

Draft

Technical Memorandum

To	Troy Collie	Client	Ausgold Exploration Pty Ltd
From	Alison Hendry	Project	AUG037
Cc		Date	14 March 2025
Subject	Katanning Gold Project: supplementary sub-surface materials characterisation – Phase 1 geochemical characterisation results summary		

1 Introduction

Ausgold Exploration Pty Ltd (Ausgold) has engaged SRK Consulting (Australasia) Pty Ltd (SRK) to complete a supplementary geochemical materials characterisation assessment in support of the Katanning Gold Project (KGP) definitive feasibility study (DFS). The proposed project includes open pit mining of the Jackson, Jinkas, Oly and Dingo deposits. The outcomes from the program will be used to support the DFS and environmental approvals submissions, and inform closure planning.

This memorandum provides a preliminary summary of the Phase 1 geochemical characterisation results for the waste rock (161) and ore (14) samples currently being assessed as part of the DFS materials characterisation program.

2 Phase 1 geochemical results summary

2.1 Waste rock samples

The Phase 1 geochemical characterisation results for the waste rock samples are provided in Attachment 1 to Attachment 4, and summarised as follows.

Acid potential

- The total sulfur content of the waste rock samples ranged from <0.01% to 3.4% S, with a median value of 0.047% S.
- Median sulfur contents in the waste rock lithologies are typically low; all waste lithologies have median sulfur contents below 0.1% S (except for the dolerite samples which have a maximum sulfur content of 0.4% S and gave a median of 0.2% S).
- A small proportion of samples (9%) had sulfur contents above 0.3% S. These included samples from the tm, tb, ti, ts, md and gm lithologies.
- Calculated maximum potential acidity (MPA) values for the waste rock samples ranged from <0.3 kgH₂SO₄/t to 784 kgH₂SO₄/t (median 1.4 kgH₂SO₄/t).

Neutralising potential

- Acid neutralising capacity (ANC) values ranged from $<0.5 \text{ kgH}_2\text{SO}_4/\text{t}$ to $650 \text{ kgH}_2\text{SO}_4/\text{t}$. However, ANC values were typically low (median $15 \text{ kgH}_2\text{SO}_4/\text{t}$).
- A small proportion (8%) of samples had ANC values above $30 \text{ kgH}_2\text{SO}_4/\text{t}$. The highest ANC values ($>200 \text{ kgH}_2\text{SO}_4/\text{t}$) were recorded for three calc-silicate (xx) samples ($230\text{--}650 \text{ kgH}_2\text{SO}_4/\text{t}$) and a garnet (dominant) quartz granulite (tg) sample ($400 \text{ kgH}_2\text{SO}_4/\text{t}$).

Net acid production potential and net acid generation

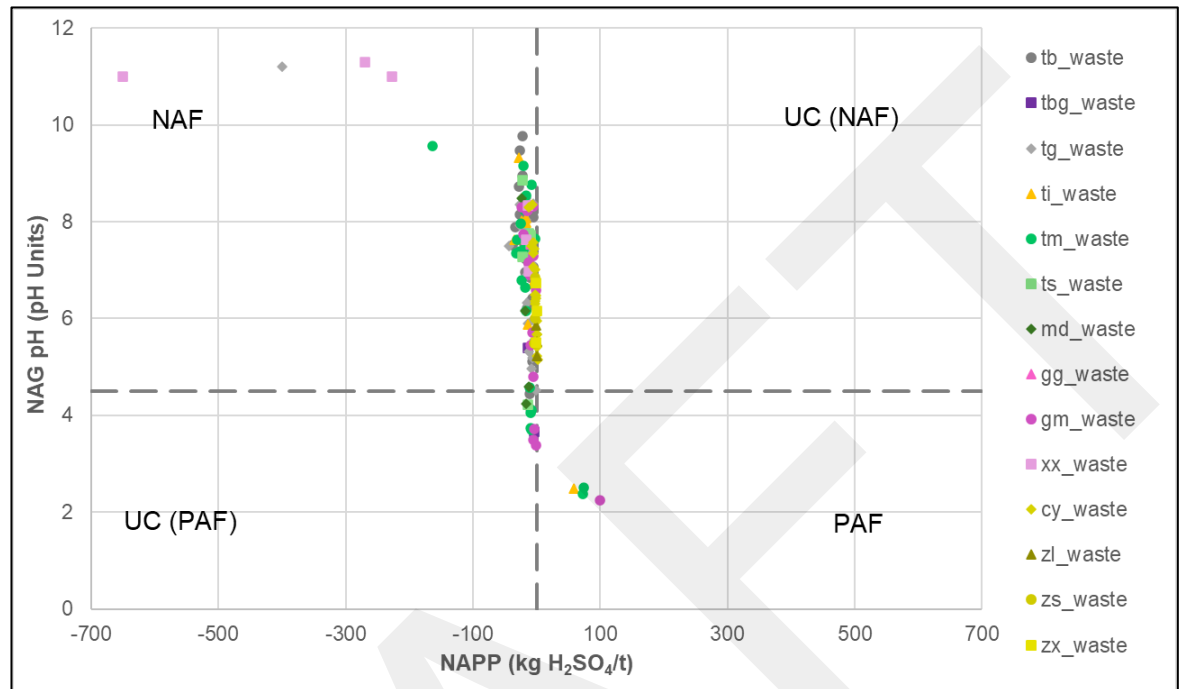
- Calculated net acid production potential (NAPP) values ranged from $-650 \text{ kgH}_2\text{SO}_4/\text{t}$ to $99 \text{ kgH}_2\text{SO}_4/\text{t}$ (median $-11 \text{ kgH}_2\text{SO}_4/\text{t}$). Negative NAPP values were calculated for most samples, indicating an excess of neutralising capacity (based on the total ANC results).
- Single-addition net acid generation (NAG) tests generated NAG solutions with NAG pH values that ranged from pH 2.3 to pH 11.3. Typically NAG pH values were above pH 5 (82% of samples) and associated NAG acidities were low ($<5 \text{ kgH}_2\text{SO}_4/\text{t}$). This indicates that for most samples the acid generation potential is low.
- Acidic NAG solutions ($<\text{pH } 4.5$) were generated from 16 samples (10%) with higher sulfur contents (0.26% S to 3.4% S).
- Comparison of the NAG acidities with calculated NAPP values suggests that incomplete oxidation of sulfide minerals has occurred in the NAG tests on samples with sulfur contents above 2% S. [It is noted that there are no waste rock samples in the sample set with total sulfur contents between 0.5% and 2.4% S – incomplete oxidation of samples subjected to a single-addition NAG test is commonly observed in samples with 1% sulfide content or higher.]

Geochemical classification

The geochemical classifications of the waste rock samples are shown in Figure 2.1.

- Most samples (137; 85%) class as non-acid forming (NAF), including 19 samples that class as NAF-Barren (with ANC values $<5 \text{ kgH}_2\text{SO}_4/\text{t}$).
- Eight samples are classed as uncertain NAF (UC(NAF)), with NAG pH values above pH 4.5 and low positive NAPP values. These samples are all shallow oxide zone samples (cy, zl, zx) and it is likely that the sulfur present is in a form that does not generate acidity (e.g. gypsum).
- Four samples class as potentially acid forming (PAF) – these samples all have high sulfur contents (2.4% to 3.4% S).
- Twelve samples class as UC(PAF); these samples have negative NAPP values but generated acidic NAG pH values. It is likely that these samples contain iron carbonates (such as siderite) which contribute to the total ANC recorded but do not contribute to acid neutralisation. These samples have sulfur contents that range from 0.26% S to 0.49% S. For waste management purposes, these samples would be treated as PAF-classed materials.

Figure 2.1: Geochemical classification of waste rock samples (AMIRA, 2002)



Multi-element assessment and Geochemical Abundance Indices

Multi-element analysis and calculated Geochemical Abundance Indices (GAI) are provided in Attachment 4. Based on the calculated GAI, elements with GAI of 3 or greater are considered to represent 'enriched' concentrations relative to average crustal abundances.

- Elements considered to be present in enriched concentrations (in more than 10% of samples for one or more waste lithology) include: Ag, As, Cl, S, Se, Te (predominantly due to analytical constraints – i.e. LOD¹ values exceeded the GAI 3 threshold) and W.

Fibrous mineral screening

Twenty-three waste rock samples were submitted for fibrous mineral screening, including samples from a range of waste rock lithologies and sample depths. No trace fibres were identified in any of the screened samples.

2.2 Ore-grade samples

Acid potential

- The total sulfur content of the ore-grade samples ranged from 0.037% to 8.8% S, with a median value of 0.68% S.
- MPA values for the ore-grade samples ranged from 1.1 kgH₂SO₄/t to 270 kgH₂SO₄/t (median 20.7 kgH₂SO₄/t).

¹ LOD – limit of detection

Neutralising potential

- ANC values for ore samples are low, ranging from <0.5 to 26 kgH₂SO₄/t.

Net acid production potential and net acid generation

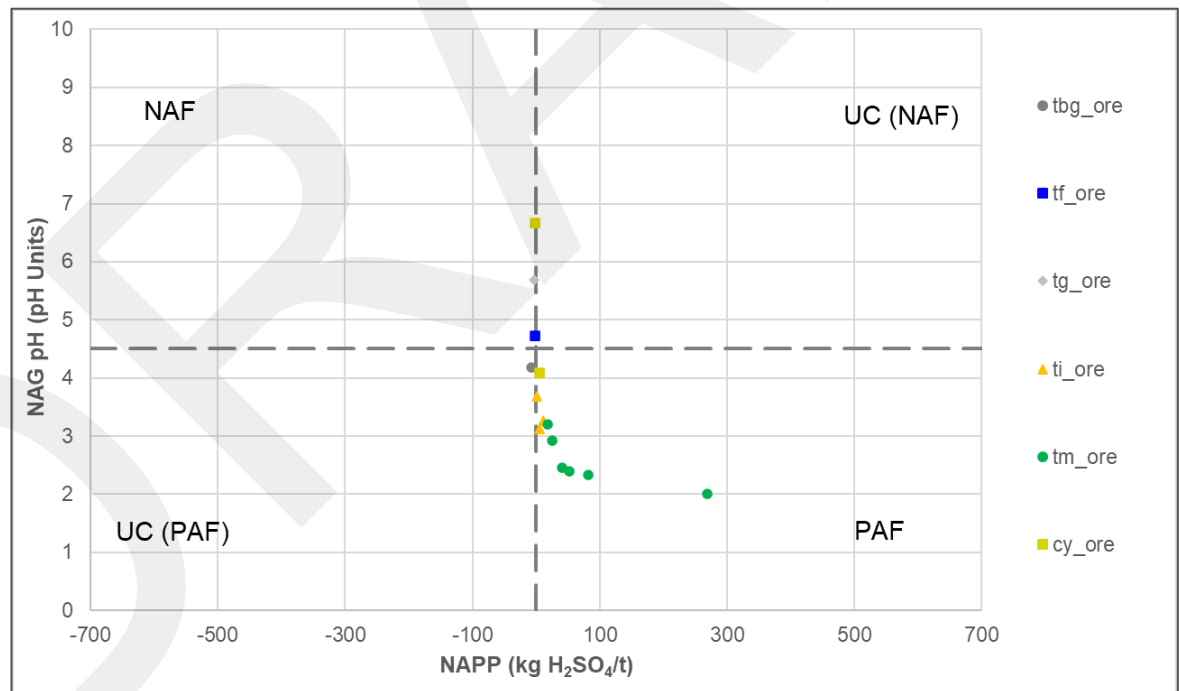
- NAPP values ranged from -6.9 kgH₂SO₄/t to 269 kgH₂SO₄/t (median 8.7 kgH₂SO₄/t). Most samples had positive calculated NAPP values, indicating a deficit neutralising capacity (based on the total ANC results).
- NAG pH values generated from the ore samples ranged from NAG pH 2.0 to NAG pH 6.7; most samples (11 of 14) gave acidic NAG pH values below pH 4.5.

Geochemical classification

The geochemical classifications of the ore-grade samples are shown in Figure 2.2.

- Most of the ore samples classed as PAF (10), including 3 samples that classed as PAF with a low capacity to generate acid (with NAPP values <5 kgH₂SO₄/t). A further sample classed as UC(PAF) which had a NAG pH of 4.2 and a low negative NAPP value (-7 kgH₂SO₄/t).
- Two samples (tg and tf) classed as NAF – these samples had lower-range sulfur contents (0.21% S to 0.23% S). One sample (cy) was classed as NAF-Barren.

Figure 2.2: Geochemical classification of ore-grade samples (AMIRA, 2002)



Multi-element assessment and Geochemical Abundance Indices

- Elements considered to be present in enriched concentrations (in more than 10% of samples for one or more ore-grade lithology assessed) include: Ag, Bi, Re, S, Se, Te and W.
- The enriched concentrations of Re and Te are predominantly due to LOD values exceeding their respective GAI 3 concentration thresholds.

Fibrous mineral screening

A mafic granulite sample was submitted for fibrous mineral screening – no trace fibres were identified in the sample.

3 Preliminary conclusions

The sulfur contents of the waste rock samples were typically low (median 0.047% S), however, approximately one-third of the samples had sulfur contents above 0.1% S (up to a maximum of 3.4% S). A sulfur threshold of 0.1% S is often used as a preliminary indicator of materials that may be PAF (particularly for materials with low or absent ANC).

The neutralising potential of the waste rock lithologies is typically low (<30 kgH₂SO₄/t).

Most waste rock samples classed as NAF (137 of 161 samples) or UC(NAF) (8 samples), based on acid base accounting using total sulfur and total ANC measurements. The classifications of some of these samples may be adjusted once Phase 2 testwork results are available (such as carbon/sulfur speciation testwork results and acid buffering characteristic curves to assess the availability of ANC for acid neutralisation).

The remaining waste rock samples (16, 10% of waste samples) had higher sulfur contents and either classed as PAF (2.4% S to 3.4% S; 4 samples) or UC(PAF) (0.26% S to 0.49% S; 12 samples).

The ore samples had higher sulfur contents (median 0.68% S) than the waste rock samples, with low ANC values (median 13 kgH₂SO₄/t) and predominantly classed as PAF.

4 Forward works

The selection of samples for Phase 2 geochemical testwork is currently underway. Subsets of samples will be submitted for the following Phase 2 static geochemical tests:

- sulfur speciation tests – chromium reducible sulfur (sulfide-S) and HCl digestible sulfur (sulfate-S)
- carbon speciation (total organic carbon and total inorganic carbon) analysis
- acid buffering characteristic curves
- mineralogical assessment by quantitative x-ray diffraction
- static batch deionised water leach tests (1:3 solid:liquid contact ratio; 24-hour contact duration).

Regards
SRK Consulting (Australasia) Pty Ltd

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Attachments:

Attachment 1	Phase 1 geochemical results
Attachment 2	Sulfur summary statistics
Attachment 3	ABA summary statistics
Attachment 4	Multi-element and GAI tables

References

AMIRA, 2002. ARD Test Handbook. Project P387A Prediction and Control of Acid Mine Drainage, AMIRA International, May 2002.

Attachment 1 Phase 1 geochemical results

Attachment 1 - Phase 1 Geochemical Results

SRK sample ID		Hole ID	REG	GROUP	ROCK	TYPE	DH type	Grade	Pit Name	Units	pH units	µS/cm	%	kg H2SO4/t	kg H2SO4/t	% CaCO3	-	pH units	kg H2SO4/t	kg H2SO4/t	kg H2SO4/t	Class		
										Weathering	pH	EC	TS (LECO)	MPA	ANC	ANC CaCO3	Fizz	NAG pH	NAG pH4.5	NAG pH7.0	NAPP			
BSDD001 22 24	BSDD001	LS	tg	DD	Waste	jnkas	pw	9.0	440	0.098	3	20	2	1	8.5	<0.5	-17	6.7	NAF	NAF	NAF	NAF	NAF	
BSDD001 58.82 59.59	BSDD001		tb	DD	Waste	jnkas		9.2	300	0.04	1.2	10	1.1	1	6.9	<0.5	-8.8	8.2	NAF	NAF	NAF	NAF	NAF	
BSDD001 96 98	BSDD001		tb	DD	Waste	jnkas		9.6	240	<0.01	<0.31	400	41	4	11	<0.5	-400	1310	NAF	NAF	NAF	NAF	NAF	
BSDD001 109 111	BSDD001		tb	DD	Waste	jnkas		9.1	320	0.024	0.74	24	2.4	1	8	<0.5	-23	32.7	NAF	NAF	NAF	NAF	NAF	
BSDD001 129 131	BSDD001		tm	DD	Waste	jnkas		9.5	210	0.039	1.2	21	2.2	1	8.3	<0.5	-20	17.6	NAF	NAF	NAF	NAF	NAF	
BSDD002 8 10	BSDD002	ls	tg	DD	Waste	jnkas	sw	9.0	340	<0.01	<0.31	9.9	1	1	6.9	<0.5	-9.6	32.3	NAF	NAF	NAF	NAF	NAF	
BSDD002 17 19	BSDD002	ls	tg	DD	Waste	jnkas	sw	8.1	1300	0.012	0.37	6.6	0.67	0	7.4	<0.5	-6.2	18.0	NAF	NAF	NAF	NAF	NAF	
BSDD002 31 33	BSDD002	lsa	cy	DD	Waste	jnkas	cw	7.8	900	0.013	0.4	5.1	0.52	0	7.1	<0.5	-4.7	12.8	NAF	NAF	NAF	NAF	NAF	
BSDD002 40 42	BSDD002	lsa	cy	DD	Waste	jnkas	cw	6.9	1000	0.086	2.6	6.3	0.64	0	7.4	<0.5	-3.7	2.4	NAF	NAF	UC	NAF	NAF	
BSDD002 54 55.6	BSDD002		xx	DD	Waste	jnkas		10	210	0.11	3.4	230	24	4	11	<0.5	-230	68.3	NAF	NAF	NAF	NAF	NAF	
BSDD004 4 5.8	BSDD004		tb	DD	Waste	jnkas		9.1	340	<0.01	<0.31	14	1.5	0	7.6	<0.5	-14	45.7	NAF	NAF	NAF	NAF	NAF	
BSDD004 15 17	BSDD004	ls	ti	DD	Waste	jnkas	sw	9.0	390	0.028	0.86	17	1.7	1	8	<0.5	-16	19.8	NAF	NAF	NAF	NAF	NAF	
BSDD004 76 78	BSDD004		ti	DD	Waste	jnkas		9.2	250	0.28	8.6	22	2.3	1	5.9	<0.5	0.79	-13	2.6	NAF	NAF	UC	NAF	NAF
BSDD005 5 6	BSDD005	ls	tb	DD	Waste	jnkas	pw	8.8	390	<0.01	<0.31	9.3	0.95	0	7	<0.5	-9	30.4	NAF	NAF	NAF	NAF	NAF	
BSDD005 16.3 18	BSDD005		tg	DD	Waste	jnkas		8.9	450	0.053	1.6	18	1.8	1	8	<0.5	-16	11.1	NAF	NAF	NAF	NAF	NAF	
BSDD005 33.8 34	BSDD005		tg	DD	Waste	jnkas		7.3	720	0.14	4.3	4.9	0.51	0	4.5	<0.5	1.7	-0.61	1.1	NAF-Barren	UC	NAF	NAF	NAF
BSDD005 105 105.5	BSDD005		tb	DD	Waste	jnkas		9.1	310	0.11	3.4	26	2.6	2	9.8	<0.5	-23	7.7	NAF	NAF	NAF	NAF	NAF	
BSDD006 0.64 1.95	BSDD006	fk	cy	DD	Waste	jnkas	cw	7.4	490	0.019	0.58	3.2	0.32	0	6.3	<0.5	1.5	-2.6	5.5	NAF-Barren	NAF	NAF	NAF	NAF
BSDD006 67 89	BSDD006		tb	DD	Waste	jnkas		9.1	210	0.15	4.6	25	2.5	2	9.2	<0.5	-14	5.4	NAF	NAF	NAF	NAF	NAF	
BSDD006 96 98	BSDD006		tb	DD	Waste	jnkas		9.0	112	0.12	3.7	18	1.9	1	7.4	<0.5	-14	4.9	NAF	NAF	NAF	NAF	NAF	
BSDD006 139 141	BSDD006		tb	DD	Waste	jnkas		8.8	210	0.24	7.4	21	2.1	1	5.4	<0.5	0.95	-14	2.9	NAF	NAF	UC	NAF	NAF
BSDD006 142 144	BSDD006		tb	DD	Waste	jnkas		9.4	270	0.27	8.3	41	4.2	1	7.9	<0.5	-33	5.0	NAF	NAF	NAF	NAF	NAF	
BSDD006 146.5 148.5	BSDD006		xx	DD	Waste	jnkas		9.5	280	0.026	0.8	270	28	5	11	<0.5	-270	339	NAF	NAF	NAF	NAF	NAF	
BSDD008 44.7 46	BSDD008		tb	DD	Waste	dingo		9.2	380	0.21	6.4	21	2.1	1	6.2	<0.5	0.79	-15	3.3	NAF	NAF	NAF	NAF	NAF
BSDD008 47.88 49.17	BSDD008		xx	DD	Waste	dingo		10	180	<0.01	<0.31	650	66	5	11	<0.5	-650	2120	NAF	NAF	NAF	NAF	NAF	
BSDD008 67 69	BSDD008		tm	DD	Waste	dingo		9.1	170	0.3	9.2	18	1.8	1	3.7	1.3	3.1	-8.8	2.0	UC(PAF)	UC	NAF	NAF	NAF
BSDD009 20.6 21.5	BSDD009		tm	DD	Waste	dingo		9.5	360	<0.01	<0.31	17	1.7	1	7.6	<0.5	-17	55.5	NAF	NAF	NAF	NAF	NAF	
BSDD009 41.6 41.8	BSDD009		tm	DD	Waste	dingo		9.3	250	0.09	2.8	19	1.9	0	6.2	<0.5	0.91	-16	6.9	NAF	NAF	NAF	NAF	NAF
BSDD009 55.3 55.6	BSDD009		tm	DD	Waste	dingo		9.3	200	0.022	0.67	18	1.8	0	6.6	<0.5	1	-17	26.7	NAF	NAF	NAF	NAF	NAF
BSDD009 80 81.2	BSDD009		tg	DD	Waste	dingo		9.1	340	0.048	1.5	19	2	1	7.9	<0.5	-18	12.9	NAF	NAF	NAF	NAF	NAF	
BSDD009 103.5 103.8	BSDD009		xx	DD	Waste	dingo		9.0	260	0.037	1.1	18	1.8	1	7.6	<0.5	-17	15.9	NAF	NAF	NAF	NAF	NAF	
BSDD016 41 43.5	BSDD016		tb	DD	Waste	jnkas		9.3	290	0.29	8.9	12	1.2	1	3.7	1.5	3.4	-3.1	1.4	UC(PAF)	UC	NAF	NAF	NAF
BSDD016 57 59.85	BSDD016		tg	DD	Waste	jnkas		9.1	370	0.23	7	25	2.5	1	6.2	<0.5	-18	3.6	NAF	NAF	NAF	NAF	NAF	
BSDD016 64 67	BSDD016		tm	DD	Waste	jnkas		9.0	380	0.089	2.7	26	2.7	0	6.8	<0.5	-23	9.5	NAF	NAF	NAF	NAF	NAF	
BSDD016 109 111.5	BSDD016		tg	DD	Waste	jnkas		9.2	310	0.085	2.6	21	2.1	1	6.9	<0.5	-18	8.1	NAF	NAF	NAF	NAF	NAF	
BSDD016 129 130	BSDD016		tb	DD	Waste	jnkas		8.7	360	0.3	9.2	19	1.9	1	2.4	46	58	73	0.2	PAF	PAF	PAF	PAF	PAF
BSDD017 109 111	BSDD017		tm	DD	Waste	jnkas	fr	9.0	240	0.087	2.7	23	2.4	1	7.4	<0.5	-20	8.6	NAF	NAF	NAF	NAF	NAF	
BSDD017 121 123	BSDD017		tg	DD	Waste	jnkas	fr	8.8	300	0.045	1.4	5.3	0.54	1	5.6	<0.5	2.1	-3.9	3.9	NAF	NAF	NAF	NAF	NAF
BSDD018 86 88	BSDD018		tb	DD	Waste	jnkas	fr	9.1	250	0.22	6.7	24	2.5	1	7.2	<0.5	-17	3.6	NAF	NAF	NAF	NAF	NAF	
BSDD018 129 131	BSDD018		tb	DD	Waste	jnkas	fr	9.3	230	0.16	4.9	25	2.6	1	8.1	<0.5	-20	5.1	NAF	NAF	NAF	NAF	NAF	
BSDD018 138 140	BSDD018		tb	DD	Waste	jnkas	fr	9.4	180	0.071	2.2	30	3.1	2	8.7	<0.5	-28	13.8	NAF	NAF	NAF	NAF	NAF	
BSDD022 4.4 4.8	BSDD022	md	md	DD	Waste	jnkas		9.0	620	0.36	11	28	2.8	0	4.2	<0.5	2.8	-17	2.5	UC(PAF)	UC	NAF	NAF	NAF
BSDD022 8 8.5	BSDD022		md	DD	Waste	jnkas		9.5	650	0.2	6.1	24	2.5	0	6.2	<0.5	0.59	-18	3.9	NAF	NAF	NAF	NAF	NAF
BSDD022 18 18.5	BSDD022		md	DD	Waste	jnkas		9.1	550	0.15	4.6	23	2.4	0	7.7	<0.5	-18	5.0	NAF	NAF	NAF	NAF	NAF	
BSDD022 47.3 47.8	BSDD022		gm	DD	Waste	jnkas		9.4	400	<0.01	<0.31	12	1.2	1	7.1	<0.5	-12	39.2	NAF	NAF	NAF	NAF	NAF	
BSDD022 76 78	BSDD022		tm	DD	Waste	jnkas	fr	9.7	250	0.051	1.6	20	2	1	7.7	<0.5	-18	12.8	NAF	NAF	NAF	NAF	NAF	
BSDD024 1 3	BSDD024	usa	cy	DD	Waste	jnkas	cw	5.6	2900	0.057	1.7	<0.5	<0.01	0	5.4	<0.5	2.9	1.2	0.3	UC(NAF)	PAF	NAF	NAF	NAF
BSDD024 16 18.7	BSDD024		tg	DD	Waste	jnkas		8.7	450	0.12	3.7	19	1.9	1	6.3	<0.5	-15	5.2	NAF	NAF	NAF	NAF	NAF	
BSDD024 19.5 22	BSDD024		tb	DD	Waste	jnkas		7.8	610	0.021	0.64	5.4	0.56	1	7.1	<0.5	-4.8	8.4	NAF	NAF	NAF	NAF	NAF	
BSDD024 46 48.6	BSDD024		tm	DD	Waste	jnkas		9.5	190	0.013	0.4	19	2	1	7.7	<0.5	-19	47.7	NAF	NAF	NAF	NAF	NAF	
BSDD026 62.92 64.55	BSDD026	ls	tb	DD	Waste	jnkas	mw	8.8	110	0.13	4	15	1.5	1	6.3	<0.5	0.63	-11	3.2	NAF	NAF	NAF	NAF	NAF
BSDD026 98 100	BSDD026		tg	DD	Waste	jnkas	fr	9.3	320	0.2	6.1	5.3	5.1	3	7.5	<0.5	-44	8.2	NAF	NAF	NAF	NAF	NAF	
BSDD027 55.5 57.5	BSDD027		tb	DD	Waste	jnkas	fr	9.5	280	0.03	0.92	19	2	1	7	<0.5	-18	20.7	NAF	NAF	NAF	NAF	NAF	
BSDD027 61.5 63.5	BSDD027		tg	DD	Waste	jnkas	fr	9.1	350	0.19	5.8	13	1.3	0	5	<0.5	0.8	-7.2	2.2	NAF	UC	NAF	NAF	NAF
BSDD027 102.8 104.8	BSDD027		tm	DD	Waste	jnkas	fr	9.3	270	0.34	10	20	2	1	4.1	0.67	2.2	-9.6	1.9	UC(PAF)	UC	NAF	NAF	NAF
BSDD027 106.52 108.7	BSDD027		tg	DD	Waste	jnkas	fr	9.5	270	0.063	1.9	19	2	1	7.4	<0.5	-17	9.9	NAF	NAF	NAF	NAF	NAF	
BSDD028 60 62	BSDD028		tg	DD	Waste	jnkas	pw	8.8	470	0.13	4	17	1.7	1	5.9	<0.5	0.76	-13	4.3	NAF	NAF	NAF	NAF	NAF
BSDD028 62.8 64.2	BSDD028		tg	DD	Waste	jnkas	fr	8.9	420	0.16	4.9	17	1.7	1	5.3	<0.5	0.93	-12	3.5	NAF	NAF	NAF	NAF	NAF
BSDD031 24 26	BSDD031	ls	tg	DD	Waste	jnkas	pw	9.5	420	<0.01	<0.31	11	1.2	1	7.2	<0.5	-11	35.9	NAF	NAF	NAF	NAF	NAF	
BSDD031 36 38	BSDD031	ls	tb	DD	Waste	jnkas	pw	9.0	420	0.033	1	14	1.4	1	7.2	<0.5	-13	13.9	NAF	NAF	NAF	NAF	NAF	
BSDD031 112 114	BSDD031		tm	DD	Waste	jnkas	fr	9.6	310	0.063	1.9	32	3.2	1	7.6	<0.5	-30	16.6	NAF	NAF	NAF	NAF	NAF	
BSDD032 12 14	BSDD032	usa	cy																					

Attachment 2 Sulfur summary statistics

Attachment 2 - Sulfur summary statistics

Waste

Lithology Codes	tb	tbg	tg	ti	tm	ts	md	gg	gm	xx	cy	zl	zs	zx
	Total S (%)													
Count	30	3	30	9	24	6	5	1	18	6	20	3	3	3
Min	<0.01	0.12	<0.01	<0.01	<0.01	<0.01	0.013	<0.01	<0.01	<0.01	<0.01	0.034	<0.01	0.024
Median	0.053	0.24	0.047	0.033	0.088	0.028	0.2	<0.01	0.045	0.074	0.024	0.042	0.011	0.025
Average	0.097	0.22	0.074	0.32	0.36	0.1	0.23	<0.01	0.28	0.086	0.034	0.045	0.013	0.042
Max	0.39	0.29	0.23	2.4	3.0	0.49	0.41	<0.01	3.4	0.17	0.086	0.058	0.018	0.078

Notes:

Grey highlighted cells are where Total S $\geq$ 0.1%.

Ore

Lithology Codes	tbg	tf	tg	ti	tm	cy
	Total S (%)					
Count	1	1	1	3	6	2
Min	0.2	0.21	0.23	0.46	1.0	0.037
Median	0.2	0.21	0.23	0.62	2.3	0.12
Average	0.2	0.21	0.23	0.6	3.2	0.12
Max	0.2	0.21	0.23	0.73	8.8	0.2

Notes:

Grey highlighted cells are where Total S $\geq$ 0.1%.

Attachment 3 ABA summary statistics

Attachment 3 - ABA summary statistics

Waste

Lithology Code	Lithology	Sample count	Reported statistic	Paste pH ¹ s.u.	Paste EC mS/cm	Total S %	NAG pH ¹ s.u.	NAG to pH 4.5	NAG to pH 7.5	ANC kg H ₂ SO ₄ /t	MPA	NAPP	Class AMIRA ²
tb	biotite (dominant) quartz granulite (gneiss)	30	Min	6.4	180	<0.01	4.1	<0.5	<0.5	5.2	<0.31	-37	NAF
			Median	9.1	340	0.053	7.5	<0.5	<0.5	16	1.6	-12	
			Average	7.8	550	0.097	5.4	0.5	0.7	18	3	-15	
			Max	9.8	4700	0.39	9.8	0.5	2.6	41	12	-4.8	
tbg	Biotite Garnet Gneiss	3	Min	8.8	210	0.12	3.7	<0.5	<0.5	12	3.7	-14	UC(PAF)
			Median	9.0	280	0.24	5.4	<0.5	1.0	18	7.4	-14	
			Average	9.0	260	0.22	4.1	0.8	1.6	17	6.6	-10	
			Max	9.3	290	0.29	7.4	1.5	3.4	21	8.9	-3.1	
tg	garnet (dominant) quartz granulite (gneiss)	30	Min	5.9	220	<0.01	4.5	<0.5	<0.5	2.4	<0.31	-400	NAF
			Median	9.0	390	0.047	7.2	<0.5	<0.5	15	1.4	-13	
			Average	7.3	520	0.074	5.7	<0.5	0.7	28	2.3	-25	
			Max	10.0	2700	0.23	11.0	<0.5	2.1	400	7	-0.61	
ti	intermediate granulite (gneiss)	9	Min	7.9	230	<0.01	2.5	<0.5	<0.5	8.1	<0.31	-35	UC(PAF)
			Median	9.1	320	0.033	7.6	<0.5	<0.5	21	1	-16	
			Average	8.5	470	0.32	3.4	4.2	5.7	21	9.9	-11	
			Max	9.6	1300	2.4	9.3	34.0	46.0	36	74	59	
tm	mafic granulite (gneiss)	24	Min	5.1	160	<0.01	2.4	<0.5	<0.5	4.4	<0.31	-160	UC(PAF)
			Median	9.4	260	0.088	7.4	<0.5	<0.5	20	2.7	-17	
			Average	6.5	480	0.36	3.5	4.9	6.2	27	11	-16	
			Max	9.7	3600	3	9.6	59.0	69.0	170	92	73	
ts	speckled mafic granulite (gneiss)	6	Min	8.1	180	<0.01	4.2	<0.5	<0.5	9.7	<0.31	-23	NAF
			Median	8.9	540	0.028	7.6	<0.5	<0.5	18	0.84	-13	
			Average	8.6	490	0.1	5.0	<0.5	0.8	18	3.2	-15	
			Max	9.6	940	0.49	8.9	<0.5	2.4	28	15	-8.9	
md	dolerite	5	Min	8.4	450	0.013	4.2	<0.5	<0.5	23	0.4	-24	NAF
			Median	9.0	550	0.2	6.2	<0.5	0.6	24	6.1	-18	
			Average	8.8	560	0.23	4.8	<0.5	1.1	25	6.9	-18	
			Max	9.5	650	0.41	8.5	<0.5	2.8	28	13	-12	
gg	granite	1	-	9.4	360	<0.01	7.5	<0.5	<0.5	9.5	<0.31	-9.2	NAF
gm	monzogranite	18	Min	5.5	250	<0.01	2.3	<0.5	<0.5	2	<0.31	-23	UC(PAF)
			Median	9.0	450	0.045	7.0	<0.5	<0.5	12	1.4	-7.6	
			Average	6.7	660	0.28	3.4	2.4	3.3	12	8.7	-3.4	
			Max	9.7	2800	3.4	8.3	31.0	40.0	25	100	99	
xx	calc-silicate rock	6	Min	8.8	180	<0.01	7.0	<0.5	<0.5	18	<0.31	-650	NAF
			Median	9.4	270	0.074	9.7	<0.5	<0.5	120	2.3	-120	
			Average	9.2	310	0.086	7.6	<0.5	<0.5	200	2.6	-200	
			Max	10.0	490	0.17	11.0	<0.5	<0.5	650	5.2	-13	
cy	Clay	20	Min	5.3	200	<0.01	5.2	<0.5	<0.5	<0.5	<0.31	-13	NAF-Barren
			Median	7.0	1100	0.024	6.4	<0.5	1.3	2.8	0.74	-2.1	
			Average	6.1	1500	0.034	5.9	<0.5	1.8	3.7	1	-2.6	
			Max	8.0	5300	0.086	8.4	<0.5	5.1	13	2.6	1.5	
zl	lateritic duricrust	3	Min	5.5	420	0.034	5.2	<0.5	1.1	<0.5	1	-0.41	UC(NAF)
			Median	5.6	580	0.042	5.5	<0.5	2.9	1.1	1.3	-0.059	
			Average	5.7	770	0.045	5.5	<0.5	2.5	1.1	1.4	0.27	
			Max	6.0	1300	0.058	5.9	<0.5	3.5	1.7	1.8	1.3	
zs	soil	3	Min	6.4	200	<0.01	5.5	<0.5	<0.5	1.9	<0.31	-3.7	NAF-Barren
			Median	6.5	220	0.011	6.0	<0.5	1.4	1.9	0.34	-1.6	
			Average	6.6	540	0.013	5.8	<0.5	1.5	2.7	0.4	-2.3	
			Max	7.3	1200	0.018	6.8	<0.5	2.7	4.3	0.55	-1.6	
zx	exotic overburden (roadbase) dump material	3	Min	5.9	290	0.024	5.5	<0.5	0.6	1.8	0.74	-1.3	NAF-Barren
			Median	6.0	770	0.025	6.2	<0.5	1.5	2	0.77	-1	
			Average	6.1	820	0.042	5.9	<0.5	1.7	2	1.3	-0.74	
			Max	7.7	1400	0.078	6.7	<0.5	3.0	2.3	2.4	0.089	

Notes:

1. Hydrogen ion concentrations were calculated to assist with the preparation of summary statistics involving pH measurements.
2. AMIRA classifications shown for each lithology have been calculated using average values. The average AMIRA classifications may differ from the AMIRA classifications of individual samples within the lithology.

Ore

Lithology Code	Lithology	Sample count	Reported statistic	Paste pH ¹ s.u.	Paste EC mS/cm	Total S %	NAG pH ¹ s.u.	NAG to pH 4.5	NAG to pH 7.5	ANC kg H ₂ SO ₄ /t	MPA	NAPP	Class AMIRA ²
tbg	Biotite Garnet Gneiss	1	-	9.6	250	0.2	4.2	<0.5	2.1	13	6.1	-6.9	UC(PAF)
tf	felsic granulite (gneiss)	1	-	8.1	560	0.21	4.7	<0.5	1.0	8.6	6.4	-2.2	NAF
tg	garnet (dominant) quartz granulite (gneiss)	1	-	8.2	980	0.23	5.7	<0.5	1.1	10	7	-3	NAF
ti	intermediate granulite (gneiss)	3	Min	8.1	300	0.46	3.1	2.1	7.6	11	14	1.1	PAF-LC
			Median	8.4	460	0.62	3.3	4.7	9.8	13	19	6	
			Average	8.4	460	0.6	3.3	4.2	9.5	12	18	6.1	
			Max	9.1	630	0.73	3.7	5.8	11.0	13	22	11	
tm	mafic granulite (gneiss)	6	Min	4.6	310	1	2.0	6.0	16.0	<0.5	31	18	PAF
			Median	8.7	420	2.3	2.4	35.0	44.0	18	70	47	
			Average	5.4	1300	3.2	2.4	55.0	68.0	16	97	81	
			Max	9.1	5500	8.8	3.2	190.0	220.0	26	270	270	
cy	Clay	2	Min	6.6	560	0.037	4.1	<0.5	0.8	<0.5	1.1	-2	PAF-LC
			Median	7.1	1200	0.12	5.4	0.5	2.1	1.8	3.6	1.8	
			Average	6.8	1200	0.12	4.4	0.5	2.1	1.8	3.6	1.8	
			Max	7.5	1800	0.2	6.7	0.6	3.5	3.1	6.1	5.6	

Notes:

1. Hydrogen ion concentrations were calculated to assist with the preparation of summary statistics involving pH measurements.
2. AMIRA classifications shown for each lithology have been calculated using average values. The average AMIRA classifications may differ from the AMIRA classifications of individual samples within the lithology.

Attachment 3 - ABA summary statistics (median only)

Waste

Lithology Code	Lithology	Sample count	Reported statistic	Paste pH	Paste EC	Total S	NAG pH	NAG to pH 4.5	NAG to pH 7.5	ANC	MPA	NAPP
				s.u.	mS/cm	%	s.u.	kg H ₂ SO ₄ /t				
tb	biotite (dominant) quartz granulite (gneiss)	30	Median	9.1	340	0.053	7.5	<0.5	<0.5	16	1.6	-12
tbg	Biotite Garnet Gneiss	3	Median	9	280	0.24	5.4	<0.5	0.95	18	7.4	-14
tg	garnet (dominant) quartz granulite (gneiss)	30	Median	9	390	0.047	7.2	<0.5	<0.5	15	1.4	-13
ti	intermediate granulite (gneiss)	9	Median	9.1	320	0.033	7.6	<0.5	<0.5	21	1	-16
tm	mafic granulite (gneiss)	24	Median	9.4	260	0.088	7.4	<0.5	<0.5	20	2.7	-17
ts	speckled mafic granulite (gneiss)	6	Median	8.9	540	0.028	7.6	<0.5	<0.5	18	0.84	-13
md	dolerite	5	Median	9	550	0.2	6.2	<0.5	0.59	24	6.1	-18
gg	granite	1	-	9.4	360	<0.01	7.5	<0.5	<0.5	9.5	<0.31	-9.2
gm	monzogranite	18	Median	9	450	0.045	7	<0.5	<0.5	12	1.4	-7.6
xx	calc-silicate rock	6	Median	9.4	270	0.074	9.7	<0.5	<0.5	120	2.3	-120
cy	Clay	20	Median	7	1100	0.024	6.4	<0.5	1.3	2.8	0.74	-2.1
zl	lateritic duricrust	3	Median	5.6	580	0.042	5.5	<0.5	2.9	1.1	1.3	-0.059
zs	soil	3	Median	6.5	220	0.011	6	<0.5	1.4	1.9	0.34	-1.6
zx	exotic overburden (roadbase) dump material	3	Median	6	770	0.025	6.2	<0.5	1.5	2	0.77	-1

Ore

Lithology Code	Lithology	Sample count	Reported statistic	Paste pH	Paste EC	Total S	NAG pH	NAG to pH 4.5	NAG to pH 7.5	ANC	MPA	NAPP
				s.u.	mS/cm	%	s.u.	kg H ₂ SO ₄ /t				
tbg	Biotite Garnet Gneiss	1	-	9.6	250	0.2	4.2	<0.5	2.1	13	6.1	-6.9
tf	felsic granulite (gneiss)	1	-	8.1	560	0.21	4.7	<0.5	1	8.6	6.4	-2.2
tg	garnet (dominant) quartz granulite (gneiss)	1	-	8.2	980	0.23	5.7	<0.5	1.1	10	7	-3
ti	intermediate granulite (gneiss)	3	Median	8.4	460	0.62	3.3	4.7	9.8	13	19	6
tm	mafic granulite (gneiss)	6	Median	8.7	420	2.3	2.4	35	44	18	70	47
cy	Clay	2	Median	7.1	1200	0.12	5.4	0.53	2.1	1.8	3.6	1.8

Attachment 4 Multi-element and GAI tables

Attachment 4 - Multi-element analysis results

SRK sample ID		Hole ID	REG	GROUP	ROCK TYPE	1DH Type	Grade	Pit Name	Weathering	Units		ppm	ppm	ppm	mg/kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	mg/kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
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Attachment 4 - Multi-element analysis results

[illegible]

Attachment 4 - GAI results

SRK sample ID		Hole ID	REG_GROUP	ROCK_TYPE_	DH type	Grade	Pit Name	Weathering	LOD	0.07	82000	1.5	10	500	2.6	0.048	41000	0.11	68	130	20	100	3	50	950	41000
										Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Cl	Co	Cr	Cs	Cu	F	Fe
BSD0001 22 24	BSD0001	LS		tg	DD	Waste	jinkas	pw		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0001 58.82 59.59	BSD0001			tb	DD	Waste	jinkas			0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
BSD0001 96 98	BSD0001			tg	DD	Waste	jinkas			1	0	2		0	0	3	1	0	0		0	0	0	0	0	
BSD0001 109 111	BSD0001			ti	DD	Waste	jinkas			0	0	0		0	0	1	0	0	0		0	0	0	0	0	
BSD0001 129 131	BSD0001			tm	DD	Waste	jinkas			0	0	1		0	0	2	0	0	0		0	0	0	0	0	
BSD0002 8 10	BSD0002		is	tg	DD	Waste	jinkas	sw		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0002 17 19	BSD0002		is	tg	DD	Waste	jinkas	sw		0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0002 31 33	BSD0002		isa	cy	DD	Waste	jinkas	cw		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
BSD0002 40 42	BSD0002		isa	cy	DD	Waste	jinkas	cw		4	0	3		1	0	0	1	0	0		2	0	0	1	0	
BSD0002 54 55.6	BSD0002			xx	DD	Waste	jinkas			0	0	3		0	0	1	1	0	0		0	0	0	0	0	
BSD0004 4 6.8	BSD0004			tb	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
BSD0004 15 17	BSD0004		is	ti	DD	Waste	jinkas	sw		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0004 76 78	BSD0004			ti	DD	Waste	jinkas			0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0005 5 6	BSD0005		is	tb	DD	Waste	jinkas	pw		0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0005 16.3 18	BSD0005			tg	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0005 33.8 34	BSD0005			tg	DD	Waste	jinkas			0	0	0		0	0	1	0	0	0		0	0	0	0	0	
BSD0005 105 105.5	BSD0005			tb	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0006 0.64 1.95	BSD0006		fk	cy	DD	Waste	jinkas	cw		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0006 87 89	BSD0006			tm	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0006 96 98	BSD0006			tbq	DD	Waste	jinkas			0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0006 139 141	BSD0006			tbq	DD	Waste	jinkas			0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
BSD0006 142 144	BSD0006			tb	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	
BSD0006 146.5 148.5	BSD0006			xx	DD	Waste	jinkas			0	0	2	0	0	0	2	1	0	0	0	0	0	0	0	0	
BSD0008 44.7 46	BSD0008			tb	DD	Waste	dingo			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0008 47.88 49.17	BSD0008			xx	DD	Waste	dingo			0	0	0		0	0	2	0	0	0		0	0	0	0	0	
BSD0008 67 69	BSD0008			tm	DD	Waste	dingo			0	0	0		0	0	1	0	0	0		0	0	0	0	0	
BSD0009 20.6 21.5	BSD0009			tm	DD	Waste	dingo			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0009 41.6 41.8	BSD0009			tm	DD	Waste	dingo			0	0	2		0	0	0	0	0	0		1	1	0	0	0	
BSD0009 55.3 55.6	BSD0009			tm	DD	Waste	dingo			0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
BSD0009 80 81.2	BSD0009			tg	DD	Waste	dingo			0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0009 103.5 103.8	BSD0009			xx	DD	Waste	dingo			0	0	0		0	0	1	0	0	0	0	0	0	0	0	0	
BSD0016 41 43.5	BSD0016			tbq	DD	Waste	jinkas			0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	
BSD0016 57 59.85	BSD0016			tg	DD	Waste	jinkas			0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0016 64 67	BSD0016			tm	DD	Waste	jinkas			0	0	3		0	0	1	0	0	0		0	0	0	0	0	
BSD0016 109 111.5	BSD0016			tg	DD	Waste	jinkas			0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0016 128 130	BSD0016			tm	DD	Waste	jinkas			2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
BSD0017 109 111	BSD0017			tm	DD	Waste	jinkas	fr		0	0	0		0	0	1	0	0	0		0	0	0	0	0	
BSD0017 121 123	BSD0017			tg	DD	Waste	jinkas	fr		0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0018 86 88	BSD0018			tb	DD	Waste	jinkas	fr		0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0018 129 131	BSD0018			tb	DD	Waste	jinkas	fr		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
BSD0018 138 140	BSD0018			tb	DD	Waste	jinkas	fr		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0022 4 4 8	BSD0022			md	DD	Waste	jinkas			0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
BSD0022 8 8.5	BSD0022			md	DD	Waste	jinkas			0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0022 18 18.5	BSD0022			md	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
BSD0022 47.3 47.8	BSD0022			gm	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0022 76 78	BSD0022			tm	DD	Waste	jinkas	fr		0	0	0		0	0	1	0	0	0	0	0	0	0	0	0	
BSD0024 1 3	BSD0024		usa	cy	DD	Waste	jinkas	cw		3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	
BSD0024 16 18.7	BSD0024			tg	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0024 19.5 22	BSD0024			tb	DD	Waste	jinkas			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0024 46 48.6	BSD0024			tm	DD	Waste	jinkas			0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0026 62.52 64.55	BSD0026		is	tb	DD	Waste	jinkas	mw		5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
BSD0026 96 100	BSD0026			tg	DD	Waste	jinkas	fr		0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0027 55.5 57.5	BSD0027			tb	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0027 61.5 63.5	BSD0027			tg	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0027 102.8 104.8	BSD0027			tm	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0027 106.52 108.7	BSD0027			tg	DD	Waste	jinkas	fr		0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0028 60 62	BSD0028			tg	DD	Waste	jinkas	pw		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0028 62.8 64.2	BSD0028			tg	DD	Waste	jinkas	fr		1	0	1		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0031 24 26	BSD0031		is	tg	DD	Waste	jinkas	pw		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0031 36 38	BSD0031			tb	DD	Waste	jinkas	pw		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0031 112 114	BSD0031		usa	tm	DD	Waste	jinkas	fr		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0032 12 14	BSD0032			cy	DD	Waste	jinkas	cw		2	0	1		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0032 39 41	BSD0032		is	tg	DD	Waste	jinkas	mw		0	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0032 59.12 60.5	BSD0032			tm	DD	Waste	jinkas			0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	
BSD0032 150 152	BSD0032			ts	DD	Waste	jinkas	fr		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0032 163 164	BSD0032			ti	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0032 164.46 166	BSD0032			tb	DD	Waste	jinkas			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSD0033 22 24	BSD0033		usa	cy	DD	Waste	dingo	sw		4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	
BSD0033 40 42	BSD0033			tm	DD	Waste	dingo	mw		2	0	0		0	0	0	0	0	0		0	0	0	0	0	
BSD0033 50.28 25	BSD0033			tb	DD	Waste	dingo			0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
BSD0033 70 72	BSD0033			tm	DD	Waste	dingo																			

Attachment 4 - GAI results

SRK sample ID	Hole ID	REG_GROUP	ROCK_TYPE_1	DH type	Grade	Pit Name	Weathering	18	1.8	5.3	0.05	0.049	21000	32	20	23000	950	1.5	23000	20	80	1000	14	90	0.0004
BSD0001 22 24	BSD0001	LS	tg	DD	Waste	jinkas	pw	0	0	0	0	0	0	0	0	0	0	0	Na	Nb	Ni	P	Pb	Rb	Re
BSD0001 58.82 59.59	BSD0001		tb	DD	Waste	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0001 96 98	BSD0001		tg	DD	Waste	jinkas		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
BSD0001 109 111	BSD0001		DD	DD	Waste	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0001 129 131	BSD0001		tm	DD	Waste	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0002 8 10	BSD0002	ls	tg	DD	Waste	jinkas	sw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0002 17 19	BSD0002	ls	tg	DD	Waste	jinkas	sw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0002 31 33	BSD0002	lsa	cy	DD	Waste	jinkas	cw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0002 40 42	BSD0002	lsa	cy	DD	Waste	jinkas	cw	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
BSD0002 54 55.6	BSD0002	xx	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
BSD0004 4 5.8	BSD0004	tb	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0004 15 17	BSD0004	ls	ti	DD	Waste	jinkas	sw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0004 76 78	BSD0004		ti	DD	Waste	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0005 5 6	BSD0005	ls	DD	DD	Waste	jinkas	pw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0005 16.3 18	BSD0005	tg	tg	DD	Waste	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0005 33.8 34	BSD0005	tg	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0005 105 105.5	BSD0005	tb	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0006 0.64 1.95	BSD0006	fk	cy	DD	Waste	jinkas	cw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0006 87 89	BSD0006	tm	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0006 96 98	BSD0006	tbq	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0006 139 141	BSD0006	tbq	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
BSD0006 142 144	BSD0006	tb	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1
BSD0006 146.5 148.5	BSD0006	xx	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
BSD0008 44.7 46	BSD0008	tb	DD	Waste	dingo	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0008 47.88 49.17	BSD0008	xx	DD	Waste	dingo	jinkas		0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
BSD0008 67 69	BSD0008	tm	DD	Waste	dingo	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0009 20.6 21.5	BSD0009	tm	DD	Waste	dingo	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0009 41.6 41.8	BSD0009	tm	DD	Waste	dingo	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
BSD0009 55.3 55.6	BSD0009	tm	DD	Waste	dingo	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0009 80 81.2	BSD0009	tg	DD	Waste	dingo	jinkas		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
BSD0009 103.5 103.8	BSD0009	xx	DD	Waste	dingo	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0016 41 43.5	BSD0016	tbq	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0016 57 59.85	BSD0016	tg	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0016 64 67	BSD0016	tm	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0016 109 111.5	BSD0016	tg	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0016 128 130	BSD0016	tm	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0017 109 111	BSD0017	tm	DD	Waste	jinkas	jinkas	fr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0017 121 123	BSD0017	tg	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0018 86 88	BSD0018	tb	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0018 129 131	BSD0018	tb	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0018 138 140	BSD0018	tb	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0022 4.4 4.8	BSD0022	md	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0022 8 8.5	BSD0022	md	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BSD0022 18 18.5	BSD0022	md	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0022 47.3 47.8	BSD0022	gm	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0022 76 78	BSD0022	tm	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0024 1 3	BSD0024	usa	cy	DD	Waste	jinkas	cw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0024 16 18.7	BSD0024	tg	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
BSD0024 19.5 22	BSD0024	tb	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0024 46 48.6	BSD0024	tm	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0026 62.52 64.55	BSD0026	ls	tb	DD	Waste	jinkas	mw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0026 98 100	BSD0026	tg	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0027 55.5 57.5	BSD0027	tb	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BSD0027 61.5 63.5	BSD0027	tg	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0027 102.8 104.8	BSD0027	tm	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0027 106.52 108.7	BSD0027		tg	DD	Waste	jinkas	fr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0028 60 62	BSD0028	tg	DD	Waste	jinkas	pw		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0028 62.8 64.2	BSD0028	tg	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0031 24 26	BSD0031	ls	tg	DD	Waste	jinkas	pw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0031 36 38	BSD0031	ls	tb	DD	Waste	jinkas	pw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0031 112 114	BSD0031	tm	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0032 12 14	BSD0032	usa	cy	DD	Waste	jinkas	cw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0032 39 41	BSD0032	ls	tg	DD	Waste	jinkas	mw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0032 59.12 60.5	BSD0032	tm	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0032 150 152	BSD0032	ts	DD	Waste	jinkas	fr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0032 163 164	BSD0032	ti	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0032 164.46 166	BSD0032	tb	DD	Waste	jinkas	jinkas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSD0033 22 24	BSD0033	usa	cy	DD	Waste	dingo	sw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4
BSD0033 40 42	BSD0033	ls	tm	DD	Waste	dingo	mw	0	0	0	0	0	0	0	0	0	0	0	0	0					

Attachment 4 - GAI results

SRK sample ID		Hole ID	REG_GROUP	ROCK_TYPE_	DDH type	Grade	Pit Name	Weathering	LOD	260	0.2	16	0.05	2.2	370	2	0.005	12	5600	0.6	2.4	160	1	30	75	190
										S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
BSD0001 22 24	BSD0001	LS	lg	DD	Waste	jinkas	pw			1	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0001 58.82 59.59	BSD0001		tb	DD	Waste	jinkas				0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0001 96 98	BSD0001		tg	DD	Waste	jinkas				0	1	0	2	0	0	0	4	0	0	0	0	0	1	0	0	0
BSD0001 109 111	BSD0001		ti	DD	Waste	jinkas				0	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0001 129 131	BSD0001		tm	DD	Waste	jinkas				0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0002 8 10	BSD0002	is	tg	DD	Waste	jinkas	sw			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0002 17 19	BSD0002	is	tg	DD	Waste	jinkas	sw			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0002 31 33	BSD0002	lsa	cy	DD	Waste	jinkas	cw			0	0	0	3	0	0	0	4	0	0	0	0	0	5	0	0	0
BSD0002 40 42	BSD0002	lsa	cy	DD	Waste	jinkas	cw			1	2	0	3	0	0	0	4	0	0	0	1	0	4	0	1	0
BSD0002 54 55.6	BSD0002		xx	DD	Waste	jinkas				2	1	0	2	0	0	0	4	0	0	0	0	0	6	0	0	0
BSD0004 4 6.8	BSD0004		tb	DD	Waste	jinkas				0	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0004 15 17	BSD0004	is	ti	DD	Waste	jinkas	sw			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0004 76 78	BSD0004		ti	DD	Waste	jinkas				2	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0005 5 6	BSD0005	is	tb	DD	Waste	jinkas	pw			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0005 16.3 18	BSD0005		tg	DD	Waste	jinkas				0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0005 33.8 34	BSD0005		tg	DD	Waste	jinkas				1	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0005 105 105.5	BSD0005		tb	DD	Waste	jinkas				1	0	0	2	0	0	0	4	0	0	0	0	0	1	0	0	0
BSD0006 0.64 1.95	BSD0006	fk	cy	DD	Waste	jinkas	cw			0	0	0	3	0	0	0	4	0	0	0	0	0	1	0	0	0
BSD0006 87 89	BSD0006		tm	DD	Waste	jinkas				2	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0006 96 98	BSD0006		tbq	DD	Waste	jinkas				2	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0006 139 141	BSD0006		tbq	DD	Waste	jinkas				1	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0006 142 144	BSD0006		tb	DD	Waste	jinkas				2	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0006 146.5 148.5	BSD0006		xx	DD	Waste	jinkas				1	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0008 44.7 46	BSD0008		tb	DD	Waste	dingo				2	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0008 47.88 49.17	BSD0008		xx	DD	Waste	dingo				0	0	0	2	0	0	0	4	0	0	0	0	0	1	0	0	0
BSD0008 67 69	BSD0008		tm	DD	Waste	dingo				2	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0009 20.6 21.5	BSD0009		tm	DD	Waste	dingo				0	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0009 41.6 41.8	BSD0009		tm	DD	Waste	dingo				1	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0009 55.3 55.6	BSD0009		tm	DD	Waste	dingo				0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0009 80 81.2	BSD0009		tg	DD	Waste	dingo				0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0009 103.5 103.8	BSD0009		xx	DD	Waste	dingo				0	0	0	3	0	0	0	4	0	0	0	0	0	3	0	0	0
BSD0016 41 43.5	BSD0016		tbq	DD	Waste	jinkas				2	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0016 57 59.85	BSD0016		tg	DD	Waste	jinkas				2	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0016 64 67	BSD0016		tm	DD	Waste	jinkas				1	1	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0016 109 111.5	BSD0016		tg	DD	Waste	jinkas				1	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0016 128 130	BSD0016		tm	DD	Waste	jinkas				6	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0017 109 111	BSD0017		tm	DD	Waste	jinkas	fr			1	0	0	2	0	0	0	4	0	0	0	0	0	5	0	0	0
BSD0017 121 123	BSD0017		tg	DD	Waste	jinkas	fr			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0018 86 88	BSD0018		tb	DD	Waste	jinkas	fr			2	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0018 129 131	BSD0018		tb	DD	Waste	jinkas	fr			2	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0018 138 140	BSD0018		tb	DD	Waste	jinkas	fr			0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0022 4.4 4.8	BSD0022		md	DD	Waste	jinkas				3	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0022 8 8.5	BSD0022		md	DD	Waste	jinkas				2	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0022 18 18.5	BSD0022		md	DD	Waste	jinkas				2	0	0	3	0	0	0	4	0	0	0	0	0	2	0	0	0
BSD0022 47.3 47.8	BSD0022		gm	DD	Waste	jinkas				0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0022 76 78	BSD0022		tm	DD	Waste	jinkas	fr			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0024 1 3	BSD0024	usa	cy	DD	Waste	jinkas	cw			0	0	0	3	0	0	0	4	0	0	0	0	0	2	0	0	0
BSD0024 16 18.7	BSD0024		tg	DD	Waste	jinkas				1	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0024 19.5 22	BSD0024		tb	DD	Waste	jinkas				0	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0024 46 48.6	BSD0024		tm	DD	Waste	jinkas				0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0026 62.62 64.55	BSD0026	is	tb	DD	Waste	jinkas	mw			1	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0026 98 100	BSD0026		tg	DD	Waste	jinkas	fr			2	0	0	2	0	0	0	4	0	0	0	0	0	2	0	0	0
BSD0027 55.5 57.5	BSD0027		tb	DD	Waste	jinkas	fr			0	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0027 61.5 63.5	BSD0027		tg	DD	Waste	jinkas	fr			2	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0027 102.8 104.8	BSD0027		tm	DD	Waste	jinkas	fr			3	0	0	3	0	0	0	4	0	0	0	0	0	3	0	0	0
BSD0027 106.52 108.7	BSD0027		tg	DD	Waste	jinkas	fr			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0028 60 62	BSD0028		tg	DD	Waste	jinkas	pw			1	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0028 62.8 64.2	BSD0028		tg	DD	Waste	jinkas	fr			2	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0031 24 26	BSD0031	is	tg	DD	Waste	jinkas	pw			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0031 36 38	BSD0031		tb	DD	Waste	jinkas	pw			0	0	0	3	0	0	0	4	0	0	0	0	0	3	0	0	0
BSD0031 112 114	BSD0031	usa	tm	DD	Waste	jinkas	fr			0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0032 12 14	BSD0032	is	cy	DD	Waste	jinkas	cw			0	0	0	3	0	0	0	4	0	0	0	0	0	3	0	0	0
BSD0032 39 41	BSD0032	is	tg	DD	Waste	jinkas	mw			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0032 59.12 60.5	BSD0032		tm	DD	Waste	jinkas				0	0	0	3	0	0	0	4	0	0	0	0	0	1	0	0	0
BSD0032 150 152	BSD0032		is	DD	Waste	jinkas	fr			0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0032 163 164	BSD0032		ti	DD	Waste	jinkas				0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0032 164.46 166	BSD0032		tb	DD	Waste	jinkas				1	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0
BSD0033 22 24	BSD0033	usa	cy	DD	Waste	dingo																				

Attachment 4 - GAI ≥3 sample count summary

Waste

Lithology Codes	Number of Samples	Ag		As		Bi		Cl		Co		Cr		Mo		Ni		Re		S		Sb		Se		Te		W	
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
tb	30	1	3%	0	-	1	3%	0	-	1	3%	1	3%	0	-	1	3%	0	-	1	3%	0	-	13	43%	30	100%	2	7%
tbg	3	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	3	100%	3	100%	0	-
tg	30	1	3%	0	-	1	3%	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	8	27%	30	100%	3	10%
ti	9	1	11%	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	11%	0	-	2	22%	9	100%	2	22%
tm	24	1	4%	1	4%	1	4%	0	-	0	-	1	4%	1	4%	1	4%	1	4%	5	21%	0	-	12	50%	24	100%	3	13%
ts	6	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	17%	0	-	2	33%	6	100%	1	17%
md	5	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	40%	0	-	4	80%	5	100%	0	-
gg	1	1	100%	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	100%	0	-
gm	18	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	3	17%	0	-	2	11%	18	100%	2	11%
xx	6	0	-	1	17%	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	17%	6	100%	2	33%
cy	20	7	35%	3	15%	0	-	2	10%	0	-	0	-	0	-	0	-	1	5%	0	-	1	5%	12	60%	20	100%	9	45%
zl	3	1	33%	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	3	100%	3	100%	2	67%
zs	3	2	67%	1	33%	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	3	100%	3	100%	1	33%
zx	3	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	3	100%	3	100%	3	100%

Notes:
Red highlighted cells are lithology sample counts for analytes with GAI ≥ 3

Ore

Lithology Codes	Number of Samples	Ag		Bi		Re		S		Se		Te		W	
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
tbg	1	0	-	0	-	0	-	0	-	0	-	1	100%	0	-
tf	1	0	-	0	-	0	-	0	-	0	-	1	100%	1	100%
tg	1	0	-	0	-	0	-	0	-	0	-	1	100%	0	-
ti	3	0	-	0	-	0	-	3	100%	1	33%	3	100%	3	100%
tm	6	1	17%	1	17%	1	17%	6	100%	5	83%	6	100%	1	17%
cy	2	2	100%	0	-	0	-	0	-	1	50%	2	100%	2	100%

Notes:
Red highlighted cells are lithology sample counts for analytes with GAI ≥ 3