Investigation of partial leach soil surveys at the Tunkillia Gold prospect, SA

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Report Book 2010/01

Government of South Australia
Primary Industries and Resources SA

203890

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November 2009

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Acknowledgements
Minotaur Exploration are acknowledged for providing necessary information on the deposit to complete this project and for providing access to the site and accommodation during field work. Barry Van Der Stelt and Ian Hutchinson from Minotaur Exploration provided field assistance. This report was improved by comments of John Keeling.

Preferred way to cite this publication
Fabris, A.J. 2009. Investigation of partial leach soil surveys at the Tunkillia Gold Deposit, SA. *South Australia. Department of Primary Industries and Resources. Report Book* 2010/01.

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Investigation of partial leach soil surveys at the Tunkillia Gold prospect, South Australia

Adrian Fabris

ABSTRACT

Geochemical soil samples were taken on two traverses over shear-hosted Au mineralisation in Area '223' at the Tunkillia Au prospect, 550 km northwest of Adelaide. The objective was to assess the effectiveness of near-surface soil sampling in locating mineralisation in areas where bedrock is deeply weathered and covered by an aeolian dune field. One sample line was along the crest of a longitudinal dune that cross-cut the mineralised zone, the other along the adjacent swale. Samples were collected from 5–25 cm depth, sieved to <200 µm, and element concentrations determined on partial extractions obtained using sodium pyrophosphate with cyanide.

Gold results for individual survey lines showed highest values over the mineralised zone. Results for the dune traverse, however, gave significantly reduced levels of extractable Au, and an anomaly to background ratio that was much less than for samples collected along the swale.

Near-surface soil sampling and partial leach analysis is potentially a viable and cost effective exploration strategy in the region, provided regolith, landform and vegetation factors are taken into consideration in determining appropriate background values against which individual sample data are evaluated.

INTRODUCTION

The two geochemical traverses across Tunkillia Au orebody 'Area 223' described in this report are a consequence of earlier investigations on the use of soil geochemistry as an exploration technique in areas of thick regolith cover, specifically at sites in the Curnamona Province and Gawler Craton (Fabris et al., 2007; 2009a,b). Previous PIRSA trial surveys at Tunkillia using CHIM and partial leach geochemistry gave encouraging results (Fabris et al., 2009a). It was concluded that both CHIM and partial leach techniques were effective surface methods for outlining the mineralised zone, however, the choice of survey line meant that it did not adequately test the methods effectiveness through thick sand cover. The subject of this report are two follow-up geochemical survey lines designed to test the effect that thick aeolian sand over the ore zone has on the results. Methods used are those identified as most effective in the earlier survey (Fabris et al., 2009a).

TUNKILLIA Au PROSPECT GEOLOGY

The Tunkillia prospect is situated 550 km northwest of Adelaide and 100 km west of Glendambo on the eastern margin of the Great Victoria Desert (Fig. 1). Gold mineralisation was discovered by follow-up drilling of surficial Au-in-calcrete sample results which defined an area of ~20 km^2 with >10 ppb Au within a broad hydrothermal system associated with the Yarlbrinda Shear Zone (Fig. 1; Martin, 1996; Ferris and Wilson, 2004). Within this anomalous zone, the most prospective site was identified as 'Area 223' which was subsequently pattern drilled to establish a JORC-compliant total resource of 803,000 ounces Au and 1,658,000 ounces Ag comprised of an oxide zone of 6.3 Mt at an average grade of 1.1 g/t Au (0.5 g/t cut-off) and a sulphide zone of 9.3 Mt grading 1.9 g/t Au (1.0 g/t cut-off) (Minotaur Exploration Ltd., 2009).

Gold mineralisation occurs in narrow, steeply-dipping quartz veins (lode gold style) within sheared, brecciated and sericite-chlorite altered granitoids of the Tunkillia Suite (1690–1670 Ma; Ferris and Wilson, 2004). Lithological variation across the survey lines have been outlined in interpreted cross-sections (Fig. 2). Bedrock is deeply weathered, up to approximately 50 m depth, and the weathered zone (saprolite) is dominantly kaolinite and quartz and mostly leached of Au and Ag. Gold mineralisation is known from approximately 50 m and is open at depth. A zone of supergene Au (oxide zone) is developed above the base of weathered bedrock and is laterally more extensive than the underlying primary mineralisation (sulphide zone). The water table sits at approximately 35 m depth (Gray and Pirlo, 2005).

Gold within the mineralised zone in fresh bedrock is associated with sulphides – dominantly pyrite with minor galena – and is often found with Ag, typically with an Ag:Au ratio of approximately 4:1 (Richard Hill pers. comm.).

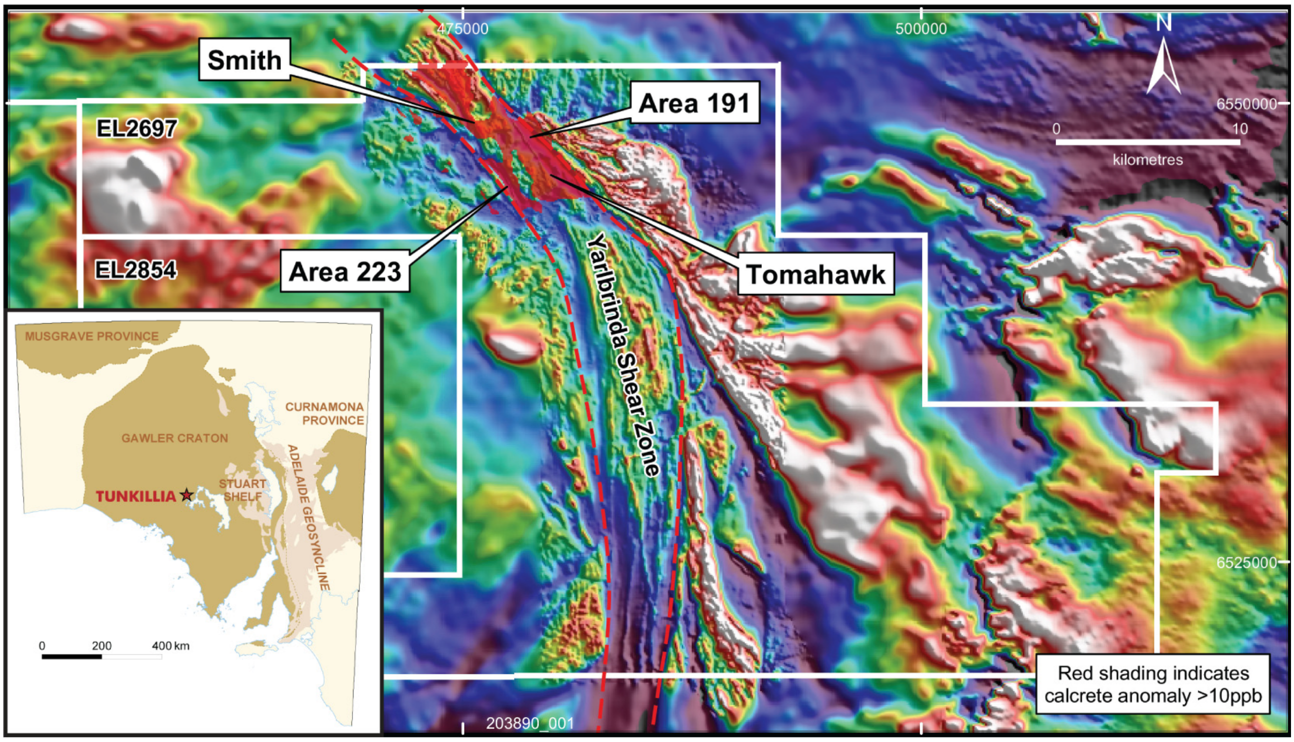

Figure 1. Total magnetic intensity image for Tunkillia with calcrete anomalies superimposed (Ferris and Wilson, 2004). Inset is the location of the Tunkillia prospect within South Australia (GDA94, MGA54)

Regolith

Across the survey area, saprolite varies from 30 to 50 m thickness and is covered by 1–12 m of orange-brown to red-brown, fine to coarse aeolian sand. Powdery, massive calcrete is developed close to the surface, where sand cover is thin, and can persist into weathered bedrock. The presence of pearl bluebush is usually an indicator of near-surface, carbonate-rich soils.

There are up to three phases of dune cover in the region (Lowrey, 2007). Phase 1 is characterised by a high proportion of Fe-oxides and clay in which cryptogam development is common. Vegetation is dominated by mulga (*Acacia aneura, Acacia ramulosa*), tussock grasses and Cactus Pea (*Bossiaea walkeri*). Phase 2 is characterised by abundant mallee (*Eucalyptus socialis and Eucalyptus concinna*) and spinifex (*Triodia scariosa*) with occasional mulga (*Acacia ramulosa*) and Cactus Pea (*Bossiaea walkeri*) growth. Phase 3 is still actively forming and often partly buries older stands of mallee and casuarina vegetation.

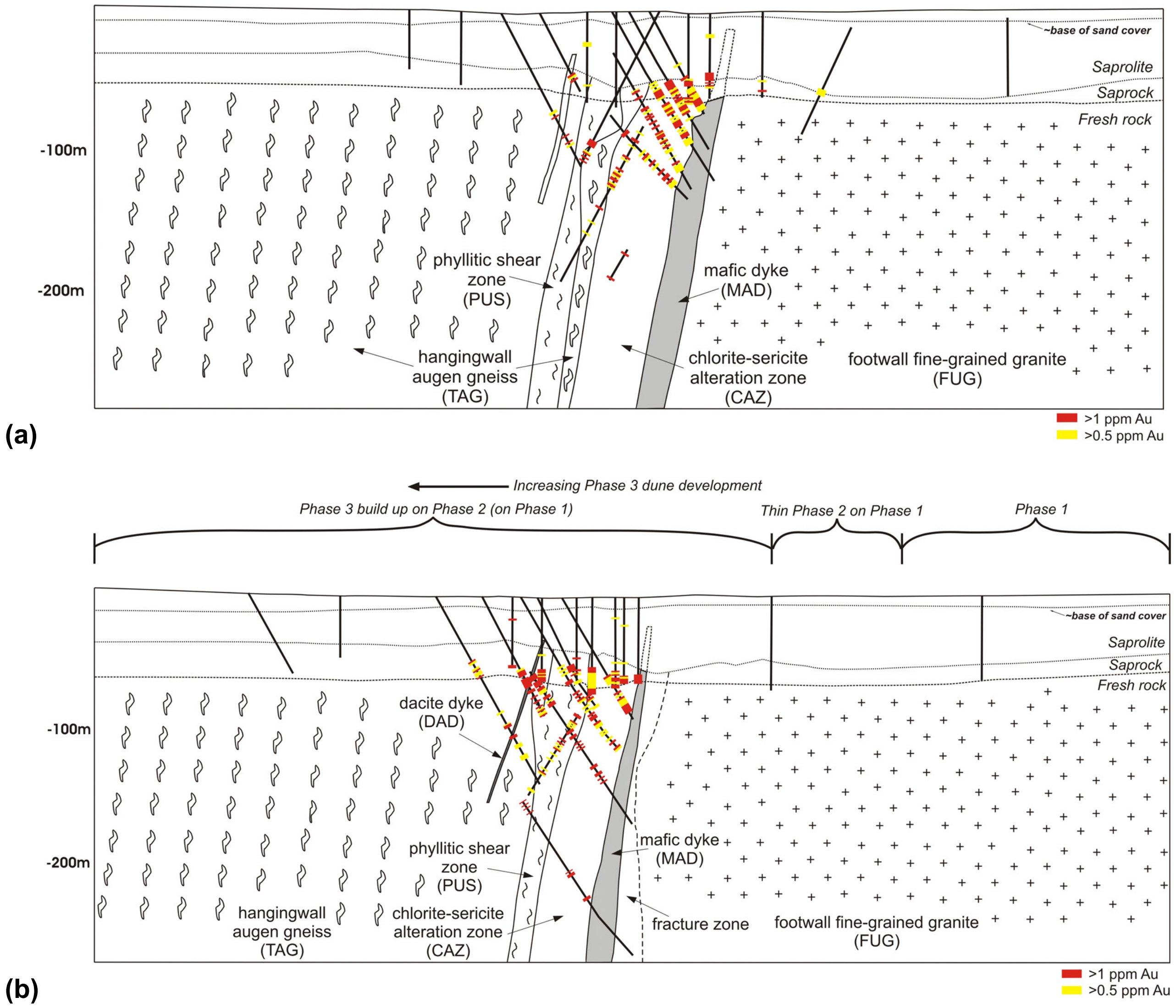

Figure 2. Geological cross-sections for the Tunkillia survey lines. (a) Survey line TKS, (b) survey line TKD

TUNKILLIA SOIL SURVEYS

The Tunkillia geochemical survey lines were centred on the projected surface trace of the mineralised zone of the 'Area 223' orebody (Fig. 3). One soil traverse (line TKD; Fig. 4) was chosen along the crest of a longitudinal sand dune The second traverse (line TKS; Fig. 5) was roughly parallel and in the adjacent swale, 50-100 m north of line TKD.

Survey along dune crest (TKD)

Subtle sand thickness variation and changes to vegetation-type are present along sample line TKD (longitudinal dune). Sand cover thickness varies from between 4 and 12 m and generally thicken to the west. Different dune phases can be distinguished by changes in vegetation and Fe content (colour). Although aligned as one longitudinal dune, survey line TKD is a composite dune with variable contribution from three dune phases. In detail, the contribution of younger aeolian material increases to the west (Fig. 2b). This is represented in changes of vegetation from communities characterised by mulga (A*cacia ramulosa*), great victoria mallee (*Eucalyptus concinna*), cactus pea (B*ossiaea walkeri*) and cryptogam development (phase 1 dune), to those dominated by mulga (A*cacia ramulosa*), spinifex (*Triodia scariosa*) and red mallee (E*ucalyptus socialis*; phase 2 dune) (Fig. 4).

Survey along swale (TKS)

Survey line TKS crosses a red-brown sandplain associated with a swale. Aeolian cover sediments vary from between 1 and 7 m thick with a general trend of thickening to the west and slight thinning over the mineralised zone. Characteristic surface features include abundant cryptogam development and a diverse plant community including mallee (*Eucalyptus socialis* and *Eucalyptus concinna*), mulga (A*cacia ramulosa*), rosewood (*Alectryon oleifolius*), pearl bluebush (*Maireana sedifolia*), bladder saltbush (*Atriplex vesicaria*) and the occasional black oak (*Casuarina pauper*). The density and type of vegetation varies slightly along the survey line in relation to the encroachment of dunal material into the swale and subsequent build-up of loose sand where open areas of tussock grass and spinifex can be found (Fig. 5).

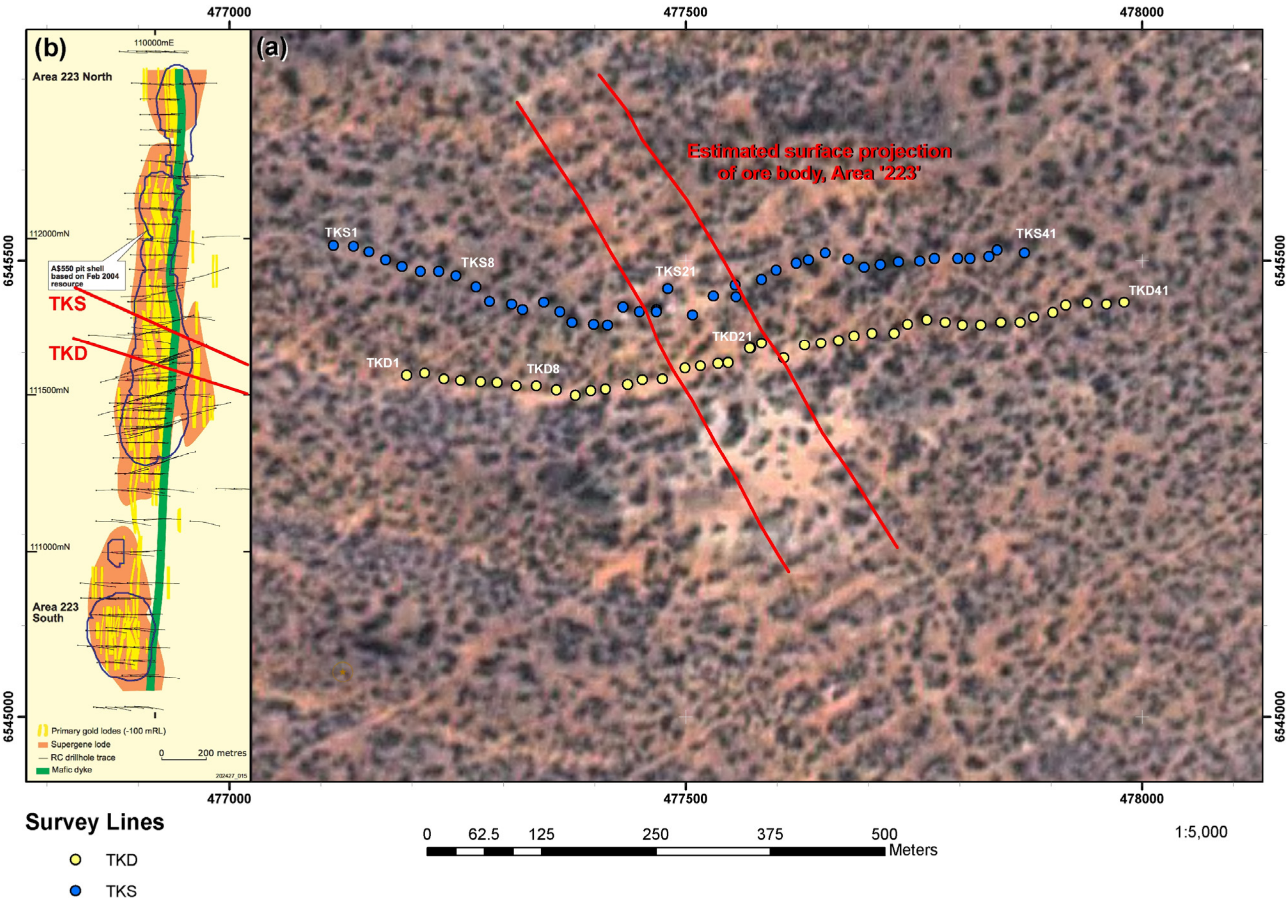

Figure 3. Location of Tunkillia survey lines (a) on satellite image (GDA94, MGA53) (b) approximate location projected on 'Area 223' mineralised zone (after Ferris and Wilson, 2004)

Methods

Soil sampling and analyses

Samples were taken at 20 m intervals along 2 survey lines of ~800 m in length (Fig. 3). Soil samples were collected from 5–25 cm below the surface and sieved in the field using a 75 mesh screen to retain the passing fraction (<200 µm). Sampling depth was based on encouraging results from previous surveys and experimental work of Mann et al. (2005; Fabris et al., 2009a). Over part of survey line TKS, seven separate minus 200 mesh (<75 µm) samples were taken for comparison. Ideally, all samples were to be <75 µm, however, insufficient sample of this size fraction was recovered at initial dune crest test sites and for this reason it was decided that <200 µm sample fraction was more likely to be recovered in the required amount at all sites.

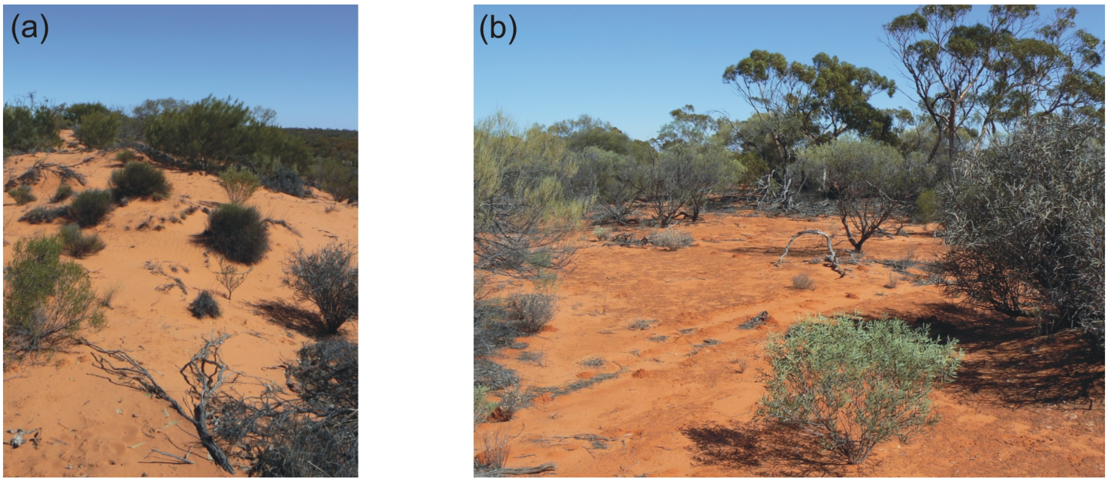

Figure 4. **Survey line TKD. (a) TKD1 – phase 3 dune build-up on phase 2 dune. Dominant vegetation shown include spinifex (*Triodia scariosa*) and mulga (*Acacia ramulosa*). (b) TKD41 – phase 1 dune with characteristic cryptogam development on the surface of the dune. Dominant vegetation shown include mulga (*Acacia ramulosa*), great victoria mallee (*Eucalyptus concinna*) and cactus pea (*Bossiaea walkeri*).**

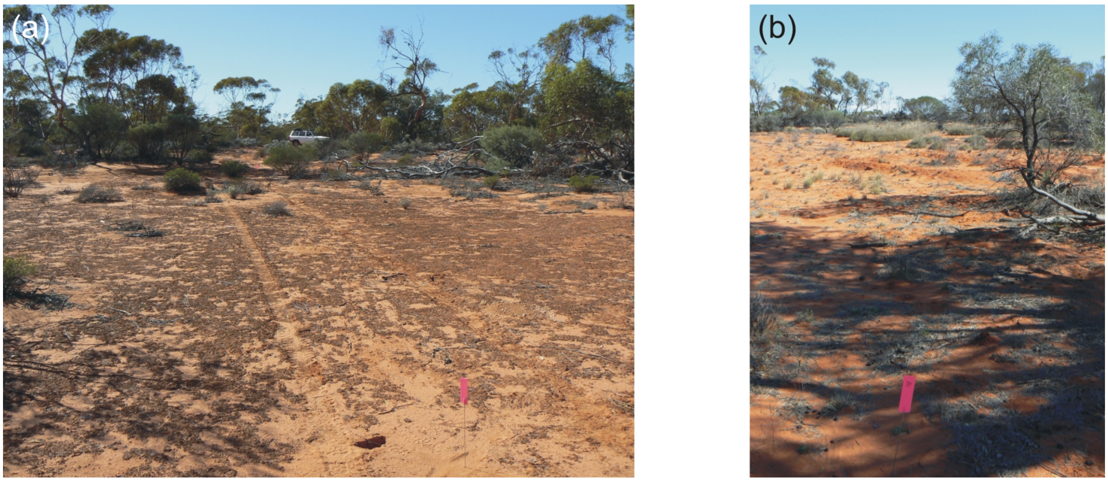

Figure 5. **Survey line TKS. (a) TKS1 – plain within a swale with sufficient fine sediment to support cryptogam growth (fungi/lichen). Vegetation is dominated by great victoria mallee (*Eucalyptus concinna*) with lesser red mallee (*Eucalyptus socialis*). (b) TKS30 – sandplain within swale. Diverse vegetation in the region includes great victoria mallee (*Eucalyptus concinna*), rosewood (*Alectryon oleifolius*) and black oak (*Casuarina pauper*), with spinifex (*Triodia scariosa*) and tussock grass towards a dune crest to the north (background).**

All samples were analysed for Au, Ag, As, Bi, Cd, Cu, Mo, Ni, Pb, Rb, U, Zn using ICP-MS and a sodium pyrophosphate with cyanide partial leach (AMDEL). Partial leach analysis was chosen so as to increase the proportion of loosely bound ions that can potentially reflect underlying mineralisation as compared to digesting the entire mineral grain that act to dilute the sample. This specific leach was chosen based on previous work at this location (Fabris et al., 2009a). The cyanide is an effective extractant for Au and Ag, and sodium pyrophosphate is regarded as effective at liberating metal ions from organic matter and those associated with aluminium oxides and some clays. A handheld X-ray fluorescence analyser was used to determine Fe, Ca and its proxy Sr, although more element results can be found in Appendix 1.

Quality assurance/quality control

To reduce the possibility of contamination in the field, all sampling equipment was thoroughly cleaned after collection of each sample. A consistent sampling protocol was followed. Duplicate and replicate samples were taken in the field for both sample intervals (App. 1).

Results

Plots of all results are given in Appendix 2 and are tabulated in Appendix 1.

Survey line TKS

Anomalous Au values of >9 ppb are evident between sample sites 19 and 29 (except site 21 with 6.8 ppb; Fig. 6). The peak value of 49 ppb at sample site 26 is directly above the western margin of the footwall granite. A similar trend is evident in the finer <75 μm fraction, but with greater values (peak of 155 ppb).

A zone of elevated U-Mo-Pb-Rb-Bi is evident over the eastern half of the survey line (sites 21–37; Fig. 7). Uranium values reach 196 ppb at site 26 (706 ppb in <75 μm fraction from a similar sample site). Ca and Sr values determined using a portable XRF are high at either end of the survey line (sites 1-4 and 39-41) as well as for sample sites 14 and 15 (Fig. 8).

No significant trends are evident in the results obtained for other elements.

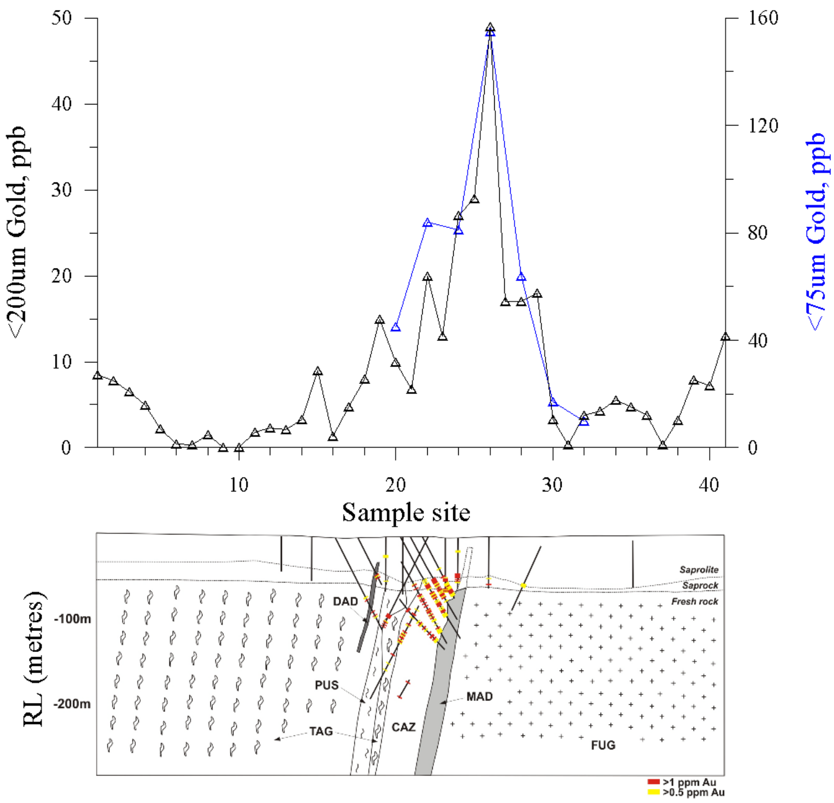

Figure 6. Plot of Au values for survey line TKS, Tunkillia prospect

Survey line TKD

Gold values are slightly elevated between sample sites 18 and 25 (peak value of 7.2 ppb) and in combination with high Ag from sample sites 29, 30 and 41 (Fig. 9). These correspond to areas above the mineralised zone and footwall granite. Relatively high Cd, Cu and Mo values are evident in the eastern third of the survey line over the footwall granite (sample sites 29 to 41; Fig. 10). A

high value for Ca and Sr from sample site 41 was determined using the portable XRF (Fig. 11) and correlates with high Au-Ag-Cd-Cu values and visible carbonate during sampling.
No significant trends are evident in the results for other elements analysed.

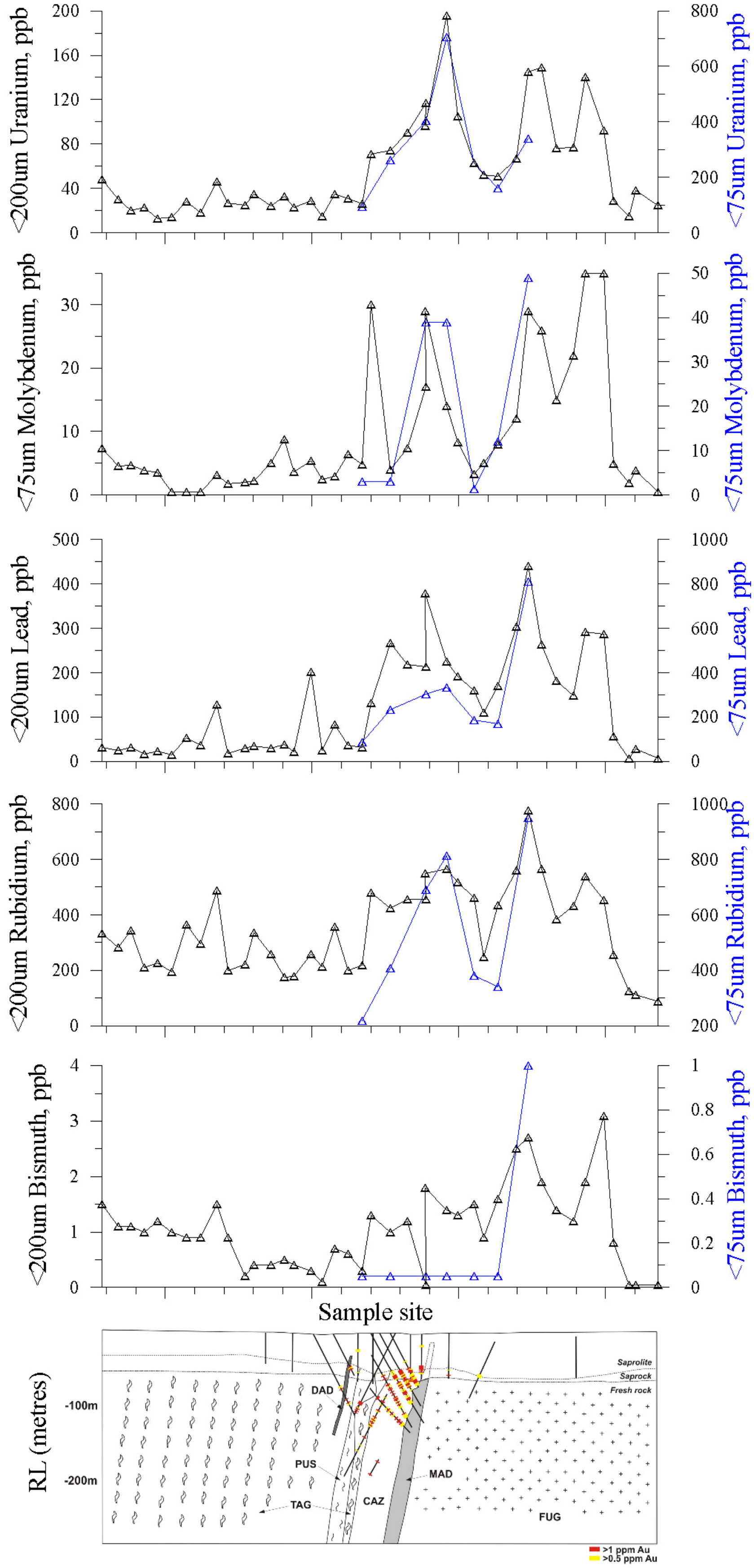

Figure 7. Plot of U-Mo-Pb-Rb-Bi values for survey line TKS, Tunkillia prospect

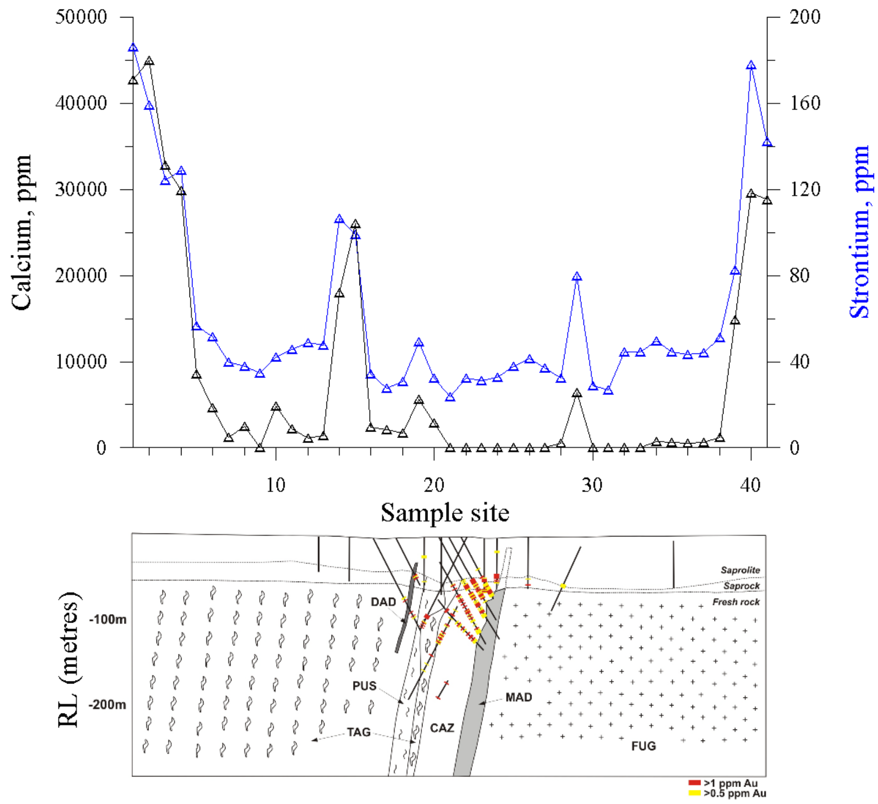

Figure 8. **Plot of Ca and Sr values determined using a portable XRF along survey line TKS, Tunkillia prospect**

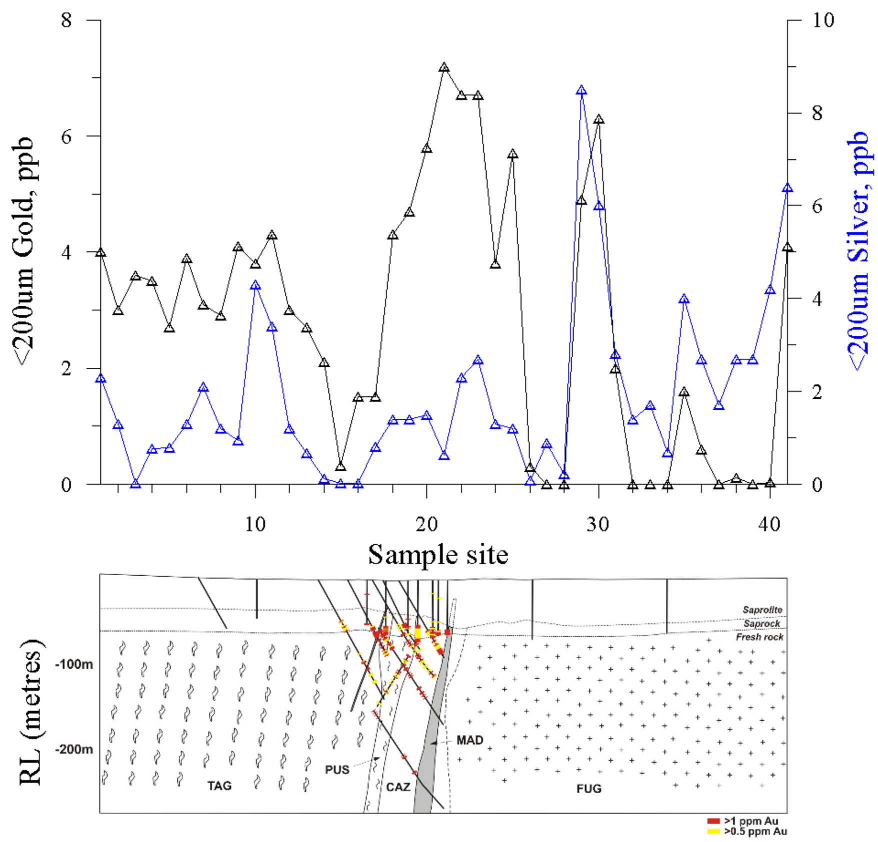

Figure 9. **Plot of Au and Ag values for survey line TKD, Tunkillia prospect**

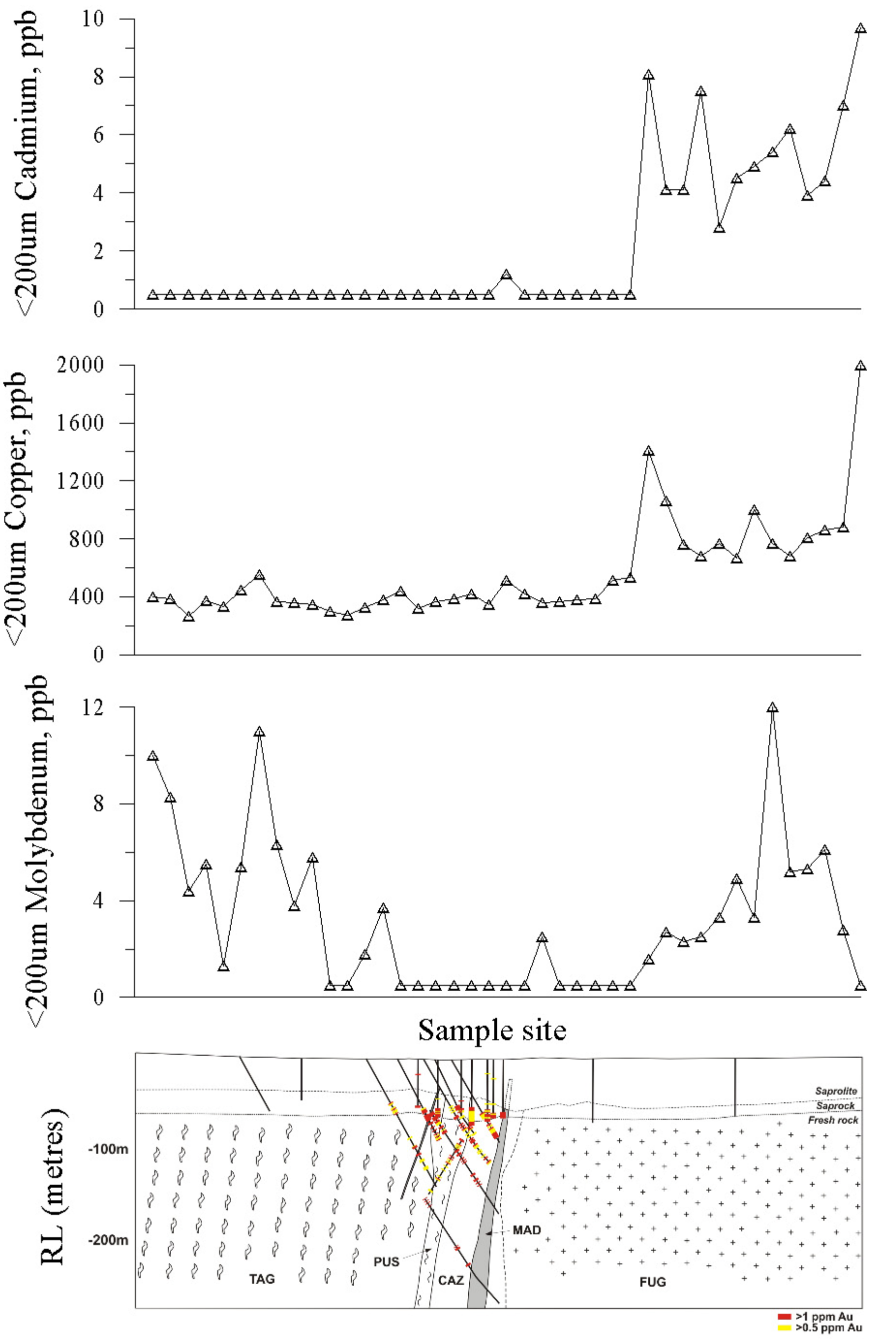

Figure 10. Plot of Cd-Cu±Mo values for survey line TKD, Tunkillia prospect

COMPARISON OF SIZE FRACTION

For seven sample sites along survey line TKS, a finer soil fraction (<75 µm) was separated for comparison with the <200 µm fraction. Both sample fractions show a similar geochemical pattern for most elements but the magnitude of trace element concentration was greater in the finer fraction. Best examples are for Au and U (Table 1). The peak Au value in the <200 µm fraction was 49 ppb compared to 155 ppb using the <75 µm fraction at the same location, and for U, the peak value in the <200 µm fraction was 196 ppb compared to 706 ppb using the <75 µm fraction. The higher values in the <75 µm sample fractions, are consistent with reduced quartz content in the finer fraction. Quartz is interpreted here to be present mostly as a dilutant to soil phases that contain trace elements that may reflect underlying bedrock mineralisation.

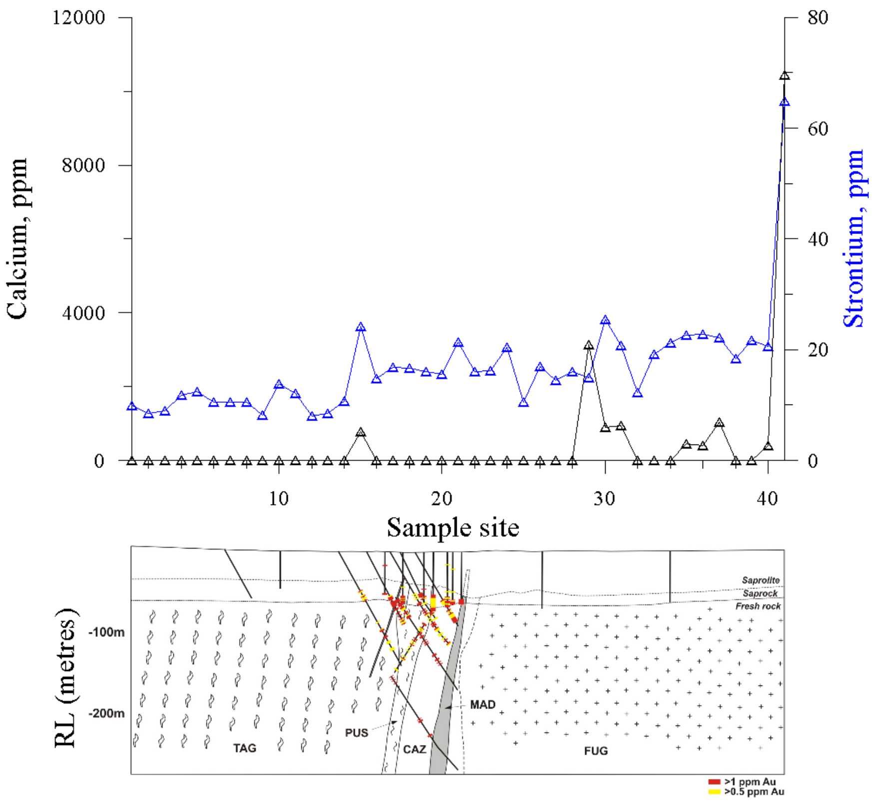

Figure 11. Plot of Ca and Sr values determined using a portable XRF along survey line TKD, Tunkillia prospect

Table 1. Geochemical comparison between size fractions for Au and U, survey line TKS

	Au (ppb)		**U** (ppb)	
Sample site	*<200 µm*	*<75 µm*	*<200 µm*	*<75 µm*
20	10	45	26	93
22	20	84	74	263
24	26	81	122	403
26	49	155	196	706
28	17	64	63	252
30	3.3	17	51	160
32	3.8	10	145	341

DISCUSSION

Several geochemical trends exist in the soil data. The mineralised zone is identifiable from anomalously high Au values for both survey lines, although peak values are offset towards the footwall. A different geochemical background exists between samples within swales as compared to on top of dune crests. In addition, dune crest samples give minor variation in geochemical background along the dune in relation to dune phase changes. The main geochemical trends are discussed below.

Comparison between survey line TKS and TKD

The aim of the survey was to see whether the Au mineralised zone could be detected through aeolian cover, both within a swale and through built-up longitudinal dunes which are common to the region. Survey line TKS along the swale and over a thin to moderate thickness of transported cover, gives a distinct anomaly for Au over the mineralised zone. A broad and high magnitude anomaly spans approximately 200 m that extends over the known width of the secondary Au zone in saprock. Peak values are offset 60 m east of the centre of the mineralised zone and may be evidence of dispersion processes (surface dispersion e.g. mechanical dispersion, and/or sub-surface dispersion e.g. groundwater flow). A value of 14 ppb is sufficient to exclude Au values relating to background variation, although background values are far lower if you exclude those with elevated Ca, such as sample at either end of the TKS survey line. In comparison, background and anomalous values for samples taken on the dune are lower than for those taken in the swale. For survey line TKD, Au values of >4 ppb are regarded as anomalous. This defines an anomalous zone between sites 18–25 (maximum value of 7.2 ppb) of 140 m width. Although the anomaly is barely twice background, the correlation to the position of the mineralised zone suggests that it is a significant anomaly. Like the Au anomaly from swale samples, high values extend east of the known mineralised zone to over the footwall granite. A second anomaly gained from samples along survey line TKD at sites 29 to 31 is also regarded as significant (maximum value of 6.3 ppb). In addition to high Au values, high Ag values are present in these samples. This Au-Ag anomaly may indicate the presence of footwall mineralisation known from other drill lines in this area. There is inadequate drilling along the survey line to confirm this hypothesis.

The other significant geochemical trend is high U-Mo-Pb-Rb-Bi from sample site 21 to 37 along survey line TKS (mineralised zone and footwall lithologies). No major change in regolith landform setting was identified along the line that obviously related to this geochemical trend. Elevated values for these elements may relate to lithological variation in underlying bedrock. Values, particularly of U, Mo and Pb are higher than what is generally considered background for aeolian sediments (Table 1 and App. 1). For survey line TKD, Cd, Cu and Mo were high over the footwall granite. Iron determined by Niton XRF does not show any significant correlations with these elements (App. 2).

Geomorphological variation

While each survey line was designed to maintain a similar geomorphological setting, variation along the lines was unavoidable. In particular, survey line TKD along the crest of a longitudinal dune, on closer scrutiny, is a composite of more than one generation of dune formation. Three dune phases can be distinguished (see Tunkillia Au prospect geology section). Samples from sites 1–26 are a combination of phase 3 and phase 2 dunes (which overlie an earlier phase 1 dune; Fig. 2). From sample site 27 to 41, the proportion of phase 3 and phase 2 dunes diminishes such that beyond site 31, samples are dominantly within a phase 1 dune. Iron values determined using the portable XRF, generally increase from west to east along the line and may represent this diminishing proportion of phase 3 dune material, where the phase 1 dune has higher Fe content (App. 2).

Although minor, there is a change in background level evident for a few elements as a result of the change from younger to older dune phases along survey line TKD. Most noteworthy are the Au results along line TKD. Samples from phase 1 dunes have a lower background than samples that include phase 3 material. Possible explanations include:

1. Contamination from drill spoil. This is unlikely as wind direction is dominantly from the SW and any wind-blown contamination from drilling on the ore zone would be expected to be greater along the eastern portion of the survey line.

2. Different backgrounds represent lithological changes within bedrock. If this was the case, the same change should be seen in results along TKS which was not the case.

3. Different relative efficiency of various plant species to uptake and transfer particular elements, as indicated by previous vegetation sampling at Tunkillia (Lowrey, 2007 and Reid, 2009). Of the plant species identified over survey line TKD and sampled by Lowrey (2007) and Reid (2009), great victoria mallee gave the highest Au values of up to 2.3 ppb. Other relevant species to this study included mulga (*Acacia ramulosa*) with up to 0.3 ppb Au, red mallee with up to 0.6 ppb Au, pearl bluebush with up to 0.9 ppb Au and spinifex with up to 0.29 ppb Au (ashed sample) over mineralised zones. Although all dune phases hosted a relatively diverse plant community, spinifex and red mallee species were more common on phase 2 and 3 dune

material, than phase 1 material that was dominated by mallee, mulga and cactus pea species. This therefore means that there is no supporting evidence for greater Au values in phase 2 and 3 dunes due to its particular plant community, however a more targeted study with analysis of a greater number of plant species is necessary to sufficiently test this hypothesis.

Geochemical anomalies through aeolian cover

One of the difficulties of geochemical sampling within aeolian cover, is the mobile nature of the sediment, meaning anomalies can potentially be transported from large distances, and must be formed in a relatively short period of time. For this reason it is remarkable that geochemical anomalies have formed above bedrock mineralisation, particularly for survey line TKD where samples were taken on or just off the crest of a longitudinal sand dune, and including samples taken within relatively modern and apparently mobile sediment.

Where soil anomalies in dunes are suspected to relate to bedrock, the increased trace element contents must therefore reflect relatively rapid vertical element transport. A probable mechanism is via vegetation and the ability of deeply rooted species to pump water from groundwater that is in contact with the mineralisation (Aspandiar et al., 2008). Element recycling via plant roots and leaf drop, as transported cover thickness increases may further concentrate metal ions near the surface. By this mechanism, relatively rapid surface soil anomalies can be created from generations of plants dropping leaf litter at the surface. Lowrey (2007) sampled a range of vegetation types in the region with Au values of up to 2.3 ppb gained from leaves (great victoria mallee). Given that the sodium pyrophosphate component of the partial leach used is reported as targeting the organic component of the sample along with aluminium oxides and some clay minerals, it is reasonable that anomalies of up to 7.2 ppb Au were obtained from shallow soils known to contain organic matter generated from plant growth.

CONCLUSION

Two soil surveys were conducted to test whether soil geochemistry could be used to detect Au mineralisation through aeolian cover. Gold results from both the survey line along the swale and dune crest can be used to identify the mineralised zone, however the difference in geochemical background resulting from the two different geomorphic settings need to be taken into account when assessing the soil geochemistry. Samples taken along the swale give a pronounced Au anomaly over the mineralised zone, whereas Au values from samples taken along the dune are regarded as barely twice background. For both survey lines, the soil anomalies are broader and peak values offset to the east of the mineralised zone. Unlike a previous soil survey in the region, no other element gave an indication of the mineralised zone.

A Au-Ag soil anomaly from samples taken along the dune is evident in results over the footwall granite where footwall Au mineralisation has been identified in neighbouring drill lines, but the significance of the anomaly at this location is yet to be tested.

Three phases of dune formation have been identified along survey line TKD and these affect the geochemical background for some elements. These dune phases should be considered when assessing soil geochemical results in the region.

Results from several samples taken using a finer <75 μm fraction compared to the <200 μm fraction taken in the project as a whole, give similar geochemical patterns but with a greater magnitude.

Elevated Au values gained through thick and presumably quite young aeolian sediment is possibly generated by gradual accumulation of organic matter within the soil derived from vegetation that pumps water from Au-enriched groundwater. This mechanism is consistent with evidence of elevated metal values in vegetation samples collected by others.

Partial leach analysis of near-surface soil sampling has been reasonably shown to identify mineralisation in the region and it is recommended that the method be used in greenfields areas within the region.

APPENDIXES

APPENDIX 1 NITTON AND SOIL GEOCHEMICAL DATA

Survey site	sample	Date	Units	Mo	Zr	Zr Error	Sr	Sr Error	U
TKD1	tkd-01	07/04/2009	ppm	< LOD	668.28	14.67	9.83	2.89	< LOD
TKD2	tkd-02	07/04/2009	ppm	< LOD	219.36	8.73	8.46	2.66	< LOD
TKD3	tkd-03	07/04/2009	ppm	< LOD	1162.53	19.52	9.01	2.98	< LOD
TKD4	tkd-04	07/04/2009	ppm	< LOD	543.39	13.34	11.83	3.01	< LOD
TKD5	tkd-05	07/04/2009	ppm	< LOD	413.84	11.65	12.4	2.97	< LOD
TKD6	tkd-06	07/04/2009	ppm	< LOD	423.61	11.75	10.5	2.9	< LOD
TKD7	tkd-07a	07/04/2009	ppm	< LOD	340.9	10.6	10.48	2.86	< LOD
TKD8	tkd-08	07/04/2009	ppm	< LOD	513.17	12.97	10.43	2.93	< LOD
TKD9	tkd-09	07/04/2009	ppm	< LOD	658.27	14.36	8.21	2.79	< LOD
TKD10	tkd-10	07/04/2009	ppm	< LOD	539.32	13.38	13.79	3.14	< LOD
TKD11	tkd-11	07/04/2009	ppm	< LOD	295.81	9.92	12.12	2.91	< LOD
TKD12	tkd-12	07/04/2009	ppm	< LOD	213.46	8.69	7.97	2.62	< LOD
TKD13	tkd-13	07/04/2009	ppm	< LOD	541.07	13.27	8.49	2.83	< LOD
TKD14	tkd-14	07/04/2009	ppm	< LOD	244.5	9.19	10.74	2.84	< LOD
TKD15	tkd-15a	07/04/2009	ppm	< LOD	291.69	10.05	24.19	3.62	< LOD
TKD16	tkd-16	07/04/2009	ppm	< LOD	635.52	14.5	14.84	3.2	< LOD
TKD17	tkd-17	07/04/2009	ppm	< LOD	357.89	10.97	16.83	3.28	< LOD
TKD18	tkd-18	07/04/2009	ppm	< LOD	427.91	11.9	16.7	3.26	< LOD
TKD19	tkd-19	07/04/2009	ppm	< LOD	422.03	11.83	16.07	3.23	< LOD
TKD20	tkd-20	07/04/2009	ppm	< LOD	401.5	11.61	15.58	3.2	< LOD
TKD21	tkd-21a	07/04/2009	ppm	< LOD	443.15	12.03	21.32	3.51	< LOD
TKD22	tkd-22	07/04/2009	ppm	< LOD	373.66	11.3	15.97	3.21	< LOD
TKD23	tkd-23	07/04/2009	ppm	< LOD	844.88	16.92	16.14	3.37	< LOD
TKD24	tkd-24	07/04/2009	ppm	< LOD	576.03	13.85	20.47	3.52	< LOD
TKD25	tkd-25	07/04/2009	ppm	< LOD	611.21	14.29	10.58	3	< LOD
TKD26	tkd-26	07/04/2009	ppm	< LOD	557.63	13.39	16.89	3.26	< LOD
TKD27	tkd-27	07/04/2009	ppm	< LOD	630.41	14.38	14.46	3.2	< LOD
TKD28	tkd-28	07/04/2009	ppm	< LOD	383.38	11.42	16.07	3.21	< LOD
TKD29	tkd-29	07/04/2009	ppm	< LOD	140.97	7.47	14.95	3.1	< LOD
TKD30	tkd-30	07/04/2009	ppm	< LOD	563.97	13.69	25.4	3.76	< LOD
TKD31	tkd-31	07/04/2009	ppm	< LOD	401.82	11.52	20.74	3.42	< LOD
TKD32	tkd-32	07/04/2009	ppm	< LOD	241.57	9.13	12.33	2.93	< LOD
TKD33	tkd-33	07/04/2009	ppm	< LOD	636.59	14.66	19.17	3.51	< LOD
TKD34	tkd-34	07/04/2009	ppm	< LOD	430.67	12.12	21.23	3.55	< LOD
TKD35	tkd-35	07/04/2009	ppm	< LOD	537.39	13.44	22.67	3.66	< LOD
TKD36	tkd-36	07/04/2009	ppm	< LOD	305.2	10.37	22.73	3.65	< LOD
TKD37	tkd-37	07/04/2009	ppm	< LOD	206.38	8.64	22.22	3.51	< LOD
TKD38	tkd-38	07/04/2009	ppm	< LOD	543.01	13.48	18.3	3.46	< LOD
TKD39	tkd-39	07/04/2009	ppm	< LOD	490.99	12.84	21.74	3.59	< LOD
TKD40	tkd-40	07/04/2009	ppm	< LOD	172.35	8.08	20.59	3.44	< LOD
TKD41	tkd-41	07/04/2009	ppm	< LOD	516.06	13.32	64.89	5.33	< LOD
TKD8 (replicate)	tkd-42	07/04/2009	ppm	< LOD	661.1	14.55	10.91	2.97	< LOD
TKD20 (replicate)	tkd-43	07/04/2009	ppm	< LOD	722.61	15.37	20.02	3.49	< LOD
TKD26 (replicate)	tkd-44	07/04/2009	ppm	< LOD	613.65	14.22	16.21	3.28	< LOD
TKD20 (replicate)	tkd-45	07/04/2009	ppm	< LOD	317.58	10.36	17.31	3.25	< LOD
TKD29 (replicate)	tkd-46	07/04/2009	ppm	< LOD	631.19	14.56	34.4	4.25	< LOD
TKS1	tks-01	07/04/2009	ppm	< LOD	342.23	11.86	185.95	8.81	< LOD
TKS2	tks-02	07/04/2009	ppm	< LOD	356.4	11.74	158.92	8.11	< LOD
TKS3	tks-03	07/04/2009	ppm	< LOD	364.86	17.51	124.33	10.75	< LOD
TKS4	tks-04	07/04/2009	ppm	< LOD	394.84	12.12	129.06	7.34	< LOD
TKS5	tks-05	07/04/2009	ppm	< LOD	329.54	10.91	56.77	5.05	< LOD
TKS6	tks-06	07/04/2009	ppm	< LOD	431.58	12.36	51.44	4.93	< LOD
TKS7	tks-07	07/04/2009	ppm	< LOD	358.76	11.3	39.75	4.46	< LOD
TKS8	tks-08	07/04/2009	ppm	< LOD	415.12	12.01	37.99	4.32	< LOD
TKS9	tks-09	07/04/2009	ppm	< LOD	507.98	13.12	34.72	4.17	< LOD
TKS10	tks-10	07/04/2009	ppm	< LOD	216.6	8.93	42.01	4.41	< LOD
TKS11	tks-11	07/04/2009	ppm	< LOD	426.46	12.24	45.85	4.74	< LOD
TKS12	tks-12	07/04/2009	ppm	< LOD	318.22	10.71	48.87	4.77	< LOD
TKS13	tks-13	07/04/2009	ppm	< LOD	314.36	10.92	47.52	4.8	< LOD
TKS14	tks-14	07/04/2009	ppm	< LOD	294.52	10.48	106.5	6.58	< LOD
TKS15	tks-15	07/04/2009	ppm	< LOD	343.63	11.23	99.11	6.41	< LOD
TKS16	tks-16	07/04/2009	ppm	< LOD	181.25	8.32	34.37	4.09	< LOD
TKS17	tks-17	07/04/2009	ppm	< LOD	517.98	13.1	27.52	3.86	< LOD
TKS18	tks-18	07/04/2009	ppm	< LOD	349.19	11.09	30.98	3.99	< LOD
TKS19	tks-19	07/04/2009	ppm	< LOD	291.19	10.3	49.16	4.71	< LOD
TKS20	tks-20	07/04/2009	ppm	< LOD	262.8	9.68	32.38	3.97	< LOD

Survey site	sample	Date	Units	Mo	Zr	Zr Error	Sr	Sr Error	U
TKS21	tks-21	07/04/2009	ppm	< LOD	422.08	11.94	23.73	3.65	< LOD
TKS22	tks-22	07/04/2009	ppm	< LOD	515.51	13.22	32.33	4.1	< LOD
TKS23	tks-23	07/04/2009	ppm	< LOD	262.87	9.82	31.12	4.03	< LOD
TKS24	tks-24	07/04/2009	ppm	< LOD	346.75	10.95	32.78	4.03	< LOD
TKS25	tks-25	07/04/2009	ppm	< LOD	350.89	11.04	37.88	4.29	< LOD
TKS26	tks-26	07/04/2009	ppm	< LOD	324.48	10.75	41.48	4.45	< LOD
TKS27	tks-27	07/04/2009	ppm	< LOD	337.58	11	36.98	4.28	< LOD
TKS28	tks-28	07/04/2009	ppm	< LOD	418.61	11.96	32.22	4.1	< LOD
TKS29	tks-29	07/04/2009	ppm	8.45	388.6	11.77	79.59	5.85	< LOD
TKS30	tks-30	07/04/2009	ppm	< LOD	454.41	12.49	28.74	3.93	< LOD
TKS31	tks-31	07/04/2009	ppm	< LOD	400.29	11.67	26.73	3.8	< LOD
TKS32	tks-32	07/04/2009	ppm	< LOD	487.01	13.27	44.62	4.77	< LOD
TKS33	tks-33	07/04/2009	ppm	< LOD	401.61	12.28	44.56	4.77	< LOD
TKS34	tks-34	07/04/2009	ppm	< LOD	353.98	11.29	49.67	4.8	< LOD
TKS35	tks-35	07/04/2009	ppm	< LOD	426.07	12.42	44.46	4.72	< LOD
TKS36	tks-36	07/04/2009	ppm	< LOD	395.48	12.01	43.32	4.67	< LOD
TKS37	tks-37	07/04/2009	ppm	< LOD	397.92	11.85	44.25	4.59	< LOD
TKS38	tks-38	07/04/2009	ppm	< LOD	402.65	11.99	51.01	4.91	< LOD
TKS39	tks-39	07/04/2009	ppm	< LOD	576.61	14.68	82.42	6.2	< LOD
TKS40	tks-40	07/04/2009	ppm	< LOD	353.92	11.85	178.16	8.62	< LOD
TKS41	tks-41	07/04/2009	ppm	< LOD	393.74	12.48	142.35	7.85	< LOD
TKS32 (replicate)	tks-42	07/04/2009	ppm	< LOD	344.17	11.45	41.33	4.65	< LOD
TKS32	tks-43	07/04/2009	ppm	< LOD	712.9	16.97	73.49	6.21	< LOD
TKS30	tks-44	07/04/2009	ppm	< LOD	1298.75	22.36	83.46	6.57	< LOD
TKS28	tks-45	07/04/2009	ppm	< LOD	1423.08	23.19	92.06	6.8	< LOD
TKS26	tks-46	07/04/2009	ppm	< LOD	966.7	19.38	97.67	6.99	< LOD
TKS24	tks-47	07/04/2009	ppm	< LOD	1306.77	22.29	88.79	6.7	< LOD
TKS22	tks-48	07/04/2009	ppm	< LOD	1094.65	20.68	101.96	7.18	< LOD
TKS20	tks-49	07/04/2009	ppm	< LOD	983.19	19.54	134.13	7.98	< LOD
TKS29 (replicate)	tks-50	07/04/2009	ppm	< LOD	194.1	8.78	58.76	5.08	< LOD
TKS20 (replicate)	tks-51	07/04/2009	ppm	< LOD	392.96	11.65	49.4	4.73	< LOD
TKS12 (replicate)	tks-52	07/04/2009	ppm	< LOD	326.99	10.84	42.45	4.53	< LOD
TKS26 (replicate)	tks-53	07/04/2009	ppm	< LOD	550.63	13.96	45.38	4.77	< LOD
TKS24 (replicate)	tks-54	07/04/2009	ppm	< LOD	349.83	11.09	37.49	4.28	< LOD

Survey site	Rb	Rb Error	Th	Th Error	Pb	Pb Error	Tl	Se	Bi	As
TKD1	5.13	2.16	< LOD	8.93	< LOD	9.29	< LOD	< LOD	< LOD	< LOD
TKD2	3.96	1.99	< LOD	7.88	< LOD	8.52	< LOD	< LOD	< LOD	< LOD
TKD3	4.75	2.22	< LOD	10.33	< LOD	9.25	< LOD	< LOD	< LOD	< LOD
TKD4	7.9	2.44	< LOD	9.44	< LOD	9.4	< LOD	< LOD	< LOD	< LOD
TKD5	7.79	2.26	< LOD	9.13	< LOD	9.35	< LOD	< LOD	< LOD	< LOD
TKD6	7.59	2.31	< LOD	8.26	< LOD	8.58	< LOD	< LOD	< LOD	< LOD
TKD7	5.87	2.05	< LOD	8.81	< LOD	8.33	< LOD	< LOD	< LOD	< LOD
TKD8	6.68	2.36	< LOD	9.2	< LOD	9.19	< LOD	< LOD	< LOD	< LOD
TKD9	7.48	2.25	< LOD	9.42	< LOD	8.94	< LOD	< LOD	< LOD	< LOD
TKD10	7.86	2.35	< LOD	9.59	< LOD	9.43	< LOD	< LOD	< LOD	< LOD
TKD11	5.63	2.03	< LOD	8	< LOD	9.15	< LOD	< LOD	< LOD	< LOD
TKD12	6.02	2.17	< LOD	8.71	< LOD	9.05	< LOD	< LOD	< LOD	< LOD
TKD13	4.6	2.14	< LOD	9.61	< LOD	8.65	< LOD	< LOD	< LOD	< LOD
TKD14	4.79	2.07	< LOD	9.04	< LOD	8.52	< LOD	< LOD	< LOD	< LOD
TKD15	9.04	2.45	< LOD	8.37	< LOD	9.23	< LOD	< LOD	< LOD	< LOD
TKD16	8.02	2.42	< LOD	9.45	< LOD	8.98	< LOD	< LOD	< LOD	< LOD
TKD17	7.88	2.34	< LOD	8.74	< LOD	10.09	< LOD	< LOD	< LOD	< LOD
TKD18	4.49	2.08	< LOD	9.63	< LOD	10.29	< LOD	< LOD	< LOD	< LOD
TKD19	9.2	2.43	< LOD	8.83	< LOD	8.77	< LOD	< LOD	< LOD	< LOD
TKD20	9.35	2.54	< LOD	9.08	< LOD	8.86	< LOD	< LOD	< LOD	< LOD
TKD21	9.68	2.45	< LOD	8.27	< LOD	9.39	< LOD	< LOD	< LOD	< LOD
TKD22	8.2	2.32	< LOD	9.38	< LOD	8.11	< LOD	< LOD	< LOD	< LOD
TKD23	11.79	2.74	< LOD	11.19	11.46	7.13	< LOD	< LOD	< LOD	< LOD
TKD24	8.62	2.47	< LOD	9.23	< LOD	9.9	< LOD	< LOD	< LOD	< LOD
TKD25	8.7	2.5	< LOD	9.07	< LOD	9.21	< LOD	< LOD	< LOD	< LOD
TKD26	10.44	2.56	< LOD	9.34	11.54	6.91	< LOD	< LOD	< LOD	< LOD
TKD27	10	2.48	< LOD	9.43	< LOD	10.24	< LOD	< LOD	< LOD	< LOD
TKD28	9.53	2.47	< LOD	9.56	< LOD	9.32	< LOD	< LOD	< LOD	< LOD
TKD29	7.21	2.35	< LOD	8.94	< LOD	9.6	< LOD	< LOD	< LOD	< LOD
TKD30	14.11	2.8	< LOD	9.86	< LOD	9.24	< LOD	< LOD	< LOD	< LOD
TKD31	12.21	2.65	< LOD	8.79	< LOD	8.9	< LOD	< LOD	< LOD	< LOD
TKD32	8.84	2.4	< LOD	8.89	< LOD	9.17	< LOD	< LOD	< LOD	< LOD
TKD33	12.79	2.78	< LOD	9.58	< LOD	10.12	< LOD	< LOD	< LOD	< LOD
TKD34	11.6	2.71	< LOD	9.18	< LOD	10.04	< LOD	< LOD	< LOD	< LOD
TKD35	11.75	2.7	< LOD	9.62	< LOD	9.82	< LOD	< LOD	< LOD	< LOD
TKD36	11.71	2.6	< LOD	9.22	< LOD	8.94	< LOD	< LOD	< LOD	< LOD
TKD37	10.23	2.52	< LOD	8.79	< LOD	9.29	< LOD	< LOD	< LOD	< LOD
TKD38	12.54	2.78	< LOD	9.49	< LOD	11.09	< LOD	< LOD	< LOD	< LOD
TKD39	16.36	2.88	< LOD	9.49	< LOD	9.9	< LOD	< LOD	< LOD	< LOD
TKD40	9.84	2.45	< LOD	9.33	< LOD	9.17	< LOD	< LOD	< LOD	< LOD
TKD41	19.77	3.18	< LOD	10.14	< LOD	10.13	< LOD	< LOD	< LOD	< LOD
TKD8 (replicate)	7.05	2.36	< LOD	9.02	< LOD	9.48	< LOD	< LOD	< LOD	< LOD
TKD20 (replicate)	10.06	2.54	< LOD	9.21	< LOD	9.61	< LOD	< LOD	< LOD	< LOD
TKD26 (replicate)	9.78	2.52	< LOD	9.37	< LOD	9.52	< LOD	< LOD	< LOD	< LOD
TKD20 (replicate)	8.07	2.37	< LOD	8.3	< LOD	9.44	< LOD	< LOD	< LOD	< LOD
TKD29 (replicate)	17.04	2.86	< LOD	9.82	12.3	7.34	< LOD	< LOD	< LOD	< LOD
TKS1	16.53	3.21	< LOD	11.24	< LOD	11.11	< LOD	< LOD	< LOD	< LOD
TKS2	17.21	3.18	< LOD	9.93	< LOD	10.49	< LOD	< LOD	< LOD	< LOD
TKS3	23.37	5.09	< LOD	15.27	< LOD	17.83	< LOD	< LOD	< LOD	< LOD
TKS4	17.13	3.1	< LOD	10.98	< LOD	10.78	< LOD	< LOD	< LOD	< LOD
TKS5	16.13	2.94	< LOD	9.59	< LOD	10.27	< LOD	< LOD	< LOD	< LOD
TKS6	21.79	3.33	< LOD	10.64	< LOD	10.56	< LOD	< LOD	< LOD	< LOD
TKS7	20.97	3.26	< LOD	9.79	< LOD	10.35	< LOD	< LOD	< LOD	< LOD
TKS8	21.82	3.29	< LOD	9.71	11.41	7.35	< LOD	< LOD	< LOD	< LOD
TKS9	20.33	3.2	< LOD	9.87	< LOD	10.26	< LOD	< LOD	< LOD	< LOD
TKS10	12.51	2.71	< LOD	10.65	< LOD	10.17	< LOD	< LOD	< LOD	< LOD
TKS11	23.66	3.5	< LOD	11.06	< LOD	11.19	< LOD	< LOD	< LOD	< LOD
TKS12	24.3	3.45	< LOD	11.37	< LOD	10.28	< LOD	< LOD	< LOD	< LOD
TKS13	27.79	3.66	< LOD	11.29	15.83	8.02	< LOD	< LOD	< LOD	< LOD
TKS14	20.13	3.14	< LOD	9.81	< LOD	10.63	< LOD	< LOD	< LOD	< LOD
TKS15	18.16	3.17	< LOD	9.53	< LOD	10.16	< LOD	< LOD	< LOD	< LOD
TKS16	13.48	2.64	< LOD	8.02	< LOD	10.09	< LOD	< LOD	< LOD	< LOD
TKS17	11.7	2.59	< LOD	8.24	< LOD	9.82	< LOD	< LOD	< LOD	< LOD
TKS18	17.97	3.09	< LOD	10.46	< LOD	9.41	< LOD	< LOD	< LOD	< LOD
TKS19	18.32	3.07	< LOD	10.71	< LOD	11.01	< LOD	< LOD	< LOD	< LOD
TKS20	15.32	2.88	< LOD	8.8	< LOD	9.8	< LOD	< LOD	< LOD	< LOD

Survey site	Rb	Rb Error	Th	Th Error	Pb	Pb Error	Tl	Se	Bi	As
TKS21	15.64	2.9	< LOD	9.55	13.1	6.97	< LOD	< LOD	< LOD	< LOD
TKS22	16.56	2.89	< LOD	9.42	< LOD	10.12	< LOD	< LOD	< LOD	< LOD
TKS23	16.38	2.95	< LOD	9.86	10.81	7.16	< LOD	< LOD	< LOD	< LOD
TKS24	16.26	2.95	< LOD	9.36	< LOD	9.98	< LOD	< LOD	< LOD	< LOD
TKS25	18.02	3.09	< LOD	9.97	16.52	7.26	< LOD	< LOD	< LOD	< LOD
TKS26	22.08	3.2	< LOD	10.12	< LOD	10.38	< LOD	< LOD	< LOD	< LOD
TKS27	21.16	3.23	< LOD	10.01	< LOD	10.27	< LOD	< LOD	< LOD	< LOD
TKS28	16.54	2.98	< LOD	10.42	< LOD	9.67	< LOD	< LOD	< LOD	< LOD
TKS29	17.3	3.08	< LOD	10.85	13.66	7.56	< LOD	< LOD	< LOD	< LOD
TKS30	15.37	2.94	< LOD	10.15	< LOD	10.22	< LOD	< LOD	< LOD	< LOD
TKS31	18.89	3.05	< LOD	9.49	< LOD	9.06	< LOD	< LOD	< LOD	8.5
TKS32	31.3	3.78	< LOD	10.65	14.11	7.83	< LOD	< LOD	< LOD	< LOD
TKS33	29.95	3.82	< LOD	11.43	12.37	7.67	< LOD	< LOD	< LOD	< LOD
TKS34	22.26	3.36	< LOD	8.84	13.45	7.45	< LOD	< LOD	< LOD	< LOD
TKS35	28.93	3.68	< LOD	10.01	11.91	7.39	< LOD	< LOD	< LOD	< LOD
TKS36	23.03	3.43	< LOD	9.8	19.07	8.22	< LOD	< LOD	< LOD	< LOD
TKS37	27.19	3.51	< LOD	10.92	< LOD	10.47	< LOD	< LOD	< LOD	< LOD
TKS38	29.06	3.62	< LOD	10.03	< LOD	11.07	< LOD	< LOD	< LOD	< LOD
TKS39	29.18	3.79	< LOD	11.35	< LOD	11.59	< LOD	< LOD	< LOD	< LOD
TKS40	22.77	3.35	< LOD	11.04	< LOD	11.46	< LOD	< LOD	< LOD	< LOD
TKS41	22.01	3.48	< LOD	10.21	13.17	7.8	< LOD	< LOD	< LOD	< LOD
TKS32 (replicate)	29.06	3.8	< LOD	11.33	16.2	7.91	< LOD	< LOD	< LOD	< LOD
TKS32	55.4	5.31	< LOD	14.4	13.88	8.82	< LOD	< LOD	< LOD	< LOD
TKS30	47.13	4.88	13.71	8.89	14.73	9.17	< LOD	< LOD	< LOD	< LOD
TKS28	49.47	4.98	< LOD	13.44	21.79	9.26	< LOD	< LOD	< LOD	< LOD
TKS26	54.09	5.16	16.35	8.5	17.16	8.92	< LOD	< LOD	< LOD	< LOD
TKS24	45.35	4.85	< LOD	13.59	21.97	9.46	< LOD	< LOD	< LOD	< LOD
TKS22	46.65	4.86	< LOD	13.5	25.21	9.9	< LOD	< LOD	< LOD	< LOD
TKS20	44.44	4.78	16.84	8.44	15.13	8.72	< LOD	< LOD	< LOD	< LOD
TKS29 (replicate)	17.9	3.05	< LOD	10	< LOD	10.27	< LOD	< LOD	< LOD	< LOD
TKS20 (replicate)	13.39	2.83	< LOD	8.89	12.49	7.33	< LOD	< LOD	< LOD	< LOD
TKS12 (replicate)	24.01	3.41	< LOD	9.82	16.48	7.68	< LOD	< LOD	< LOD	< LOD
TKS26 (replicate)	26.11	3.68	< LOD	10.91	< LOD	10.32	< LOD	< LOD	< LOD	< LOD
TKS24 (replicate)	23.27	3.36	< LOD	10.39	< LOD	9.85	< LOD	< LOD	< LOD	< LOD

Survey site	Hg	Au	Au Error	Pt	Zn	Zn Error	W	Cu	Ni
TKD1	< LOD	< LOD	52.51	< LOD	< LOD	15.21	< LOD	< LOD	< LOD
TKD2	< LOD	< LOD	54.19	< LOD	< LOD	13.67	< LOD	< LOD	< LOD
TKD3	< LOD	< LOD	54.62	< LOD	< LOD	14.58	< LOD	< LOD	< LOD
TKD4	< LOD	< LOD	51.75	< LOD	< LOD	15.49	< LOD	< LOD	< LOD
TKD5	< LOD	< LOD	51.33	< LOD	< LOD	14.74	< LOD	< LOD	< LOD
TKD6	< LOD	< LOD	53.57	< LOD	< LOD	13.41	< LOD	< LOD	< LOD
TKD7	< LOD	< LOD	50.92	< LOD	< LOD	14.89	< LOD	< LOD	< LOD
TKD8	< LOD	< LOD	56.79	< LOD	< LOD	17.29	< LOD	< LOD	< LOD
TKD9	< LOD	< LOD	53.26	< LOD	< LOD	16.45	< LOD	< LOD	< LOD
TKD10	< LOD	< LOD	50.84	< LOD	< LOD	16.51	< LOD	< LOD	< LOD
TKD11	< LOD	< LOD	52.89	< LOD	< LOD	14.89	< LOD	< LOD	< LOD
TKD12	< LOD	< LOD	50.18	< LOD	< LOD	15.17	< LOD	< LOD	< LOD
TKD13	< LOD	< LOD	51.29	< LOD	< LOD	16.48	< LOD	< LOD	< LOD
TKD14	< LOD	< LOD	52.13	< LOD	< LOD	14.32	< LOD	< LOD	< LOD
TKD15	< LOD	< LOD	53.37	< LOD	< LOD	15.62	< LOD	< LOD	< LOD
TKD16	< LOD	< LOD	54.04	< LOD	< LOD	15.21	< LOD	< LOD	< LOD
TKD17	< LOD	< LOD	53.2	< LOD	< LOD	15.97	< LOD	< LOD	< LOD
TKD18	< LOD	< LOD	55.06	< LOD	< LOD	15.58	< LOD	< LOD	< LOD
TKD19	< LOD	< LOD	51.68	< LOD	< LOD	14.29	< LOD	< LOD	< LOD
TKD20	< LOD	< LOD	53.59	< LOD	< LOD	14.54	< LOD	< LOD	< LOD
TKD21	< LOD	< LOD	55.27	< LOD	< LOD	14.98	< LOD	< LOD	< LOD
TKD22	< LOD	< LOD	54.61	< LOD	< LOD	14.09	< LOD	< LOD	< LOD
TKD23	< LOD	< LOD	55.79	< LOD	< LOD	16.05	< LOD	< LOD	< LOD
TKD24	< LOD	< LOD	57.42	< LOD	< LOD	16.2	< LOD	< LOD	< LOD
TKD25	< LOD	< LOD	52.47	< LOD	< LOD	16.14	< LOD	< LOD	< LOD
TKD26	< LOD	< LOD	54.23	< LOD	< LOD	14.42	< LOD	< LOD	< LOD
TKD27	< LOD	< LOD	58.99	< LOD	< LOD	17.71	< LOD	< LOD	< LOD
TKD28	< LOD	< LOD	53.45	< LOD	< LOD	14.57	< LOD	< LOD	< LOD
TKD29	< LOD	< LOD	51.38	< LOD	< LOD	13.95	< LOD	< LOD	< LOD
TKD30	< LOD	< LOD	53.91	< LOD	< LOD	15.89	< LOD	< LOD	< LOD
TKD31	< LOD	< LOD	52.31	< LOD	< LOD	16	< LOD	< LOD	< LOD
TKD32	< LOD	< LOD	49.18	< LOD	< LOD	15.11	< LOD	< LOD	< LOD
TKD33	< LOD	< LOD	53.91	< LOD	< LOD	16.98	< LOD	< LOD	< LOD
TKD34	< LOD	< LOD	57.64	< LOD	< LOD	16.45	< LOD	< LOD	< LOD
TKD35	< LOD	< LOD	56.03	< LOD	< LOD	15.53	< LOD	< LOD	< LOD
TKD36	< LOD	< LOD	50.54	< LOD	< LOD	14.43	< LOD	< LOD	< LOD
TKD37	< LOD	< LOD	53.1	< LOD	< LOD	15	< LOD	< LOD	< LOD
TKD38	< LOD	< LOD	54.49	< LOD	< LOD	16.05	< LOD	< LOD	< LOD
TKD39	< LOD	< LOD	53.42	< LOD	< LOD	16.53	< LOD	< LOD	< LOD
TKD40	< LOD	< LOD	50.58	< LOD	25.24	12.02	< LOD	< LOD	< LOD
TKD41	< LOD	< LOD	54.08	< LOD	< LOD	16.57	< LOD	< LOD	< LOD
TKD8 (replicate)	< LOD	< LOD	52.26	< LOD	< LOD	14.73	< LOD	< LOD	< LOD
TKD20 (replicate)	< LOD	< LOD	51.55	< LOD	< LOD	15.06	< LOD	< LOD	< LOD
TKD26 (replicate)	< LOD	< LOD	54.23	< LOD	< LOD	15.07	< LOD	< LOD	< LOD
TKD20 (replicate)	< LOD	< LOD	51.56	< LOD	< LOD	13.59	< LOD	< LOD	< LOD
TKD29 (replicate)	< LOD	< LOD	54.45	< LOD	< LOD	16.21	< LOD	< LOD	< LOD
TKS1	< LOD	< LOD	59.58	< LOD	25.64	13.48	< LOD	< LOD	< LOD
TKS2	< LOD	< LOD	57.21	< LOD	< LOD	17.59	< LOD	< LOD	< LOD
TKS3	< LOD	< LOD	88.16	< LOD	< LOD	27.62	< LOD	< LOD	< LOD
TKS4	< LOD	< LOD	56.03	< LOD	28.45	13.36	< LOD	< LOD	< LOD
TKS5	< LOD	< LOD	53.05	< LOD	20.9	11.71	< LOD	< LOD	< LOD
TKS6	< LOD	< LOD	56.41	< LOD	24.05	12.59	< LOD	< LOD	< LOD
TKS7	< LOD	< LOD	55.52	< LOD	28.38	12.86	< LOD	< LOD	< LOD
TKS8	< LOD	< LOD	56.38	< LOD	20.52	12.5	< LOD	< LOD	< LOD
TKS9	< LOD	< LOD	55.81	< LOD	18.3	11.8	< LOD	< LOD	< LOD
TKS10	< LOD	< LOD	53.25	< LOD	< LOD	16.79	< LOD	< LOD	< LOD
TKS11	< LOD	< LOD	57.63	< LOD	33.68	13.57	< LOD	< LOD	< LOD
TKS12	< LOD	< LOD	57.18	< LOD	24.21	12.59	< LOD	< LOD	< LOD
TKS13	< LOD	< LOD	59.55	< LOD	33.81	13.76	< LOD	< LOD	< LOD
TKS14	< LOD	< LOD	56.67	< LOD	31.45	13.29	< LOD	< LOD	< LOD
TKS15	< LOD	< LOD	54.82	< LOD	27.84	12.86	< LOD	< LOD	< LOD
TKS16	< LOD	< LOD	54.64	< LOD	23.36	12.44	< LOD	< LOD	< LOD
TKS17	< LOD	< LOD	51.88	< LOD	< LOD	16.31	< LOD	< LOD	< LOD
TKS18	< LOD	< LOD	54.13	< LOD	30.86	12.84	< LOD	< LOD	< LOD
TKS19	< LOD	< LOD	56.9	< LOD	31.62	13.28	< LOD	< LOD	< LOD
TKS20	< LOD	< LOD	54.12	< LOD	19.85	11.73	< LOD	< LOD	< LOD

Survey site	Hg	Au	Au Error	Pt	Zn	Zn Error	W	Cu	Ni
TKS21	< LOD	< LOD	53.35	< LOD	24.55	12.18	< LOD	< LOD	< LOD
TKS22	< LOD	< LOD	53.29	< LOD	22.65	12.29	< LOD	< LOD	< LOD
TKS23	< LOD	< LOD	54.55	< LOD	28.17	12.74	< LOD	< LOD	< LOD
TKS24	< LOD	< LOD	54.29	< LOD	< LOD	16.35	< LOD	< LOD	< LOD
TKS25	< LOD	< LOD	57.1	< LOD	33.68	13.23	< LOD	< LOD	< LOD
TKS26	< LOD	< LOD	57.09	< LOD	26.23	12.78	< LOD	< LOD	< LOD
TKS27	< LOD	< LOD	54.59	< LOD	27.6	12.76	< LOD	< LOD	< LOD
TKS28	< LOD	< LOD	54.05	< LOD	18.02	11.57	< LOD	< LOD	< LOD
TKS29	< LOD	< LOD	56	< LOD	28.32	12.84	< LOD	< LOD	< LOD
TKS30	< LOD	< LOD	55.25	< LOD	< LOD	17.44	< LOD	< LOD	< LOD
TKS31	< LOD	< LOD	55.14	< LOD	< LOD	17.34	< LOD	< LOD	< LOD
TKS32	< LOD	< LOD	59.07	< LOD	27.61	13.43	< LOD	< LOD	< LOD
TKS33	< LOD	< LOD	58.61	< LOD	31.61	13.84	< LOD	< LOD	< LOD
TKS34	< LOD	< LOD	56.35	< LOD	< LOD	17.68	< LOD	< LOD	< LOD
TKS35	< LOD	< LOD	56.86	< LOD	20.9	12.5	< LOD	< LOD	< LOD
TKS36	< LOD	< LOD	56.07	< LOD	< LOD	17.38	< LOD	< LOD	< LOD
TKS37	< LOD	< LOD	58.73	< LOD	22.76	12.93	< LOD	< LOD	< LOD
TKS38	< LOD	< LOD	60.48	< LOD	< LOD	18.37	< LOD	< LOD	< LOD
TKS39	< LOD	< LOD	60.52	< LOD	33.5	14.39	< LOD	< LOD	< LOD
TKS40	< LOD	< LOD	55.6	< LOD	37.21	14.3	< LOD	< LOD	< LOD
TKS41	< LOD	< LOD	57.57	< LOD	37.28	14.07	< LOD	< LOD	< LOD
TKS32 (replicate)	< LOD	< LOD	57.64	< LOD	28.36	13.32	< LOD	< LOD	< LOD
TKS32	< LOD	< LOD	65.84	< LOD	43.94	16.37	< LOD	< LOD	< LOD
TKS30	< LOD	< LOD	64.45	< LOD	41.7	16.02	< LOD	< LOD	< LOD
TKS28	< LOD	< LOD	65.25	< LOD	44.6	16.19	< LOD	38.79	< LOD
TKS26	< LOD	< LOD	68.4	< LOD	46.45	16.26	< LOD	< LOD	< LOD
TKS24	< LOD	72.45	40	< LOD	42.63	14.89	< LOD	< LOD	< LOD
TKS22	< LOD	< LOD	67.07	< LOD	35.91	15.49	< LOD	< LOD	< LOD
TKS20	< LOD	< LOD	65.08	< LOD	46.15	16.02	< LOD	< LOD	< LOD
TKS29 (replicate)	< LOD	< LOD	55.65	< LOD	27.48	12.41	< LOD	< LOD	< LOD
TKS20 (replicate)	< LOD	< LOD	54.91	< LOD	20.97	11.86	< LOD	< LOD	< LOD
TKS12 (replicate)	< LOD	< LOD	57.01	< LOD	< LOD	17.28	< LOD	< LOD	< LOD
TKS26 (replicate)	< LOD	< LOD	59.53	< LOD	18.93	12.14	< LOD	< LOD	< LOD
TKS24 (replicate)	< LOD	< LOD	56.39	< LOD	< LOD	17.51	< LOD	< LOD	< LOD

Survey site	Co	Co Error	Fe	Fe Error	Mn	Mn Error	Cr	Cr Error
TKD1	< LOD	64.41	3001.19	160.41	< LOD	65.71	< LOD	36.03
TKD2	< LOD	57.91	2840.16	152.53	< LOD	59.45	< LOD	33.42
TKD3	< LOD	78.05	3927.08	187.17	< LOD	70.68	37.21	24.39
TKD4	< LOD	65.14	3156.81	164.68	< LOD	62.08	< LOD	35.95
TKD5	< LOD	80.89	4719.26	197.3	< LOD	57.87	< LOD	35.88
TKD6	< LOD	61.59	3079.4	159.98	< LOD	53.9	< LOD	35.26
TKD7	< LOD	62.86	3111.26	160.86	< LOD	53.1	< LOD	33.92
TKD8	< LOD	73.08	3977.31	182.42	< LOD	60.91	< LOD	33.15
TKD9	< LOD	71.19	4010.18	182.12	< LOD	64.16	43.24	25.06
TKD10	< LOD	79.58	4648.64	199	< LOD	63.54	< LOD	35.94
TKD11	< LOD	66.83	3181.36	160.55	< LOD	57.12	< LOD	35.66
TKD12	< LOD	61.29	2735.25	150.56	< LOD	55.36	< LOD	34.82
TKD13	< LOD	65.07	3097.56	161.66	< LOD	54.64	< LOD	34.98
TKD14	< LOD	61.98	2812.1	151.95	< LOD	65.54	< LOD	35.68
TKD15	< LOD	68.5	3701.48	175.57	< LOD	54.05	< LOD	35.57
TKD16	< LOD	82.02	5033.38	206.04	< LOD	63.47	53.03	25.48
TKD17	< LOD	68.16	3753.55	177.62	< LOD	68.67	< LOD	35.24
TKD18	< LOD	73.48	3796.93	177.86	< LOD	57.62	44.54	24.44
TKD19	< LOD	74.16	4110.43	186.34	< LOD	65.9	37.71	24.16
TKD20	< LOD	68.65	3760.69	178.21	< LOD	57.6	< LOD	35.64
TKD21	< LOD	80.18	4837.65	199.64	< LOD	63.41	< LOD	35.92
TKD22	< LOD	70.13	3348.99	170.24	< LOD	66.31	< LOD	35.23
TKD23	< LOD	99.53	6965.48	249.47	< LOD	73.1	< LOD	35.46
TKD24	< LOD	84.3	5551.37	218.46	< LOD	69.55	< LOD	34.66
TKD25	< LOD	82.24	4624.44	199.69	< LOD	66.85	< LOD	35.4
TKD26	< LOD	82.28	5113.71	205.14	< LOD	66.37	< LOD	36.88
TKD27	< LOD	85.39	5388.76	213.69	< LOD	73.9	< LOD	35.68
TKD28	< LOD	86.13	5704.49	219.57	< LOD	70.47	< LOD	33.92
TKD29	< LOD	75.98	3898.18	179.84	< LOD	63.64	38.7	24.24
TKD30	< LOD	100.88	7468.97	251.22	< LOD	66.81	< LOD	36.1
TKD31	< LOD	89.99	6056.24	222.02	< LOD	66.66	< LOD	35.68
TKD32	< LOD	79.24	4605.87	193.06	< LOD	60.26	37.47	24.45
TKD33	< LOD	94.23	5809.5	224.65	< LOD	60.74	46.12	24.81
TKD34	< LOD	90.48	5715.07	220.12	< LOD	73.82	47.6	25.05
TKD35	< LOD	97.2	6574.77	237.08	< LOD	74.39	< LOD	34.56
TKD36	< LOD	88.06	6167.76	228.07	< LOD	70.1	< LOD	35.99
TKD37	< LOD	78.7	5389.43	208.67	< LOD	66.92	< LOD	36.26
TKD38	< LOD	97.91	7308.73	248.03	< LOD	70.92	< LOD	36.69
TKD39	< LOD	98.6	7228.95	247.66	< LOD	73.7	40.96	24.58
TKD40	< LOD	85.87	5867.95	218.81	< LOD	67.63	41.17	24.68
TKD41	< LOD	111.73	9311.23	281.64	< LOD	73.55	39.98	25.26
TKD8 (replicate)	< LOD	73.35	3690.36	176.68	< LOD	66.35	< LOD	33.92
TKD20 (replicate)	< LOD	89.95	6097.2	226.96	< LOD	75.23	58.69	25.76
TKD26 (replicate)	< LOD	92.52	6257.34	230.24	< LOD	57.57	43.19	25.19
TKD20 (replicate)	< LOD	70.85	3699.34	174.74	< LOD	61.5	< LOD	36.24
TKD29 (replicate)	< LOD	106.61	8204.6	264.78	< LOD	65.61	< LOD	37.51
TKS1	< LOD	113.17	8392.02	278.13	< LOD	79.4	< LOD	37.36
TKS2	< LOD	109.89	8269.45	270.53	173.42	65.03	41.02	26.37
TKS3	< LOD	175.17	9745.23	436.27	191.1	100.29	47.79	26.59
TKS4	< LOD	108.19	8607.6	275.72	< LOD	84.17	< LOD	35.73
TKS5	< LOD	104.48	8124.06	263.57	< LOD	78.74	46.23	25.47
TKS6	< LOD	117.66	10135.22	294.73	< LOD	82.8	< LOD	37.13
TKS7	< LOD	122.22	10934.04	304.53	125.66	60.52	49.29	25.61
TKS8	< LOD	124.63	11042.04	306.42	86	56.21	52.18	25.46
TKS9	< LOD	119.48	10954.24	303	< LOD	81.25	61.65	25.98
TKS10	< LOD	90.55	6342.53	228.05	< LOD	73.59	< LOD	34.98
TKS11	< LOD	138.39	13863.99	344.11	143.61	64.42	73.53	26.81
TKS12	< LOD	136.95	13678.08	339.51	109.6	62.18	45.54	24.84
TKS13	< LOD	151.62	16347.66	379.32	234.42	75.68	89.33	27.67
TKS14	< LOD	119.31	10481.89	296.68	115.11	59.84	38.52	25.49
TKS15	126.84	73.41	7852.77	258.39	< LOD	79.14	< LOD	36.37
TKS16	< LOD	90.78	6023.02	223.35	79.7	51.24	< LOD	36.19
TKS17	< LOD	91.65	6038.37	225.58	< LOD	70.24	60.52	25.59
TKS18	< LOD	118.79	10564	297.37	127.09	60.45	70.91	26.37
TKS19	< LOD	116.2	10091.8	291.22	104.91	58.77	45.79	25.15
TKS20	< LOD	104.56	8156.1	258.78	< LOD	66.33	61.59	25.59

Survey site	Co	Co Error	Fe	Fe Error	Mn	Mn Error	Cr	Cr Error
TKS21	< LOD	104.24	8156.6	261.84	< LOD	80.45	41.28	24.74
TKS22	< LOD	107.24	8798.31	273.36	116.86	58.74	43.46	24.64
TKS23	< LOD	109.93	8875.92	273.67	86.09	56.08	44.85	24.7
TKS24	< LOD	112.67	9387.97	279.48	106.73	57.21	54.17	25.16
TKS25	< LOD	117.09	10377.4	294.76	182.36	66.94	44.18	24.64
TKS26	< LOD	131.96	12899.21	329.23	179.68	66.47	66.17	26.33
TKS27	< LOD	121.78	11731.38	316.54	203.81	70.87	42.76	24.48
TKS28	< LOD	115.47	9970.17	289.14	95.17	56.49	62.73	25.6
TKS29	< LOD	116.38	9560.74	286.01	< LOD	78.28	< LOD	35.93
TKS30	< LOD	101.24	7942.8	260.56	< LOD	78.4	49.79	25.1
TKS31	< LOD	114.55	9532.93	282.35	100.56	56.26	44.9	24.99
TKS32	< LOD	160.82	18994.52	409.97	179.04	72.52	88.32	27.06
TKS33	< LOD	170.61	20001.47	425.79	200.8	75.33	83.46	26.24
TKS34	171.49	94.38	13663.42	342.54	120.88	62.98	50.56	24.82
TKS35	183.45	100.99	15663.82	370.41	169.72	69.3	85.45	27.01
TKS36	< LOD	141.66	14277.08	354.33	103.08	61.35	56.68	25.22
TKS37	< LOD	139.29	14519.7	351.06	107.75	61.92	87.22	27.11
TKS38	< LOD	146.17	15381.69	362.77	162.33	67.45	75	26.43
TKS39	< LOD	149.07	15488.42	379.22	< LOD	96.08	61.2	25.89
TKS40	< LOD	132.32	12458.5	333.93	155.64	67.54	54.75	26.87
TKS41	< LOD	128.78	11571.14	325.3	118.36	63.7	38.51	25.51
TKS32 (replicate)	171.27	113.55	19638.21	421.07	127.42	67.2	91.64	26.98
TKS32	260.96	162.81	36587.19	608.86	377.11	104.24	135.02	27.89
TKS30	< LOD	184.71	21458.99	463.49	144.57	75.88	92.82	27.39
TKS28	< LOD	197.35	24598.17	492.1	258.45	88.01	107.64	28.14
TKS26	283.5	146.51	29303.17	538.85	397.89	99.23	111.25	27.83
TKS24	202.37	133.05	24742.46	494.13	234.75	83.18	111.47	28.03
TKS22	254.51	126.63	21098.7	459.5	171.35	76.58	100.48	27.19
TKS20	< LOD	193.67	23329.63	480.36	212.04	82.47	111.23	28.1
TKS29 (replicate)	< LOD	112.46	9648.98	284.69	105.47	55.84	50.99	25.46
TKS20 (replicate)	< LOD	101.31	7853.58	255.95	< LOD	80.92	44.51	24.83
TKS12 (replicate)	< LOD	136.92	13264.33	334.53	158.04	65.16	55.04	25.47
TKS26 (replicate)	< LOD	149.83	16287.04	380.57	198.55	73.31	96.72	27.39
TKS24 (replicate)	< LOD	124.21	11914.59	315.22	116.57	60.63	74.56	26.21

Survey site	V	V Error	Ti	Ti Error	Sc	Ca	Ca Error	K	K Error
TKD1	< LOD	79	470.05	113.88	< LOD	0.01	310.25	< LOD	567.1
TKD2	< LOD	77.17	447.45	110.94	< LOD	0.01	316.83	817.25	415.94
TKD3	< LOD	97.04	1428.29	159.54	< LOD	0.01	320.43	< LOD	580.98
TKD4	< LOD	78.67	569.25	118.68	< LOD	0.01	349.2	< LOD	574.26
TKD5	< LOD	96.92	1531.46	160.71	< LOD	0.01	387.93	1233.25	463.74
TKD6	< LOD	79.82	765.77	122.73	< LOD	0.01	340.35	1029.08	438.67
TKD7	< LOD	83.86	719.59	123.99	< LOD	0.01	320.47	713.3	406.79
TKD8	< LOD	77.87	1085.86	132.55	< LOD	0.01	322.31	826.52	421.72
TKD9	< LOD	82.08	990.63	135.07	< LOD	0.01	347.57	928.31	441.32
TKD10	< LOD	91.8	1128.16	146.03	< LOD	0.01	325.46	1569.75	487.33
TKD11	< LOD	83.5	709.81	124.29	< LOD	0.01	375.52	649.95	404.46
TKD12	< LOD	74.23	519.03	108.8	< LOD	0.01	345.61	< LOD	590.87
TKD13	< LOD	80.57	562.44	116.29	< LOD	0.01	319.96	< LOD	553.89
TKD14	< LOD	68.74	424.77	102.1	< LOD	0.01	351.03	< LOD	580.54
TKD15	< LOD	82.47	599.97	127.58	< LOD	768.13	271.78	< LOD	584.82
TKD16	< LOD	99.37	1412.89	167.48	< LOD	0	357.53	1648.06	493.84
TKD17	< LOD	85.62	1093.29	149.38	< LOD	0	382.57	1055.56	445.26
TKD18	< LOD	70.66	532.93	104.28	< LOD	0	341.78	949.39	431.15
TKD19	< LOD	78.48	743.44	128.07	< LOD	0	385.4	1580.35	485.74
TKD20	< LOD	78.36	498.66	119.49	< LOD	0	351.36	919.64	427.61
TKD21	< LOD	84.61	784.12	134.88	< LOD	0	381.58	1339.76	470.27
TKD22	< LOD	73.66	441.34	110.02	< LOD	0	341.61	793.55	417.5
TKD23	< LOD	111.58	1864.11	192.99	< LOD	0	340.24	2002.47	522.74
TKD24	< LOD	90.74	1255.26	154.24	< LOD	0	373.6	1757.83	502.13
TKD25	< LOD	90.59	800.37	141.92	< LOD	0	343.33	866.23	428.02
TKD26	< LOD	92.58	742.08	145.2	< LOD	0	375.63	1616.58	497.46
TKD27	< LOD	90.42	766.91	143.42	< LOD	0	376.41	1346.89	473.89
TKD28	< LOD	94.75	1269.83	155.64	< LOD	0	359.9	1760.64	499.47
TKD29	< LOD	72.9	462.24	110.92	< LOD	3133.7	384.7	1058.53	451.59
TKD30	< LOD	98.46	1104.8	160.05	< LOD	888.9	298.09	2639.37	574.57
TKD31	< LOD	94.56	774.46	151.96	< LOD	937.79	296.4	1775.82	508.43
TKD32	< LOD	82.3	737.25	122.9	< LOD	0	333.94	1587.35	486.29
TKD33	< LOD	95.38	542.09	136.31	< LOD	0	382.2	1639.71	493.24
TKD34	< LOD	87.91	730.73	135.08	< LOD	0	383.18	1190.66	462.83
TKD35	< LOD	99.27	902.42	150.99	< LOD	443.79	268.74	1863.81	513.37
TKD36	< LOD	100.86	991.39	154.72	< LOD	406.55	267.94	1556.03	492.51
TKD37	< LOD	90.34	675.8	138.3	< LOD	1044.9	301.29	1935.83	517.4
TKD38	< LOD	100.02	1451.3	167.15	< LOD	0	374.26	2177.05	546.11
TKD39	< LOD	93.42	1164.88	155.27	< LOD	0	361.6	1984.24	521.51
TKD40	92.25	60.54	718.73	131.26	< LOD	401.63	263.05	1567.74	488.58
TKD41	135.02	66.46	1143.99	152.5	< LOD	10444.06	623.62	2363.52	580.56
TKD8 (replicate)	< LOD	81.44	752.97	122.34	< LOD	< LOD	314.76	753.87	410.36
TKD20 (replicate)	< LOD	95.5	1150.32	151.9	< LOD	< LOD	366.64	1281.03	467.61
TKD26 (replicate)	< LOD	103.81	1318.47	165.74	< LOD	< LOD	349.11	1592.14	492.01
TKD20 (replicate)	< LOD	79.12	656.71	127.66	< LOD	646.52	267.97	1025.23	441.43
TKD29 (replicate)	< LOD	96.76	1335.65	157.15	< LOD	5935.6	498.78	2464.18	579.23
TKS1	< LOD	96.19	852.11	154.63	< LOD	42774.84	1184.76	2689.91	658.7
TKS2	< LOD	95.56	1015.35	163.67	< LOD	44955.4	1212.95	3061.77	690.71
TKS3	< LOD	99.57	1050.76	160.86	< LOD	32806.46	1050.61	2488.76	644.7
TKS4	< LOD	92.37	985.52	151.77	< LOD	29809.32	989.81	2580.47	627.61
TKS5	< LOD	88.12	775.88	139.89	< LOD	8631.03	574.04	2655.28	595.27
TKS6	106.55	70.92	1018.02	161.16	< LOD	4624.29	459.06	3367.28	636.56
TKS7	< LOD	101.02	1028.34	156.1	< LOD	1166.73	322.11	2444.53	574.31
TKS8	< LOD	105.03	1124.12	164.74	< LOD	2505.79	380.53	2730.48	594.67
TKS9	< LOD	103.49	1226.65	168.34	< LOD	0	419.47	2548.45	577.01
TKS10	< LOD	93.48	769.5	147.42	< LOD	4826.9	454.98	1818.38	522.81
TKS11	< LOD	110	1263.76	173.63	< LOD	2170.83	377.38	3418	646.63
TKS12	< LOD	111.01	1296.14	178.64	< LOD	1107.81	313.26	2790.15	593.83
TKS13	< LOD	120.87	1521.92	193.92	< LOD	1382.51	347.54	3659.47	669.18
TKS14	< LOD	100.26	768.17	154.16	< LOD	18037.39	798.64	3269.86	660.57
TKS15	< LOD	87.46	955.58	144.52	< LOD	26037.7	930.52	2862.78	637.32
TKS16	< LOD	85.01	797.65	136.41	< LOD	2431.07	362.19	1790.41	510.28
TKS17	< LOD	85.81	669.3	126.95	< LOD	2114.76	351.3	2139.09	538.08
TKS18	< LOD	104.34	1380.13	173.28	< LOD	1680.89	344.88	2796.24	594.92
TKS19	< LOD	102.59	959.76	155.35	< LOD	5624.68	488.36	2816.43	600.58
TKS20	< LOD	92.58	1165.65	148.81	< LOD	2901.46	389.12	2809.27	590.29

Survey site	V	V Error	Ti	Ti Error	Sc	Ca	Ca Error	K	K Error
TKS21	< LOD	98.2	1057.88	154.45	< LOD	0	376.43	2094.01	533.48
TKS22	< LOD	93.52	786.98	148.35	< LOD	0	399	2753.44	582.46
TKS23	< LOD	90.59	985.77	146.65	< LOD	0	403.9	2315.43	555.72
TKS24	< LOD	98.56	1119.27	159.12	< LOD	0	389.04	2298.78	552.5
TKS25	< LOD	99.63	1122.68	159.08	< LOD	0	394.76	2288.21	553.28
TKS26	< LOD	110.58	1230.18	177.3	< LOD	0	412.81	2914.29	606.86
TKS27	< LOD	104.3	1330.38	175.91	< LOD	0	391.57	2531.57	573.24
TKS28	< LOD	100.14	1522.9	169.17	< LOD	537.42	282.04	2304.52	556.46
TKS29	< LOD	102.4	864.12	156.13	< LOD	6368.38	509.02	2554.48	584.31
TKS30	< LOD	96.51	901.33	154.78	< LOD	0	378.05	1704.99	506.21
TKS31	< LOD	103.42	1229.5	165.31	< LOD	0	361.49	2041.45	533.29
TKS32	< LOD	122.07	2013.36	203.88	< LOD	0	399.03	2897.88	617.02
TKS33	< LOD	119.06	1885.28	199.42	< LOD	0	417.25	3269.32	628.53
TKS34	< LOD	103.85	1449.42	171.77	< LOD	742.88	297.98	3116.64	615.84
TKS35	< LOD	114.73	1248.87	178.16	< LOD	687.84	297.63	2729.35	595.69
TKS36	119.68	74.29	1515.12	177.08	< LOD	488.54	284.27	3152.51	618.51
TKS37	< LOD	110.77	1370.14	180.45	< LOD	621.32	294.94	2738.18	591.24
TKS38	< LOD	113.33	1479.27	183.89	< LOD	1163.94	325.74	3505.37	647.61
TKS39	< LOD	118.02	1445.68	190.45	< LOD	14826.07	734.9	3458.18	664.84
TKS40	< LOD	108.6	1034.07	171.53	< LOD	29609.42	1007.3	3437.96	695.7
TKS41	< LOD	104.47	1051.21	166.86	< LOD	28782	987.7	3058.62	663.84
TKS32 (replicate)	126.36	77.98	1812.91	191.92	< LOD	< LOD	423.74	3103.77	622.29
TKS32	139.95	89.88	2356.9	226.59	< LOD	< LOD	423.45	3494.85	646.9
TKS30	< LOD	128.43	2237.13	215.1	< LOD	621.89	304.24	3564.23	660.89
TKS28	< LOD	140.45	2878.43	238.4	< LOD	1113.65	338.27	4792.64	736.05
TKS26	151.71	90.47	2451.19	227	< LOD	621.47	308.02	4015.83	692.98
TKS24	< LOD	137.91	2274.98	228.86	< LOD	1038.06	328.87	4598.33	723.72
TKS22	130.62	81.68	1891.08	199.48	< LOD	1405.23	332.34	3153.55	625.22
TKS20	152.26	85.59	1926.79	207.69	< LOD	8934.64	606.76	4208.86	709.63
TKS29 (replicate)	< LOD	95.03	965	147.49	< LOD	4961.59	467.62	1997.23	545.55
TKS20 (replicate)	< LOD	86.51	860.56	141.42	< LOD	4202.92	436.73	2493.14	570.68
TKS12 (replicate)	< LOD	107.41	1190.88	171.41	< LOD	1081.53	318.44	2922.46	607.57
TKS26 (replicate)	< LOD	121	1890.99	203.12	< LOD	< LOD	416.77	2998.09	615.38
TKS24 (replicate)	< LOD	100.49	1335.42	168.38	< LOD	422.71	278.64	2623.24	580.87

Survey site	Cl	S	P	Ba	Ba Error	Cs	Cs Error	Te	Te Error
TKD1	< LOD	< LOD	< LOD	180.21	45.62	37.19	14.87	< LOD	78.77
TKD2	6590.42	< LOD	< LOD	232.91	47.57	61.71	15.53	100.3	54.73
TKD3	< LOD	< LOD	< LOD	136.24	45.78	38.45	15.11	< LOD	80.39
TKD4	< LOD	< LOD	< LOD	170.5	45.53	36.77	14.87	< LOD	79.2
TKD5	< LOD	< LOD	< LOD	247.77	46.97	47.92	15.13	85.99	53.55
TKD6	< LOD	< LOD	< LOD	152.42	45.09	38.18	14.82	< LOD	78.81
TKD7	< LOD	< LOD	< LOD	229.87	47.22	52.33	15.33	< LOD	80.76
TKD8	< LOD	< LOD	< LOD	235.09	47.74	63.25	15.56	109.56	55
TKD9	< LOD	< LOD	< LOD	175.05	46.69	57.07	15.41	82.76	54.2
TKD10	< LOD	< LOD	< LOD	234.77	47.92	70.98	15.69	107.58	55.19
TKD11	< LOD	< LOD	< LOD	171.31	46.19	65.53	15.33	< LOD	80.35
TKD12	< LOD	< LOD	< LOD	166.98	45.75	43.75	15.02	< LOD	79.35
TKD13	< LOD	< LOD	< LOD	199.97	46.42	47.61	15.13	< LOD	80.14
TKD14	< LOD	< LOD	< LOD	192.81	46.12	43.57	15.04	109.83	53.76
TKD15	7042.07	< LOD	< LOD	120.32	44.88	34.63	14.85	< LOD	78.21
TKD16	< LOD	< LOD	< LOD	198.92	47.21	63.25	15.55	153.01	55.61
TKD17	< LOD	< LOD	< LOD	156.74	45.01	42.54	14.8	< LOD	77.37
TKD18	< LOD	< LOD	< LOD	174.81	46.2	54.58	15.22	< LOD	80.38
TKD19	< LOD	< LOD	< LOD	249.49	48.05	83.47	15.78	126.61	55.46
TKD20	< LOD	< LOD	< LOD	182.83	46.22	57.47	15.23	140.36	54.52
TKD21	< LOD	< LOD	< LOD	165.6	47.8	57.97	15.85	104.64	56.01
TKD22	6961.61	< LOD	< LOD	211.73	47.2	58.95	15.45	120.28	54.9
TKD23	< LOD	< LOD	< LOD	226.66	49.14	71.38	16.14	111.66	56.75
TKD24	< LOD	< LOD	< LOD	186.41	46.91	58.82	15.46	93.76	54.48
TKD25	< LOD	< LOD	< LOD	226.82	46.72	47.67	15.13	< LOD	79.62
TKD26	< LOD	< LOD	< LOD	157.14	46.11	40.28	15.16	95.02	53.98
TKD27	< LOD	< LOD	< LOD	124.25	44.83	27	14.74	< LOD	77.1
TKD28	< LOD	< LOD	< LOD	219.14	47.65	59.48	15.57	115.22	55.23
TKD29	< LOD	< LOD	< LOD	198.07	47.41	53.38	15.54	110.19	55.21
TKD30	< LOD	< LOD	< LOD	208.3	47.38	56.18	15.5	< LOD	81.5
TKD31	< LOD	< LOD	< LOD	205.17	46.65	46.51	15.19	93.47	53.93
TKD32	< LOD	< LOD	< LOD	184.34	46.43	59.24	15.31	90.76	53.95
TKD33	< LOD	< LOD	< LOD	203.55	46.88	57.45	15.36	< LOD	80.41
TKD34	< LOD	< LOD	< LOD	237.14	48.3	60.39	15.72	121.35	55.81
TKD35	< LOD	< LOD	< LOD	208.11	47.71	58.81	15.65	117.97	55.5
TKD36	< LOD	< LOD	< LOD	218.21	46.96	45.84	15.23	< LOD	80.53
TKD37	< LOD	< LOD	< LOD	229.3	47.69	56.53	15.53	126.46	55.35
TKD38	< LOD	< LOD	< LOD	236.43	47.3	48.86	15.29	< LOD	80.33
TKD39	< LOD	< LOD	< LOD	260.81	48.6	56.57	15.68	94.63	55.36
TKD40	< LOD	< LOD	< LOD	211.88	46.72	50.85	15.22	< LOD	80.48
TKD41	< LOD	< LOD	< LOD	252.68	48.82	64.88	15.87	99.7	55.82
TKD8 (replicate)	< LOD	< LOD	< LOD	150.78	46.05	48.55	15.23	< LOD	80.29
TKD20 (replicate)	< LOD	< LOD	< LOD	179.51	46.11	45.22	15.1	< LOD	79.9
TKD26 (replicate)	< LOD	< LOD	< LOD	197.91	47.4	52.69	15.52	121.35	55.33
TKD20 (replicate)	< LOD	< LOD	< LOD	157.47	45.73	34.15	14.99	100.41	53.66
TKD29 (replicate)	< LOD	< LOD	< LOD	204.22	47.03	51.95	15.35	< LOD	80.78
TKS1	< LOD	< LOD	< LOD	184.39	49.63	38.1	16.19	< LOD	84.47
TKS2	< LOD	< LOD	< LOD	195.51	49.09	40.43	15.99	< LOD	84.6
TKS3	< LOD	< LOD	< LOD	154.43	63.23	39	20.8	< LOD	109.11
TKS4	< LOD	< LOD	< LOD	171.43	48.28	30.35	15.73	< LOD	83.13
TKS5	< LOD	< LOD	< LOD	216.91	48.57	50.32	15.82	140.71	56.74
TKS6	< LOD	< LOD	< LOD	174.31	47.1	43.16	15.42	< LOD	81.55
TKS7	< LOD	< LOD	< LOD	260.47	48.53	50.83	15.62	89.79	55.22
TKS8	< LOD	< LOD	< LOD	191.4	47.99	56.41	15.77	< LOD	82.66
TKS9	< LOD	< LOD	< LOD	118.1	46.43	36.33	15.4	< LOD	81.71
TKS10	< LOD	< LOD	< LOD	254.47	48.25	56.93	15.59	< LOD	82.04
TKS11	< LOD	< LOD	< LOD	224.95	47.81	52.4	15.55	< LOD	82.11
TKS12	< LOD	< LOD	< LOD	234.38	49.43	59.11	16.1	108.24	56.94
TKS13	< LOD	< LOD	< LOD	231.79	48.11	44.27	15.54	< LOD	82.22
TKS14	< LOD	< LOD	< LOD	188.84	47.4	30.07	15.37	< LOD	81.48
TKS15	< LOD	< LOD	< LOD	168.56	46.58	32.26	15.2	< LOD	80.24
TKS16	< LOD	< LOD	< LOD	229.02	47.89	58.15	15.6	< LOD	82.03
TKS17	< LOD	< LOD	< LOD	218.83	46.85	45.38	15.18	< LOD	79.61
TKS18	< LOD	< LOD	< LOD	162.48	46.17	34.85	15.1	< LOD	79.93
TKS19	< LOD	< LOD	< LOD	210	47.88	55.91	15.65	< LOD	82.1
TKS20	< LOD	< LOD	< LOD	215.07	47.18	61.95	15.45	88.72	54.34

Survey site	Cl	S	P	Ba	Ba Error	Cs	Cs Error	Te	Te Error
TKS21	< LOD	< LOD	< LOD	238.02	48.08	57.54	15.63	111.51	55.39
TKS22	< LOD	< LOD	< LOD	196.65	47.41	47.13	15.49	91.72	54.86
TKS23	< LOD	< LOD	< LOD	232.66	48.57	54.97	15.8	135.51	56.45
TKS24	< LOD	< LOD	< LOD	188.74	47.16	35.12	15.33	< LOD	81.59
TKS25	< LOD	< LOD	< LOD	205.83	47.13	39.21	15.29	99.15	54.54
TKS26	< LOD	< LOD	< LOD	166.6	47.08	46.66	15.49	< LOD	81.77
TKS27	< LOD	< LOD	< LOD	152	46.07	46.24	15.21	< LOD	80.03
TKS28	< LOD	< LOD	< LOD	169.63	46.33	47.65	15.23	< LOD	79.69
TKS29	< LOD	< LOD	< LOD	233.41	47.99	50.87	15.56	112.82	55.37
TKS30	< LOD	< LOD	< LOD	195.99	46.79	51.44	15.31	< LOD	80.66
TKS31	< LOD	< LOD	< LOD	243.88	48.19	53.37	15.6	94.51	55.15
TKS32	< LOD	< LOD	< LOD	254.11	50.36	66.17	16.38	140.88	58.26
TKS33	< LOD	< LOD	< LOD	218.39	48.9	60.78	15.99	< LOD	83.14
TKS34	< LOD	< LOD	< LOD	168.05	47.18	28.58	15.36	< LOD	81.5
TKS35	< LOD	< LOD	< LOD	219.77	48.2	42.59	15.6	< LOD	82.53
TKS36	< LOD	< LOD	< LOD	268.38	49.7	58.17	16.04	< LOD	84.5
TKS37	< LOD	< LOD	< LOD	215.07	48.12	53.52	15.7	< LOD	82.93
TKS38	< LOD	< LOD	< LOD	263.48	49.49	69.04	16.09	146.14	57.22
TKS39	< LOD	< LOD	< LOD	216.28	48.96	34.33	15.8	< LOD	83.39
TKS40	< LOD	< LOD	< LOD	282.24	51.02	64.08	16.47	< LOD	86.08
TKS41	< LOD	< LOD	< LOD	251.3	50.45	57.56	16.36	110.66	57.89
TKS32 (replicate)	< LOD	< LOD	< LOD	230.32	49.01	49.58	15.9	< LOD	83.38
TKS32	< LOD	< LOD	< LOD	218.27	51.14	< LOD	24.59	< LOD	86.08
TKS30	< LOD	< LOD	< LOD	193.74	50.6	26.75	16.37	< LOD	86.29
TKS28	< LOD	< LOD	< LOD	174.43	49.31	< LOD	23.93	< LOD	83.35
TKS26	< LOD	< LOD	< LOD	197.15	50.21	28.5	16.25	< LOD	85.28
TKS24	< LOD	< LOD	< LOD	216.78	49.69	< LOD	23.88	< LOD	83.3
TKS22	< LOD	< LOD	< LOD	218.16	51.24	37.45	16.58	< LOD	87.21
TKS20	< LOD	< LOD	< LOD	183.92	49.1	< LOD	23.74	< LOD	82.84
TKS29 (replicate)	< LOD	< LOD	< LOD	215.71	47.99	40.05	15.54	< LOD	82.4
TKS20 (replicate)	< LOD	< LOD	< LOD	178.62	46.01	42.93	15.04	< LOD	79.12
TKS12 (replicate)	< LOD	< LOD	< LOD	188.05	47.44	31.88	15.4	88.17	54.97
TKS26 (replicate)	< LOD	< LOD	< LOD	170.47	47.2	35.1	15.42	< LOD	82.05
TKS24 (replicate)	< LOD	< LOD	< LOD	98.58	45.05	< LOD	22.3	< LOD	78.4

Survey site	Sb	Sb Error	Sn	Sn Error	Cd	Ag	Pd
TKD1	< LOD	30.02	< LOD	25.84	< LOD	< LOD	< LOD
TKD2	48.5	21.18	39.48	18.04	< LOD	< LOD	< LOD
TKD3	< LOD	30.26	< LOD	26.13	< LOD	< LOD	< LOD
TKD4	< LOD	29.79	< LOD	25.69	< LOD	< LOD	< LOD
TKD5	< LOD	30.32	< LOD	25.51	< LOD	< LOD	< LOD
TKD6	< LOD	29.95	< LOD	25.44	< LOD	< LOD	< LOD
TKD7	33.01	20.71	29.21	17.74	< LOD	< LOD	< LOD
TKD8	< LOD	30.98	< LOD	26.03	< LOD	< LOD	< LOD
TKD9	< LOD	30.58	< LOD	26.32	< LOD	< LOD	< LOD
TKD10	< LOD	31.32	28.72	17.97	< LOD	< LOD	< LOD
TKD11	< LOD	30.5	28.23	17.58	< LOD	< LOD	< LOD
TKD12	< LOD	30.1	< LOD	25.76	< LOD	< LOD	< LOD
TKD13	< LOD	30.04	< LOD	25.9	< LOD	< LOD	< LOD
TKD14	< LOD	30.07	< LOD	25.7	< LOD	< LOD	< LOD
TKD15	< LOD	29.87	< LOD	25.44	< LOD	< LOD	< LOD
TKD16	< LOD	31.07	34.32	17.99	< LOD	< LOD	< LOD
TKD17	< LOD	29.65	< LOD	25.26	< LOD	< LOD	< LOD
TKD18	< LOD	30.09	< LOD	26.24	< LOD	< LOD	< LOD
TKD19	< LOD	31.19	31.56	18.02	< LOD	< LOD	< LOD
TKD20	< LOD	30.23	< LOD	26.05	< LOD	< LOD	< LOD
TKD21	< LOD	31.65	28.47	18.22	< LOD	< LOD	< LOD
TKD22	< LOD	30.84	< LOD	26.52	< LOD	< LOD	< LOD
TKD23	38.35	21.63	37.17	18.6	< LOD	< LOD	< LOD
TKD24	< LOD	30.67	< LOD	26.22	< LOD	< LOD	< LOD
TKD25	< LOD	30.4	< LOD	26.03	< LOD	< LOD	< LOD
TKD26	< LOD	30.19	< LOD	26.26	< LOD	< LOD	< LOD
TKD27	< LOD	29.49	< LOD	25.23	< LOD	< LOD	< LOD
TKD28	< LOD	30.97	27.13	17.87	< LOD	< LOD	< LOD
TKD29	< LOD	31.16	< LOD	26.76	< LOD	< LOD	< LOD
TKD30	< LOD	30.85	28.19	17.82	< LOD	< LOD	< LOD
TKD31	< LOD	30.51	< LOD	26.31	< LOD	< LOD	< LOD
TKD32	< LOD	30.5	< LOD	25.98	< LOD	< LOD	< LOD
TKD33	34.01	20.63	< LOD	26.2	< LOD	< LOD	< LOD
TKD34	< LOD	31.2	< LOD	26.68	< LOD	< LOD	< LOD
TKD35	35.14	21.06	< LOD	26.55	< LOD	< LOD	< LOD
TKD36	< LOD	30.4	< LOD	26.21	< LOD	< LOD	< LOD
TKD37	32.55	20.93	28.06	17.9	< LOD	< LOD	< LOD
TKD38	< LOD	30.62	< LOD	26.09	< LOD	< LOD	< LOD
TKD39	< LOD	31.23	< LOD	26.93	< LOD	< LOD	< LOD
TKD40	< LOD	30.37	< LOD	25.66	< LOD	< LOD	< LOD
TKD41	< LOD	31.81	33.22	18.3	< LOD	< LOD	< LOD
TKD8 (replicate)	< LOD	30.54	26.66	17.6	< LOD	< LOD	< LOD
TKD20 (replicate)	< LOD	30.22	< LOD	25.89	< LOD	< LOD	< LOD
TKD26 (replicate)	< LOD	31.02	30.75	17.97	< LOD	< LOD	< LOD
TKD20 (replicate)	< LOD	30.32	40.05	17.69	< LOD	< LOD	< LOD
TKD29 (replicate)	< LOD	29.95	26.81	17.68	< LOD	< LOD	< LOD
TKS1	< LOD	32.11	< LOD	27.47	< LOD	< LOD	< LOD
TKS2	< LOD	31.68	< LOD	27.45	< LOD	< LOD	< LOD
TKS3	< LOD	41.71	< LOD	35.51	< LOD	< LOD	< LOD
TKS4	< LOD	31.27	< LOD	26.65	< LOD	< LOD	< LOD
TKS5	< LOD	31.56	< LOD	27.33	< LOD	< LOD	< LOD
TKS6	< LOD	30.15	< LOD	26.74	< LOD	< LOD	< LOD
TKS7	< LOD	31.03	36.87	18.22	< LOD	< LOD	< LOD
TKS8	< LOD	31.52	29.65	18.2	< LOD	< LOD	< LOD
TKS9	< LOD	30.51	< LOD	26.58	< LOD	< LOD	< LOD
TKS10	< LOD	30.96	< LOD	26.66	< LOD	< LOD	< LOD
TKS11	32.98	21	< LOD	26.4	< LOD	< LOD	< LOD
TKS12	< LOD	32.28	< LOD	27.3	< LOD	< LOD	< LOD
TKS13	< LOD	30.97	< LOD	26.49	< LOD	< LOD	< LOD
TKS14	< LOD	30.92	< LOD	26.41	< LOD	< LOD	< LOD
TKS15	< LOD	30.58	< LOD	25.9	< LOD	< LOD	< LOD
TKS16	< LOD	31.1	27.66	17.96	< LOD	< LOD	< LOD
TKS17	< LOD	30.3	< LOD	26.23	< LOD	< LOD	< LOD
TKS18	< LOD	30.2	< LOD	25.73	< LOD	< LOD	< LOD
TKS19	< LOD	31.29	28.56	18.05	< LOD	< LOD	< LOD
TKS20	< LOD	30.41	33.38	17.87	< LOD	< LOD	< LOD

Survey site	Sb	Sb Error	Sn	Sn Error	Cd	Ag	Pd
TKS21	< LOD	31.49	28.78	18.02	< LOD	< LOD	< LOD
TKS22	< LOD	31.42	< LOD	26.45	< LOD	< LOD	< LOD
TKS23	35.37	21.35	< LOD	27.21	< LOD	< LOD	< LOD
TKS24	< LOD	31.05	< LOD	26.61	< LOD	< LOD	< LOD
TKS25	< LOD	30.72	< LOD	26.34	< LOD	< LOD	< LOD
TKS26	< LOD	30.54	< LOD	26.56	< LOD	< LOD	< LOD
TKS27	< LOD	30.42	< LOD	26.11	< LOD	< LOD	< LOD
TKS28	< LOD	30.52	< LOD	25.9	< LOD	< LOD	< LOD
TKS29	< LOD	31.13	< LOD	26.5	< LOD	< LOD	< LOD
TKS30	< LOD	30.47	< LOD	26.1	< LOD	< LOD	< LOD
TKS31	< LOD	31.19	27.4	17.97	< LOD	< LOD	< LOD
TKS32	< LOD	32.4	34.67	18.93	< LOD	< LOD	< LOD
TKS33	< LOD	31.49	32.8	18.45	< LOD	< LOD	< LOD
TKS34	< LOD	30.49	< LOD	26.62	< LOD	< LOD	< LOD
TKS35	< LOD	31.08	27.09	18.06	< LOD	< LOD	< LOD
TKS36	< LOD	32.21	< LOD	27.36	< LOD	< LOD	< LOD
TKS37	< LOD	31.66	29.47	18.11	< LOD	< LOD	< LOD
TKS38	< LOD	31.71	< LOD	27.35	< LOD	< LOD	< LOD
TKS39	< LOD	31.49	< LOD	27.36	< LOD	< LOD	< LOD
TKS40	33.41	22.08	< LOD	28.04	< LOD	< LOD	< LOD
TKS41	< LOD	32.48	< LOD	27.95	< LOD	< LOD	< LOD
TKS32 (replicate)	< LOD	32.17	< LOD	26.91	< LOD	< LOD	< LOD
TKS32	< LOD	32.31	< LOD	28.49	< LOD	< LOD	< LOD
TKS30	< LOD	32.27	< LOD	27.77	< LOD	< LOD	< LOD
TKS28	< LOD	31.62	< LOD	26.94	< LOD	< LOD	< LOD
TKS26	< LOD	32.61	< LOD	27.41	< LOD	< LOD	< LOD
TKS24	< LOD	31.19	< LOD	27.04	< LOD	< LOD	< LOD
TKS22	< LOD	32.82	< LOD	28.33	< LOD	< LOD	< LOD
TKS20	< LOD	31	< LOD	26.45	< LOD	< LOD	< LOD
TKS29 (replicate)	< LOD	30.92	< LOD	26.85	< LOD	< LOD	< LOD
TKS20 (replicate)	< LOD	29.68	< LOD	25.53	< LOD	< LOD	< LOD
TKS12 (replicate)	< LOD	30.69	< LOD	26.23	< LOD	< LOD	< LOD
TKS26 (replicate)	< LOD	30.97	< LOD	26.44	< LOD	< LOD	< LOD
TKS24 (replicate)	< LOD	29.29	< LOD	25.91	< LOD	< LOD	< LOD

Sample ID	Sample type	Sample details	Digest	Method	Easting	Northing	Datum
TKD1	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477194	6545375	WGS84
TKD2	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477214	6545377	WGS84
TKD3	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477235	6545371	WGS84
TKD4	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477253	6545369	WGS84
TKD5	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477275	6545368	WGS84
TKD6	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477293	6545367	WGS84
TKD7	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477314	6545363	WGS84
TKD8	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477336	6545363	WGS84
TKD9	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477358	6545359	WGS84
TKD10	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477379	6545353	WGS84
TKD11	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477396	6545358	WGS84
TKD12	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477412	6545360	WGS84
TKD13	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477436	6545365	WGS84
TKD14	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477452	6545370	WGS84
TKD15	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477474	6545371	WGS84
TKD16	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477499	6545383	WGS84
TKD17	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477516	6545385	WGS84
TKD18	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477535	6545388	WGS84
TKD19	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477546	6545389	WGS84
TKD20	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477570	6545405	WGS84
TKD21	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477583	6545410	WGS84
TKD22	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477607	6545394	WGS84
TKD23	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477630	6545408	WGS84
TKD24	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477648	6545410	WGS84
TKD25	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477667	6545413	WGS84
TKD26	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477684	6545418	WGS84
TKD27	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477704	6545421	WGS84
TKD28	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477728	6545421	WGS84
TKD29	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477743	6545431	WGS84
TKD30	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477764	6545436	WGS84
TKD31	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477784	6545433	WGS84
TKD32	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477803	6545430	WGS84
TKD33	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477823	6545430	WGS84
TKD34	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477845	6545433	WGS84
TKD35	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477866	6545433	WGS84
TKD36	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477881	6545439	WGS84
TKD37	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477902	6545444	WGS84
TKD38	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477916	6545452	WGS84
TKD39	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477940	6545454	WGS84
TKD40	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477961	6545453	WGS84
TKD41	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477980	6545455	WGS84
TKD42	soil	80#, replicate (TKD8)	Na-pyrophosphate + cyanide	ICP-MS	477336	6545363	WGS84
TKD43	soil	80#, replicate (TKD20)	Na-pyrophosphate + cyanide	ICP-MS	477571	6545405	WGS84
TKD44	soil	80#, replicate (TKD26)	Na-pyrophosphate + cyanide	ICP-MS	477684	6545418	WGS84
TKD45	soil	80#, duplicate (TKD20)	Na-pyrophosphate + cyanide	ICP-MS	477570	6545405	WGS85
TKD46	soil	80#, duplicate (TKD29)	Na-pyrophosphate + cyanide	ICP-MS	477743	6545431	WGS86
TKS1	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477114	6545517	WGS84
TKS2	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477136	6545516	WGS84
TKS3	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477153	6545510	WGS84
TKS4	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477171	6545501	WGS84
TKS5	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477189	6545494	WGS84
TKS6	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477209	6545489	WGS84
TKS7	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477229	6545489	WGS84
TKS8	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477248	6545484	WGS84
TKS9	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477270	6545472	WGS84
TKS10	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477285	6545456	WGS84
TKS11	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477309	6545453	WGS84
TKS12	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477321	6545447	WGS84
TKS13	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477344	6545455	WGS84
TKS14	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477362	6545445	WGS84
TKS15	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477375	6545433	WGS84
TKS16	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477399	6545431	WGS84
TKS17	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477414	6545430	WGS84
TKS18	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477431	6545450	WGS84
TKS19	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477449	6545445	WGS84
TKS20	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477468	6545447	WGS84

Sample ID	Sample type	Sample details	Digest	Method	Easting	Northing	Datum
TKS21	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477480	6545470	WGS84
TKS22	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477507	6545441	WGS84
TKS23	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477530	6545462	WGS84
TKS24	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477555	6545461	WGS84
TKS25	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477554	6545474	WGS84
TKS26	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477583	6545480	WGS84
TKS27	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477599	6545490	WGS84
TKS28	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477621	6545498	WGS84
TKS29	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477634	6545501	WGS84
TKS30	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477653	6545509	WGS84
TKS31	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477678	6545502	WGS84
TKS32	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477695	6545493	WGS84
TKS33	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477713	6545496	WGS84
TKS34	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477733	6545499	WGS84
TKS35	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477756	6545500	WGS84
TKS36	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477772	6545503	WGS84
TKS37	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477798	6545503	WGS84
TKS38	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477811	6545503	WGS84
TKS39	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477832	6545505	WGS84
TKS40	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477841	6545512	WGS84
TKS41	soil	80#	Na-pyrophosphate + cyanide	ICP-MS	477871	6545509	WGS84
TKS42	soil	80#, replicate (TKS32)	Na-pyrophosphate + cyanide	ICP-MS	477695	6545493	WGS84
TKS43	soil	200#, TKS32	Na-pyrophosphate + cyanide	ICP-MS	477695	6545493	WGS84
TKS44	soil	200#, TKS30	Na-pyrophosphate + cyanide	ICP-MS	477653	6545509	WGS84
TKS45	soil	200#, TKS28	Na-pyrophosphate + cyanide	ICP-MS	477621	6545498	WGS84
TKS46	soil	200#, TKS26	Na-pyrophosphate + cyanide	ICP-MS	477583	6545480	WGS84
TKS47	soil	200#, TKS24	Na-pyrophosphate + cyanide	ICP-MS	477555	6545461	WGS84
TKS48	soil	200#, TKS22	Na-pyrophosphate + cyanide	ICP-MS	477507	6545441	WGS84
TKS49	soil	200#, TKS20	Na-pyrophosphate + cyanide	ICP-MS	477468	6545447	WGS84
TKS50	soil	80#, replicate (TKS29)	Na-pyrophosphate + cyanide	ICP-MS	477634	6545501	WGS84
TKS51	soil	80#, replicate (TKS20)	Na-pyrophosphate + cyanide	ICP-MS	477468	6545445	WGS84
TKS52	soil	80#, duplicate (TKS12)	Na-pyrophosphate + cyanide	ICP-MS	477321	6545447	WGS84
TKS53	soil	80#, duplicate (TKS26)	Na-pyrophosphate + cyanide	ICP-MS	477583	6545480	WGS84
TKS54	soil	80#, duplicate (TKS24)	Na-pyrophosphate + cyanide	ICP-MS	477555	6545461	WGS84

Sample ID	Zone	Method	Date	R number	Au	Ag	As	Bi	Cd	Cu	Mo	Pb	Rb	U
TKD1	Z53	GPS	02/04/2009	1685294	4	2.3	193	3.2	<1	397	10	238	1360	22
TKD2	Z53	GPS	02/04/2009	1685295	3	1.3	55	2.7	<1	386	8.3	231	1300	18
TKD3	Z53	GPS	02/04/2009	1685296	3.6	<0.05	46	1.4	<1	268	4.4	179	925	11
TKD4	Z53	GPS	02/04/2009	1685297	3.5	0.77	100	1.7	<1	373	5.5	236	1160	17
TKD5	Z53	GPS	02/04/2009	1685298	2.7	0.78	164	1.5	<1	330	1.3	372	1030	16
TKD6	Z53	GPS	02/04/2009	1685299	3.9	1.3	15	1.8	<1	446	5.4	299	1260	24
TKD7	Z53	GPS	02/04/2009	1685300	3.1	2.1	168	2.7	<1	551	11	337	1570	28
TKD8	Z53	GPS	02/04/2009	1685301	2.9	1.2	139	2.4	<1	362	6.3	366	1220	19
TKD9	Z53	GPS	02/04/2009	1685302	4.1	0.94	146	1.6	<1	357	3.8	233	1100	18
TKD10	Z53	GPS	02/04/2009	1685303	3.8	4.3	188	3.3	<1	348	5.8	306	1640	39
TKD11	Z53	GPS	02/04/2009	1685304	4.3	3.4	47	1.7	<1	300	<1	233	1190	20
TKD12	Z53	GPS	02/04/2009	1685305	3	1.2	80	0.3	<1	272	<1	183	928	13
TKD13	Z53	GPS	02/04/2009	1685306	2.7	0.66	156	2.5	<1	322	1.8	257	1260	24
TKD14	Z53	GPS	02/04/2009	1685307	2.1	0.12	55	2.1	<1	380	3.7	296	1430	28
TKD15	Z53	GPS	02/04/2009	1685308	0.31	<0.05	<1	<0.1	<1	440	<1	183	604	27
TKD16	Z53	GPS	02/04/2009	1685309	1.5	<0.05	<1	1.7	<1	316	<1	239	1160	29
TKD17	Z53	GPS	02/04/2009	1685310	1.5	0.81	38	1.7	<1	363	<1	341	1130	32
TKD18	Z53	GPS	02/04/2009	1685311	4.3	1.4	66	2.5	<1	384	<1	314	1490	38
TKD19	Z53	GPS	02/04/2009	1685312	4.7	1.4	<1	1.2	<1	416	<1	213	1090	44
TKD20	Z53	GPS	02/04/2009	1685313	5.8	1.5	<1	1	<1	343	<1	360	998	31
TKD21	Z53	GPS	02/04/2009	1685314	7.2	0.63	1.8	<0.1	1.2	514	<1	230	657	44
TKD22	Z53	GPS	02/04/2009	1685315	6.7	2.3	<1	1.2	<1	417	<1	218	1060	36
TKD23	Z53	GPS	02/04/2009	1685316	6.7	2.7	11	2.2	<1	359	2.5	253	1380	38
TKD24	Z53	GPS	02/04/2009	1685317	3.8	1.3	<1	0.6	<1	363	<1	194	998	26
TKD25	Z53	GPS	02/04/2009	1685318	5.7	1.2	1.6	0.1	<1	379	<1	199	780	40
TKD26	Z53	GPS	02/04/2009	1685319	0.29	0.08	<1	<0.1	<1	383	<1	192	841	50
TKD27	Z53	GPS	02/04/2009	1685320	<0.01	0.89	20	0.1	<1	515	<1	236	896	39
TKD28	Z53	GPS	02/04/2009	1685321	<0.01	0.21	<1	<0.1	<1	534	<1	227	793	38
TKD29	Z53	GPS	02/04/2009	1685322	4.9	8.5	32	0.8	8.1	1410	1.6	40	256	17
TKD30	Z53	GPS	02/04/2009	1685323	6.3	6	103	1	4.1	1060	2.7	76	484	25
TKD31	Z53	GPS	02/04/2009	1685324	2	2.8	<1	1.2	4.1	760	2.3	73	496	23
TKD32	Z53	GPS	02/04/2009	1685325	<0.01	1.4	26	2	7.5	677	2.5	219	614	40
TKD33	Z53	GPS	02/04/2009	1685326	<0.01	1.7	75	1.6	2.8	767	3.3	166	626	42
TKD34	Z53	GPS	02/04/2009	1685327	<0.01	0.68	54	2.1	4.5	666	4.9	200	576	49
TKD35	Z53	GPS	02/04/2009	1685328	1.6	4	<1	1.2	4.9	1000	3.3	77	476	21
TKD36	Z53	GPS	02/04/2009	1685329	0.6	2.7	13	1.3	5.4	769	12	193	545	48
TKD37	Z53	GPS	02/04/2009	1685330	<0.01	1.7	40	2	6.2	683	5.2	154	626	32
TKD38	Z53	GPS	02/04/2009	1685331	0.11	2.7	76	2	3.9	808	5.3	170	682	33
TKD39	Z53	GPS	02/04/2009	1685332	<0.01	2.7	18	1.9	4.4	861	6.1	231	654	40
TKD40	Z53	GPS	02/04/2009	1685333	0.03	4.2	<1	1.4	7	884	2.8	157	603	61
TKD41	Z53	GPS	02/04/2009	1685334	4.1	6.4	13	0.2	9.7	2000	<1	36	295	18
TKD42	Z53	GPS	02/04/2009	1685335	<0.01	0.98	<1	1.9	3	262	3.2	129	485	14
TKD43	Z53	GPS	02/04/2009	1685336	5.5	<0.05	77	6.3	9.2	338	16	206	468	34
TKD44	Z53	GPS	02/04/2009	1685337	0.5	1.4	<1	4	5.6	384	8.6	140	479	48
TKD45	Z54	GPS	02/04/2009	1685338	4.7	1.6	<1	3.1	7.9	272	6.3	192	430	28
TKD46	Z55	GPS	02/04/2009	1685339	3.8	5.5	<1	1.2	7.2	1480	1.4	30	276	17
TKS1	Z53	GPS	03/04/2009	1685340	8.5	18	441	1.5	17	6420	7.4	32	332	48
TKS2	Z53	GPS	03/04/2009	1685341	7.8	15	316	1.1	16	6060	4.6	24	281	30
TKS3	Z53	GPS	03/04/2009	1685342	6.5	17	224	1.1	20	5730	4.7	32	344	20
TKS4	Z53	GPS	03/04/2009	1685343	4.9	13	143	1	18	5530	3.8	17	211	23
TKS5	Z53	GPS	03/04/2009	1685344	2.2	9.4	<1	1.2	11	3620	3.5	23	227	13
TKS6	Z53	GPS	03/04/2009	1685345	0.47	6.8	<1	1	13	3280	<1	15	195	14
TKS7	Z53	GPS	03/04/2009	1685346	0.38	6.4	<1	0.9	9.2	2580	<1	53	365	28
TKS8	Z53	GPS	03/04/2009	1685347	1.5	12	<1	0.9	9.1	3340	<1	36	296	18
TKS9	Z53	GPS	03/04/2009	1685348	<0.01	7.7	<1	1.5	6.5	2670	3.1	128	488	46
TKS10	Z53	GPS	03/04/2009	1685349	<0.01	6.8	<1	0.9	11	2310	1.8	18	199	27
TKS11	Z53	GPS	03/04/2009	1685350	1.8	14	146	0.2	8.8	3410	2	29	221	25
TKS12	Z53	GPS	03/04/2009	1685351	2.3	11	166	0.4	8.2	3190	2.2	35	336	35
TKS13	Z53	GPS	03/04/2009	1685352	2.1	14	172	0.4	16	3450	5	29	259	24
TKS14	Z53	GPS	03/04/2009	1685353	3.3	9.8	185	0.5	19	4060	8.8	38	175	33
TKS15	Z53	GPS	03/04/2009	1685354	9	13	295	0.4	15	4560	3.6	21	179	23
TKS16	Z53	GPS	03/04/2009	1685355	1.3	4.3	108	0.3	13	2840	5.4	201	259	29
TKS17	Z53	GPS	03/04/2009	1685356	4.7	5.1	169	0.1	5.2	1760	2.5	25	213	15
TKS18	Z53	GPS	03/04/2009	1685357	8	12	114	0.7	11	2700	2.9	83	357	35
TKS19	Z53	GPS	03/04/2009	1685358	15	14	180	0.6	14	3540	6.4	36	199	31
TKS20	Z53	GPS	03/04/2009	1685359	10	9.5	144	0.3	8.5	1850	4.8	31	219	26

Sample ID	Zone	Method	Date	R number	Au	Ag	As	Bi	Cd	Cu	Mo	Pb	Rb	U
TKS21	Z53	GPS	03/04/2009	1685360	6.8	2.6	129	1.3	4.5	796	30	131	480	71
TKS22	Z53	GPS	03/04/2009	1685361	20	8	90	1	10	1470	4	266	423	74
TKS23	Z53	GPS	03/04/2009	1685362	13	6.6	125	1.2	12	1320	7.4	219	456	90
TKS24	Z53	GPS	03/04/2009	1685363	26	6.1	60	1.4	8.1	1440	27	229	533	122
TKS25	Z53	GPS	03/04/2009	1685364	29	9.4	145	1.8	17	1940	29	379	549	96
TKS26	Z53	GPS	03/04/2009	1685365	49	14	101	1.4	9.9	2110	14	225	565	196
TKS27	Z53	GPS	03/04/2009	1685366	17	8.5	184	1.3	14	1950	8.3	192	516	105
TKS28	Z53	GPS	03/04/2009	1685367	17	8.3	42	1.5	8.9	1580	3.3	160	460	63
TKS29	Z53	GPS	03/04/2009	1685368	18	12	166	0.9	25	2940	5	109	247	52
TKS30	Z53	GPS	03/04/2009	1685369	3.3	4.4	132	1.6	8	1370	7.9	170	435	51
TKS31	Z53	GPS	03/04/2009	1685370	0.29	3.1	171	2.5	6.7	1290	12	304	561	67
TKS32	Z53	GPS	02/04/2009	1685371	3.8	3.5	224	2.7	10	2510	29	440	776	145
TKS33	Z53	GPS	02/04/2009	1685372	4.3	6.4	131	1.9	14	3300	26	264	564	149
TKS34	Z53	GPS	02/04/2009	1685373	5.6	9.1	87	1.4	16	2640	15	181	382	76
TKS35	Z53	GPS	02/04/2009	1685374	4.7	8.8	235	1.2	15	2900	22	148	433	77
TKS36	Z53	GPS	02/04/2009	1685375	3.8	7.5	161	1.9	10	2710	35	291	539	140
TKS37	Z53	GPS	02/04/2009	1685376	0.37	5.7	105	3.1	13	2650	35	287	454	92
TKS38	Z53	GPS	02/04/2009	1685377	3.2	13	175	0.8	13	2980	4.9	57	256	29
TKS39	Z53	GPS	02/04/2009	1685378	7.9	17	137	<0.1	14	3430	1.9	6.5	125	15
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TKS41	Z53	GPS	02/04/2009	1685380	13	22	287	<0.1	19	4270	<1	6.1	86	25
TKS42	Z53	GPS	02/04/2009	1685381	4.6	13	149	0.2	8.3	2750	27	442	739	155
TKS43	Z53	GPS	02/04/2009	1685382	10	15	338	1	25	5670	49	812	950	341
TKS44	Z53	GPS	02/04/2009	1685383	17	20	205	<0.1	18	4400	12	169	341	160
TKS45	Z53	GPS	02/04/2009	1685384	64	32	92	<0.1	26	6210	1.3	185	381	252
TKS46	Z53	GPS	02/04/2009	1685385	155	53	69	<0.1	30	6790	39	333	814	706
TKS47	Z53	GPS	02/04/2009	1685386	81	26	114	<0.1	20	4320	39	303	691	403
TKS48	Z53	GPS	03/04/2009	1685387	84	42	228	<0.1	32	6200	2.9	232	407	263
TKS49	Z53	GPS	03/04/2009	1685388	45	49	223	<0.1	33	8420	3	87	218	93
TKS50	Z53	GPS	03/04/2009	1685389	13	15	131	<0.1	25	2600	<1	137	378	41
TKS51	Z53	GPS	03/04/2009	1685390	9.6	9.6	151	<0.1	8.2	1650	1.4	23	144	29
TKS52	Z53	GPS	03/04/2009	1685391	1.7	15	139	<0.1	10	3180	<1	18	233	28
TKS53	Z53	GPS	03/04/2009	1685392	52	18	142	<0.1	13	2300	11	273	547	207
TKS54	Z53	GPS	03/04/2009	1685393	27	10	147	<0.1	11	1430	17	214	456	117

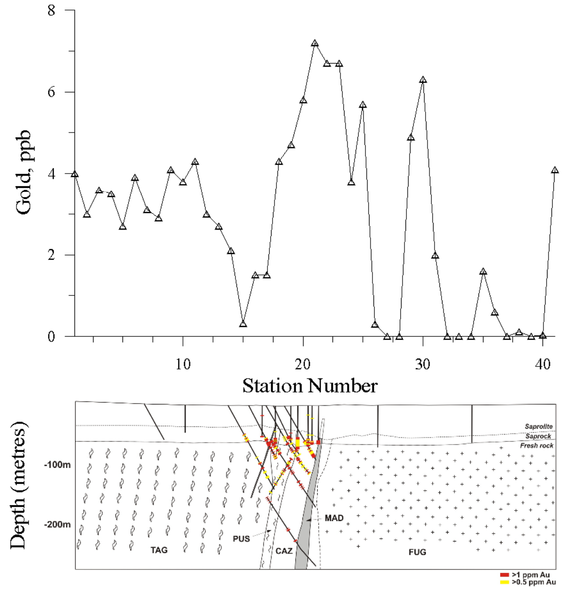
Sample ID	Zn	Ni
TKD1	889	527
TKD2	740	476
TKD3	592	314
TKD4	753	440
TKD5	695	398
TKD6	836	470
TKD7	917	543
TKD8	777	454
TKD9	766	380
TKD10	770	564
TKD11	864	382
TKD12	654	314
TKD13	685	419
TKD14	675	503
TKD15	1010	262
TKD16	607	383
TKD17	726	423
TKD18	774	486
TKD19	604	425
TKD20	776	336
TKD21	757	306
TKD22	577	374
TKD23	762	442
TKD24	634	369
TKD25	435	240
TKD26	369	298
TKD27	509	350
TKD28	417	277
TKD29	995	294
TKD30	495	310
TKD31	250	301
TKD32	311	245
TKD33	222	279
TKD34	249	249
TKD35	981	277
TKD36	769	306
TKD37	660	282
TKD38	417	209
TKD39	432	235
TKD40	607	255
TKD41	395	322
TKD42	640	156
TKD43	708	163
TKD44	600	195
TKD45	512	184
TKD46	336	283
TKS1	972	928
TKS2	1010	636
TKS3	773	563
TKS4	1010	727
TKS5	788	564
TKS6	537	518
TKS7	585	404
TKS8	606	430
TKS9	640	505
TKS10	605	430
TKS11	671	416
TKS12	354	284
TKS13	656	293
TKS14	1600	817
TKS15	988	510
TKS16	922	745
TKS17	257	300
TKS18	433	510
TKS19	406	571
TKS20	321	345

Sample ID	Zn	Ni
TKS21	209	207
TKS22	506	463
TKS23	752	363
TKS24	499	322
TKS25	943	550
TKS26	420	336
TKS27	570	408
TKS28	453	313
TKS29	1350	772
TKS30	409	312
TKS31	274	255
TKS32	690	283
TKS33	693	308
TKS34	805	510
TKS35	287	377
TKS36	1020	404
TKS37	375	418
TKS38	465	268
TKS39	676	231
TKS40	1040	762
TKS41	518	316
TKS42	1070	260
TKS43	1330	499
TKS44	594	707
TKS45	1030	987
TKS46	1030	711
TKS47	728	767
TKS48	1070	1630
TKS49	892	1540
TKS50	1330	668
TKS51	528	390
TKS52	<1	177
TKS53	<1	269
TKS54	173	203

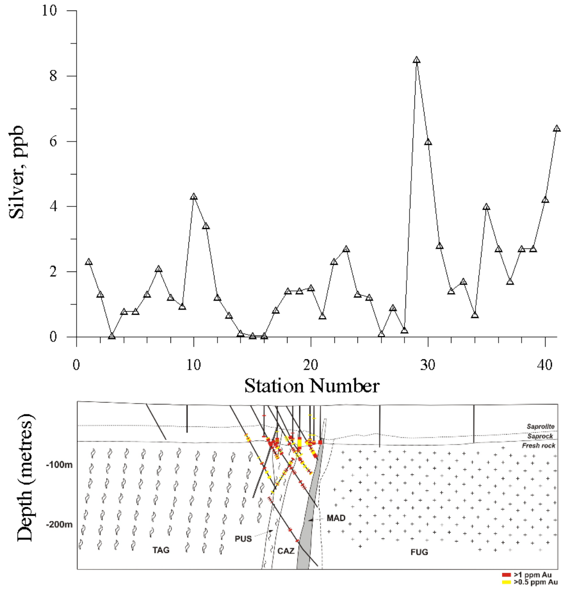
APPENDIX 2 GEOCHEMICAL DATA PLOTS

Tunkillia - TKD

GOLD



SILVER



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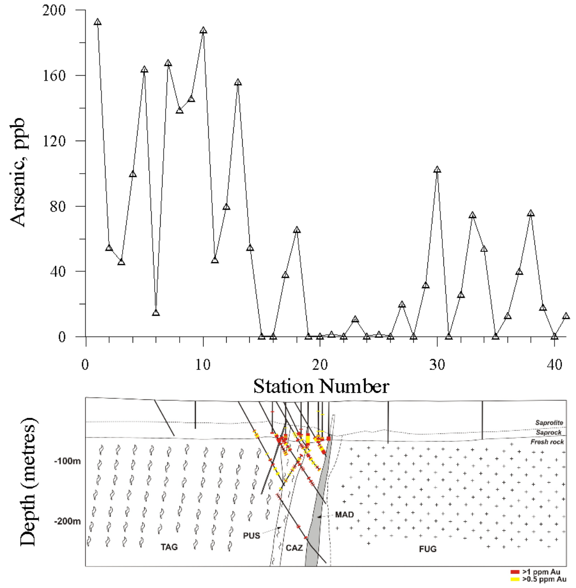

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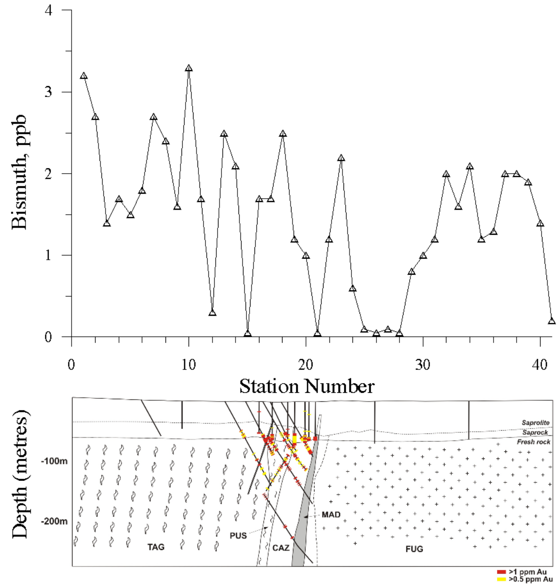
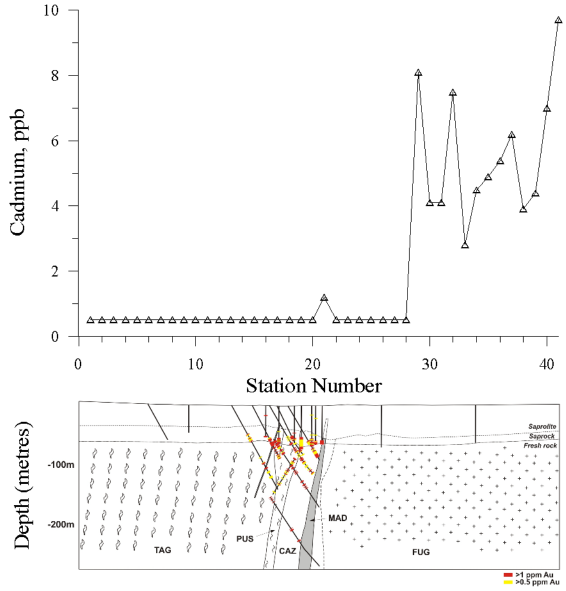


Tunkillia - TKD

CADMIUM



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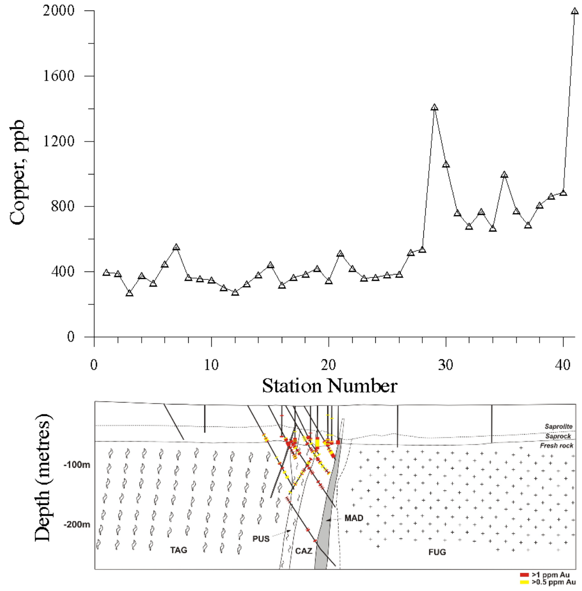
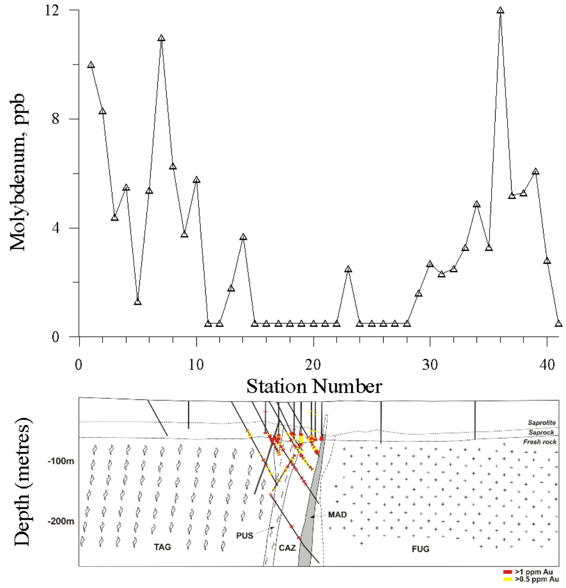


MOLYBDENUM



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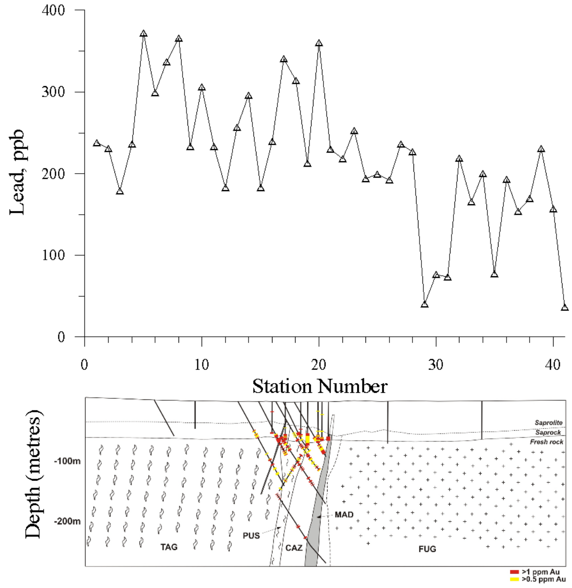

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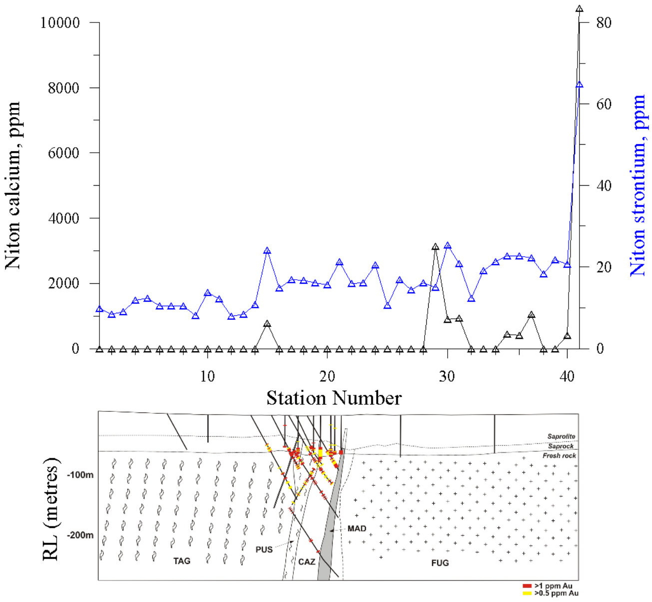
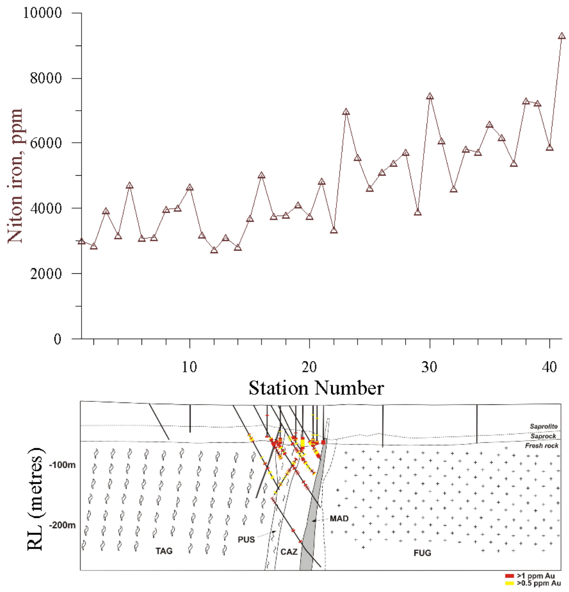
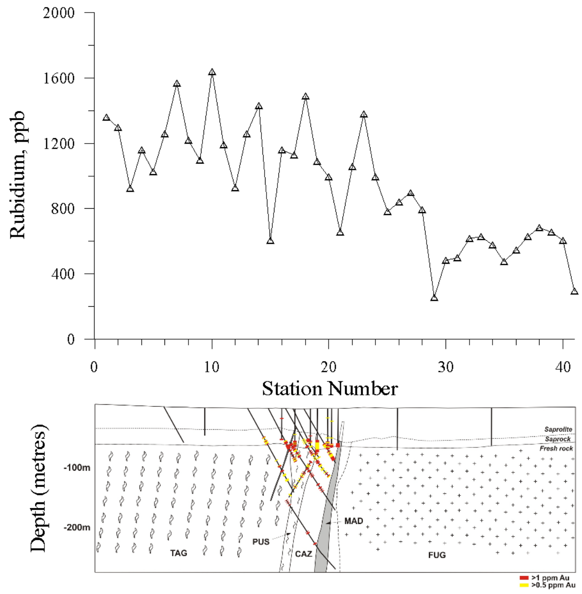


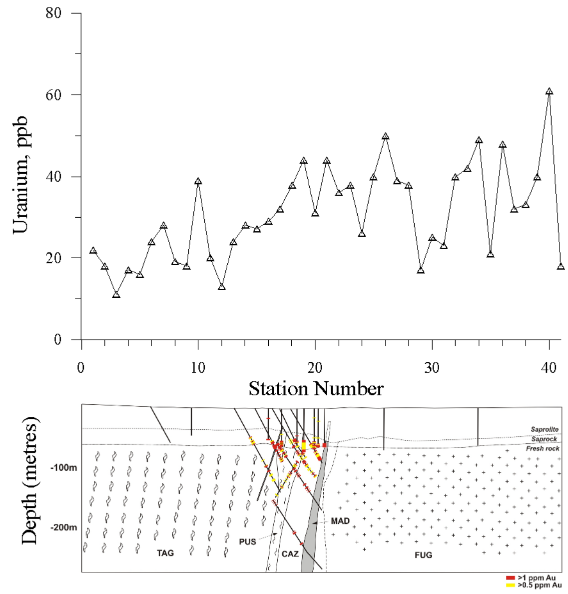


Tunkillia - TKD

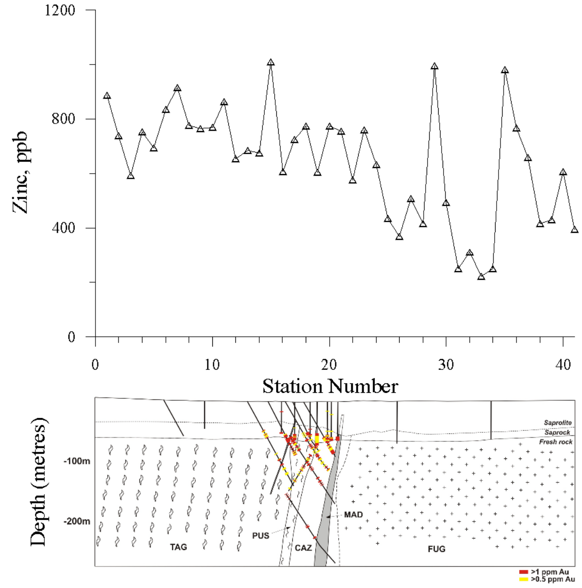
RUBIDIUM



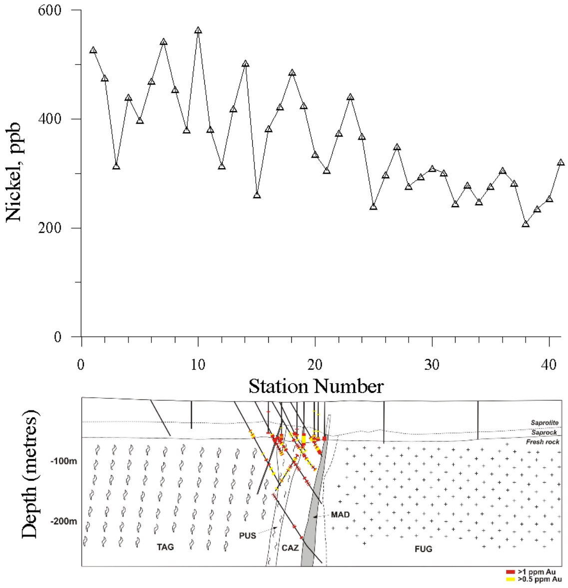
URANIUM



ZINC

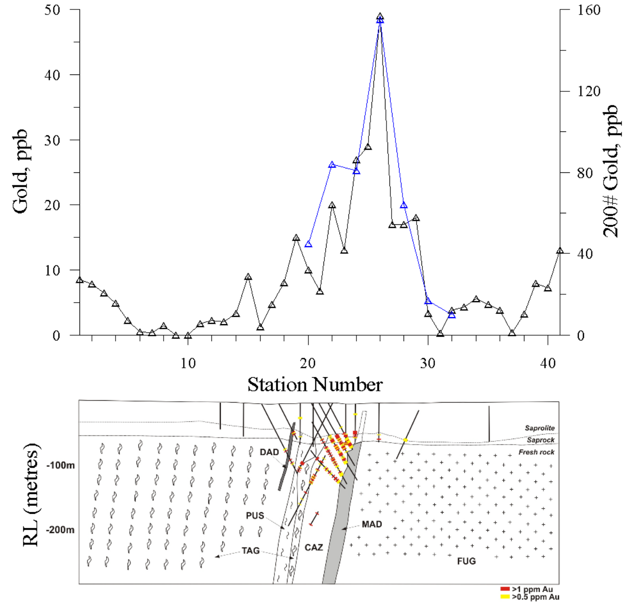


NICKEL

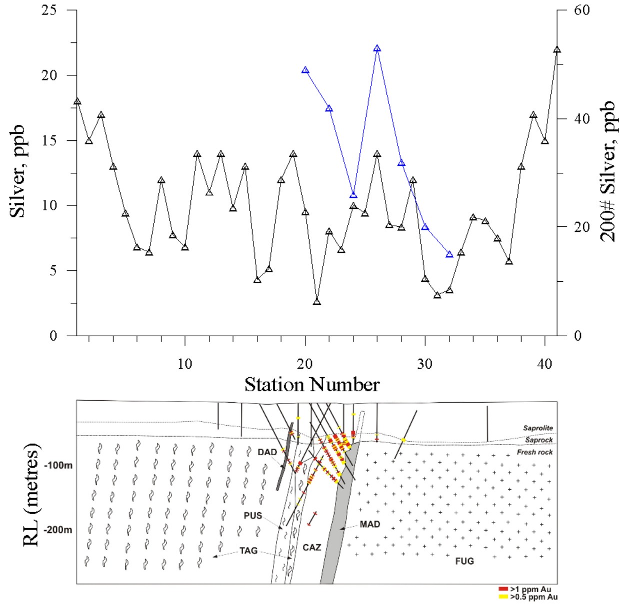


Tunkillia - TKS

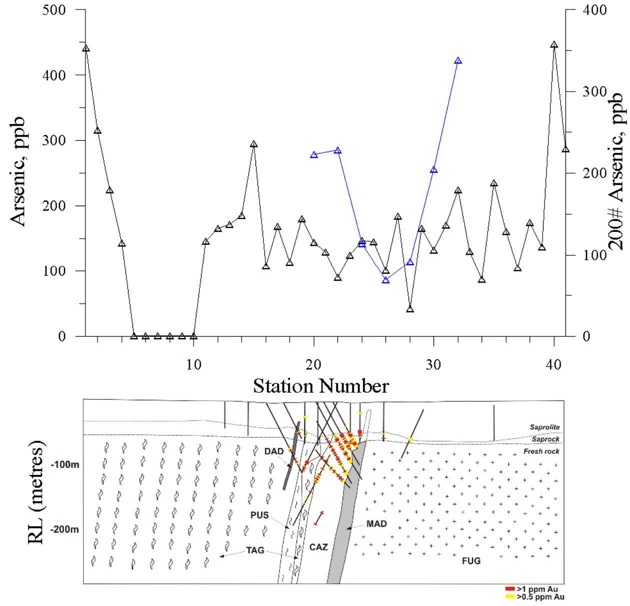
GOLD



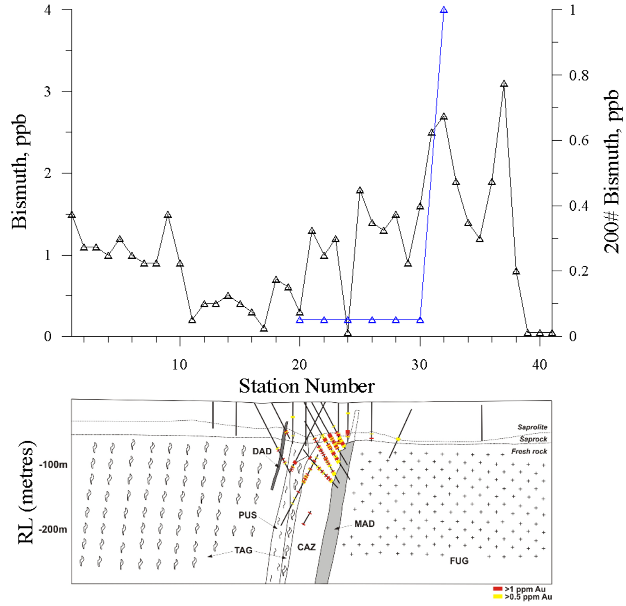
SILVER



ARSENIC

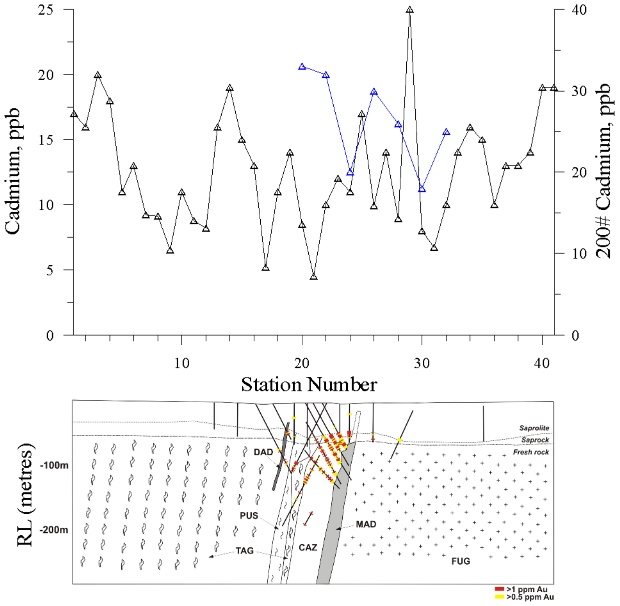


BISMUTH

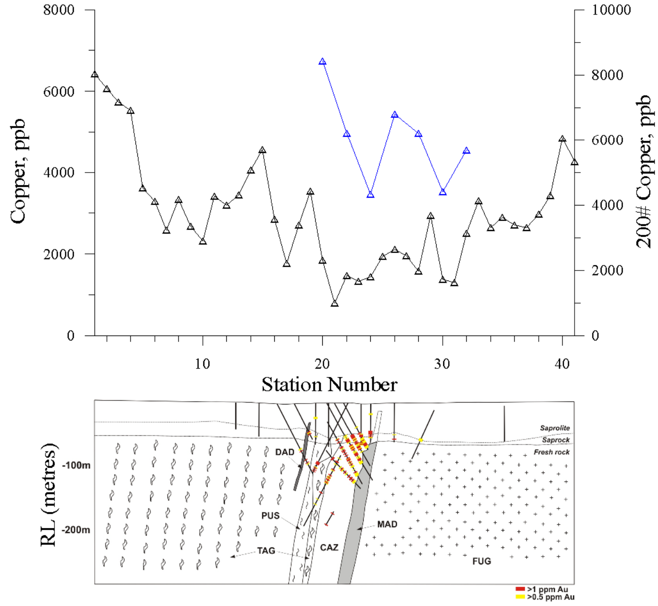


Tunkillia - TKS

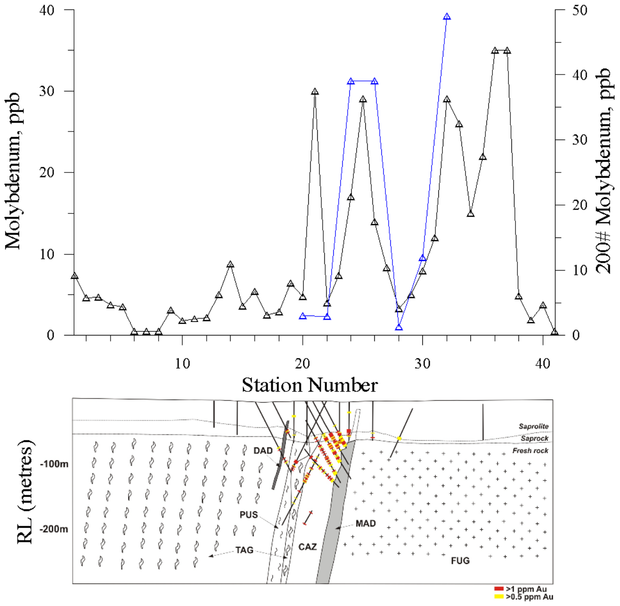
CADMIUM



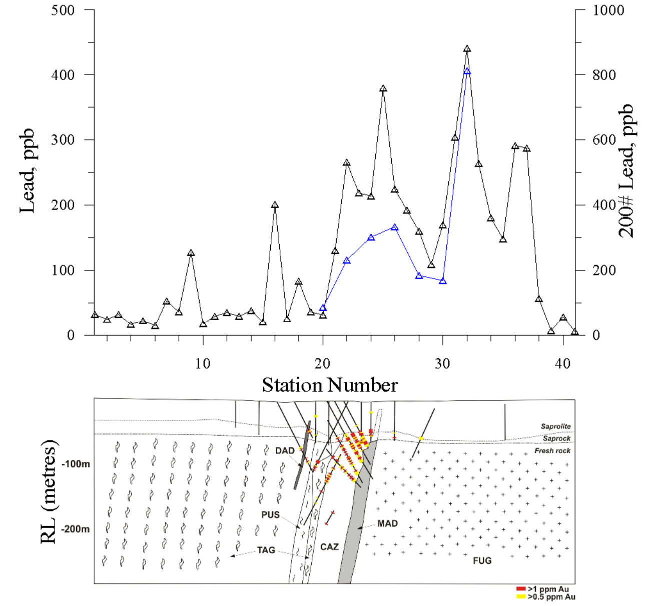
COPPER



MOLYBDENUM



LEAD



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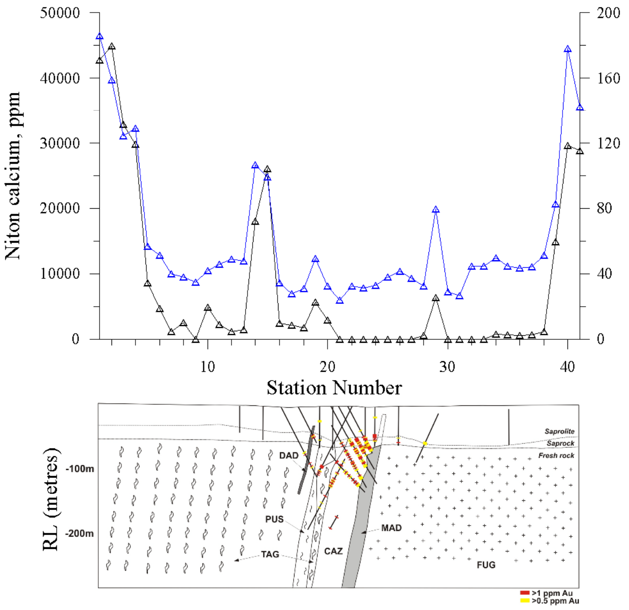
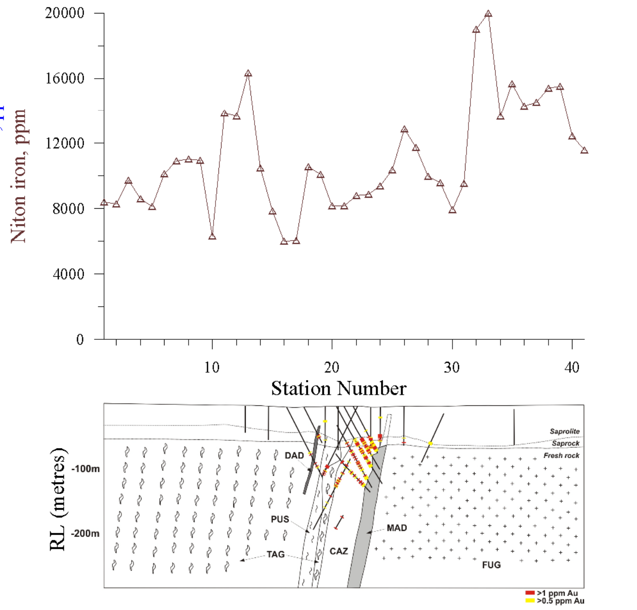
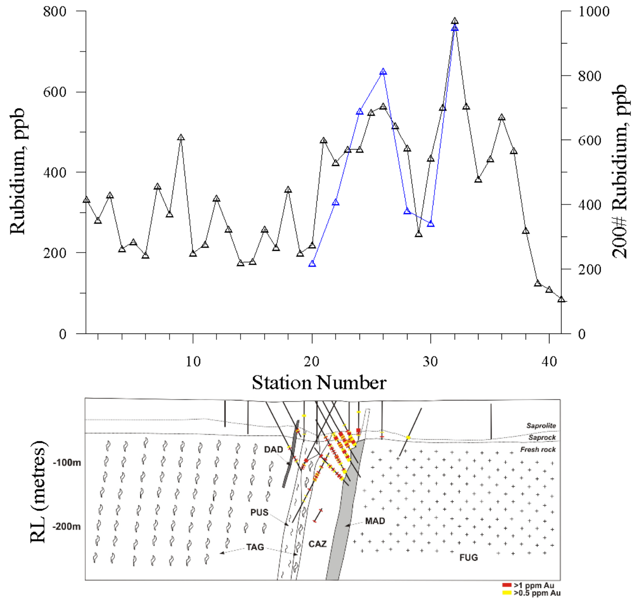


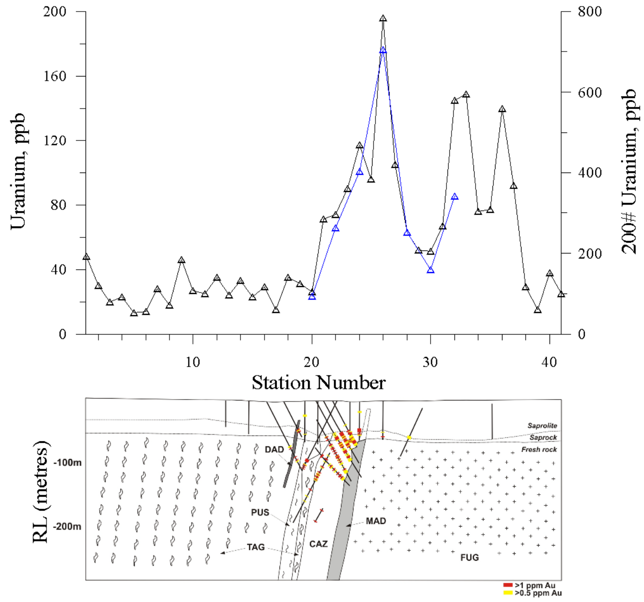


Tunkillia - TKS

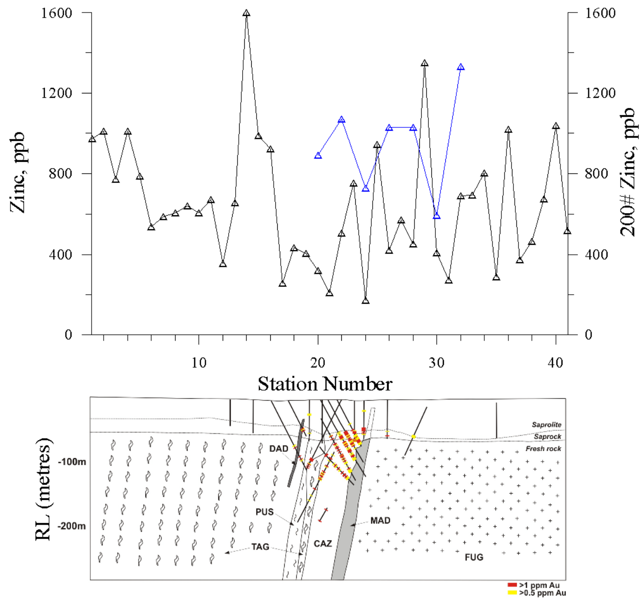
RUBIDIUM



URANIUM



ZINC



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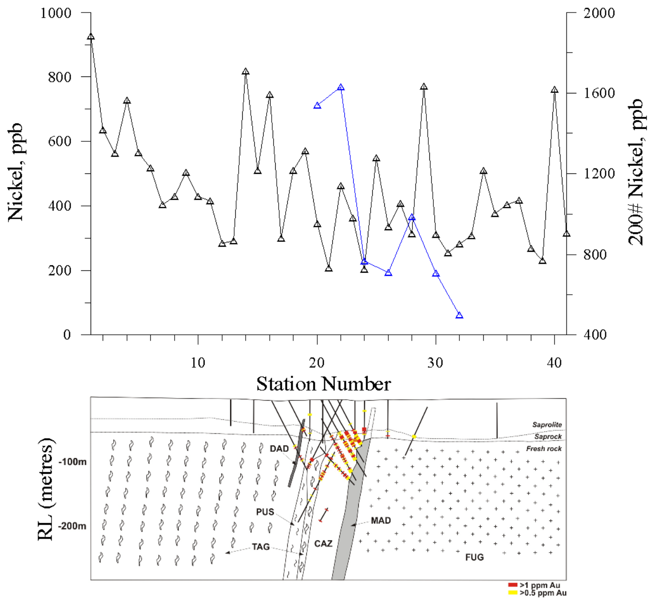

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