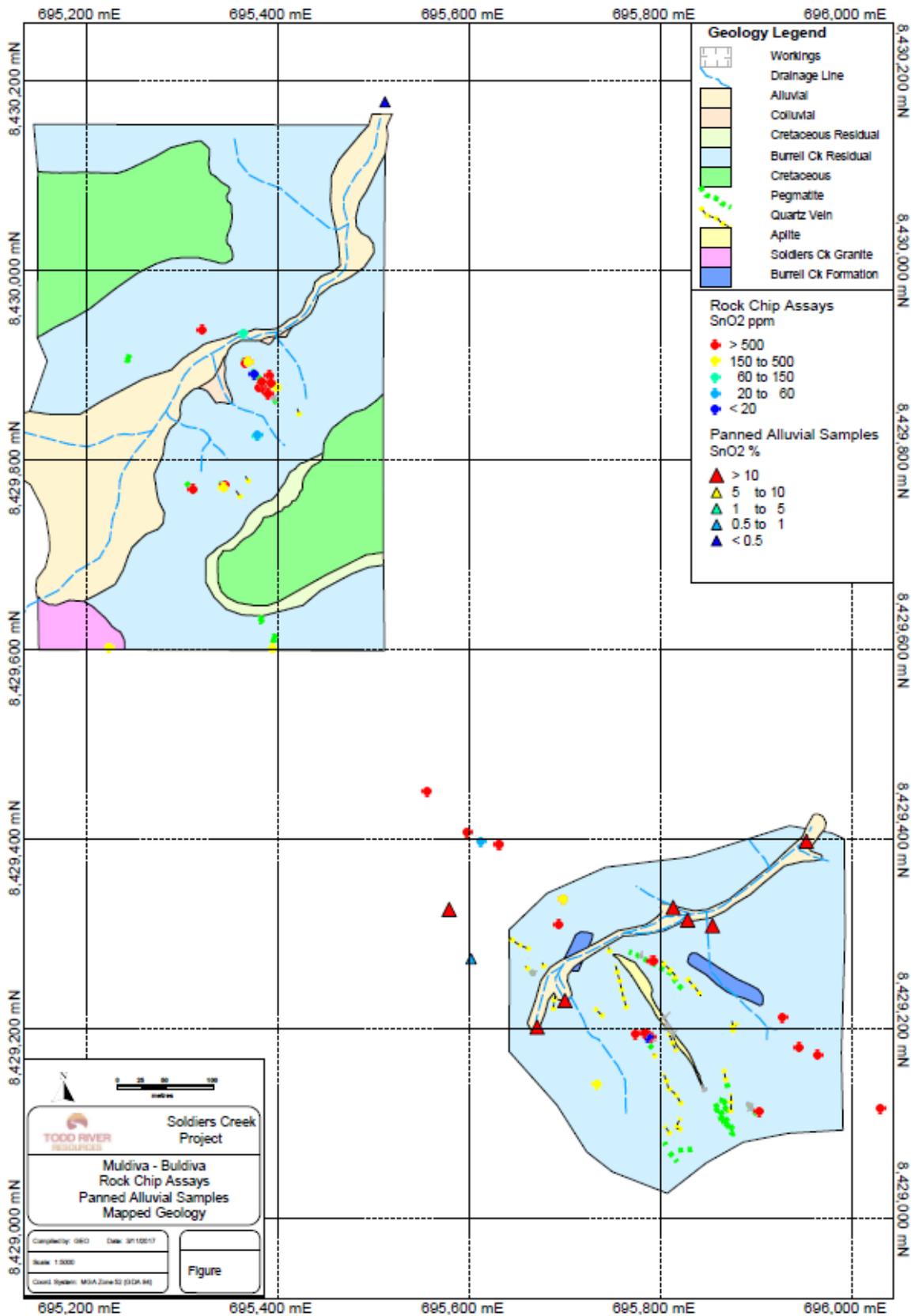


Figure 3. Buldiva and Muldiva area geological mapping showing rock chip and pan concentrate sampling tin (Sn) results.

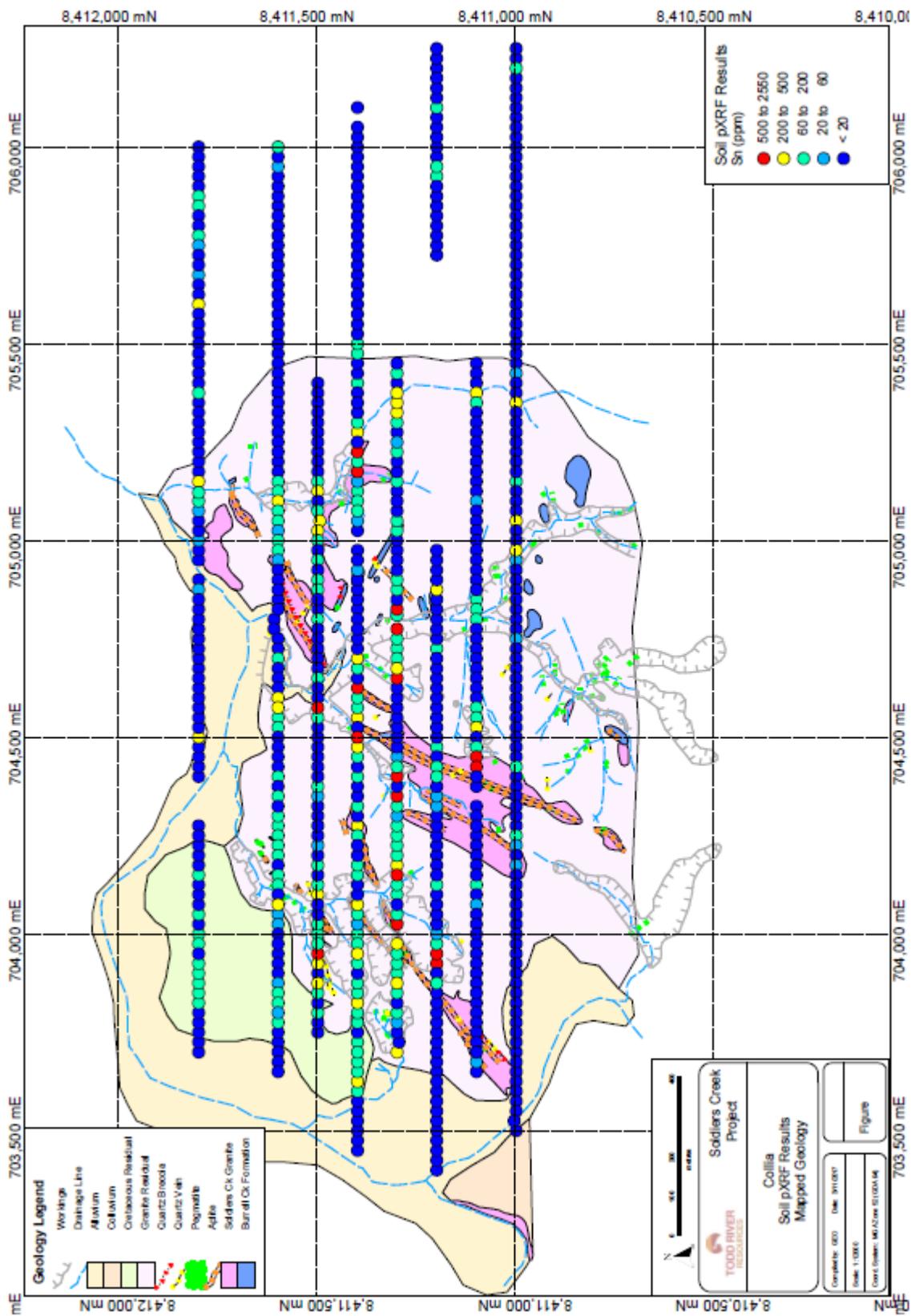


Figure 7. Collia area. pXRF soil sampling tin (Sn) results.

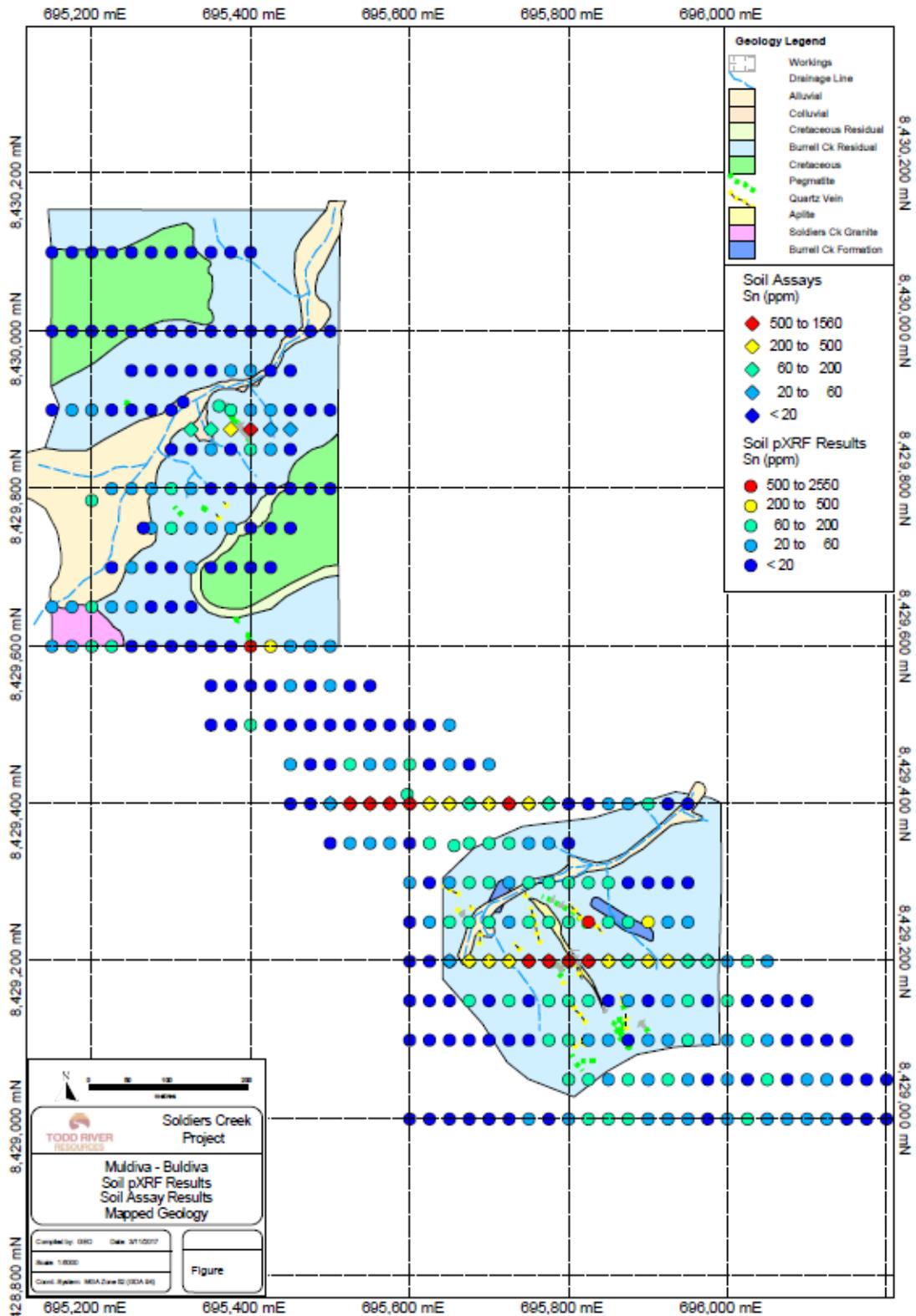


Figure 8. Buldiva and Muldiva area. pXRF soil sampling tin (Sn) results.

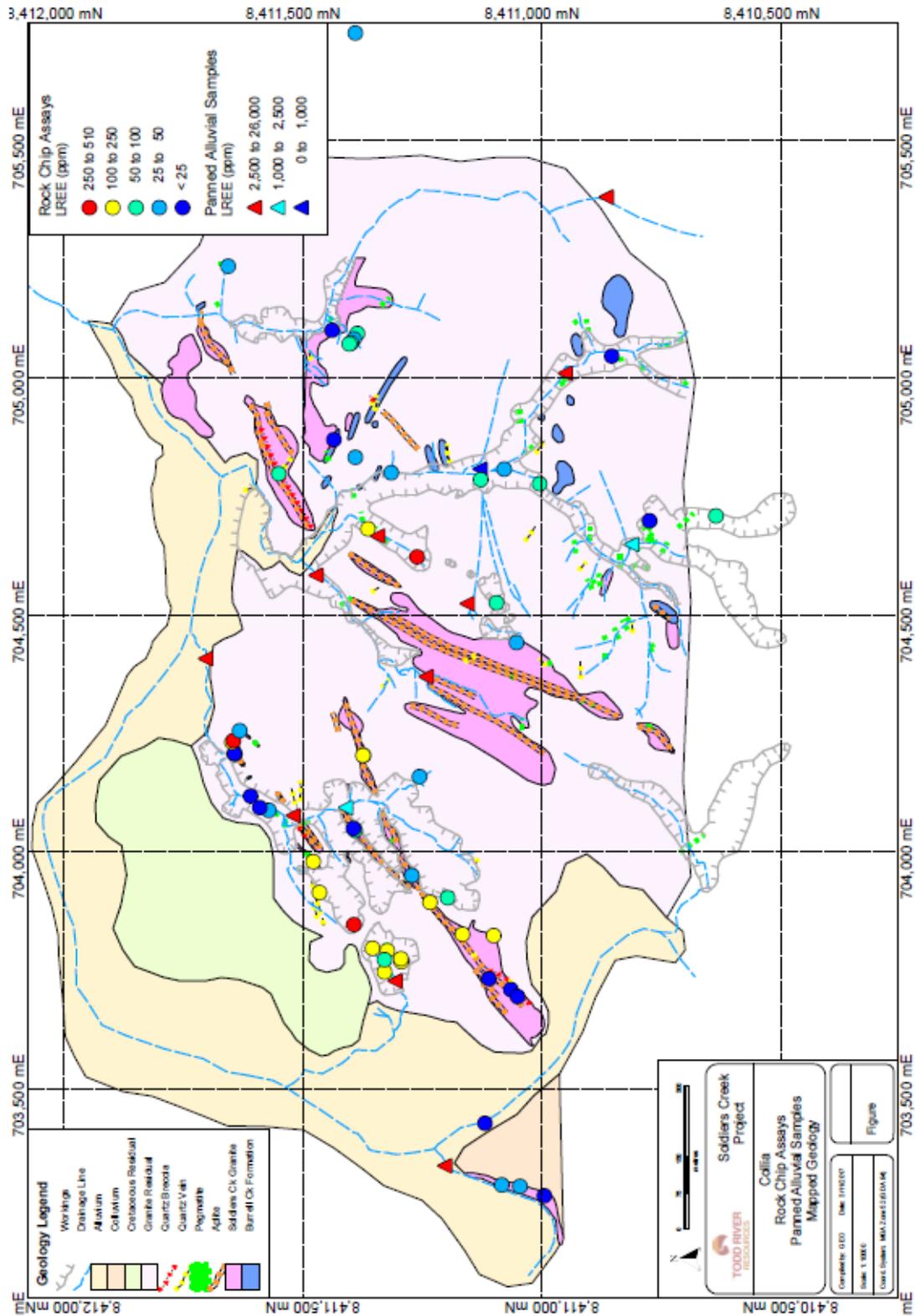


Figure 10. Collia area showing rock chip and pan concentrate sampling Light Rare Earth Element (LREE) results. LREE = Lanthanum (La) + Cerium (Ce) + Praseodymium (Pr) + Neodymium (Nd) + Samarium (Sm) + Europium (Eu).



Appendix A - JORC Table One - Sampling Techniques and Data

Soldiers Creek – Rock Chip, pXRF Soils and Pan Concentrate Sampling

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (eg 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. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report.	B-horizon material was analysed by an Olympus Delta Professional portable XRF unit in the field. Sample sites were determined by GPS position. No sample preparation was conducted other than removing the A-horizon organic surface layer (up to 1 cm thick). 5-10kg alluvial samples were panned on site to a concentrate being 15-150g for analysis. 1-4kg Rock Chip samples taken. All samples submitted to ALS with industry standard crushing (rocks only) and pulverisation (>90% <75um).
Drilling techniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).	Not relevant
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. 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.	Not relevant
Logging	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. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged.	Soil sampling and pan concentrate sites were described briefly for: regolith type and lithology (if seen). Rock samples had a full geological description recorded. All logging was qualitative.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. 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. Whether sample sizes are appropriate to the grain size of the material being sampled.	All pXRF soil samples were of dry soil material dominated by fines (silt and clay material). No sub sampling was conducted. No field duplicate readings were taken. Standard samples (Certified for lithium, AMIS340, 341, and 342) and Blank samples (GLG312-2) were inserted into all sample batches. In total 55 standard determinations were made, along with 11 Blank analyses. Results were acceptable. Orientation soil sampling lines were conducted in all three areas to allow comparison of pXRF data with laboratory soil results. Results were broadly comparable and allowed anomalous thresholds to be determined in the pXRF data. Given the sample medium and the results of the orientation surveys the pXRF sample material is considered appropriate for the grain size and representative of the material sampled.



Quality of assay data and laboratory tests	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. 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. Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	The Olympus Delta Professional pXRF unit was on GEOCHEM Mode with a 60 second read time (30 seconds beam 1 and 30 seconds beam 2). Three certified lithium standards and a certified blank sample were analysed during pXRF soil sampling, at a rate of 1 in 16 samples. Standards used were AMIS-340, AMIS-341, and AMIS-342, together with Blank GLG312-2. pXRF results for the standards and the blank were acceptable, and no calibration factors have been applied. The same standard and blank samples were inserted into the batches submitted for laboratory analysis – rock chip, -80 mesh soil, and pan concentrate – at a rate of between 1 in 10 and 1 in 25. Results for these standards were acceptable. Given the above QA/QC work the pXRF soil data is considered to have acceptable levels of accuracy and precision for the elements of interest.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data.	Sampling was conducted by the field geologists and field assistants, under the supervision of the exploration manager. All data was entered into standardized spreadsheets on field laptops and uploaded into the company Access database. No adjustments have been made to the primary assay data
Locations of data points	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. Specification of the grid system used. Quality and adequacy of topographic control.	All sampling locations were located up using a standard GPS unit to an accuracy of ca. 3-5m for Easting, Northing and RL. All coordinate data for the Soldiers Creek project are in MGA_GDA94 Zone 53.
Data spacing and distribution	Data spacing for reporting of Exploration Results. 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. Whether sample compositing has been applied.	Sampling was of an exploratory and reconnaissance nature and spacings are insufficient to establish continuity or define Mineral Resources.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. 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.	Samples were point sampled and so do not relate to the orientation of the mineralisation noted.
Sample security	The measures taken to ensure sample security.	All samples were under company supervision at all times prior to delivering to ALS laboratories in Alice Springs.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	See above note on the orientation soil lines – to compare pXRF and laboratory data. No sampling audits have been conducted at the Soldiers Creek project to date.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties,	The Soldiers Creek Project is located on tenement EL 31209 held by 100% Todd River Metals Pty Ltd, which is wholly-owned subsidiary of Todd River Resources Limited.



land tenure status	native title interests, historical sites, wilderness or national park and environmental settings. 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.	The tenement is in good standing with no known impediments.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	All significant previous work is outlined in NTGS open file reports and in the Todd River Prospectus dated January 2017 and the independent Geologist's report therein. All work conducted by TRT is included here.
Geology	Deposit type, geological setting and style of mineralisation.	In all three mapped prospect areas the target is lithium, accumulated in LCT type pegmatite associated with the Soldiers Creek Granite. This model has been confirmed by the work conducted and reported here, but further work is required prior to any quantification of lithium potential.
Drill hole Information	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"> o Easting and northing of the drill collar o Elevation of RL (Reduced Level – elevation above sea level in metres) of the drill collar o Dip and azimuth of the hole o Down hole length and interception depth o Hole length 	Not relevant
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. 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. The assumptions used for any reporting of metal equivalent values should be clearly stated.	No aggregation or averaging was conducted on the data reported here.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	The true orientation (dip and strike) of the mineralisation noted at surface is not well defined. At Buldiva/Muldiva the pegmatite is steep dipping, while most of the pegmatites at Collia are dipping shallowly to the NW. All data presented here is point data and no widths are reported.
Diagrams	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.	See Figures 1, 2, 3, 7, 8, and 10.
Balanced reporting	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.	All rock, pan conc, and pXRF soil data results are plotted on Figures 2, 3, 7, 8 and 10. See Appendix B for full assay listings of the rock chip and pan concentrate data.
Other substantive exploration data	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.	No substantial new information is available other than that reported above.
Further work	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and	Mineralogical work is continuing, prior to planning a program for the 2018 field season.



future drilling areas, provided this information is not commercially sensitive.



Appendix B – Sample Results
Rock Chip and Pan Concentrate Samples
Pan Concentrate Data

Coordinates are MGA94 Zone53

SampleID	Prospect	Easting	Northing	SnO2_%	Ce_ppm	La_ppm	Nd_ppm	Pr_ppm	Sm_ppm
SCA01	Buldiva	695579	8429326	68.56	13.2	6.08	6.44	1.42	1.77
SCA02	Buldiva	695602	8429274	0.93	29.2	11.5	13.1	3.2	3.59
SCA03	Buldiva	695813	8429328	74.65	13.6	5.52	6.32	1.61	1.62
SCA04	Buldiva	695700	8429230	24.69	34.3	15.45	15.3	3.9	5.33
SCA05	Buldiva	695671	8429202	35.42	44.3	19.45	19.4	5.6	8.97
SCA06	Buldiva	695828	8429315	44.56	29	12.9	12.6	3.43	6.02
SCA07	Buldiva	695854	8429309	41.26	33.6	16.35	14.25	3.95	4.51
SCA08	Buldiva	695952	8429398	73.00	10.5	5.3	4.48	1.29	1.18
SCA09	Muldiva	695512	8430177	0.27	18	8.74	8.14	2.13	1.97
SCA10	Collia	704648	8410812	28.44	956	517	356	102	77.7
SCA11	Collia	705009	8410951	54.21	1425	680	497	148	115.5
SCA12	Collia	704093	8411410	0.57	721	325	294	84.6	59.5
SCA13	Collia	703727	8411307	12.51	6420	2990	2480	714	551
SCA14	Collia	704076	8411520	15.17	1285	573	518	148	112
SCA15	Collia	704369	8411242	33.77	3740	1750	1405	409	307
SCA16	Collia	704523	8411156	8.18	7350	3480	2750	789	600
SCA17	Collia	704807	8411129	0.29	450	213	174.5	50.9	31.1
SCA18	Collia	704666	8411343	0.90	1920	842	718	201	150.5
SCA19	Collia	705381	8410865	44.94	3370	1480	1260	369	275
SCA20	Collia	704583	8411472	6.47	12200	6070	4870	1385	1135
SCA21	Collia	704407	8411703	19.42	8510	3880	3290	944	732
SCA22	Collia	703337	8411203	0.17	1595	753	606	168.5	128



Appendix B – Sample Results Rock Chip Sample Data

SampleID	Easting	Northing	Medium	Lithology	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cs ppm
SC170201	695366	8429902	Rock Chip	Pegmatite	5	<4	16	8.8	0.2	0.1	<0.8	3.5	0.7	392
SC170202	695381	8429876	Rock Chip	Pegmatite	5	<4	57	7.7	0.4	0.1	<0.8	2	1.4	96.2
SC170203	695387	8429873	Rock Chip	Pegmatite	6	10	81	7.7	0.5	0.1	<0.8	8.3	1.5	171
SC170204	695390	8429870	Rock Chip	Phyllite	5	<4	819	10.5	0.4	<0.1	<0.8	98.9	1	389
SC170205	695390	8429869	Rock Chip	Pegmatite	5	<4	91	7.8	0.1	<0.1	<0.8	5.1	<0.5	267
SC170206	695399	8429876	Rock Chip	Aplite	5	12	297	3.4	0.4	0.1	<0.8	86.5	0.8	112
SC170207	695393	8429881	Rock Chip	Pegmatite	5	5	52	7.5	0.3	<0.1	<0.8	3.3	0.9	108
SC170208	695384	8429882	Rock Chip	Pegmatite	<5	6	55	7.7	0.2	<0.1	<0.8	7.1	0.9	107.5
SC170209	695391	8429889	Rock Chip	Pegmatite	5	11	191	10.5	0.2	<0.1	<0.8	38.7	0.6	171.5
SC170210	695393	8429881	Rock Chip	Pegmatite	6	5	164	7.9	1.7	0.1	<0.8	18.9	0.8	431
SC170211	695378	8429825	Rock Chip	Aplite	<5	11	234	4.1	0.5	0.1	<0.8	66.5	0.5	39.9
SC170212	695379	8429826	Rock Chip	Aplite	<5	16	195	1.8	0.3	0.1	<0.8	59.2	0.7	12.3
SC170213	695787	8429195	Rock Chip	Pegmatite	7	111	18	12.7	0.7	0.1	<0.8	6.3	0.8	316
SC170214	695790	8429191	Rock Chip	Pegmatite	<5	13	17	8.2	0.5	0.1	<0.8	4.3	0.5	287
SC170215	695787	8429191	Rock Chip	Aplite	<5	17	60	1	0.6	0.1	<0.8	24.1	0.6	8.8
SC170216	695783	8429196	Rock Chip	Pegmatite	<5	<4	23	7.7	0.3	0.1	<0.8	5.1	0.6	286
SC170217	695774	8429194	Rock Chip	Pegmatite	<5	10	14	7.9	0.3	0.1	<0.8	3.4	<0.5	276
SC170218	695791	8429272	Rock Chip	Pegmatite	<5	9	10	6.8	0.2	0.1	<0.8	1.2	0.6	231
SC170219	695792	8429272	Rock Chip	Pegmatite	5	11	13	6.5	0.3	0.1	<0.8	2.8	0.8	214
SC170220	695631	8429394	Rock Chip	Pegmatite	<5	53	533	6.2	0.4	0.1	<0.8	24.3	0.6	133.5
SC170221	695631	8429394	Rock Chip	Quartz Vein	<5	34	236	6	0.4	0.1	<0.8	7	0.5	148
SC170222	695631	8429394	Rock Chip	Pegmatite	<5	24	280	7.9	0.4	0.1	<0.8	6.3	0.6	165.5
SC170223	695612	8429397	Rock Chip	Quartz Vein	5	7	18	<0.4	1.6	0.1	<0.8	0.9	<0.5	4.5
SC170224	695598	8429407	Rock Chip	Pegmatite	<5	35	189	9	0.5	0.1	<0.8	30	<0.5	192.5
SC170225	695598	8429407	Rock Chip	Quartz Vein	<5	10	135	1.3	2.3	0.1	<0.8	69.8	<0.5	29.4
SC170226	695598	8429407	Rock Chip	Pegmatite	5	20	34	8.9	0.5	0.1	<0.8	7.4	0.8	236
SC170227	695556	8429450	Rock Chip	Pegmatite	5	15	179	7.1	0.3	0.1	<0.8	15.3	0.8	168
SC170228	695698	8429337	Rock Chip	Pegmatite	6	14	41	8.5	0.5	0.1	<0.8	5.4	1	214
SC170229	695698	8429337	Rock Chip	Quartz Vein	<5	6	27	0.5	7.5	0.1	<0.8	4.5	0.5	10.2
SC170230	695693	8429310	Rock Chip	Pegmatite	<5	14	83	9.7	1	0.1	<0.8	14.8	1.5	179.5
SC170231	695944	8429181	Rock Chip	Pegmatite	<5	10	48	7.4	0.3	0.1	<0.8	10.8	<0.5	194
SC170232	695927	8429212	Rock Chip	Pegmatite	<5	4	18	8.5	0.3	0.1	<0.8	4.1	1.2	235
SC170233	695964	8429173	Rock Chip	Pegmatite	<5	27	16	8.7	0.4	0.1	<0.8	4.2	1.3	283
SC170234	696030	8429116	Rock Chip	Pegmatite	<5	13	41	8	6.5	0.1	<0.8	32.8	1.5	261
SC170235	695902	8429113	Rock Chip	Pegmatite	<5	10	33	6.1	0.2	0.1	<0.8	10.3	0.6	198.5
SC170236	695733	8429142	Rock Chip	Pegmatite	<5	6	23	4.2	0.4	0.1	<0.8	5.3	0.8	55.5
SC170237	695369	8429903	Rock Chip	Pegmatite	<5	397	41	9	0.3	0.1	<0.8	5.1	2.7	209
SC170238	695369	8429903	Rock Chip	Schist	<5	13	692	7.7	0.4	0.1	<0.8	94.7	1.4	157.5
SC170239	695369	8429903	Rock Chip	Pegmatite	<5	17	88	7.8	0.2	0.1	<0.8	17.7	1	280
SC170240	695369	8429903	Rock Chip	Psammite	<5	20	299	4.1	0.2	0.1	<0.8	97.7	1.2	49.3
SC170241	695375	8429890	Rock Chip	Pegmatite	<5	5	33	6	0.1	0.1	<0.8	5.4	2.1	195
SC170242	695345	8429773	Rock Chip	Pegmatite	<5	180	216	6.3	0.6	0.1	<0.8	16.4	0.7	64.2
SC170243	695343	8429771	Rock Chip	Siltstone	<5	25	461	4.7	0.4	0.1	<0.8	61	0.5	145
SC170244	695311	8429769	Rock Chip	Pegmatite	<5	17	26	9.5	0.3	0.1	<0.8	7.3	1.1	205
SC170245	695224	8429602	Rock Chip	Granite	<5	5	87	3.2	0.2	0.1	0.8	48	0.8	68.4
SC170246	695364	8429933	Rock Chip	Quartz Vein	5	28	90	2.1	19.6	0.1	<0.8	23.8	0.8	59
SC170247	695321	8429937	Rock Chip	Pegmatite	<5	7	12	6.8	0.1	0.1	<0.8	2.2	0.9	114.5
SC170248	695395	8429601	Rock Chip	Quartz Vein	<5	<4	42	3.4	0.5	0.1	<0.8	1.9	0.5	82.4
SC170251	704087	8411573	Rock Chip	Pegmatite	6	<4	315	1.2	1.1	0.2	<0.8	13.1	2.3	14.6
SC170252	704117	8411611	Rock Chip	Pegmatite	6	7	226	1	1.4	0.1	0.8	5.4	1.8	28.2
SC170253	704206	8411644	Rock Chip	Pegmatite	6	6	174	5.9	0.4	0.1	<0.8	19.5	1.1	209
SC170254	704207	8411645	Rock Chip	Pegmatite	9	<4	140	4	0.3	0.1	1.1	8.7	1.2	13.2
SC170255	704231	8411650	Rock Chip	Gneiss	<5	31	342	3.9	0.4	<0.1	<0.8	81.3	1.9	88.4
SC170256	704234	8411647	Rock Chip	Gneiss	5	57	670	6.8	0.4	<0.1	<0.8	130.5	3.5	196.5
SC170257	704255	8411634	Rock Chip	Pegmatite	6	<4	300	2.5	0.3	<0.1	<0.8	13.9	0.6	24.6
SC170258	704093	8411592	Rock Chip	Pegmatite	5	6	295	1.4	0.3	0.1	<0.8	7.4	1	13.2
SC170259	703979	8411480	Rock Chip	Granite	5	13	70	4.3	0.4	<0.1	<0.8	74.7	0.8	38.2
SC170260	703914	8411467	Rock Chip	Granite	6	13	57	3	0.3	0.1	0.9	57.8	0.7	11.1
SC170261	703846	8411395	Rock Chip	Pegmatite	<5	15	399	10.2	0.4	<0.1	<0.8	256	1.8	112.5
SC170262	703796	8411356	Rock Chip	Pegmatite	6	4	301	4.1	0.3	<0.1	0.8	84.7	1.4	64.1
SC170263	703791	8411325	Rock Chip	Pegmatite	5	8	301	6	1.1	<0.1	<0.8	93	1.1	118.5
SC170264	703772	8411331	Rock Chip	Pegmatite	5	9	110	7.4	0.6	<0.1	<0.8	41.7	1.9	158
SC170265	703746	8411331	Rock Chip	Pegmatite	5	7	215	8.2	0.3	<0.1	<0.8	56.7	0.8	160.5
SC170266	703768	8411296	Rock Chip	Pegmatite	5	11	347	3	0.3	<0.1	0.9	64.6	1.3	23.1
SC170267	703774	8411297	Rock Chip	Granite	5	8	286	3.8	1.3	<0.1	<0.8	68.5	1.5	16.9
SC170268	703694	8411093	Rock Chip	Pegmatite	<5	<4	39	3.3	0.3	0.1	<0.8	10.1	<0.5	18.4
SC170269	703709	8411067	Rock Chip	Pegmatite	8	7	85	3.3	0.2	0.2	<0.8	9.6	0.5	24.2
SC170270	703732	8411113	Rock Chip	Pegmatite	8	<4	28	3.6	0.3	0.1	0.9	8.7	0.8	20
SC170271	703826	8411168	Rock Chip	Aplite	5	9	44	1.2	1.2	0.1	<0.8	61.9	0.5	2.5
SC170272	703893	8411236	Rock Chip	Aplite	5	10	58	1.6	0.3	0.1	1.1	46.9	0.6	6.6
SC170273	703823	8411103	Rock Chip	Aplite	<5	7	27	1.9	0.2	<0.1	<0.8	54.2	0.9	4.3
SC170274	703903	8411199	Rock Chip	Pegmatite	<5	6	94	5.7	0.1	<0.1	<0.8	23.5	0.6	102.5
SC170276	703950	8411274	Rock Chip	Pegmatite	10	22	52	4	0.5	0.1	<0.8	9.9	<0.5	72.6
SC170277	704045	8411393	Rock Chip	Aplite	8	5	64	2.7	0.4	0.2	0.8	21.3	0.7	8.9
SC170278	704049	8411396	Rock Chip	Pegmatite	8	6	27	2.4	0.4	0.1	<0.8	5.1	<0.5	23.4
SC170279	704158	8411258	Rock Chip	Pegmatite	7	5	45	7.9	0.4	0.1	<0.8	13.1	1.5	113.5
SC170280	704203	8411375	Rock Chip	Aplite	7	6	38	1.8	0.2	<0.1	0.8	29.7	<0.5	2.8
SC170281	704203	8411376	Rock Chip	Granite	6	<4	68	2.4	0.2	<0.1	0.9	57.3	0.8	3.4



SampleID	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Ho ppm	In ppm	K %	La ppm	Li ppm	Lu ppm	Mn ppm
SC170201	20	0.39	0.09	<0.03	0.71	52.3	0.48	12	0.03	<0.3	4	1.61	32	<0.05	200
SC170202	20	0.33	0.04	0.05	0.59	21.3	0.68	10.8	0.05	<0.3	3.58	0.76	79	<0.05	110
SC170203	<20	4.25	1.4	0.46	1.89	34.6	4.77	6.1	0.59	<0.3	4.14	2.95	81	0.13	120
SC170204	<20	7.9	3.54	1.02	1.8	33.2	8.29	3.7	1.37	<0.3	6.14	50.9	1080	0.44	150
SC170205	<20	0.82	0.61	0.21	1.25	39.7	1.2	9.6	0.14	<0.3	3.95	2.47	104	<0.05	130
SC170206	<20	6.48	2.57	1.13	2.14	12.4	7.58	1.3	1.06	<0.3	2.06	41.5	146	0.43	110
SC170207	<20	0.81	0.31	0.22	0.66	28.2	1.37	7.3	0.15	<0.3	3.63	1.18	69	0.07	120
SC170208	<20	0.57	0.21	0.42	1.51	28.9	1.87	6.3	0.07	<0.3	3.74	3.06	43	<0.05	110
SC170209	<20	1.34	0.35	1.3	2.09	32.3	5.1	12	0.16	<0.3	3.95	14.5	55	<0.05	170
SC170210	<20	0.85	0.54	0.23	1.05	46.4	1.35	6.3	0.16	<0.3	4.03	8.89	195	0.09	130
SC170211	<20	22.9	10.4	2.44	0.89	12.1	28.8	2.9	3.69	<0.3	2.02	29.6	36	1.21	100
SC170212	<20	8.46	3.99	1.24	1.23	8.9	9.57	2.1	1.42	<0.3	1.48	28	19	0.44	80
SC170213	<20	0.48	0.2	0.18	11.35	65.6	0.76	4.9	0.08	<0.3	5.74	3.55	430	0.05	570
SC170214	<20	0.44	0.2	0.07	1.49	53.4	0.76	6	0.07	<0.3	3.88	2.01	280	<0.05	530
SC170215	<20	1.57	0.62	0.27	1.58	3.9	2.76	1.8	0.25	<0.3	0.96	12.4	9	0.12	90
SC170216	<20	0.3	0.17	0.07	1.07	60.3	0.65	6.2	0.03	<0.3	4.05	2.41	350	<0.05	790
SC170217	<20	0.24	0.08	0.06	1.57	60.5	0.41	6.3	0.03	<0.3	4.07	1.68	310	<0.05	660
SC170218	<20	0.05	0.03	<0.03	0.96	45.9	0.18	6	0.02	<0.3	3.27	0.65	211	<0.05	630
SC170219	<20	0.16	0.11	0.04	1.19	47.2	0.33	5.9	0.05	<0.3	3.65	1.5	207	<0.05	740
SC170220	<20	1.41	0.27	0.81	1.19	33.9	4.23	4.9	0.15	<0.3	3.18	17.9	250	<0.05	540
SC170221	<20	0.82	0.18	0.23	1.16	28.6	1.97	5.1	0.11	<0.3	2.38	4.55	161	<0.05	440
SC170222	<20	0.76	0.23	0.28	0.92	39	1.59	5.6	0.09	<0.3	3.01	4.05	260	<0.05	710
SC170223	<20	0.23	0.16	<0.03	0.79	1.7	0.27	4.2	0.07	<0.3	0.22	0.45	11	<0.05	120
SC170224	<20	2.1	0.2	0.84	1.25	47.4	5.67	5.6	0.18	<0.3	3.79	19.05	280	<0.05	840
SC170225	<20	2.73	0.89	0.87	1.19	6.2	4.5	4.4	0.45	<0.3	0.65	56.3	94	0.09	210
SC170226	<20	0.49	0.28	0.22	0.99	51.3	0.91	5.7	0.09	<0.3	3.43	5.18	430	<0.05	1750
SC170227	<20	0.97	0.23	0.58	0.85	46.7	2.97	5	0.13	<0.3	3.78	13.7	410	<0.05	1210
SC170228	<20	0.38	0.07	0.19	1.53	53.9	0.71	5.8	0.06	<0.3	3.69	2.5	530	<0.05	1440
SC170229	<20	0.19	0.04	0.09	0.91	1.9	0.65	4.1	0.03	<0.3	0.23	2.51	24	<0.05	150
SC170230	<20	1.76	0.56	0.76	0.83	51.4	2.95	5.2	0.26	<0.3	3.56	6.39	330	<0.05	1010
SC170231	<20	0.98	0.29	0.32	1.89	42.3	1.89	5.4	0.1	<0.3	3.32	5.56	211	<0.05	360
SC170232	<20	0.31	0.17	0.09	0.87	55.1	0.57	5.8	0.07	<0.3	3.71	2.42	153	<0.05	490
SC170233	<20	0.32	0.12	0.1	1.22	48.2	0.45	5.7	0.04	<0.3	3.66	1.82	192	<0.05	430
SC170234	<20	0.9	0.22	0.32	1.71	28.9	1.73	5.9	0.13	<0.3	2.93	18.9	117	<0.05	270
SC170235	<20	0.41	0.09	0.14	1.27	52.7	0.73	4.9	0.09	<0.3	3.8	5.1	219	<0.05	260
SC170236	<20	0.44	0.18	0.15	1.21	22.1	0.7	3.1	0.07	<0.3	3.59	2.86	149	<0.05	300
SC170237	<20	0.94	0.5	0.14	9.12	38.3	0.77	4	0.17	<0.3	4.43	2.49	36	<0.05	180
SC170238	<20	6.81	3.58	1.07	2.2	30.2	7.05	3.3	1.26	<0.3	4.87	50.5	510	0.57	240
SC170239	<20	0.67	0.4	0.22	2.61	47.3	1.13	6.9	0.14	<0.3	4.28	8.09	101	<0.05	220
SC170240	<20	5.76	2.94	1.06	3.01	15.3	6.49	2	1.01	<0.3	2.8	48.9	141	0.45	160
SC170241	<20	1.13	0.58	0.06	1.72	35.5	0.94	7.9	0.17	<0.3	3.14	2.6	40	<0.05	190
SC170242	<20	3.32	0.77	0.44	2.42	23.6	3.23	6.1	0.38	<0.3	3.14	7.67	34	0.09	110
SC170243	<20	4.1	1.35	0.57	1.12	17	3.64	3.1	0.66	<0.3	2.51	33.3	530	0.23	190
SC170244	<20	0.31	0.32	0.12	1.46	46.8	0.37	9.1	0.11	<0.3	3.5	5.01	93	0.06	350
SC170245	<20	3.18	0.79	1.01	1.26	18.6	5.66	2.3	0.36	<0.3	3.47	22.9	200	0.07	170
SC170246	<20	0.93	0.36	0.56	1.87	6.8	2.22	3.7	0.2	<0.3	0.9	11.8	59	0.05	110
SC170247	<20	0.99	0.56	0.05	0.77	35.9	0.74	13.2	0.19	<0.3	3.36	1.47	107	0.05	540
SC170248	<20	0.12	0.13	0.05	0.68	13	0.32	3.7	0.01	<0.3	1.34	0.76	172	<0.05	220
SC170251	100	1.01	0.86	0.51	1.07	20	0.94	1.8	0.19	<0.3	6.91	12.4	16	0.05	80
SC170252	<20	0.59	0.28	0.17	1.11	28.7	0.31	1.9	0.09	<0.3	4.71	2.94	22	0.05	80
SC170253	<20	2.98	2.08	0.35	1.19	31.8	2.93	4.4	0.56	<0.3	4.13	11.4	89	0.27	160
SC170254	<20	1.31	0.9	0.24	1.12	18.3	1.41	1.1	0.23	<0.3	3.39	4.17	39	0.05	100
SC170255	<20	4.77	2.46	0.39	2.39	20.2	6.11	2.1	0.93	<0.3	3.07	39.2	44	0.3	120
SC170256	<20	6.56	3.42	0.78	4.26	44.9	6.95	1.5	1.1	<0.3	5.57	66.5	44	0.5	130
SC170257	<20	2.96	1.56	0.11	1.17	20.7	2.17	0.5	0.63	<0.3	3.13	6.96	14	0.24	80
SC170258	<20	0.48	0.42	0.53	1.11	22.3	0.42	1.6	0.1	<0.3	5.89	3.24	7	0.1	100
SC170259	<20	3.14	1.32	0.39	1.09	19.9	4.07	1.3	0.42	<0.3	2.84	35.9	50	0.13	60
SC170260	<20	2.59	1.56	0.39	1.24	12.4	3.76	0.6	0.49	<0.3	1.87	29.2	55	0.11	120
SC170261	<20	5.38	1.75	0.78	1.75	25.7	11	2.5	0.82	<0.3	3.34	108.5	420	0.12	260
SC170262	<20	3.44	1.7	0.57	2.61	22.7	4.96	1.7	0.58	<0.3	5.42	39.7	43	0.2	110
SC170263	<20	2.74	1.2	0.51	2.05	24.7	4.77	3.3	0.43	<0.3	4.45	42.1	129	0.18	140
SC170264	<20	1.06	0.3	0.19	1.32	26.4	1.4	5.1	0.13	<0.3	3.77	22	101	0.13	150
SC170265	<20	0.82	0.22	0.46	1.85	30.7	2.36	3.7	0.13	<0.3	4.45	26.6	127	<0.05	220
SC170266	<20	1.45	0.51	0.52	1.43	19.7	2.46	1.8	0.19	<0.3	6.48	38.5	15	0.06	80
SC170267	<20	3.26	1.79	0.37	2.17	25.2	3.95	1.2	0.5	<0.3	5.91	32.8	17	0.1	80
SC170268	<20	1.03	0.4	0.19	1.02	20.3	1.27	1.6	0.15	<0.3	2.61	4.88	37	<0.05	110
SC170269	<20	1.13	0.77	0.13	1.09	15.2	1.2	1.6	0.15	<0.3	1.73	4.94	32	0.08	80
SC170270	<20	0.56	0.14	0.11	0.91	25.6	0.95	2.2	0.03	<0.3	3.49	4.34	52	<0.05	110
SC170271	<20	1.53	0.41	0.19	0.6	10.6	3.28	<0.5	0.21	<0.3	2.02	30.9	62	<0.05	60
SC170272	<20	1.97	0.57	0.35	0.91	10.3	3.47	<0.5	0.22	<0.3	1.4	24.6	61	<0.05	110
SC170273	<20	3.94	2.29	0.48	0.92	11.2	4.58	<0.5	0.75	<0.3	1.97	27.1	11	0.22	110
SC170274	<20	1.26	0.39	0.44	1.76	26.5	2.33	2.4	0.13	<0.3	4.2	10.7	157	<0.05	230
SC170276	<20	0.6	0.13	0.22	0.97	24.2	1.78	2.6	0.06	<0.3	3.7	5.72	96	<0.05	210
SC170277	<20	1.4	0.85	0.31	0.79	8.6	2.11	1.3	0.23	<0.3	1.4	11.3	37	<0.05	80
SC170278	<20	1.2	0.68	0.18	0.79	15.5	2.36	2.3	0.18	<0.3	2.84	4.34	51	<0.05	90
SC170279	<20	1.1	0.5	0.16	1.48	33.6	1.95	4.1	0.16	<0.3	3.5	10.35	240	<0.05	330
SC170280	130	1.68	0.7	0.13	0.87	7.3	2.14	<0.5	0.22	<0.3	1.23	14	35	<0.05	130
SC170281	<20	2.06	0.83	0.34	0.85	11.7	3.81	<0.5	0.44	<0.3	1.73	26.4	42	<0.05	60



SampleID	Mo ppm	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Re ppm	Sb ppm	Se ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm
SC170201	<2	151	1.83	<10	3.5	0.43	1940	<0.01	<0.3	<3	0.41	15530	<20	455	0.06
SC170202	<2	152.5	1.48	<10	4.2	0.25	747	<0.01	0.3	<3	0.37	18850	<20	487	0.05
SC170203	<2	138	7.16	<10	3.1	1.2	989	<0.01	0.6	<3	2.8	12850	20	283	0.98
SC170204	<2	20.6	38.6	<10	6.7	10.85	1300	<0.01	<0.3	<3	8.28	786	90	8.31	1.35
SC170205	<2	58.5	2.7	<10	4.6	0.75	1250	<0.01	<0.3	<3	0.59	2100	20	196.5	0.25
SC170206	<2	8	36.3	<10	5.4	9.68	312	<0.01	0.3	<3	6.67	120	120	4.45	1
SC170207	<2	136.5	2.84	<10	3.5	0.51	887	<0.01	<0.3	8	1.31	19100	50	457	0.13
SC170208	<2	140	5.95	<10	3.4	1.07	886	<0.01	0.4	4	2.05	14300	20	273	0.07
SC170209	<2	56.9	28.4	<10	3.5	6.13	965	<0.01	0.4	<3	8.79	1420	50	131	0.29
SC170210	<2	68.8	8.37	10	7.7	2.4	1465	<0.01	0.5	6	1.83	843	30	166	0.16
SC170211	<2	10.4	47.8	10	4.6	10.2	222	<0.01	0.9	5	19.35	71	70	1.37	4.34
SC170212	<2	6	28.8	10	3.8	7.79	84.2	0.01	0.5	6	9.14	22	50	0.75	1.48
SC170213	2	70.4	3.42	10	4.7	0.84	2090	<0.01	2.4	3	0.61	446	<20	83.5	0.1
SC170214	<2	56.8	2.76	10	2.6	0.65	1930	<0.01	<0.3	7	0.63	1380	<20	28.2	0.08
SC170215	<2	3.4	10.65	10	2.2	3.22	35.3	<0.01	0.3	3	2.11	11	20	0.28	0.33
SC170216	<2	85.6	3.93	10	1.9	0.81	1990	<0.01	<0.3	6	0.79	5000	<20	35.2	0.08
SC170217	<2	60.4	1.9	10	2.1	0.45	1970	<0.01	<0.3	7	0.41	1300	<20	28.1	0.03
SC170218	<2	91.7	0.76	10	1.5	0.18	1780	<0.01	<0.3	7	0.25	6900	<20	79.6	0.02
SC170219	<2	121.5	1.15	10	1.9	0.39	1655	<0.01	<0.3	4	0.33	11850	<20	91.9	0.07
SC170220	<2	50.9	11.7	10	4.4	3.02	917	<0.01	<0.3	4	3.32	583	60	20.5	0.45
SC170221	<2	33.4	4.74	10	3.6	1.2	962	<0.01	0.4	5	1.12	395	30	24	0.28
SC170222	<2	95.5	3.86	10	2.2	1.07	1385	<0.01	<0.3	6	1.04	5580	30	94.4	0.22
SC170223	<2	3.4	0.46	10	0.9	0.12	16.6	<0.01	0.5	8	0.16	40	<20	3.31	0.05
SC170224	<2	69.2	15.6	10	2.9	4.13	1595	<0.01	<0.3	3	3.56	1600	110	61.9	0.65
SC170225	<2	5.6	25.2	10	2.8	7.34	117.5	<0.01	<0.3	7	4.45	112	90	1.87	0.61
SC170226	<2	101.5	3.96	10	2.3	1.04	1850	<0.01	<0.3	5	1.14	8070	40	62.5	0.11
SC170227	<2	108	6.67	10	5.2	1.73	1565	0.01	<0.3	4	2.38	6580	50	68.9	0.3
SC170228	<2	104	2.82	10	2.7	0.71	1895	<0.01	<0.3	9	0.69	9390	<20	67.7	0.08
SC170229	<2	4.2	2.36	10	1.3	0.7	40.4	<0.01	<0.3	5	0.52	152	<20	2.17	0.05
SC170230	<2	160.5	11.95	20	2.8	2.73	1740	<0.01	0.4	<3	3.68	17350	70	125.5	0.46
SC170231	<2	54.7	7.07	10	2.4	1.49	1260	<0.01	<0.3	9	2.15	1160	20	36	0.16
SC170232	<2	179	2.9	10	1.5	0.61	1975	<0.01	<0.3	4	0.54	20700	<20	171.5	0.09
SC170233	<2	189	3.76	10	1.7	0.76	1940	<0.01	<0.3	5	0.53	24300	<20	222	0.05
SC170234	<2	238	15.65	20	2.5	4.44	740	<0.01	0.5	3	2.52	23600	<20	314	0.19
SC170235	<2	100.5	5.93	10	2.3	1.38	1510	<0.01	<0.3	4	0.9	7210	<20	52.8	0.08
SC170236	<2	56.2	3.03	10	1.5	0.78	392	<0.01	0.7	4	0.75	165	<20	24.7	0.07
SC170237	<2	238	2.91	20	5.7	0.7	1035	<0.01	1.2	3	0.6	>25000	<20	1400	0.13
SC170238	<2	18	37.6	10	9.4	11.8	715	<0.01	0.4	<3	7.37	375	80	10.4	1.08
SC170239	<2	87.3	9.85	10	4.5	2.51	1485	0.01	0.5	<3	2.31	5560	20	269	0.1
SC170240	<2	11.6	43.7	10	6.2	12.85	237	<0.01	0.6	6	9.1	158	60	5.7	0.84
SC170241	<2	331	2.36	10	3	0.65	998	0.01	0.7	5	0.62	>25000	30	1135	0.2
SC170242	<2	48.1	9.18	10	2.8	2.65	516	<0.01	0.9	6	1.81	447	60	76.3	0.64
SC170243	<2	13	20.4	<10	7.1	6.89	451	<0.01	0.6	<3	3.45	260	430	3.87	0.57
SC170244	<2	96.7	3.56	<10	4.2	0.76	1605	<0.01	0.7	9	0.58	7790	<20	140	0.1
SC170245	<2	21.4	22.4	<10	2.8	6.4	235	<0.01	<0.3	6	5.85	126	50	7.45	0.69
SC170246	<2	10	13	<10	3.4	3.46	97	<0.01	<0.3	<3	3.24	83	150	23.2	0.24
SC170247	<2	206	0.78	<10	2.4	0.36	805	<0.01	<0.3	<3	0.31	18100	<20	274	0.16
SC170248	<2	16.2	0.72	<10	1.7	0.25	292	<0.01	<0.3	3	0.22	287	<20	14.05	0.03
SC170251	<2	6.3	6.83	<10	37.1	1.57	361	<0.01	0.4	<3	1.51	34	50	2.26	0.08
SC170252	<2	7.7	1.87	<10	23.3	0.63	294	<0.01	0.3	8	0.29	19	30	0.71	0.09
SC170253	<2	55.1	9.31	<10	4.5	1.97	576	<0.01	0.4	6	3.3	409	<20	51.7	0.34
SC170254	2	4.9	3.15	<10	1.7	0.84	324	<0.01	0.8	<3	1.01	8	<20	0.94	0.24
SC170255	<2	13.1	32.7	<10	8.6	8.99	261	<0.01	1.2	<3	6.15	57	20	1.64	0.9
SC170256	<2	36.5	46.2	<10	16.6	14.8	495	<0.01	3.9	<3	9.15	27	40	1.97	1.3
SC170257	<2	5.1	5.82	<10	5	1.52	195.5	<0.01	<0.3	<3	1.7	6	<20	0.45	0.29
SC170258	<2	2.4	2.7	<10	33.3	0.51	293	<0.01	0.3	<3	0.52	9	40	0.22	0.11
SC170259	<2	16.3	30.8	<10	4.4	8.34	281	<0.01	0.8	<3	4.74	49	20	2.09	0.54
SC170260	<2	12.8	24	<10	3.9	6.62	234	<0.01	0.4	<3	4.86	9	<20	0.67	0.62
SC170261	<2	21.6	88.8	<10	13.7	26.5	782	<0.01	<0.3	<3	16.85	231	20	2.11	1.49
SC170262	<2	16.1	33.5	<10	25	9.92	430	0.03	0.5	<3	6.83	14	20	1.32	0.75
SC170263	<2	29.5	35	<10	27.4	9.71	524	0.04	<0.3	4	7.33	101	20	18.85	0.64
SC170264	<2	29.1	14.55	<10	11.7	4.71	1040	0.01	0.3	<3	2.53	222	<20	5.88	0.22
SC170265	<2	43.3	25.1	<10	13.3	7.01	1095	<0.01	<0.3	4	4.58	205	<20	6.5	0.3
SC170266	<2	10	22.3	<10	33	6.45	426	<0.01	<0.3	3	3.07	9	30	1.31	0.24
SC170267	<2	18.5	27.4	<10	28	7.7	404	<0.01	0.5	<3	5	10	20	0.85	0.58
SC170268	<2	21.5	5.94	<10	2.9	1.31	252	<0.01	<0.3	<3	1.45	114	20	4.04	0.19
SC170269	<2	18	4.88	<10	9.2	1.15	186.5	<0.01	0.5	<3	1.17	101	450	5.62	0.21
SC170270	<2	37.1	3.47	<10	1.5	1.08	387	<0.01	<0.3	9	0.92	148	<20	8.63	0.05
SC170271	<2	8.9	27	<10	5.7	7.32	146	<0.01	0.4	<3	3.87	3	20	0.16	0.4
SC170272	<2	14	20.1	<10	4.3	5.02	103	<0.01	0.5	3	2.93	14	200	0.37	0.43
SC170273	<2	8	20.7	<10	4	6.09	198	<0.01	0.3	<3	4.63	4	<20	0.19	0.77
SC170274	<2	40	13.8	<10	3.4	2.92	814	<0.01	0.3	<3	2.86	160	<20	7	0.26
SC170276	<2	82.7	6.33	<10	3.3	1.42	612	<0.01	<0.3	<3	1.17	748	470	64.1	0.2
SC170277	<2	7.8	10.65	<10	6	2.98	115.5	<0.01	0.4	<3	2.84	17	<20	6.87	0.27
SC170278	<2	50.4	4.87	<10	6.5	0.61	300	<0.01	<0.3	<3	0.77	290	<20	28.8	0.29
SC170279	<2	87.3	6.55	<10	2.2	1.3	838	<0.01	0.6	<3	1.8	404	<20	20.1	0.27
SC170280	<2	9.5	11.45	<10	2.8	3.34	99.3	<0.01	0.6	<3	2.86	3	20	3.12	0.42
SC170281	<2	12	23.1	<10	3.2	6.4	101.5	<0.01	0.4	<3	4.45	3	20	2.49	0.51



SampleID	Te ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Au ppm	Pt ppm	Pd ppm
SC170201	<0.5	2.2	0.005	9.52	<0.01	2.2	1	23.1	1.7	<0.02	50	0.003	<0.0005	0.001
SC170202	<0.5	0.9	0.007	3.51	<0.01	4.1	2	19.1	1.6	<0.02	40	0.002	<0.0005	0.001
SC170203	<0.5	2.2	0.015	3.89	0.15	2.3	7	34.2	19.5	0.8	30	0.003	<0.0005	0.002
SC170204	0.7	19.3	0.316	6.5	0.59	3.4	64	47.2	46	4.02	80	0.004	0.0007	0.003
SC170205	<0.5	2.8	0.013	4.86	0.06	1.2	6	16.7	5.1	0.34	30	0.003	<0.0005	0.001
SC170206	<0.5	20.6	0.147	1.79	0.49	3.6	20	23.8	31.6	2.38	20	0.002	<0.0005	0.001
SC170207	0.7	1.3	0.01	3.91	0.04	2.8	3	20.3	4	0.18	30	0.002	<0.0005	0.001
SC170208	<0.5	1.3	0.006	3.75	0.01	1.5	5	30	2.5	<0.02	40	0.002	0.0009	0.002
SC170209	<0.5	3.1	0.009	4.51	0.04	2.1	10	32.3	4.9	0.31	40	0.002	0.0005	0.001
SC170210	4.2	3.7	0.065	6.38	0.06	2.7	11	15	3.5	0.36	30	0.006	<0.0005	0.001
SC170211	<0.5	14	0.122	1.66	1.43	5.4	12	25.1	99.8	8.6	10	0.005	<0.0005	0.001
SC170212	0.6	14.4	0.111	0.55	0.61	3.6	14	10	42.5	3.25	10	0.003	0.0005	0.001
SC170213	0.7	1.3	0.017	9.48	0.02	6.1	22	76.8	2.3	0.18	100	0.002	0.0017	0.001
SC170214	<0.5	1.1	0.01	8.88	0.03	0.7	4	22.3	1.6	0.07	70	0.001	<0.0005	<0.001
SC170215	<0.5	7.1	0.057	0.28	0.08	1.9	8	14.3	6.8	0.71	10	0.001	0.0008	0.001
SC170216	0.8	0.4	0.012	8.32	0.02	0.4	3	22.1	1.3	0.05	100	0.001	<0.0005	<0.001
SC170217	0.7	0.6	0.011	8.8	0.01	0.7	5	23	0.9	0.1	90	0.003	<0.0005	<0.001
SC170218	<0.5	0.6	0.008	8.47	0.01	0.7	3	23.2	0.6	<0.02	60	<0.001	<0.0005	<0.001
SC170219	0.8	1.5	0.008	7.89	0.01	1.1	5	27.7	1	0.06	90	0.001	0.0006	0.001
SC170220	<0.5	1.2	0.009	3.91	0.05	1.2	5	20.7	3.3	0.13	60	0.002	0.0014	0.003
SC170221	0.5	1.3	0.007	4.47	0.03	1	5	15.1	2.5	0.2	80	0.003	0.0015	0.004
SC170222	<0.5	0.9	0.007	6.32	0.04	1.6	4	25.1	2.6	0.19	70	<0.001	0.001	0.002
SC170223	<0.5	<0.1	<0.005	0.17	0.02	0.6	3	1.9	1.7	0.09	10	0.001	<0.0005	<0.001
SC170224	0.9	2.4	0.011	7.65	0.05	1.5	6	42.7	3.9	0.19	100	0.003	0.0013	0.002
SC170225	<0.5	2.3	0.023	0.66	0.1	1.3	6	8.5	9.2	0.55	10	0.003	0.0006	0.001
SC170226	0.5	1	0.011	8.57	0.02	0.8	3	21.9	2.2	0.14	170	0.002	0.0013	0.001
SC170227	0.5	1	0.009	7.33	0.02	0.8	4	22.4	2.7	0.14	120	0.001	<0.0005	0.001
SC170228	0.9	0.9	0.017	9.36	0.01	1	6	32.6	1.3	0.08	170	0.027	0.0007	0.003
SC170229	0.6	0.4	<0.005	0.22	0.01	0.6	3	2.8	0.7	0.04	10	0.017	0.0005	0.001
SC170230	<0.5	1.5	0.01	8.49	0.09	2.6	4	30	6.7	0.48	110	0.015	0.0026	0.009
SC170231	<0.5	1.6	0.023	5.64	0.03	1	8	22.9	3.2	0.2	70	0.007	0.0007	0.001
SC170232	<0.5	0.6	0.011	9.16	0.02	0.6	4	31.2	1.5	0.08	60	0.001	<0.0005	0.001
SC170233	0.8	1.4	0.009	9.49	0.01	1.4	2	40.9	1.1	0.06	60	0.001	<0.0005	0.001
SC170234	0.6	2.9	0.011	4.31	0.03	0.8	7	37.4	2.9	0.12	50	0.008	0.0007	0.002
SC170235	<0.5	0.5	0.01	6.33	0.01	0.4	3	27.5	1.8	0.09	50	0.001	<0.0005	<0.001
SC170236	<0.5	1.3	0.008	1.7	0.02	0.7	5	21	1.8	0.18	40	0.001	0.0008	0.001
SC170237	<0.5	3.3	0.01	4.8	0.08	9.6	15	38.4	4.6	0.42	20	0.006	0.0016	0.003
SC170238	<0.5	20.8	0.342	3.72	0.57	3.3	56	32.9	37.3	2.81	70	0.004	0.0005	0.001
SC170239	<0.5	2.9	0.027	6.08	0.04	3	11	33	3.3	0.31	40	0.004	<0.0005	0.002
SC170240	0.5	19.2	0.214	1.29	0.39	4.1	25	27.1	27.7	2.63	30	0.001	<0.0005	0.001
SC170241	<0.5	2	0.01	4.29	0.05	5.5	6	56.4	4.9	0.47	30	0.005	<0.0005	0.001
SC170242	<0.5	2.8	0.017	1.88	0.09	5	8	11.6	7.9	0.58	20	0.001	0.001	0.001
SC170243	0.5	11	0.236	2.52	0.24	4.9	35	26.5	14.9	2.04	50	0.001	0.0006	0.001
SC170244	<0.5	2.2	0.007	7.49	0.05	2.6	9	20.8	3.5	0.3	90	0.002	0.0008	0.001
SC170245	<0.5	9.4	0.064	0.94	0.09	1.6	6	18.2	9.4	0.58	40	0.001	<0.0005	0.001
SC170246	<0.5	4.1	0.046	0.33	0.05	1.5	11	10.2	3.3	0.44	20	0.093	0.0009	0.002
SC170247	0.6	1.3	0.006	3.23	0.06	0.9	4	29.4	5.4	0.58	40	0.002	<0.0005	0.001
SC170248	<0.5	0.4	0.012	1.63	<0.01	0.6	2	12.4	0.9	0.04	30	0.008	<0.0005	0.001
SC170251	1.5	4.5	0.05	1.78	0.03	2	7	1.1	6.6	0.64	10	0.002	<0.0005	<0.001
SC170252	1.1	1.3	0.058	1.96	0.02	2.5	10	2.1	3.4	0.35	30	0.001	<0.0005	0.001
SC170253	0.8	10.1	0.11	2.96	0.25	3.2	4	34.9	21	1.97	30	0.001	<0.0005	<0.001
SC170254	<0.5	1.1	0.035	2.26	0.11	1.5	4	4.5	9.4	0.8	<10	0.001	<0.0005	0.001
SC170255	0.5	16.8	0.219	0.83	0.37	4.2	33	14.5	29.9	2.48	40	0.001	<0.0005	<0.001
SC170256	1.2	26.8	0.434	1.94	0.48	5.2	72	6	39.4	3.38	50	0.001	<0.0005	<0.001
SC170257	0.8	5.1	0.035	1.1	0.32	1.8	5	4.1	20.3	1.79	10	0.001	<0.0005	<0.001
SC170258	0.6	1.3	0.012	1.6	0.03	1	6	2.4	2.6	0.37	10	0.001	<0.0005	<0.001
SC170259	0.9	20	0.109	1.32	0.09	3.8	9	7.3	16.2	1.15	20	0.001	<0.0005	<0.001
SC170260	<0.5	20.9	0.099	1.21	0.1	4.2	7	1.8	13.7	0.7	10	0.001	<0.0005	<0.001
SC170261	0.8	23.9	0.127	3.36	0.18	10.2	12	22.1	21.8	0.75	60	0.001	<0.0005	<0.001
SC170262	<0.5	26.7	0.136	2.63	0.23	7.6	17	4.4	19.6	1.46	30	0.001	<0.0005	<0.001
SC170263	<0.5	26.4	0.136	2.96	0.13	10.8	14	14.2	11.3	0.69	50	0.001	<0.0005	<0.001
SC170264	<0.5	7.9	0.059	6.65	0.03	5	12	6.1	3.9	0.22	40	0.001	<0.0005	<0.001
SC170265	<0.5	3	0.014	5.74	0.05	3.2	6	8.8	3.1	0.12	60	0.001	<0.0005	0.001
SC170266	<0.5	9	0.061	2.4	0.04	4.3	9	3	5.7	0.25	20	0.001	<0.0005	0.001
SC170267	<0.5	27	0.135	2.23	0.17	7	17	2	14.8	0.96	30	0.001	<0.0005	0.001
SC170268	0.7	1.5	0.022	1.03	0.05	1.8	2	8.7	3.4	0.27	50	0.001	<0.0005	0.001
SC170269	<0.5	2.5	0.018	0.95	0.06	6.9	3	10.9	7	0.83	10	0.001	<0.0005	<0.001
SC170270	<0.5	3.7	0.021	1.79	<0.01	1.2	3	16	2.4	0.16	20	0.001	<0.0005	<0.001
SC170271	0.5	18.6	0.061	0.58	0.04	3.5	4	1.1	7.2	0.51	10	0.001	<0.0005	<0.001
SC170272	0.7	16.2	0.079	0.57	0.04	3.4	5	3.5	7.6	0.39	20	0.001	<0.0005	<0.001
SC170273	<0.5	17.9	0.165	1.02	0.23	5	18	3.1	23	2.39	10	0.001	<0.0005	<0.001
SC170274	<0.5	1.3	0.007	3.64	0.02	2.2	1	9.3	2.7	0.05	70	0.001	<0.0005	0.001
SC170276	<0.5	1	<0.005	2.33	0.01	2.5	2	10.3	2.8	0.11	60	0.001	<0.0005	<0.001
SC170277	<0.5	8.8	0.041	0.69	0.06	2.3	5	3.3	6.7	0.5	<10	0.001	<0.0005	0.001
SC170278	<0.5	1.1	<0.005	1.51	0.06	4.1	4	7.6	6.3	0.33	10	0.001	<0.0005	0.001
SC170279	<0.5	1.7	<0.005	4.26	0.07	4.3	3	14.9	5.1	0.25	80	0.001	<0.0005	0.001
SC170280	0.6	11.2	0.054	0.55	0.05	2.5	3	2.4	8.2	0.39	10	0.003	<0.0005	0.001
SC170281	<0.5	17.6	0.088	0.88	0.08	3.7	3	1.6	9.3	0.51	10	0.001	0.0005	0.001



SampleID	Easting	Northing	Medium	Lithology	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cs ppm
SC170282	703274	8410997	Rock Chip	Pegmatite	8	<4	639	0.6	0.2	0.2	0.9	2.8	1.2	28.6
SC170283	703294	8411048	Rock Chip	Pegmatite	16	<4	127	1.5	0.4	0.1	1.5	9.6	0.6	15.5
SC170284	703297	8411086	Rock Chip	Pegmatite	5	6	319	2	0.3	0.1	<0.8	12.9	0.9	49.6
SC170285	703427	8411121	Rock Chip	Pegmatite	5	7	41	4	1.8	0.2	<0.8	4.9	1.2	27.9
SC170286	705045	8410856	Rock Chip	Pegmatite	7	<4	319	<0.4	0.8	0.1	<0.8	4.1	1	13.7
SC170287	704776	8411007	Rock Chip	Pegmatite	5	34	400	6	0.9	0.2	<0.8	29.9	2.2	149.5
SC170288	704785	8411130	Rock Chip	Pegmatite	5	11	606	1.2	0.9	0.1	1.3	33.4	1.4	7.3
SC170289	704622	8411263	Rock Chip	Pegmatite	5	23	963	12.5	0.6	0.1	<0.8	189.5	1.1	540
SC170290	704681	8411366	Rock Chip	Pegmatite	6	11	565	2.2	0.5	0.1	<0.8	52.3	1.4	14.1
SC170291	704807	8411081	Rock Chip	Pegmatite	6	16	266	7.8	0.6	0.4	<0.8	11.1	0.9	212
SC170292	704708	8410638	Rock Chip	Pegmatite	6	<4	206	4.2	0.5	0.1	<0.8	28.4	1.2	74.9
SC170293	704698	8410777	Rock Chip	Pegmatite	5	<4	480	0.4	0.8	0.1	<0.8	8.3	0.8	10.9
SC170294	704441	8411055	Rock Chip	Aplite	6	11	39	3	0.4	0.1	<0.8	11	<0.5	100.5
SC170295	706078	8410986	Rock Chip	Quartz Vein	6	<4	198	0.5	0.6	0.1	<0.8	2	<0.5	2.5
SC170296	706420	8410996	Rock Chip	Granite	6	11	173	3.4	0.8	0.1	<0.8	71.3	1.7	29.4
SC170297	705727	8411392	Rock Chip	Quartz Breccia	5	9	134	3.3	0.6	0.1	<0.8	12.6	1	13.1
SC170298	705093	8411388	Rock Chip	Pegmatite	<5	4	151	1.7	0.8	0.1	<0.8	32.1	2.8	22
SC170299	705081	8411395	Rock Chip	Pegmatite	5	<4	150	2	0.6	0.1	<0.8	18.1	2.6	20.8
SC170301	705073	8411401	Rock Chip	Pegmatite	<5	<4	133	3	1.2	0.1	<0.8	28.7	3.5	15.3
SC170302	704832	8411392	Rock Chip	Pegmatite	6	<4	336	7.9	1	0.1	<0.8	21.6	1.2	101
SC170303	705071	8411405	Rock Chip	Granite	6	6	286	3.1	0.7	0.1	<0.8	27.9	1.2	9.5
SC170304	704525	8411097	Rock Chip	Pegmatite	6	6	205	132	1.5	0.1	<0.8	25.9	4.4	632
SC170305	704869	8411437	Rock Chip	Pegmatite	6	<4	52	6.9	0.4	0.1	<0.8	3.1	0.7	69.9
SC170306	705100	8411441	Rock Chip	Pegmatite	5	4	432	0.4	2.2	0.1	<0.8	6.3	0.8	18
SC170307	704799	8411317	Rock Chip	Pegmatite	5	6	225	8.1	0.7	0.1	<0.8	13.8	1.2	62.4
SC170308	704797	8411552	Rock Chip	Quartz Breccia	5	4	156	2.8	0.4	0.1	<0.8	27.7	0.5	3.8
SC170309	705235	8411658	Rock Chip	Pegmatite	5	7	297	1.4	0.5	0.1	<0.8	11.3	1.1	40.4
SC17002	695775	8429200	Soil	Sandstone	<5	15	198	2	0.3	0.2	<0.8	47.8	1.2	41.5
SC17003	695800	8429200	Soil	Sandstone	5	11	188	2	0.4	0.2	<0.8	46.6	1.7	49.9
SC17004	695825	8429200	Soil	Sandstone	<5	10	194	2.3	0.6	0.2	<0.8	43.5	1.4	75.4
SC17005	695850	8429200	Soil	Sandstone	<5	17	161	2	0.5	0.2	1.3	45.6	1.1	36.4
SC17006	695875	8429200	Soil	Sandstone	<5	6	141	1.7	0.3	0.1	<0.8	40.5	1.5	20.8
SC17007	695900	8429200	Soil	Sandstone	<5	16	171	1.7	0.4	0.2	<0.8	46.8	1.1	24.8
SC17008	695925	8429200	Soil	Pegmatite	6	8	285	2.8	1.3	0.2	<0.8	67.7	1.9	34.2
SC17009	695950	8429200	Soil	Quartz Sandstone	<5	9	249	2.4	0.3	0.2	<0.8	69.5	1.8	25.8
SC17010	695975	8429200	Soil	Sandstone	<5	<4	195	2.2	0.2	0.3	<0.8	54.8	2	15.7
SC17011	695775	8429400	Soil	Sandstone	<5	12	181	1.9	0.3	0.1	0.8	49	1.4	11
SC17012	695750	8429400	Soil	Sandstone	<5	9	184	2.4	0.4	0.1	<0.8	47.8	1.8	15
SC17013	695725	8429400	Soil	Sandstone	<5	11	188	1.8	0.4	0.1	<0.8	48.1	1.4	12.3
SC17014	695700	8429400	Soil	Sandstone	<5	11	163	1.2	0.6	0.1	<0.8	39	1.1	9.6
SC17015	695675	8429400	Soil	Quartz Sandstone	<5	8	227	2.4	1.2	0.1	<0.8	55	1	21
SC17016	695650	8429400	Soil	Quartz Sandstone	<5	9	180	2.4	0.9	0.2	<0.8	53.3	0.9	22.6
SC17017	695625	8429400	Soil	Quartz Sandstone	<5	10	203	2.2	1.1	0.1	<0.8	60.7	1.1	30.4
SC17018	695600	8429400	Soil	Pegmatite	<5	31	342	4.3	2.4	0.1	<0.8	72.1	0.9	128
SC17019	695575	8429400	Soil	Quartz Sandstone	<5	19	201	2.4	1.1	0.2	<0.8	52.6	1.3	55.1
SC17020	695550	8429400	Soil	Quartz Sandstone	<5	19	201	2.3	1	0.2	<0.8	52.1	1.4	38.9
SC17021	695525	8429400	Soil	Quartz Sandstone	<5	14	245	1.9	0.5	0.1	<0.8	58.7	1.7	27.4
SC17022	695500	8429400	Soil	Sandstone	<5	8	195	1.5	0.3	0.2	<0.8	54.7	1.5	8.9
SC17023	695650	8429200	Soil	Sandstone	<5	15	147	1.3	0.3	0.1	<0.8	44.4	1.5	8
SC17024	695675	8429200	Soil	Sandstone	<5	8	156	1.6	0.2	0.1	<0.8	41.8	1.2	17.2
SC17026	695700	8429200	Soil	Sandstone	8	6	160	2.9	0.6	0.2	<0.8	50.7	1.6	17
SC17027	695725	8429200	Soil	Sandstone	8	9	186	2	0.5	0.2	<0.8	56.2	1.3	20.5
SC17028	695750	8429200	Soil	Pegmatite	9	13	190	2.3	0.8	0.1	<0.8	51.3	1.3	35.3
SC17029	695350	8429875	Soil	Sandstone	11	5	306	2.8	0.4	0.2	0.8	54.3	3.6	20.7
SC17030	695375	8429875	Soil	Sandstone	8	6	261	2.9	0.2	0.3	<0.8	59.1	3.6	45.2
SC17031	695400	8429875	Soil	Sandstone	12	5	194	2.3	0.5	0.2	<0.8	59.6	1.1	34.8
SC17032	695425	8429875	Soil	Sandstone	7	7	276	2.2	0.4	0.2	<0.8	92.5	1.7	11.5
SC17033	695450	8429875	Soil	Sandstone	9	5	191	1.5	0.4	0.2	<0.8	52.9	1.3	8.7
SC17034	695325	8429875	Soil	Sandstone	9	11	259	3.3	0.4	0.3	<0.8	41.9	2.3	30.3



SampleID	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Ho ppm	In ppm	K %	La ppm	Li ppm	Lu ppm	Mn ppm
SC170282	<20	0.96	0.74	0.41	0.62	17.1	0.74	2.2	0.28	<0.3	6.92	1.48	12	0.12	90
SC170283	<20	0.6	0.33	0.49	0.35	16.7	1.67	2.7	0.02	<0.3	6	5.25	14	<0.05	60
SC170284	<20	1.96	1.05	0.59	1.01	18.2	1.17	2.2	0.41	<0.3	6.98	6.78	29	0.17	130
SC170285	<20	0.82	0.61	0.07	1.2	17.2	0.34	4.3	0.15	<0.3	6.24	2.31	15	0.14	210
SC170286	<20	0.24	0.26	0.53	0.55	16.8	0.34	2.3	0.08	<0.3	8.25	3.16	5	<0.05	70
SC170287	<20	1.07	0.32	0.38	1.71	32	2.47	6.5	0.2	<0.3	5.22	11.85	103	0.06	240
SC170288	<20	2.23	1.35	0.69	1.21	17.9	2.61	2.8	0.39	<0.3	6.49	17.55	11	0.22	80
SC170289	<20	4.83	1.68	1.08	1.91	26.4	9.77	4.9	0.76	<0.3	4.58	93.1	240	0.17	450
SC170290	<20	4.49	3.24	0.57	1.5	16.8	4.2	2.3	1.02	<0.3	6.25	25.1	18	0.38	110
SC170291	<20	0.87	0.28	0.31	1.42	28.6	2.17	7.3	0.15	<0.3	6.22	4.15	39	<0.05	300
SC170292	<20	0.7	0.33	0.39	0.98	17.6	1.29	3.9	0.08	<0.3	6.34	13.25	36	<0.05	90
SC170293	<20	1.29	0.86	0.31	0.64	20.3	0.77	3.6	0.33	<0.3	8.46	4.85	11	0.1	40
SC170294	<20	0.54	0.18	0.29	0.99	10.6	0.83	2.4	0.07	<0.3	1.14	7.71	171	<0.05	240
SC170295	<20	0.04	0.02	<0.03	0.7	2.7	<0.03	2.6	<0.01	<0.3	0.16	1.13	77	<0.05	80
SC170296	<20	1.64	0.83	0.38	1.47	15.5	2.46	1.4	0.25	<0.3	4.47	36.7	25	0.14	90
SC170297	<20	0.62	0.37	0.06	1.4	5.1	0.61	1.2	0.09	<0.3	0.91	5.84	86	0.05	140
SC170298	<20	1.48	0.81	0.31	1.84	9.4	1.85	1.1	0.24	<0.3	1.77	14.75	18	0.05	140
SC170299	<20	0.99	0.46	0.36	1.28	9.8	1.58	1.7	0.16	<0.3	1.87	7.72	17	0.16	160
SC170301	<20	2.02	0.82	0.38	1.57	11	2.68	1.2	0.31	<0.3	1.95	11.1	31	0.14	140
SC170302	<20	1.56	0.57	0.41	1.55	26.8	2.18	6.4	0.22	<0.3	3.74	11.15	28	0.06	200
SC170303	<20	1.36	0.57	0.32	3.3	8.1	2.43	0.9	0.2	<0.3	1.42	14.8	33	0.06	80
SC170304	<20	2.35	0.7	0.28	1.54	70.1	4.09	7.7	0.38	<0.3	6.26	11.3	760	<0.05	1210
SC170305	<20	0.11	0.07	0.11	0.95	24.7	0.26	2.5	<0.01	0.3	3.39	1.61	93	<0.05	150
SC170306	<20	0.35	0.15	0.6	0.9	15.1	0.52	1.5	0.06	<0.3	9.09	3.5	7	<0.05	100
SC170307	<20	0.85	0.44	0.38	1.26	25.4	1.99	4.4	0.12	<0.3	3.52	5.79	52	<0.05	180
SC170308	40	0.59	0.13	0.55	1.47	7.5	1.45	1.4	0.12	<0.3	0.79	15	55	<0.05	90
SC170309	<20	1.25	1.05	0.5	1.3	18.9	0.94	0.6	0.27	<0.3	6.51	5.96	17	0.18	80
SC17002	<20	4.75	2.76	0.59	1.44	11.3	4.68	2.3	0.86	<0.3	1.52	23.7	106	0.32	90
SC17003	<20	5.75	3.56	0.83	1.4	10.5	4.74	2.8	1.02	<0.3	1.33	23.9	150	0.37	120
SC17004	<20	5.51	3.08	0.58	1.43	9.7	4.28	3.7	0.98	<0.3	1.29	24.2	230	0.39	140
SC17005	<20	5.5	3.22	0.56	1.5	9.6	4.73	3.3	1.03	<0.3	1.19	24.9	125	0.45	100
SC17006	<20	4.75	2.69	0.62	1.25	9.6	4.09	2.5	0.85	<0.3	1.17	21.6	68	0.4	70
SC17007	<20	4.33	2.53	0.65	1.33	11.2	3.97	2.6	0.77	<0.3	1.39	24.4	97	0.27	90
SC17008	<20	4.96	3.1	0.93	1.52	15.2	5.65	3	0.95	<0.3	2	35.2	153	0.4	140
SC17009	<20	5.53	3.07	0.83	1.62	11.4	5.56	2.1	1.05	<0.3	1.44	36.7	109	0.32	110
SC17010	<20	3.82	1.95	0.61	1.38	9.7	4.02	2.1	0.64	<0.3	1.24	27.8	66	0.28	160
SC17011	<20	4.81	2.61	0.65	1.66	11.7	3.85	1.8	0.8	<0.3	1.55	25.2	36	0.3	60
SC17012	<20	4.22	2.03	0.55	1.49	11.5	4.29	2	0.77	<0.3	1.38	23.9	55	0.25	80
SC17013	<20	3.88	2.38	0.88	1.12	10.1	4.75	2	0.82	<0.3	1.2	24.5	47	0.35	60
SC17014	<20	4.11	2.22	0.54	0.96	8.9	3.84	1.7	0.72	<0.3	1.09	20.4	36	0.25	60
SC17015	<20	4.36	2.28	0.86	1.1	11	4.73	2	0.77	<0.3	1.47	28.7	96	0.31	90
SC17016	<20	4.65	2.62	0.76	0.92	9.2	4.62	2.5	0.87	<0.3	1.2	27.3	83	0.34	70
SC17017	<20	4.12	2.03	0.91	0.89	8.9	4.77	2.3	0.73	<0.3	1.11	34.1	112	0.32	80
SC17018	<20	4.95	2.65	1.01	1.26	17	6.48	3.2	0.91	<0.3	2.13	37	400	0.4	230
SC17019	<20	4.39	2.11	0.7	1.07	10.7	4.84	2.6	0.84	<0.3	1.25	27.9	168	0.29	160
SC17020	<20	4.7	2.28	0.75	1.19	9.6	5.25	2.4	0.86	<0.3	1.15	27	128	0.35	120
SC17021	<20	4.47	2.49	0.79	1.16	10.7	5.48	2	0.86	<0.3	1.32	30.5	85	0.44	100
SC17022	<20	4.34	2.64	0.72	1.13	8.8	5.29	1.5	0.73	<0.3	1.14	28.4	25	0.36	50
SC17023	<20	3.92	1.87	0.47	1.82	9.1	4.21	1.9	0.77	<0.3	1.26	23.1	25	0.34	90
SC17024	<20	3.74	1.7	0.53	1.28	10	4.13	1.7	0.57	<0.3	1.39	21.1	49	0.23	60
SC17026	<20	4.69	2.79	0.4	1.36	11.1	4.47	2.2	0.9	<0.3	1.3	24.9	82	0.35	90
SC17027	<20	4.93	2.09	0.47	1.32	12.1	4.42	2	0.83	<0.3	1.67	27.7	65	0.31	80
SC17028	<20	4.99	2.25	0.61	1.23	10.8	4.93	2	0.94	<0.3	1.45	25.8	115	0.33	100
SC17029	<20	5.64	3.4	0.6	1.12	13.9	4.89	1.7	1.08	<0.3	1.97	26.6	52	0.34	220
SC17030	<20	5.64	2.68	0.84	1.46	12.9	5.12	2.2	0.97	<0.3	1.82	28.8	104	0.34	280
SC17031	<20	5.67	3.13	0.74	1.14	10.9	5.66	1.7	1.11	<0.3	1.59	28.4	56	0.4	70
SC17032	<20	5.12	2.78	1.1	1.49	14.1	6.32	1	0.98	<0.3	2.01	45.3	21	0.3	60
SC17033	<20	3.98	1.9	0.81	0.98	8.9	4.41	1.1	0.68	<0.3	1.21	26.4	15	0.26	60
SC17034	<20	3.92	2.37	0.56	1.23	13.8	4.57	2.6	0.82	<0.3	1.98	21.4	83	0.34	270



SampleID	Mo ppm	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Re ppm	Sb ppm	Se ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm
SC170282	<2	1.9	1.51	<10	30.7	0.24	346	<0.01	<0.3	<3	0.42	9	40	1.32	0.12
SC170283	4	7.7	6.99	<10	21	1.71	336	<0.01	0.4	<3	1.21	25	20	3.28	0.09
SC170284	<2	2.7	4.5	<10	36.8	1.59	473	<0.01	<0.3	<3	1.27	35	60	1.59	0.25
SC170285	<2	6.1	2.12	<10	21.5	0.59	719	<0.01	<0.3	<3	0.5	53	<20	2.72	0.11
SC170286	<2	2.4	1.1	<10	42.1	0.49	485	<0.01	<0.3	<3	0.22	13	60	0.41	0.05
SC170287	<2	110.5	14.5	<10	43.6	3.69	850	<0.01	0.5	11	2.55	582	30	68.7	0.29
SC170288	<2	8.9	14.95	<10	37.6	3.86	365	<0.01	0.5	<3	2.82	13	70	1.38	0.37
SC170289	<2	34.7	83.8	<10	19.2	22.6	798	<0.01	<0.3	4	14.85	240	100	12.7	1.05
SC170290	<2	9.1	19.7	<10	38.6	5	389	<0.01	<0.3	6	4.45	14	50	1.11	0.79
SC170291	<2	78.7	5.8	<10	9.5	1.35	1270	<0.01	0.3	<3	2.72	1190	30	62.4	0.22
SC170292	3	29.4	9.14	<10	15.3	2.82	809	<0.01	<0.3	<3	1.41	143	30	12.75	0.18
SC170293	<2	4.3	2.64	<10	41.6	0.88	534	<0.01	<0.3	<3	0.53	36	70	0.57	0.23
SC170294	<2	23.2	6.82	<10	5.8	1.82	390	<0.01	0.3	<3	1.13	421	<20	8.89	0.1
SC170295	<2	1.9	0.89	<10	2.1	0.25	10.5	<0.01	2.1	<3	0.37	10	<20	0.46	0.02
SC170296	<2	22.8	25.8	<10	22.5	7.22	271	<0.01	<0.3	<3	4.1	5	30	2.08	0.3
SC170297	<2	3.1	5.08	<10	9.6	1.24	49.9	<0.01	1.6	<3	1.15	8	20	0.37	0.12
SC170298	<2	5.4	13.35	<10	3	3.9	151	<0.01	<0.3	<3	2.61	5	20	0.42	0.24
SC170299	<2	5.6	8.32	<10	2	1.98	153	<0.01	<0.3	<3	1.79	4	<20	0.45	0.19
SC170301	<2	20.5	14.1	<10	2.2	3.73	149	<0.01	0.3	4	4.26	8	<20	46.7	0.32
SC170302	<2	74.7	9.41	<10	3.8	2.44	576	<0.01	<0.3	<3	2.38	725	20	82.4	0.26
SC170303	<2	6.1	13.1	<10	12.5	3.48	92	<0.01	0.6	<3	3.4	8	<20	11.2	0.28
SC170304	<2	135	17.85	<10	7.7	3.93	2670	<0.01	<0.3	<3	3.73	420	20	55.6	0.46
SC170305	<2	39.7	1.65	<10	2.6	0.42	722	<0.01	0.6	<3	0.22	217	<20	16.7	<0.01
SC170306	<2	2.3	2.82	<10	47.6	0.84	547	<0.01	<0.3	<3	0.76	13	60	5.88	0.1
SC170307	<2	54.7	7.23	<10	7	1.87	619	<0.01	<0.3	5	1.75	331	20	16.95	0.25
SC170308	<2	3.9	11.5	<10	63.9	3.03	58.8	<0.01	1.2	11	2.51	7	20	1.77	0.15
SC170309	<2	12.1	4.9	<10	42.6	1.38	410	<0.01	<0.3	<3	1.09	13	40	1.82	0.26
SC17002	<2	24.6	19.85	10	4.6	5.65	137.5	0.01	0.8	<3	3.95	1560	40	26	0.72
SC17003	<2	21.8	18.45	<10	4.9	5.53	122.5	0.01	0.6	3	3.79	1320	40	19.6	0.88
SC17004	<2	26.6	16.9	<10	4.4	4.85	154.5	<0.01	0.4	3	3.42	641	40	26.3	0.87
SC17005	<2	15.8	17.6	<10	4.1	5.36	93.8	<0.01	<0.3	<3	3.28	263	30	16.5	1
SC17006	<2	11.1	15.6	<10	4.8	4.61	74.7	0.01	<0.3	<3	3.69	175	30	4.5	0.69
SC17007	<2	13.1	18.2	<10	4.1	5.23	94.5	<0.01	0.3	3	3.37	231	40	5.4	0.66
SC17008	<2	14.7	27	<10	5.7	8.43	145	0.01	<0.3	3	5.26	253	70	8.52	0.9
SC17009	<2	11.6	29.3	10	5.3	8.11	111	<0.01	1	<3	5.28	126	50	5.69	0.83
SC17010	<2	15.6	24.9	10	4.5	6.45	102	<0.01	0.7	<3	4.63	97	50	8.81	0.65
SC17011	<2	10.5	22.2	<10	4.5	5.77	80.6	<0.01	<0.3	<3	4.17	169	40	3.87	0.67
SC17012	<2	12.1	19.5	20	4.7	5.54	88.8	<0.01	0.5	3	5.27	308	40	8.15	0.65
SC17013	<2	11.1	21.4	10	5.3	5.71	73.5	0.01	0.3	<3	4.04	500	40	7.61	0.69
SC17014	<2	8	17.9	<10	5.1	4.97	64.7	<0.01	<0.3	5	3.2	234	30	1.46	0.6
SC17015	<2	8.5	24.6	<10	5.8	6.92	101	<0.01	<0.3	<3	5.04	168	50	2.05	0.77
SC17016	<2	10.8	21.6	10	6.6	6.28	86.7	<0.01	0.4	4	4.62	264	40	4.67	0.74
SC17017	<2	10.3	22.4	10	6.2	6.57	86.9	<0.01	1	4	4.86	227	40	6.9	0.66
SC17018	<2	20.1	33.9	10	8	8.53	344	<0.01	0.5	<3	5.75	813	90	12.7	1.01
SC17019	<2	23.7	20.4	10	5.6	6.17	183.5	0.01	0.3	<3	3.94	1220	60	19.1	0.68
SC17020	<2	23.5	21.7	10	6	5.78	114.5	0.01	<0.3	5	4.57	545	70	17.75	0.77
SC17021	<2	17	25.4	10	6.2	6.84	115	<0.01	0.5	<3	5.35	535	60	12.75	0.85
SC17022	<2	10.9	22.5	20	5.9	6.05	80.7	0.01	0.6	3	4.45	59	40	8.73	0.77
SC17023	<2	9	18.6	<10	5.2	5.38	67.3	<0.01	0.3	<3	3.9	39	40	2.01	0.59
SC17024	<2	13.9	16.6	<10	4.2	5.07	89.9	<0.01	<0.3	7	3.56	484	30	13.95	0.58
SC17026	<2	17.5	19.65	<10	5.1	5.69	107	<0.01	0.5	<3	4.31	472	40	21.6	0.76
SC17027	<2	15.4	21.9	<10	4.7	6.38	120.5	<0.01	0.8	<3	4.55	334	50	15.65	0.84
SC17028	<2	19.7	19.2	<10	5	5.6	123	<0.01	0.6	<3	4.02	883	60	18.85	0.89
SC17029	<2	13.5	20.9	<10	4.9	6.25	130	<0.01	0.5	<3	3.93	113	40	11.9	0.94
SC17030	<2	15.7	22.9	<10	5.3	6.68	183	<0.01	0.4	<3	5.76	459	50	24.1	0.92
SC17031	<2	21.7	24.9	<10	4.5	6.63	148.5	<0.01	0.6	<3	5.66	615	60	50.2	1
SC17032	<2	10.5	37.6	<10	4.7	10.3	110	<0.01	<0.3	<3	6.95	50	50	2.79	0.89
SC17033	<2	10.6	21.5	<10	4.6	6.14	69.5	<0.01	0.3	<3	4.6	49	40	6.97	0.74
SC17034	<2	22.2	16.7	<10	4	4.63	195.5	<0.01	1.1	<3	3.6	62	40	10.25	0.8



SampleID	Te ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Au ppm	Pt ppm	Pd ppm
SC170282	<0.5	1.1	<0.005	2.36	0.13	2	1	0.7	6.7	0.74	<10	0.001	<0.0005	<0.001
SC170283	<0.5	0.4	<0.005	2.06	0.02	1	3	3.7	3.4	0.46	10	0.001	<0.0005	<0.001
SC170284	<0.5	3.9	0.011	3.11	0.15	1.9	6	5.6	13.6	1.06	20	0.001	<0.0005	<0.001
SC170285	<0.5	2.1	0.011	4.38	0.08	3.5	2	1.9	5.7	0.87	70	0.001	<0.0005	<0.001
SC170286	<0.5	0.5	0.01	2.95	0.05	0.8	3	0.6	1.7	<0.02	10	0.001	<0.0005	<0.001
SC170287	<0.5	2.9	0.023	5.34	0.05	6.9	3	24.7	5	0.35	80	0.001	<0.0005	<0.001
SC170288	<0.5	5.5	0.051	2.28	0.16	2.5	10	1.9	15.3	1.55	20	0.001	<0.0005	<0.001
SC170289	<0.5	26.7	0.101	4.41	0.18	7.6	13	18.5	19.9	0.83	70	0.001	<0.0005	<0.001
SC170290	0.5	13.1	0.065	2.25	0.52	5	14	1.5	34.5	2.64	20	0.001	<0.0005	<0.001
SC170291	<0.5	1.1	0.011	7.44	0.01	5.3	3	25	5.4	0.15	70	0.001	<0.0005	<0.001
SC170292	<0.5	1	0.006	5.23	0.01	2.4	4	5.9	3.6	<0.02	20	0.001	<0.0005	<0.001
SC170293	<0.5	3.6	0.031	3.12	0.1	2	7	0.8	8.9	0.64	10	0.001	<0.0005	<0.001
SC170294	<0.5	0.5	<0.005	1.79	0.01	9.8	4	5.8	3.1	0.07	70	0.001	<0.0005	<0.001
SC170295	<0.5	0.4	<0.005	0.08	<0.01	0.4	5	0.4	0.5	<0.02	<10	0.001	<0.0005	<0.001
SC170296	<0.5	14.9	0.083	1.95	0.19	3.1	5	7.8	7.8	0.87	20	0.001	<0.0005	<0.001
SC170297	0.6	2.5	0.016	0.12	0.02	3.8	11	4.1	3.6	0.03	<10	0.003	<0.0005	<0.001
SC170298	0.7	7.4	0.14	0.68	0.02	3	23	6.5	7.2	0.38	20	0.001	<0.0005	0.001
SC170299	<0.5	7.6	0.144	0.63	0.06	2.6	31	3.3	5.3	0.69	20	0.001	<0.0005	<0.001
SC170301	<0.5	7.3	0.172	0.59	0.1	3.7	28	5.8	10	0.96	20	0.004	0.0005	0.001
SC170302	<0.5	3.4	0.056	2.53	0.06	8.3	16	29.4	7.1	0.54	40	0.001	<0.0005	<0.001
SC170303	<0.5	8.4	0.08	0.43	0.05	4	21	29.1	6.1	0.27	10	0.002	<0.0005	0.001
SC170304	<0.5	1.2	0.022	12.5	0.09	8.4	2	31.7	9.9	0.32	270	0.001	<0.0005	0.001
SC170305	<0.5	0.8	<0.005	2.7	<0.01	1.3	4	13	0.9	<0.02	50	0.001	<0.0005	<0.001
SC170306	<0.5	1.2	0.01	3.68	0.02	1.2	2	1.2	2.1	0.11	10	0.001	<0.0005	<0.001
SC170307	<0.5	1	0.014	3.6	<0.01	1.9	1	15.2	3.3	0.23	60	0.001	<0.0005	0.001
SC170308	<0.5	3.7	0.02	0.49	0.01	2.4	23	18.3	2.1	0.05	10	0.001	<0.0005	<0.001
SC170309	<0.5	5.1	0.092	2.58	0.16	1.2	9	3.3	10.7	0.88	20	0.001	<0.0005	0.001
SC17002	0.6	11	0.183	0.75	0.37	2.9	23	17.6	25.3	2.5	50			
SC17003	<0.5	10.7	0.186	0.54	0.43	2.8	23	17.6	32.1	2.63	30			
SC17004	<0.5	9.3	0.179	1.02	0.38	2.7	27	16.8	32.8	2.89	40			
SC17005	<0.5	10.6	0.183	0.55	0.42	2.7	23	20.5	31.2	2.73	20			
SC17006	<0.5	9.4	0.196	0.37	0.32	2.5	25	12.7	26.9	2.62	20			
SC17007	<0.5	10.9	0.21	0.57	0.29	2.5	26	15.9	24.2	2.28	20			
SC17008	<0.5	13.4	0.232	0.67	0.35	3.6	42	19	28.7	2.49	40			
SC17009	0.9	13.4	0.203	0.75	0.39	2.4	33	18.2	26.7	2.67	60			
SC17010	<0.5	11.1	0.191	0.57	0.32	1.9	27	11.1	20.4	2.02	40			
SC17011	<0.5	12.7	0.214	0.43	0.3	2.7	28	12.6	23.7	2.53	30			
SC17012	0.6	11.2	0.197	0.55	0.42	2.6	32	14.4	19.8	2.21	10			
SC17013	<0.5	10.4	0.183	0.43	0.32	3	30	10.5	23.5	2.42	20			
SC17014	<0.5	9.1	0.161	0.28	0.28	2.7	23	8.7	19.7	1.73	20			
SC17015	<0.5	11.6	0.191	0.57	0.27	3.4	27	17.8	23.1	1.88	20			
SC17016	0.5	11.3	0.186	0.55	0.32	3	24	16.5	23.6	2.37	70			
SC17017	0.7	11.2	0.182	0.54	0.27	2.8	23	16.5	22.3	2.19	70			
SC17018	<0.5	13.6	0.215	2.07	0.35	4.5	31	36.4	24.1	2.42	70			
SC17019	0.8	10.5	0.187	1.01	0.35	3.3	23	28.5	20.9	2.26	40			
SC17020	<0.5	10.8	0.196	0.61	0.37	3.1	24	24.1	22.9	2.64	20			
SC17021	<0.5	11.3	0.204	0.64	0.39	2.8	28	15.6	24.7	2.59	20			
SC17022	<0.5	11	0.179	0.35	0.37	2.7	22	7.2	24.5	2.63	20			
SC17023	<0.5	11	0.177	0.25	0.32	2.3	25	12.4	20.3	1.97	20			
SC17024	<0.5	9.7	0.165	0.38	0.29	2.1	23	13.4	21	1.9	20			
SC17026	<0.5	11.5	0.177	0.4	0.37	2.9	22	12.5	26.3	2.7	30			
SC17027	<0.5	12	0.184	0.57	0.3	2.8	25	13	24.6	2.56	20			
SC17028	<0.5	11.3	0.188	0.74	0.4	3.4	24	16.8	28.9	2.66	30			
SC17029	0.7	12.5	0.233	0.39	0.38	4.5	27	11.1	31.9	2.51	30			
SC17030	<0.5	14.1	0.213	0.82	0.38	3.4	26	15.6	29.5	2.68	40			
SC17031	<0.5	14	0.175	0.59	0.32	4	22	13.7	32.9	2.7	30			
SC17032	<0.5	15.7	0.208	0.32	0.35	3.2	34	9.3	25.8	2.65	20			
SC17033	<0.5	10.4	0.174	0.24	0.23	2.2	24	5.5	20.2	1.58	20			
SC17034	<0.5	10.6	0.141	0.76	0.37	4.4	16	19.2	25.5	2.3	30			