



**Mt Lindsay – Webbs Creek
Exploration Licence 21/2005**

Annual Technical Report for the period 22/08/2009 to 22/08/2010

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July 2010
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Contents

1 SUMMARY	1
2 INTRODUCTION	1
3 LOCATION AND ACCESS	2
4 EXPLORATION AND MINING HISTORY	4
5 GEOLOGY AND MINERALISATION	4
5.1 Geological Setting	4
5.2 Mineralisation.....	5
5.2.1 Mineralogy.....	5
5.2.2 Geometry	6
6 2009-2010 ANNIVERSARY YEAR EXPLORATION ACTIVITIES	11
6.1 Geological Mapping and Rock Chip, Soil and Stream Sediment Sampling	11
6.2 Drilling	11
6.3 Surveying.....	12
6.4 Sampling and Assaying of Drill Core.....	13
6.5 Resource Estimation, Metallurgical Testwork, Mining and Financial Studies	15
6.6 Environmental Studies.....	15
7 CONCLUSIONS AND RECOMMENDATIONS	15
8 BIBLIOGRAPHY	16

Figures

Figure 1: Location Plan.....	3
Figure 2: Project Geology	9
Figure 3. Mt Lindsay - Stanley River area Geology & Drill Holes	10

Appendices

Appendix A: Soil sample locations & assays	
Appendix B: Stream sediment sample locations & assays	
Appendix C: Rock chip sample locations & assays	
Appendix D: Drill hole collars	
Appendix E: Drill hole orientation surveys	
Appendix F: Drill core assays	
Appendix G: Drill core logs	
Appendix H: Resource & scoping study announcements	
Appendix I: Flora and fauna survey reports	

1 Summary

Exploration Licence 21/2005 located in western Tasmania currently includes seven identified magnetite-tin-tungsten skarns within the sedimentary rocks adjacent to the contact of the Meredith Granite, namely the Main, No 1, No 2, Waterhouse, Livingstone, Stanley Reward and Webbs Creek skarns. Current resources for the Main Skarn and No2 Skarn (combined) are 36 Mt at 0.20% Sn, 0.09% WO₃ and 20% Mass Recovery magnetic iron at a 0.20% Sn equivalent cut off. This includes 7.1 Mt at 0.42% Sn, 0.29% WO₃ and 19% Mass Recovery magnetic iron using a 0.45% Sn equivalent cut off. Initial resource estimates are being prepared for the Livingstone and Stanley Reward skarns, while No1 and Waterhouse skarns currently remain at identified mineralisation status.

Activities during the 2010 anniversary year included geological mapping, rock chip sampling (14 samples), soil sampling (363 samples), stream sediment sampling (9 samples), 14,515 m of drilling (comprises 63 diamond drill holes for 14,154 m of core and 3 Reverse Circulation precollars for 361 m), earthworks associated with pad drill rig access, flora and fauna surveys, down hole and collar surveying, logging and assaying of drill core, metallurgical test work, resource estimation and prefeasibility scoping studies (mining and process design, financial modelling).

Drilling activities were focussed on the Main, No2 and Livingstone skarns (exploration and resource definition), but also included exploration drilling of the No1, Waterhouse and Reward skarns. Resource definition drilling is currently in progress on the Main, No2, Livingstone and Reward skarns focussing on the higher grade Sn and W zones. Scoping studies in 2009-2010 confirm that mining of the Main and No2 skarns with an onsite process plant producing cassiterite, scheelite and magnetite concentrates should be commercially viable. The current resource definition programme is intended to provide the data needed for more detailed prefeasibility studies timetabled of the final quarter of 2010. Exploration drilling is in progress on the No1 and Waterhouse skarns.

Preliminary interpretation of soil sampling results indicates the presence of a 350 m long 100 ppm Sn in soil anomaly on Parsons Hood, partly coincident with W, B, As, Cu and spotty Be anomalism. Fragments of garnet skarn were identified in some of the anomalous soil samples, and the coincidence of Sn and B anomalism suggests the presence of borate-rich skarn or hornfels.

Flora and fauna surveys did not identify any significant issues to the current level of exploration activities.

2 Introduction

Exploration Licence 21/2005 is situated in the tin-tungsten province of western Tasmania and covers the south eastern contact metamorphic aureole of the Meredith Granite. The Meredith Granite is part of a suite of Devonian granites which is very important to tin-tungsten mineralization in Tasmania, and deposits associated with this suite include the

world class Renison Bell tin mine (26 Mt at 1.46% Sn), Mount Bischoff (10.54 Mt at 1.1% Sn), Cleveland (12.4 Mt at 0.62% Sn, 0.25% Cu) and King Island (17 Mt at 0.85% W03). Cleveland and Mount Bischoff are situated around the northern margin of the Meredith Granite, and Renison Bell is associated with the smaller Pine Hill Granite c. 15 km to the southeast of the Meredith Granite.

Previous exploration activities mainly for tin within the area now covered by E21/2005 also indicated the presence of potentially economic magnetite skarns. There are currently two producing magnetite mines in Tasmania, the Kara magnetite-scheelite mine located near Hampshire approximately 55 km in a direct line northeast of EL21/2005 and the Savage River magnetite mine (371 Mt at 31.9% Fe in magnetite) situated c. 25 km directly north northwest of the Mt Lindsay magnetite-tin-tungsten skarns within EL21/2005.

3 Location and Access

EL21/2005 currently covers 74 km² and is located approximately 130 km by road southwest of the coastal port of Burnie, and c. 35 km by road from the nearest town Tullah (Figure 1). Access to the licence is via the sealed (bitumen) Pieman Road which branches off the Murchison Highway c. 5 km north of Tullah, then approximately 3 km of 4WD vehicle track to the drill site. The drill site is c. 3 km from Hydro Tasmania transmission lines (adjacent to the Pieman Road) and 21 km from the Bastyan hydroelectric powerhouse and Emu Bay Railway which connects with the port of Burnie.

Elevation within the licence ranges from 100 m above median sea level where Lake Pieman winds around the south western corner up to 913 m at the top of Parsons Hood at the southern end of the Meredith Range. Other highpoints include Mt Lindsay (579 m) on a spur branching southwest off Parsons Hood, and Mt Livingstone (781 m) beyond the western boundary. Average annual rainfall is approximately 2000 mm and vegetation is dominated by temperate rainforest, with patches of dense sub-alpine scrub over granitic basement and in areas of regenerating forest.

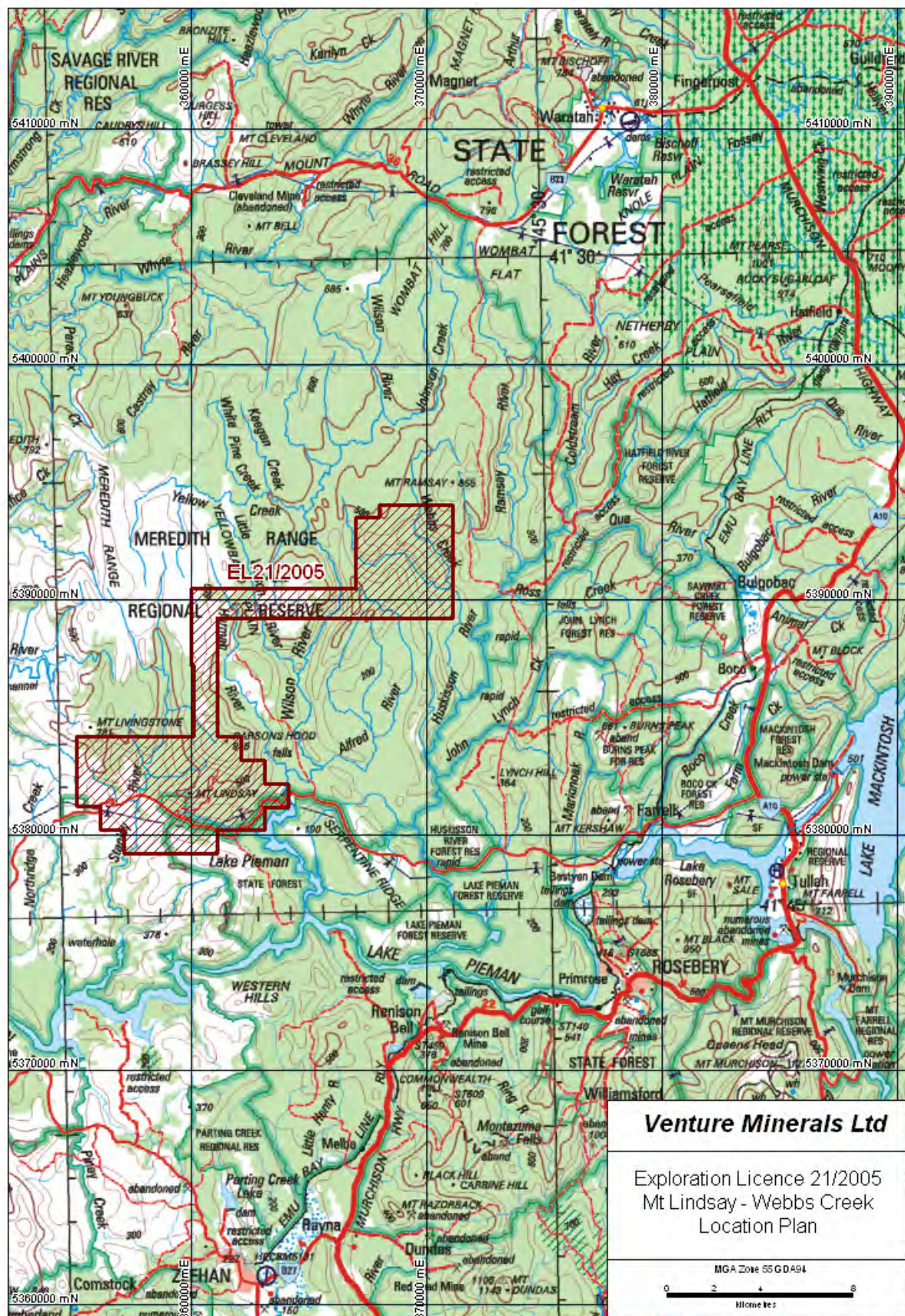


Figure 1: Location Plan

4 Exploration and Mining History

Please refer to previous annual reports for reviews of past exploration and mining (eg. Owen, 2009).

5 Geology and Mineralisation

5.1 Geological Setting

The south western part of EL21/2005 is underlain by northwest striking sedimentary and volcanic rocks of the Crimson Creek Formation, Success Creek Group and Oonah Formation which are intruded to the northwest by the Meredith Granite (Figures 2 and 3). The north eastern corner of EL21/2005 (the Webbs Creek area) is underlain mainly by Silurian to Devonian quartz-rich sedimentary rocks of the Eldon Group, a narrow belt of the Ordovician Gordon Limestone, Cambrian volcanogenic sedimentary rocks to the far east and the Meredith Granite to the north. The sedimentary stratigraphy is largely steeply dipping to vertical.

The Neoproterozoic Oonah Formation comprises mainly strongly deformed (characteristically isoclinally folded) thin to medium bedded quartz sandstone with carbonaceous siltstone, shale, and phyllite. A fault separates the Oonah Formation and younger Success Creek Group within EL21/2005. This fault is well exposed in road cuttings next to the Stanley River bridge where it comprises a graphitic mylonite zone in which the mylonitic fabric has been subsequently folded indicating a relatively early timing.

The Neoproterozoic – Early Cambrian Success Creek Group is not as conspicuously deformed as the Oonah Formation and consists of quartz sandstone, siltstone, shale, carbonate, conglomerate and tuff. Four formations are generally recognised in the Success Creek Group for a combined thickness of 950 m: a basal conglomerate with sandstone lenses, overlain by quartz sandstone with minor siltstone and conglomerate (Dalcoath Formation), then black mudstone, siltstone and minor quartz sandstone, and finally siliceous siltstone, red chert and mudstone with minor quartz sandstone, conglomerate and dolomite (Renison Bell Formation). Variations on this stratigraphy have been used in the Renison Bell mine area. Within EL21/2005, the Success Creek Group extends south eastwards from the foot of Mt Livingstone beneath Livingstone Creek, Stanley River and the southern foot of Mt Lindsay. Surface mapping and exploration drilling suggests the stratigraphic sequence comprises from southwest to northeast approximately 500 m of laminated to medium bedded quartz-wacke and dark grey siltstone correlated with Dalcoath Formation, overlain by c. 100 m of dolomite informally termed the Stanley dolomite, with minor quartz-wacke and siltstone and up to 50 m of polymict conglomerate with minor lithic sandstone and siltstone. The conglomeratic unit is overlain by a very poorly defined thickness of laminated to thin bedded reddish mudstone, siltstone and grey ?tuffaceous sandstone. The Stanley dolomite and overlying conglomerate can be assigned to the Renison Bell Formation, but it is currently unclear whether the overlying reddish mudstones are better assigned to the Red Rock Member of the Renison Bell Formation or the overlying

Crimson Creek Formation as there is no clearly identified lithological break within this material.

The Early Cambrian Crimson Creek Formation in the Mt Lindsay area comprises mainly thin to thick bedded dark green grey lithic sandstones, siltstones and mudstones with scattered horizons of laminated to thin bedded light grey, green and pink felsic to mafic tuffites and thin to thick bedded calcareous sandstones, and rare tholeiitic basalt flows. Total thickness in the Mt Lindsay area is estimated at c. 5000 m.

Significant deformation is recognised in both the Success Creek Group and Crimson Creek Formation with narrow zones of bedding-parallel isoclinal folding with an associated S0-parallel cleavage (S1), and a later generation of metre-scale gentle to open folds with north to north northeast striking axial planes and crenulation cleavage (S2). There is also evidence for extensive soft sedimentary deformation, especially within the lower Crimson Creek Formation.

The intrusive contact of the Meredith Granite dips away at a modest angle beneath the various sedimentary units, but in detail the granite margin is complicated by numerous irregular granitic dykes, shelves and apophyses which appear to stope the host meta-sedimentary and meta-igneous units. There are also large rafts of Crimson Creek and Success Creek rocks within the margins of the Meredith Granite. Preliminary interpretation suggests several phases of granite intrusion culminating in late stage quartz-tourmaline veining and the localised development of quartz-tourmaline "greisen".

5.2 Mineralisation

Seven potentially economic magnetite-tin-tungsten skarns are currently identified within the sedimentary rocks adjacent to the contact of the Meredith Granite, namely the Main, No1, No2, Waterhouse, Livingstone, Reward and Webbs Creek skarns. The former four skarns are hosted by calcareous sandstone horizons within the Crimson Creek Formation, the Livingstone and Reward skarns by dolomite in the Success Creek Group, and the Webbs Creek skarn by the Gordon Limestone (Figure 2). Carbonate horizons in the upper Success Creek Group and basal Crimson Formation also host the massive Renison Bell Tin deposit 15 km along strike to the southeast. The Gordon Limestone is host to the Kara magnetite-scheelite skarns adjacent to the Housetop Granite approximately 45 km directly northeast of Webbs Creek. There are also several exploration targets beyond these known skarns which have returned rock chips assays of up to 0.64% Sn and 47% Fe (e.g. the Waterhouse Zone). Potentially commercial minerals in the various skarns are cassiterite, scheelite, chalcopyrite, magnetite and hematite. Venture's exploration activities to date have been focussed identifying and defining zones of magnetite, cassiterite and/or scheelite mineralisation.

5.2.1 Mineralogy

Mineralogy and zoning is currently best understood for the Main and No2 skarns in which thin to medium bedded calcareous sandstone and mudstone has been

metamorphosed and metasomatised to calcite marble and early garnet-vesuvianite-pyroxene-calcite skarn, then overprinted by a series of vonsenite, amphibole, magnetite, pyrrhotite, pyrite, iron carbonate and biotite skarns. Minor to trace phases include ilvaite, fluorite, cassiterite, scheelite, chalcopyrite, arsenopyrite, potassium feldspar, quartz, titanite, ilmenite, danalite and axinite. The Main and No2 skarns are flanked by a range of very fine grained pyroxene, biotite, amphibole, magnetite, quartz and pyrrhotite hornfels or skarnoid.

Livingstone and Reward are magnesian skarns dominated by serpentine, olivine, vonsenite-ludwigite, magnetite and pyrrhotite, with a supergene goethite – hematite overprint to a depth of c. 150m beneath surface. Minor to trace phases currently identified include amphibole, phlogopite, biotite, garnet, pyroxene, siderite, calcite, chalcopyrite, arsenopyrite, titanite, fluorite, fluoborite, scheelite and cassiterite. Livingstone and Reward skarns are developed within a >80 m thick dolomite unit with minor packages of quartz-wacke, quartz-rich siltstone and polymict conglomerate; the skarns are typically flanked by olivine-serpentine marble with pyroxene and biotite hornfels developed in siliciclastic wall rocks.

Zoning is developed in all currently identified skarns on a scale of 10s to 100s of metres approximately perpendicular to the main granite contact, from proximal vonsenite-ludwigite and amphibole skarn, through magnetite, biotite, pyrrhotite and pyrite dominated skarns, siderite+quartz+potassium feldspar skarn, to distal garnet-vesuvianite-pyroxene (calcium carbonate protolith) and garnet and/or vesuvianite marble or olivine-serpentine skarn then olivine marble (dolomite protolith). Garnet-vesuvianite-pyroxene skarns also appear to be preferentially developed at the margins of the Main and No2 skarns, possibly reflecting greater impurity of the carbonate protolith. Temporal zoning is indicated by replacement textures, such as the widespread vesuvianite and amphibole pseudomorphs of early porphyroblastic garnet, serpentine pseudomorphs of olivine, acicular magnetite pseudomorphs of vonsenite-ludwigite needles, ilvaite corrosion of magnetite, quartz and siderite replacement of amphibole and vesuvianite, and biotite corrosion of cassiterite, siderite, quartz and potassium feldspar. Replacement of early anhydrous garnet-pyroxene skarn and hornfels by hydrous and boron rich phases is obvious, but much remains to be done to resolve the details of the temporal and spatial zoning.

Petrology and metallurgical test work indicate that cassiterite and vonsenite are the main tin phases in the Mt Lindsay, Livingstone and Stanley skarns. Cassiterite mineralisation is associated with a distinctive siderite+prismatic quartz+potassium feldspar+danalite stage of metasomatism best developed distal to the granite contact. Proximal skarn is characterised by an abundance of vonsenite-ludwigite which is commonly partly replaced by magnetite (a very distinctive acicular vonsenite+magnetite rock). Exploration drilling for Sn has been focussed on the cassiterite-rich parts of the skarns. Scheelite is by far the most significant tungsten mineral. Wolframite has been observed in trace amounts in metallurgical samples.

5.2.2 Geometry

The Main, No1 and No2 skarns strike east southeast (c. 120° MGA) away from contact with the Meredith Granite (Figures 2 & 3) and dip ranges from c. 75° NE to 65° SW (overturned). The granite contact and lower margin of mineralisation dips 10 - 40° to the

southeast beneath the Main, No1, and No2 skarns, and granite dykes flank the down dip parts so that they resemble pendulums or keels within the granite. The skarns are zoned approximately parallel to the granite contact, from proximal porphyroblastic amphibole-vonsenite-magnetite skarn after early garnet-pyroxene to distal siderite-quartz-feldspar skarn after garnet-pyroxene skarn and calcareous sandstone. Magnetite, tin and tungsten mineralisation is intermittently exposed at the surface through a thin (typically <1 m) humic regolith for at least 950 m along the Main Skarn, c. 750 m for the No2 Skarn and 40-50 m for the No1 Skarn, then the top of mineralisation plunges to the south east at 20-50° for at least a further 200-1200 m for all three bodies. Current drilling suggests that the plunge of the Main and No2 skarns steepens towards the southeast. True thickness of magnetite mineralization in the No2 Skarn averages 20-25 m and locally reaches up to 35 m. Magnetite and sulphide mineralization in the Main Zone is typically c. 15 m true, but thickens to c. 35 m and bifurcates into two 10-15 m thick zones at the western end of the skarn. Tin mineralisation is typically more widespread than magnetite such that the volume of tin mineralised skarn in the Main Skarn is almost double the volume of magnetite mineralised skarn. Calcsilicate and/or sulphide alteration typically extends well beyond the magnetite and tin mineralisation zone in all identified skarns so that total thickness reaches up to c. 80 m. Approximately 150-200 m of hard grey hornfels after siltstone and lithic sandstone separate the Main, No1 and No 2 skarns.

Clay zones extending up to 100 m depth beneath surface are locally present above and adjacent to the Main, No1 and No2 skarns. Magnetite skarn is relatively resistant to weathering, commonly persisting to surface within clay zones, while sulphide rich skarn has produced gossan. The clay zones are best developed above the down plunge extents of the known skarns and their identification is a useful feature in the exploration for concealed (blind) skarns. The deep weathering and regolith breccia development in wallrock is thought to have been enhanced by the breakdown of sulphides in the skarns during deep subtropical weathering in the Tertiary. Pleistocene erosion has probably removed most of the clay zones over the Main, No1 and No2 skarns on Mt Lindsay.

The No 1, Main and No 2 skarns are cut and offset approx. 55-60 m in a reverse sense by the southeast dipping Tulloch Fault. Several parallel faults of similar geometry are inferred from topographic and geophysical interpretation in the Mt Lindsay area. Aberfoyle's mapping of old drives in the adjacent Main Skarn indicates the Tulloch Fault in this area dips at c. 60° towards 160° MGA. Drilling indicates a shallower dip of c. 40-50° towards 160° MGA where Tulloch Fault cuts the No2 Skarn. A prominent aerial photograph lineament coinciding with the lower part of News Creek and offsetting the Stanley Reward skarn is interpreted to represent the extension of Tulloch Fault beyond Mt Lindsay. Three smaller, and at this stage poorly defined, faults with a few metres displacement are recognised in the hanging and footwall of the Tulloch Fault, including a strongly fractured splay informally called Natalie's Fault dipping c. 60° to 170° with about 5-10 m offset which cuts both the Main and No2 skarns. Tulloch and Natalie's faults appear to post-date mineralisation and are characterised by several metres of fractured rock with narrow bands of weakly cemented (with rhodocrosite and zeolite) to incoherent breccia and gouge zones scattered over a true thickness of 5-15 m.

Livingstone and Reward skarns strike southeast (c. 135-145° MGA), diverging gradually towards the southeast from the margin of the Meredith Granite (Figures 2 & 3). Livingstone

and Reward skarns are both exposed at their north western, up-plunge ends as banded and needle-textured hematitic gossans with strike extents of 100-300 m. At its south eastern end the Livingstone skarn has a near vertical keel geometry within the granite, then appears to roll over to dip 25-35° SW towards the north western up-plunge end to become a raft of skarn and hornfels within the granite. Current drilling indicates at least 800 m plunge extent for the Livingstone skarn, with a very gentle 5-20° SE plunge. The Reward skarn comprises up to three near-vertical lenses rolling over to dip modestly SW sub-parallel to the granite contact. Reward is currently open both northwest across a ridge of granite immediately west of the historic workings, and >300 m down plunge to the southeast. True thickness of vonsenite-magnetite skarn at Livingstone reaches 40-60 m, and Reward individual skarns are up to c. 10 m thick. Deep weathering has complicated Livingstone and Reward so that the skarns are partially to completely altered to hematite, goethite and ferruginous clays to a depth of at least 150 m beneath surface and the adjacent hornfels, sand and siltstones and granite are widely weathered to clay saprolite. Clay-supported wall rock breccia also locally flanks both Livingstone and Reward skarns.

The drilled skarns at Webbs Creek strikes west northwest and was interpreted by Renison to dip at a moderate angle (30-50°) south southwest. True thickness of the intersected magnetite-tin-tungsten mineralisation at Webbs Creek is 8-10 m immediately next to the Meredith Granite with a broader (c. 40 m?) calcsilicate-sulphide zone further from the granite contact. Clay saprolite and regolith breccias similar to those at Livingstone and Reward are also developed at Webbs Creek.

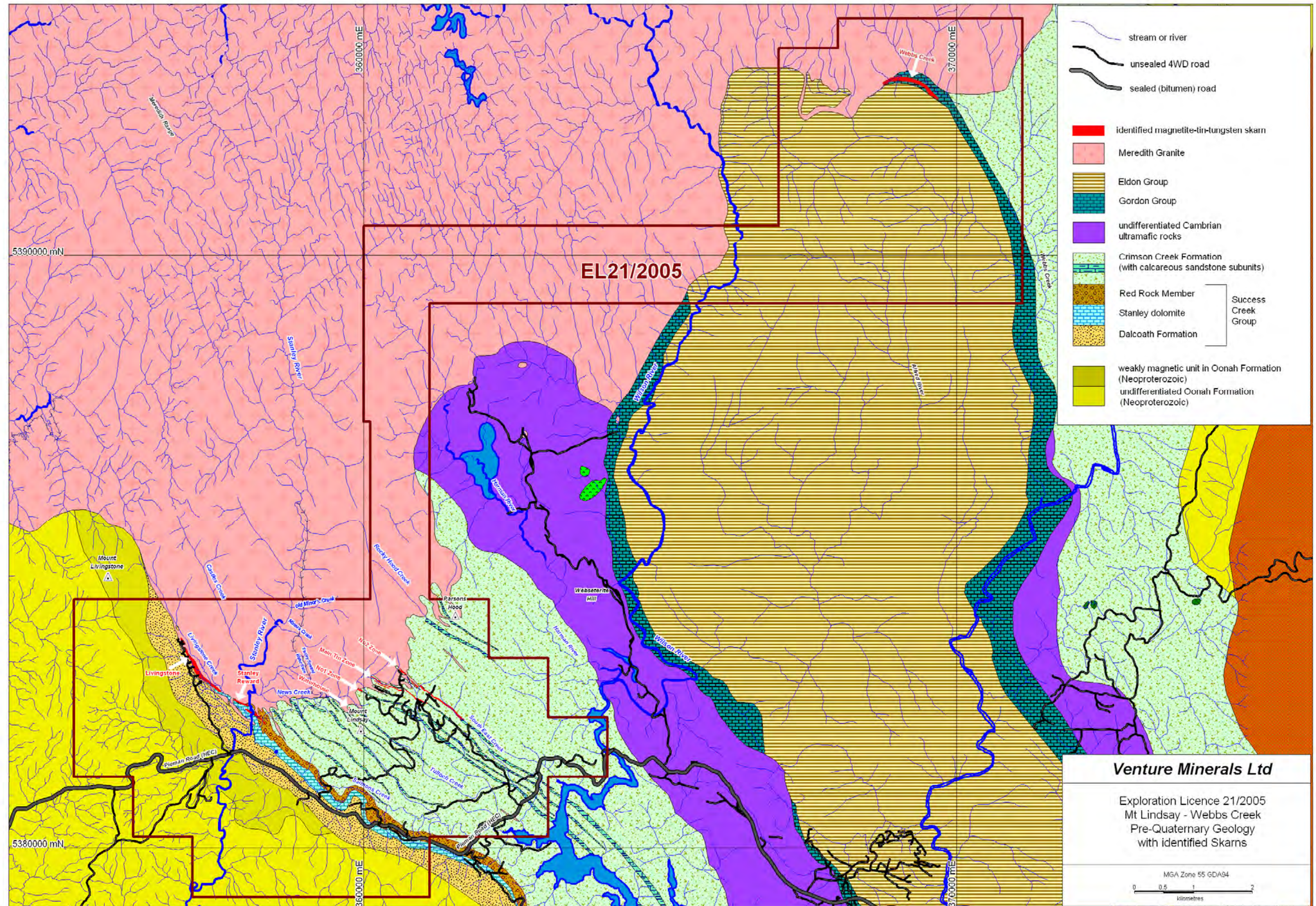


Figure 2: Project Geology

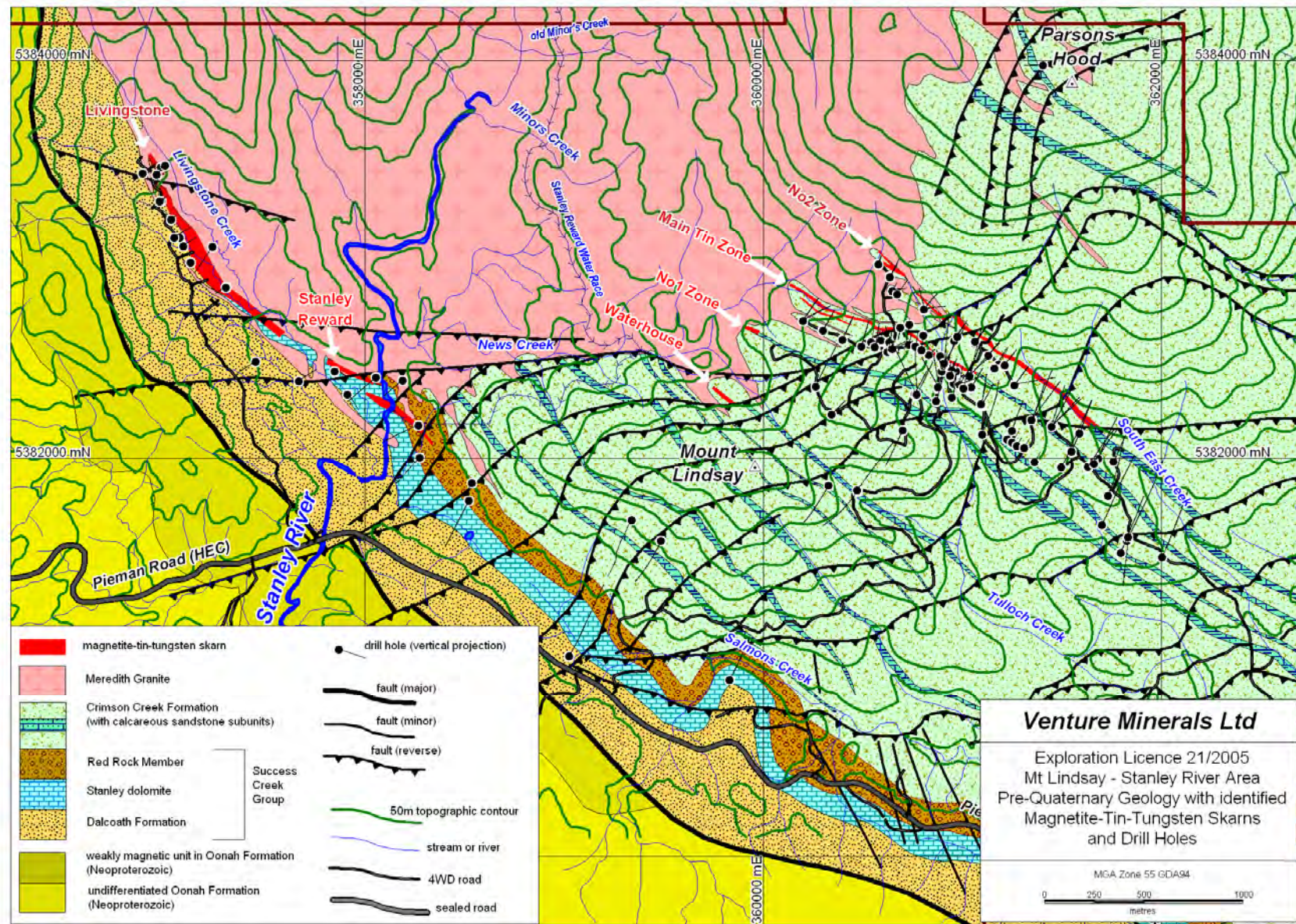


Figure 3. Mt Lindsay - Stanley River area Geology & Drill Holes

6 2009-2010 Anniversary Year Exploration Activities

Activities during the 2010 anniversary year included geological mapping, rock chip sampling, soil sampling, stream sediment sampling, 65 holes for 14,515 m of drilling (comprises 63 diamond drill holes for 14,154 m of core and 3 Reverse Circulation precollars for 361 m), earthworks associated with pad drill rig access, flora and fauna surveys, down hole and collar surveying, logging and assaying of drill core, XRD of selected drill core samples, metallurgical test work, resource estimation and prefeasibility scoping studies (mining and process design, financial modelling).

6.1 Geological Mapping and Rock Chip, Soil and Stream Sediment Sampling

Geological mapping and rock chip (14 samples), soil (363 samples) and stream sediment sampling continued intermittently throughout the 2010 anniversary year, focussing on targets on Parsons Hood and News Creek. Samples were submitted to the ALS Chemex ("ALS") for assay. Results are listed in Appendices A, B and C.

The 363 soil samples were collected over geophysical targets on Parsons Hood and News Creek. Samples were collected from a depth of 10-30 cm beneath the humus horizon at c. 20 m spacing along traverses spaced 100 m apart (almost perpendicular to stratigraphy and parallel to the historic Renison soil sample lines). Sample points were located by hand held GPS (Garmin GPS60CSx); lines were not cut. Preliminary analysis indicates presence of a 350 m long 100 ppm Sn anomaly on Parsons Hood which is at least partly coincident with W, B, As, Cu and spotty Be anomalism. Fragments of garnet skarn were sieved off the soil samples within and adjacent to the Parsons Hood Sn soil anomaly, and the coincidence of Sn and B anomalism suggests the presence of borate-rich skarn or hornfels.

6.2 Drilling

Some 63 diamond drill holes for 14,154 m of core and 3 Reverse Circulation precollars for 361 m were drilled within EL21/2005 during the 2010 tenement anniversary year. The drilling was undertaken by Van Dieman Holdings using Longyear 38, Longyear 44, AD900, and Diamac diamond coring rigs, Boart Longyear using a track mounted LM75 diamond coring rig, Gerald Spaulding Drillers using a track mounted KL800 multipurpose Reverse Circulation and diamond coring rig, and Edrill using a UDR200 diamond coring rig and a GMB2000 RC rig. Drilling activities were spread as follows:

- 18 diamond core drill holes for 4478 m targeting the No2 Skarn, mainly resource definition focussing on Sn & W rich zones, some extensional exploration;
- 14 diamond core drill holes for 3485 m targeting the Main Skarn, mainly resource definition focussing on Sn & W rich zones, some extensional exploration;
- 16 diamond core drill holes and 3 RC precollars for 2573 m targeting the Livingstone Skarn for a combination of resource definition and exploration;
- 6 diamond core drill holes for 1094 m targeting the Reward skarn, exploration drilling;

- 4 diamond core drill holes for 1055 m targeting the Waterhouse Skarn, exploration drilling;
- 5 diamond core drill holes for 1530 m targeting the No1 Skarn, exploration drilling.

Drilling access is largely via rejuvenated Renison and CSR 4WD roads with the addition of c. 5 km of roads by Venture, including approx. 1.5 km constructed during the 2010 tenement anniversary year. The programme has involved a combination of new drill pads and rejuvenated Renison drill pads. Up to two excavators were involved in access works, along with contract track cutters. Two rigs were mobilised by helicopter to drill the 7 diamond core holes at Reward. Access and drilling has been conducted in accordance with Mineral Resources Tasmania's Mineral Exploration Code of Practice. MRT personnel have conducted periodic inspections of the drilling activities.

Most of Venture's drilling has been focussed on extending and quantifying the extent of magnetite-tin-tungsten mineralisation within the No 2, Main and Livingstone skarns. Drill hole data for the 2010 anniversary period is given in Appendices D to G.

Further details covering current drilling survey control, topographic control, down hole surveying, sampling procedures, sample preparation and assaying procedures and assay quality control (QC) are given in the following sections.

Resource definition drilling is currently in progress on the Main, No2, Livingstone and Reward skarns focussing on the higher grade Sn and W zones.

6.3 Surveying

The grid convention used for Venture's work at Mt Lindsay is MGA Zone 55 GDA94 and AHD83 +2000 m for elevation. Historic exploration and drilling work by Aberfoyle and Renison was done on a local grid and collars were surveyed using a total station system. Several of the Renison and Aberfoyle collar pipes were relocated by Venture allowing transformation of the historic local grid plans and collar positions to MGA Zone 55 GDA94 coordinates.

Licensed surveyors Peacock, Darcey and Anderson Pty Ltd and Trigpoint Pty Ltd were contracted to survey Venture's drill collar positions and orientations to sub-metre xyz accuracy in MGA Zone 55 GDA94 using a Reflectorless Total Station tied into control points located by real time differential GPS. At this stage some drill collars at the Reward and Livingstone prospects have only been surveyed by handheld GPS; positional error is typically ± 10 m.

Venture drill holes were surveyed for plunge and magnetic azimuth by the drilling contractors on approx. 50 m intervals. Such plunge surveys were reliable, but significant azimuth deviation due to magnetic ground is a feature of most holes. Northern Exploration Pty Ltd had been previously contracted to periodically survey a proportion of Venture's drill holes with a north-seeking gyroinclinometer, but Northern Exploration went out of business in 2009. For Venture's drilling on the No. 2 Zone the gyroinclinometer showed a mean

azimuth and plunge deviation of 1.3° and 0.6° per 100 m respectively, and maximum azimuth and plunge deviations of 3.2° and 1.2° per 100 m. The gyroinclinometer showed plunge generally steepened down hole with no clear preference between clockwise and anticlockwise swing in the azimuth. Most recently a DeviFlex non-magnetic down hole survey tool has been hired from Downhole Surveys Pty Ltd and is currently being used to survey every Venture drill hole on or near completion. The DeviFlex tool is run inside the drilling tube and calculates bore hole deviation from curvature in the drill pipe from the known collar azimuth and plunge (as surveyed by Trigpoint).

Gyroinclinometer and DeviFlex orientations are given preference over magnetic tool orientations. Where magnetic interference is suspected in the historic drill holes the azimuth was interpolated or extrapolated from the nearest acceptable orientation.

6.4 Sampling and Assaying of Drill Core

Venture's drill core was logged and typically marked up in 2 m intervals for sampling continuously across the mineralised zones plus some of the adjacent barren wall rock. Where recovery was poor through an interval sampling was conducted on core run basis (generally 1.5 m or 3 m core runs) sample.

Fresh drill core (NQ and HQ) was cut lengthwise in approx. fifth, quarter or half by core saw at Venture's logging and storage shed in Tullah. Completely weathered (clay) core was half core sampled by knife, and partly weathered core (saprolite or saprock) was half core sampled using a combination of cold chisel and core saw.

A range of Fe, Sn and W standards were inserted at a rate of approximately 1 in every 20 Venture drilling samples. A blank comprising 500-1000 g of chunky silica "flour" was inserted at a rate of c. 1 in every 20 samples to track inter-sample contamination during sample preparation at the various assay laboratories.

Once cut the core samples were collected in calico bags labelled with a unique sample number for submission to ALS Chemex ("ALS") in Adelaide. If quick results were needed samples were first submitted to SGS Group's laboratory at the Renison Bell mine site ("SGS Renison") for assay of an abbreviated metal suite (typically Sn, WO₃, Fe, S, sometimes also As, Cu, Pb and Zn), then pulps and rejects were forwarded to ALS Chemex in Perth for assay of a broader suite of elements not possible at SGS Renison.

At SGS Renison the entire sample was crushed to -6 mm, then approximately 100 g was split off and pulverised to 80% passing 75 microns to produce the analytical pulp. A pressed powder disk was made from the pulp then Fe, Sn, W, S, As, Pb, and Zn was determined by XRF. Upon receipt of results Venture personnel retrieved the coarse rejects and pulps from SGS Renison for storage at Venture's Tullah facilities.

At ALS the samples were fine crushed to 70% passing 2 mm and split simultaneously through a rotary splitter set by weight to produce 100-200 g subsamples for pulverizing. The large -2 mm bulk residue was retained in the original calico bag, and the 100 g split

was pulverised to 85% passing 75 microns using an LM2 machine. ALS Chemex then air freighted the pulps to their laboratory in Perth for assay by XRF on fused glass beads and a variety of acid digestion techniques with ICP or MS finish. Core elements assayed are Fe, Sn and W, along with a suite of other elements which has been refined to suit the Mt Lindsay Project and currently comprise:

1) XRF on fused glass beads (ME-XRF12) for Si %, Al %, Fe %, Mg %, Mn %, Mo %, Ca %, Cl %, Na %, K %, Ti %, S %, Sn %, W %, P %, As ppm, Ba ppm, Co ppm, Cr ppm, Cu ppm, Pb ppm, U ppm, V ppm, and Zn ppm, plus separate LOI.

2) B by 3 acid digest in boron-free glass wear with ICP finish (B-ICP69)

3) Ag ppm, As ppm, Be ppm, Bi ppm, Cu ppm, Ni ppm, S %, Sb ppm, Sn ppm, and W ppm by 4 acid digest including HF with ICPAES finish and any over limit results rerun by ore grade methods (ME-ICP61+Sn).

Samples with significant magnetite (using a magnetic susceptibility threshold of c. 150×10^{-3} SI units) were also submitted to ALS for Davis Tube Recovery testing. Approx. 150 g was split from the selected assay coarse rejects and treated as follows:

Pulverising to give a nominal P80 sizing of 75 micron:

- 1) Pulverise the sample for 90 seconds in a ring pulveriser
- 2) Wet screen the sample at 75 microns and dry the products
- 3) Record the oversize weights
- 4) If less than 20 g of oversize is produced then a 150 g sample must be re-split and pulverised for a shorter time.
- 5) Dry and regrind the oversize for 4 seconds for every 5 g of sample oversize
- 6) Repeat the screening (dry) until less than 5gm is above 75 microns.
- 7) Filter press total sample, dry and homogenise.
- 8) Using a 3 decimal place balance, subsample the pulverised product to give a 20 g sample for DTR and use the remaining pulp for head grade assay by ME-XRF12 for LOI %, Si %, Al %, Fe %, Mg %, Mn %, Mo %, Ca %, Cl %, Na %, K %, Ti %, S %, Sn %, W %, P %, As ppm, Ba ppm, Co ppm, Cr ppm, Cu ppm, Ni ppm, Pb ppm, U ppm, V ppm, and Zn ppm.
- 9) Wash 20 g sample through Davis Tube, collect, dry, and weigh using a 3 decimal place balance, calculate mass recovery. Assay concentrate by ME-XRF12 for LOI %, Si %, Al %, Fe %, Mg %, Mn %, Mo %, Ca %, Cl %, Na %, K %, Ti %, S %, Sn %, W %, P %, As ppm, Ba ppm, Co ppm, Cr ppm, Cu ppm, Ni ppm, Pb ppm, U ppm, V ppm, and Zn ppm.

Pulveriser Bowl 150ml

Stroke Frequency 60/minute

Stroke length – 38mm

Magnetic field strength – 3000 gauss

Tube Angle – 45 degrees

Tube Diameter – 25mm

Water flow rate – 540ml/min

Washing time 15 minutes

The coarse rejects and pulps from both ALS & SGS Renison are returned for storage at Venture's Tullah facilities.

6.5 Resource Estimation, Metallurgical Testwork, Mining and Financial Studies

Current resources for the Main Skarn and No2 Skarn (combined) are 36 Mt at 0.20% Sn, 0.09% WO₃ and 20% Mass Recovery magnetic iron at a 0.20% Sn equivalent cut off. This includes 7.1 Mt at 0.42% Sn, 0.29% WO₃ and 19% Mass Recovery magnetic iron using a 0.45% Sn equivalent cut off (Appendix H). A resource update is in progress and, along with current metallurgical, geotechnical and hydrological studies, will form the basis of prefeasibility mining and financial studies due to be completed in the final quarter of 2010. This work will be reported on in due course.

6.6 Environmental Studies

Philip Milner, Wade Anthony and North Barker Pty Ltd were contracted to conduct flora and fauna and Tasmanian devil surveys respectively of areas at Mt Lindsay as part of the exploration approval process. The flora and fauna survey reports are included in Appendix I.

Rehabilitation activities during 2009 were restricted to the removal of RC sample bags from the Livingstone drill site and backfilling of unused sumps at the same site.

7 Conclusions and Recommendations

Exploration activities during the 2010 anniversary year within EL21/2005 focused on the delineation of the Main and No2 skarns (current combined resources 36 Mt at 0.20% Sn, 0.09% WO₃ and 20% Mass Recovery magnetic iron at a 0.20% Sn equivalent cut off), Livingstone and Reward skarns (currently pre-resource stage), and Waterhouse and No1 skarns (exploration stage). Resource definition drilling is currently in progress on the Main, No2, Livingstone and Reward skarns focussing on the higher grade Sn and W zones. Scoping studies in 2009-2010 confirm that mining of the Main and No2 skarns with an onsite process plant producing cassiterite, scheelite and magnetite concentrates should be commercially viable. The current resource definition programme is intended to provide the data needed for more detailed prefeasibility studies timetabled of the final quarter of 2010. The viability of the Mt Lindsay Project is also expected to benefit from more resources and exploration drilling is in progress on the No1 and Waterhouse skarns.

Soil sampling confirms the prospectivity of the skarn targets on Parsons Hood skarn targets. Helicopter supported drilling has been approved for Parsons Hood but a more detailed interpretation of the geochemistry, geophysics and geology is recommended to prioritise the proposed drilling.

Flora and fauna surveys did not identify any significant issues to the current level of exploration activities.

Activities currently in progress and recommended for the 2010-2011 anniversary year include:

- Complete current phase of infill drilling on the Main, No2, Livingstone and Reward skarns and update resource estimates;
- Complete prefeasibility metallurgical testwork, geotechnical study, mining studies, process design and financial studies;
- Continue geochemical, mineralogical and metallurgical characterisation of the currently identified resources and skarns;
- Continue exploratory drilling on the No1 and Waterhouse skarns;
- Continue soil sampling programme in the News Creek area, conduct detailed interpretation of geochemistry, geophysics and geology for the News Creek and Parsons Hood areas prior to drill testing;
- Conduct helicopter supported exploration drilling of the skarn targets on Parsons Hood and News Creek;
- Reconnaissance field inspection and sampling of the Wilson River and Webbs Creek skarns.

The outcome of the prefeasibility work due for completion in the final quarter of 2010 will have a significant impact on the nature and scope of activities during 2010-2011.

8 Bibliography

Allen, D. V., 1923. Notes on Lindsay Reward Tin Mine, Western Tasmania. Proceedings of the Australian Institute of Mining and Metallurgy. New Series no. 51. p. 47-51. (MRT Report No. 23-0029).

Allegiance Mining NL, 2005. Avebury Mine Area Resources. ASX Announcement 9 November 2005 by Allegiance Mining NL.

Brown, A. V., 1986. Geology of the Dundas – Mt Lindsay – Mt Youngback region. Tasmania Department of Mines. Geological Survey Bulletin 62.

Couper, J. K., 1964. Interim report on Mt Lindsay prospect, Zeehan, Tasmania. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR64-0386).

Couper, J. K., 1964. Geological report of Stanley River area, Mt Lindsay Prospect, Schedule 6b-1964. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR64-0376).

Ellis, P. D. 1982. Exploration progress report EL53/70, Stanley River, West Tasmania, period ending 10th June 1982. EMR 111/82. Unpublished report for CSR Ltd – Minerals Division Exploration Group, available from Mineral Resources Tasmania (TCR82-1804).

Ellis, P. D. 1982. Exploration progress report EL53/70, Stanley River, West Tasmania, period ending 10th November 1982. EMR 160/82. Unpublished report for CSR Ltd – Minerals Division Exploration Group, available from Mineral Resources Tasmania (TCR82-1874).

Eshuys, E., & Etheridge, M., 1968. Report on the Mt Lindsay area, Tasmania (Summer Programme 1967/68). Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR68-0499).

Gibson, B. G. 1984. Stanley Reward tin prospect EL53/70, Western Tasmania. Bulletin 134, Addendum 3. Unpublished report for Gencor (Australia) Pty Ltd, available from Mineral Resources Tasmania (TCR84-2290).

Howland-Rose, A. W., 1975. Report on an electrical induced polarization survey over the Mt Livingstone Prospect near Renison Bell, West Coast Tasmania on behalf of Pacminex Pty Limited. Unpublished report for Pacminex Pty Ltd, available from Mineral Resources Tasmania (TCR74-1073).

Irving, J. T., 1971. Report on Exploration Licence 53/70. Stanley River, Tasmania. Unpublished report for Valley Exploration Pty Ltd, available from Mineral Resources Tasmania (TCR71-0816).

Irving, J. T., 1972. Valley Exploration Pty Ltd. EL53/70 Stanley River area, Tasmania. Unpublished report for Valley Exploration Pty Ltd, available from Mineral Resources Tasmania (TCR72-0913).

Jessup, A., 1969. Report on the summer exploration programme undertaken at Mt Lindsay Tasmania, 1968-1969. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR69-0600).

Jessup, A., 1969. Review of summer exploration program undertaken in EL3/63, West Coast, Tasmania, 1968-1969. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR69-0601).

Jordan, M., 1970. Report on the summer exploration program undertaken at Mt Lindsay and in the Stanley River area 1969-1970. Unpublished report for the Paringa Mining and Exploration Company Limited, available from Mineral Resources Tasmania (TCR70-0626).

King, D. Report on the tin resources of Tasmania. Utah Development Company, report available from Mineral Resources Tasmania (TCR63-0364).

Kitto, P. A., 1992. The geological and structural controls on mineralisation at the Renison Bell tin mine. Tasmania Department of Mines. Geological Survey Bulletin 70, p97-117.

Komyshan, P., 1985. EL2/63 and EL17/77 Mt Lindsay and Wilson River areas Annual Report 1984-85. Unpublished report for Gold Fields Exploration Pty Ltd, available from Mineral Resources Tasmania (TCR85-2406).

Kwak, T. A. P., 1982. The geology and geochemistry of the zoned, Sn-W-F-Be skarns at Mt Lindsay, Tasmania, Australia. Unpublished report available from Mineral Resources Tasmania (TCR82-1805).

Macnamara, P. M., 1974. Progress report of exploration and drilling to May 1974 on EL53/70, Tasmania. PMR 60/74. Unpublished report for Pacminex Pty Ltd, available from Mineral Resources Tasmania (TCR74-1014).

Macnamara, P. M., 1976. Geochemical testing of airborne EM anomalies EL53/70 Stanley River, Tasmania. PMR 196/76. Unpublished report for Pacminex Pty Ltd, available from Mineral Resources Tasmania (TCR76-1186).

Macnamara, P. M., 1977. Stanley Reward: EL53/70 West Tasmania report on exploration 1975-1977 (drilling, geochemical and magnetic surveys). PMR 153/77. Unpublished report for Pacminex Pty Ltd, available from Mineral Resources Tasmania (TCR77-1227).

Macnamara, P. M., 1977. Stanley Reward: EL53/70 grid soil geochemistry 1975-1977. PMR 168/77. Unpublished report for Pacminex Pty Ltd, available from Mineral Resources Tasmania (TCR77-1241).

Macnamara, P. M., 1978. Stanley Reward drilling - 1978 EL53/70 Stanley River, West Tasmania. PMR 97/78. Unpublished report for Pacminex Pty Ltd, available from Mineral Resources Tasmania (TCR78-1311).

Macnamara, P. M., 1978. Geochemical sampling 1978, EL53/70 Stanley River, West Tasmania. PMR 103/78. Unpublished report for Pacminex Pty Ltd, available from Mineral Resources Tasmania (TCR78-1315).

Macnamara, P. M., 1980. Anomalous geochemical and geophysical target zones: Stanley Reward grid EL53/70 Stanley River, West Tasmania. EMR 59/80. Unpublished report for CSR Ltd – Minerals Division Exploration Group, available from Mineral Resources Tasmania (TCR80-1471).

Macnamara, P. M., 1980. Drilling and geochemical sampling, Stanley Reward grid, EL53/70 Stanley River, West Tasmania. EMR 87/80. Unpublished report for CSR Ltd – Minerals Division Exploration Group, available from Mineral Resources Tasmania (TCR81-1554).

Martin, L. A., 1981. EL2/63 Mt Lindsay area, western Tasmania 1981-1982 Annual Report. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR81-1568).

Martin, L. A., 1982. EL2/63 Mt Lindsay area, western Tasmania 1981-1982 Annual Report. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR82-1797).

Moore, B. R., 1987. Fracture and mineralisation study, Mt Livingstone area, Tasmania, Australia. Unpublished report by Geo-Flite Research Pty Ltd Macleod Mining and Exploration Pty Ltd, available from Mineral Resources Tasmania (TCR87-2724).

Morton, J. L., 1963. Progress report no. 8 of Mt Lindsay tin prospect, Zeehan, Tasmania. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR63-0361).

Morton, J. L., 1963. Progress report no. 9 of Mt Lindsay tin prospect, Zeehan, Tasmania. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR63-0365).

Morton, J. L., 1964. Review of Mt Lindsay diamond drilling and reconnaissance programme as at 19.3.1964, Zeehan - Corrina, Tasmania. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR64-0368).

Morton, J. L., & Couper, J. K., 1964. Review of Mt Lindsay prospect at completion of second diamond drilling program, Zeehan, Tasmania. Report No. 3. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR64-0377).

Newnham, L. A., 1973. EL2/63 Mt Lindsay area, Western Tasmania. Interpretation of a helicopter borne magnetic survey in the Renison Bell area (Tasmania). Extracted directly from a report by G. Omnes of Compagnie Generale De Geophysique dated 4th August 1973. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR73-0969).

Newnham, L. A., 1975. A Lower Cambrian marker sequence in the Renison – Mt Lindsay area. Paper presented at the geological Society of Australia, Tasmania Division, West Coast Symposium on Lower Palaeozoic Geology of Western Tasmania, September 1975.

Newnham, L. A., 1975. EL2/63 and EL18/73, Mt Lindsay area, Western Tasmania, Annual Report 1974-75. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR75-1120).

Newnham, L. A., 1975. Mt Lindsay area (EL2/63 and EL18/73) diamond drilling proposal summer 1975-76. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR75-1127).

Newnham, L. A., 1999. EL22/98 Meredith Range Annual Report for the period ending November 1999. Unpublished report for Goldstream Mining NL, available from Mineral Resources Tasmania (TCR99-4406).

Newnham, L. A., & Schellekens, R. R., 1973. EL2/63 Mt Lindsay – Western Tasmania. Annual Report. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR73-0962).

Newnham, L. A., & Schellekens, R. R., 1974. EL2/63 and EL18/73, Mt Lindsay area, Western Tasmania, Annual Report 1973-74. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR74-1038).

Newnham, L. A., & Schellekens, R. R., 1978. Annual Report 1977-78 Mt Lindsay (EL2/63) and Stanley (EL18/73) areas. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR78-1280).

Owen, S., 2008. Mt Lindsay Project. Exploration Licence 21/2005. Annual Technical Report for the period 22/7/2007 to 22/7/2008. Venture Minerals Ltd. Unpublished report for Mineral Resources Tasmania.

Owen, S., 2009. Mt Lindsay Project. Exploration Licence 21/2005. Annual Technical Report for the period 22/7/2008 to 22/7/2009. Venture Minerals Ltd. Unpublished report for Mineral Resources Tasmania.

Pearson, H. F., 1952. Report on the Mt Lindsay Tin Mine near Zeehan, Tasmania. Unpublished report held by Mineral Resources Tasmania, written at latest 1952 (MRT Report No. 61-0337).

Reid, A. MacKintosh, 1927. Preliminary report on the Mt Lindsay tin mine. Department of Mines, Tasmania, report available from Mineral Resources Tasmania (UR1927A p50-60).

Ransom, D. M., & Wilson, J. L., 1966. Report on the regional geology, summer 1965-1966 (Waratah, Mt Cleveland, Mt Lindsay). Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR66-0425).

Roberts, P. A., & Cartwright, A. J., 1983. EL2/63 Mt Lindsay area, Annual Report 1982-83. Unpublished report for Gold Fields Exploration Pty Ltd, available from Mineral Resources Tasmania (TCR83-2048).

Roberts, P. A., 1984. EL2/63 Mt Lindsay area, Annual Report 1983-84. Unpublished report for Gold Fields Exploration Pty Ltd, available from Mineral Resources Tasmania (TCR84-2202).

Ross, A. F., 1976. EL2/63 and EL18/73 Mt Lindsay area, Western Tasmania, Annual Report 1975-76. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR76-1164).

Ross, A. F., 1977. EL2/63 and EL18/73 Mt Lindsay area, Western Tasmania, Annual Report 1976-77. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR77-1210).

Ross, A. F., 1980. EL2/63 Mt Lindsay area, Western Tasmania, Annual Report 1979-80. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR80-1507).

Schellekens, R. R., 1979. Annual Report 1978-79 Mt Lindsay (EL2/63) and Stanley River (EL18/73) areas, Western Tasmania. Unpublished report for Renison Ltd, available from Mineral Resources Tasmania (TCR79-1381).

Sloggett, T. M., 1988. Co-relation of previous exploration reports to fracture and mineralisation study as undertaken by Geo-Flight Research Pty Ltd in respect of Exploration Licence 53/70. Unpublished report by T. M. Sloggett and Associates for Mr B. T. Irving, available from Mineral Resources Tasmania (TCR88-2821).

Sloggett, T. M., 1988. The Livingstone Creek tin gossans EL53/70, vicinity of Mt Livingstone, north west Tasmania. Unpublished report by T. M. Sloggett and Associates for Mr B. T. Irving, available from Mineral Resources Tasmania (TCR88-2848).

Sloggett, T. M., 1988. Proposed application for Mining Lease. Unpublished application with supporting documentation on behalf of Mr B. T. Irving by T. M. Sloggett and Associates, available from Mineral Resources Tasmania (TCR88-2897).

Taylor, B. L., 1954. Progress report on the north Pieman mineral area. Report to the Director of Mines, Hobart, available from Mineral Resources Tasmania (TCR55-0121).

Tester, D. K., 1972. The Mt Lindsay area, Tasmania. A summary of exploration activities undertaken by the Aberfoyle Group from 1962 until 1970. Unpublished report for the Aberfoyle Tin Development Partnership, available from Mineral Resources Tasmania (TCR70-675)

Waterhouse, L. L., 1914. The Stanley River Tin Field. Tasmania Department of Mines. Geological Survey Bulletin 15.

Winnall, N. J., 1983. Annual Report Stanley Reward tin prospect, EL53/70, Western Tasmania. Unpublished report for Union Corporation (Australia) Pty Ltd, available from Mineral Resources Tasmania (TCR83-2050).

Zimmerman, D., 1973. Geological review of EL53/70 Stanley River area, Western Tasmania and proposal and cost estimate for further exploration. Unpublished report by Contech Pty Ltd for Valley Exploration (Holdings) Pty Ltd, available from Mineral Resources Tasmania (TCR73-0943).

Appendix A

Soil Sample Locations and Assays

Appendix A: Soil Sample Locations and Assays

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Appendix A: Soil Sample Locations and Assays

H1000 H1001	Sample	Prospect	E MGA55 metres	N MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
D	NCS014	News Creek	359312	5382253	no clods. Angular, platy rock framgents ≤3.5cm, including mt-bearing ST + SST	AD10081198	8/07/2010	-0.0005	0.0006	-0.0013	0.98	15.4	40	50	0.64	0.7	256	130	57	63.4	25.4	4.9
D	NCS015	News Creek	359321	5382270	soil- and root-coated, angular, ww SST fragmetns. No clods	AD10081198	8/07/2010	-0.0005	0.00059	-0.0013	1.08	11.4	50	40	0.51	0.52	251	119	49.8	57.2	23.4	6.9
D	NCS016	News Creek	359331	5382288	hard clods ≤1cm. Some angular rock fragments ≤1cm. Several root fragments	AD10081198	8/07/2010	-0.0005	0.00051	0.0013	0.94	9.3	60	40	0.51	0.46	226	99.2	44.2	45.8	24	11.8
D	NCS017	News Creek	359341	5382305	no clods. Soil- and organic-covered angular, ww, bt-altered rock fragments	AD10081198	8/07/2010	-0.0005	0.00068	-0.0013	1.01	8.9	10	40	0.54	0.44	233	110	47.8	51.3	23.1	13.1
D	NCS018	News Creek	359350	5382323	no clods. Platy, sub-rounded - angular mw rock fragments	AD10081198	8/07/2010	0.0011	0.00067	0.0013	1.11	7.1	20	30	0.57	0.39	301	112	40.3	51.7	19.2	4.5
D	NCS019	News Creek	359360	5382340	ww, soil-covered, subrounded SSst fragment = 6cm. No organics	AD10081198	8/07/2010	0.0009	0.00057	0.0013	1.14	6.1	20	30	0.63	0.35	293	115	34.7	55	21.2	8.1
D	NCS020	News Creek	359369	5382358	no clods. One soil covered angular rock fragment = 10cm. Trace organics adhering to it.	AD10081198	8/07/2010	-0.0005	0.00064	-0.0013	1.21	9.8	20	70	0.7	0.45	196	104	37.8	49.1	17.7	16.1
D	NCS021	News Creek	359698	5382282	hard clods ≤4cm. Numerous ≤0.5cm angular rock fragments. Trace organics.	AD10081198	8/07/2010	-0.0005	0.00076	0.0013	1.44	13.1	40	40	0.41	0.6	306	87.8	23.6	32.6	15.9	13.1
D	NCS022	News Creek	359707	5382300	hard rock-supported clods ≤2cm. Irregular rock fragments of rd-bn he-lm	AD10081198	8/07/2010	-0.0005	0.00054	0.0013	1.29	10.9	50	40	0.46	0.46	262	91.1	23.5	36.3	17.9	14.3
D	NCS023	News Creek	359716	5382318	hard clods ≤2cm. Numerous rock fragments ≤3cm, most ≤0.5cm	AD10081198	8/07/2010	0.0006	0.00059	0.0013	1.43	9.6	50	50	0.42	0.44	236	84.6	24.8	43.6	16	14.9
D	NCS024	News Creek	359725	5382336	hard clods = 5cm. Numerous ≤0.5cm angular rock fragments. Trace organics.	AD10081198	8/07/2010	0.0006	0.00065	0.0013	1.59	11.8	50	30	0.37	0.45	316	87.4	18.2	34.7	12.4	10.5
D	NCS025	News Creek	359734	5382353	crumbly, organic-bearing clods ≤3cm. No rock fragments.	AD10081198	8/07/2010	-0.0005	0.00066	0.0013	1.46	12	50	30	0.39	0.48	313	89	17.2	34	13.8	9.5
D	NCS026	News Creek	359743	5382371	soft, root-bearing clods ≤4cm. Numerous rock fragments ≤0.5m. Numerous organics	AD10081198	8/07/2010	0.0008	0.00077	0.0025	1.54	12	60	30	0.34	0.57	299	89.3	18	33.5	12.8	10.5
D	NCS027	News Creek	359752	5382389	numerous root fragments in soil	AD10081198	8/07/2010	0.0209	0.0205	0.0013	1.28	155	100	30	1.1	9.72	332	128	16.9	48.9	16.9	15.8
D	NCS028	News Creek	359761	5382407	mod. Hard but crumbly root-bearing clods ≤3cm. Numerous angulr rock fragments ≤1cm + roots.	AD10081198	8/07/2010	0.0151	0.015	0.0013	1.36	127	90	30	0.85	7.52	353	108.5	17.8	42.4	14.3	13.6
D	NCS029	News Creek	359770	5382425	soft, crumbly, root-bearing clod. Numerous organics and no rock fragments	AD10081198	8/07/2010	0.0026	0.00111	0.0025	1.24	34.1	200	20	0.69	1.32	127	63.1	15.7	22	11.5	16.2
D	NCS030	News Creek	359779	5382443	soft, crumbly, sandy clods bearing shiny qz grains and roots. No rock fragments	AD10081198	8/07/2010	0.0033	0.00098	0.0013	1.01	14.4	310	10	1.02	0.74	74	48.6	18.6	14.7	9.1	24.8
D	NCS031	News Creek	359788	5382461	no clods. Soil-coated angular ZGRS fragments ≤1cm	AD10081198	8/07/2010	0.0024	0.00083	0.0013	0.67	6.6	560	10	1.12	0.47	25	23.6	24.6	5.7	5.5	17.4
D	NCS032	News Creek	359797	5382478	soft, sandy, crumbly clods bearing qz-ZGRS granules. Numerous angular qz gravel ≤0.5cm. Several loose organics	AD10081198	8/07/2010	0.0031	0.00085	0.0013	0.83	4.7	350	10	1.05	0.66	22	25.4	26.4	5.8	6.5	19.8
D	NCS033	News Creek	359806	5382496	no clods. Subrounded ZGRS ≤5cm	AD10081198	8/07/2010	0.0134	0.00126	0.0025	0.5	10	380	40	1.84	0.37	45	41.2	24.8	22	10.6	57.9
D	NCS034	News Creek	359803	5382261	crumbly organic- and pebble-bearing clods ≤3cm. Angular, platy or elongate rock fragments ≤3.5cm	AD10081198	8/07/2010	-0.0005	0.0005	-0.0013	1	11	40	30	0.39	0.39	223	81.5	20.1	46.5	15.7	10
D	NCS035	News Creek	359811	5382279	hard, granule-bearing clod + angular rock fragments of ivfg tu in fp→cy? Trace organics	AD10081198	8/07/2010	-0.0005	0.00061	0.0013	1.4	15.2	20	30	0.47	0.48	490	112	19.5	57.6	15	7.7
D	NCS036	News Creek	359820	5382297	hard, irregular clods ≤2cm. Some mw rock fragments ≤1cm. No organics	AD10081198	8/07/2010	0.0009	0.00081	0.0013	1.26	18.5	20	30	0.51	0.71	367	125	20.6	50.4	14.7	11.3
D	NCS037	News Creek	359828	5382316	mod. Hard root-bearing clods ≤2cm. Numerous angular ww rock fragments ≤1.5cm	AD10081198	8/07/2010	-0.0005	0.00073	0.0013	1.31	17.3	40	30	0.43	0.73	319	108	22.4	40.9	15.3	12.3
D	NCS038	News Creek	359836	5382334	hard, root-bearing clods ≤2.5cm. No rock fragments or loose organics	AD10081198	8/07/2010	0.001	0.00064	0.0013	1.32	18.5	40	30	0.47	0.83	275	92	20.6	40.6	14.7	12.3
D	NCS039	News Creek	359845	5382352	hard, root-bearing clods ≤2.5cm. No rock fragments or loose organics	AD10081198	8/07/2010	-0.0005	0.00061	0.0013	1.5	23.8	70	30	0.55	1.04	246	91.4	19.8	41.4	13.3	11.7
D	NCS040	News Creek	359853	5382370	smushy, root-bound clods. No rocks	AD10081198	8/07/2010	0.0011	0.00096	0.0013	1.47	27.1	60	30	0.49	1.37	239	87	16.9	34.6	13	10.9
D	NCS041	News Creek	359861	5382388	soft, root-bearing clods ≤2cm. No rock fragments	AD10081198	8/07/2010	-0.0005	0.00146	0.0013	1.31	36.1	90	30	0.63	1.72	270	92.5	17.5	37.8	12.9	11.5
D	NCS042	News Creek	359870	5382406	soil-covered ZGRS and SST fragments ≤5cm	AD10081198	8/07/2010	-0.0005	0.00095	0.0013	0.96	20.5	80	90	2.68	0.99	153	86.6	28.9	57.1	17.8	18.8
D	NCS043	News Creek	359878	5382425	sandy soil-covered angular ZGRS fragments ≤2.5cm	AD10081198	8/07/2010	-0.0005	0.00041	0.0013	0.29	5.5	510	40	1.78	0.24	13	20.3	28.6	25.3	9.4	71
D	NCS044	News Creek	359886	5382443	soft, root-bound, sandy clods. Several qz-ZGRS fragments ≤0.5cm and numerous organics.	AD10081198	8/07/2010	0.0005	0.00058	0.0013	0.79	16.9	190	20	1.06	0.83	32	50.4	13.9	27.5	14	71.1
D	NCS045	News Creek	359895	5382461	smushy, root-bound clod = 4cm	AD10081198	8/07/2010	0.0005	0.00016	-0.0013	0.16	3.1	140	20	0.26	0.18	-5	13.8	2.4	9.6	18	7.9

Appendix A: Soil Sample Locations and Assays

H1000 H1001	Sample	Prospect	E. MGA55 metres	N. MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
D	NCS046	News Creek	359903	5382479	crumbly root-bound clods ≤1cm. Loose organics. No rocks	AD10081198	8/07/2010	0.0005	0.00077	0.0013	0.7	17.3	130	40	0.79	0.31	28	40.1	13.9	20.1	15.6	78
D	NCS047	News Creek	359916	5382262	hard lclods ≤3.5cm. Ww angular and elongate rock fragments ≤2cm	AD10081198	8/07/2010	-0.0005	0.00056	-0.0013	1.16	18.2	30	30	0.43	0.58	323	94.9	21.7	60.3	15.2	10.5
D	NCS048	News Creek	359924	5382281	hard, sub-angular clods formed around rock fragments ≤2cm. Platy, angular rock fragments ≤3cm.	AD10081198	8/07/2010	0.0008	0.0006	-0.0013	1.11	17.2	30	30	0.37	0.58	311	91.5	18.4	53.7	14	9.3
D	NCS049	News Creek	359931	5382299	hard, root- and pebble-bearing clods ≤2cm. Numerous angular rock fragments ≤1.5cm and numerous root fragments	AD10081198	8/07/2010	0.0018	0.00088	-0.0013	1.21	18.8	20	30	0.42	0.72	290	96.6	20	56.3	14.8	10.2
D	NCS050	News Creek	359939	5382318	crumbly, root-bearing clods ≤4cm. Several angular rock fragments + qz ≤2cm	AD10081198	8/07/2010	0.0013	0.00109	0.0013	0.99	21.5	20	20	0.63	0.71	230	82.4	14.3	39.8	13.7	9.2
D	NCS051	News Creek	359946	5382336	mod. Hard clods ≤1cm. Numerous angular, platy rock fragments ≤4cm but most ≤1cm. Trace organics	AD10081198	8/07/2010	0.0017	0.00175	0.0025	1.01	46.1	60	40	1.32	3.07	288	130.5	30.4	63.3	14.2	13.4
D	NCS052	News Creek	359954	5382355	hard, rock-bearing clods ≤2cm. Minor angular qz fragments ≤2cm	AD10081198	8/07/2010	-0.0005	0.00055	0.0013	1.21	28.9	30	30	0.67	0.46	234	103	20.2	50.9	13.5	13
D	NCS053	News Creek	359961	5382373	hard, rock-cored clods ≤3.5cm. Numerous ww angular rock fragments ≤2cm	AD10081198	8/07/2010	-0.0005	0.0007	0.0025	1.69	78.9	30	40	0.69	0.43	264	124	22.5	62.7	15.6	21.9
D	NCS054	News Creek	359969	5382392	soft, powdery clods ≤1cm. Angular, mw rock fragments ≤1cm	AD10081198	8/07/2010	0.0006	0.00059	0.0013	1.44	6.5	60	30	0.45	0.3	145	71	17.5	27.7	11.9	12.5
D	NCS055	News Creek	359976	5382410	hard, root-bearing clods ≤2.5cm. Numerous angular granules ≤0.5cm and numerous root fragments	AD10081198	8/07/2010	-0.0005	0.00051	0.0013	1.05	6.7	30	30	0.6	0.22	141	88.7	24.4	32.7	14.8	11
D	NCS056	News Creek	360020	5382192	hard, organic-bearing clods ≤2cm. Angular, elongate rock fragments ≤2.5cm	AD10081198	8/07/2010	-0.0005	0.0006	0.0013	1.1	12.4	20	40	0.5	0.58	268	92.4	24.4	59	18	10.8
D	NCS057	News Creek	360028	5382210	hard clods ≤1.5cm. Angular, platy rock fragments ≤5cm	AD10081198	8/07/2010	-0.0005	0.00067	0.0013	1.25	25.9	40	40	0.5	0.54	321	106	20	57.9	18.6	10.7
D	NCS058	News Creek	360036	5382229	rock-centered clods ≤6cm w/ trace organics	AD10081198	8/07/2010	0.0034	0.00317	-0.0013	0.76	65.2	60	60	2.33	2.61	194	165.5	18.3	62.8	17.2	13.1
D	NCS059	News Creek	360044	5382247	crumbly, root-bearing clods ≤2cm. A few angular rock fragments ≤2cm	AD10081198	8/07/2010	0.0005	0.00074	0.0025	0.96	14	70	30	0.85	0.62	277	105	32.9	52.1	11	11.6
D	NCS060	News Creek	360052	5382265	no clods. Soil-coated, platy, angular-subrounded rock fragments ≤4cm	AD10081198	8/07/2010	-0.0005	0.00076	0.0013	1	10.4	80	20	0.63	0.27	248	117	42.2	58.7	11.9	2
D	NCS061	News Creek	360061	5382283	no clods. Angular and platy rock fragments ≤2.5cm	AD10081198	8/07/2010	-0.0005	0.00064	0.0013	1.02	9.1	80	40	0.76	0.43	267	102	34.3	64.1	10.8	11.5
D	NCS062	News Creek	360069	5382302	no clods. Angular rock fragments ≤3cm	AD10081198	8/07/2010	-0.0005	0.00035	-0.0013	0.68	8.1	90	40	0.52	0.31	118	75.1	23.3	40.5	13.4	10.2
D	NCS063	News Creek	360077	5382320	hard, root-bearing clods ≤2cm. Minor organics. No rocks.	AD10081198	8/07/2010	-0.0005	0.00048	0.0013	1.12	12.8	80	30	0.53	0.49	289	84.2	23	50.9	14.8	11.4
D	NCS064	News Creek	360085	5382338	mod. Hard clods ≤3cm. Angular, platy fragment of ww SST = 5cm	AD10081198	8/07/2010	-0.0005	0.00056	0.0013	1.15	9.5	70	30	0.68	0.53	410	97.6	27.3	57.1	14.7	9.6
D	NCS065	News Creek	360093	5382357	mod. Hard root-bearing clods ≤2cm. Numerous angular ww rock fragments ≤2cm	AD10081198	8/07/2010	-0.0005	0.00056	0.0013	1.05	9.8	10	30	0.74	0.49	299	115.5	40.3	55.8	13.7	13.7
D	PHS001	Parsons Hood	361192	5383617		AD10049744	10/05/2010	-0.0005	0.00069	0.0013	2.18	13.2	50	100	0.94	0.52	180	63.2	39.7	50	15.9	26.3
D	PHS002	Parsons Hood	361200	5383635		AD10049744	10/05/2010	0.0008	0.00059	0.0013	1.41	15.1	60	150	1.03	0.47	117	56.9	35.3	43.2	18.8	37.5
D	PHS003	Parsons Hood	361208	5383654		AD10049744	10/05/2010	0.0007	0.00064	0.0013	1.39	12.2	90	110	0.78	0.36	136	48.1	23	40.7	14.8	25.6
D	PHS004	Parsons Hood	361216	5383672		AD10049744	10/05/2010	0.0005	0.00069	0.0013	1.77	6.9	40	90	0.56	0.33	176	65.8	23.6	60.4	12.7	18.7
D	PHS005	Parsons Hood	361225	5383690		AD10049744	10/05/2010	0.0013	0.00163	0.0013	1.49	44.7	40	70	1.11	1.52	231	66.2	32.9	73.2	10.8	19.6
D	PHS006	Parsons Hood	361233	5383708		AD10049744	10/05/2010	0.0013	0.00173	-0.0013	1.25	45.2	60	60	1.39	1.63	203	60.9	30.1	64	12.2	17.8
D	PHS007	Parsons Hood	361241	5383727		AD10049744	10/05/2010	0.0022	0.00215	0.0013	1.48	69.5	60	60	1.43	1.78	258	71.1	33.4	75.6	10.3	16.3
D	PHS008	Parsons Hood	361249	5383745		AD10049744	10/05/2010	0.0016	0.00213	0.0013	1.19	38.2	50	100	1.26	1.79	206	68.7	35.5	80.7	13	28.2
D	PHS009	Parsons Hood	361257	5383763		AD10049744	10/05/2010	0.0052	0.00502	0.0013	1.17	61	50	90	1.39	4.23	246	84.7	39.3	86.2	17.1	23.1
D	PHS010	Parsons Hood	361265	5383781		AD10049744	10/05/2010	0.0065	0.00646	0.0013	1.24	66.4	50	100	1.4	4.69	257	94	41.6	85	15.7	24
D	PHS011	Parsons Hood	361274	5383800		AD10049744	10/05/2010	0.0092	0.00909	0.0013	1.41	76.4	70	130	1.68	5.79	274	103	44.5	88.4	13	30.5
D	PHS012	Parsons Hood	361282	5383818		AD10049744	10/05/2010	0.0085	0.00783	0.0013	1	82.1	250	90	3.12	3.36	222	67	28.3	54.3	9.8	24.1
D	PHS013	Parsons Hood	361290	5383836		AD10049744	10/05/2010	0.012	0.01165	0.0025	1.41	87	80	110	2.61	7.36	264	96	43.9	85.2	13	27.3
D	PHS014	Parsons Hood	361298	5383854		AD10049744	10/05/2010	0.0193	0.01895	0.0025	1.26	103.5	80	100	1.98	9.77	210	66.5	29.6	52.7	16.6	22.6
D	PHS015	Parsons Hood	361306	5383873		AD10049744	10/05/2010	0.0172	0.01765	0.0025	1.07	162.5	90	90	1.95	8.61	198	78.3	27.5	52.3	12.7	21.8
D	PHS016	Parsons Hood	361314	5383891		AD10056431	4/06/2010	0.0138	0.01115	0.005	1.18	205	130	80	5.41	8.22	141	79.2	26.1	50.4	13.7	32.7
D	PHS017	Parsons Hood	361322	5383909		AD10056431	4/06/2010	0.0045	0.00423	-0.0013	0.76	53.7	20	50	0.61	15.8	34	44.6	6	18.9	33.3	11.2

Appendix A: Soil Sample Locations and Assays

H1000 H1001	Sample	Prospect	E MGA55 metres	N MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
D	PHS018	Parsons Hood	361331	5383927	fragments of porous weathered granular garnet rock	AD10056431	4/06/2010	0.0113	0.00825	0.0038	1.08	94.2	70	40	0.7	3.97	126	53.4	26	40	8.7	14.3
D	PHS019	Parsons Hood	361339	5383946		AD10056431	4/06/2010	0.0103	0.0081	0.0025	1.06	74.9	60	70	0.59	3.1	113	69.3	24.5	35.4	11.7	16.8
D	PHS020	Parsons Hood	361347	5383964	fragments of porous weathered granular garnet rock	AD10056431	4/06/2010	0.0157	0.01205	0.0025	1.38	101.5	230	60	0.76	8.47	119	67.8	25.4	42.6	14	17.3
D	PHS021	Parsons Hood	361355	5383982		AD10056431	4/06/2010	0.015	0.0116	0.0025	1.18	128.5	220	50	0.89	5.04	129	56.9	21.2	32.9	12.3	15.9
D	PHS022	Parsons Hood	361363	5384000		AD10056431	4/06/2010	0.0202	0.01645	0.0025	1.33	128.5	520	40	0.93	13.9	107	68.8	18.7	37.7	12.5	11.9
D	PHS023	Parsons Hood	361371	5384019		AD10056431	4/06/2010	0.0073	0.00647	0.0013	1.38	34.6	240	30	0.54	5.11	83	51.7	16.7	27.9	16.9	11.2
D	PHS024	Parsons Hood	361380	5384037		AD10056431	4/06/2010	0.0165	0.0136	0.0025	1.1	33.2	220	40	0.64	13.9	110	57.4	16.1	28.2	15.7	12.9
D	PHS025	Parsons Hood	361388	5384055		AD10056431	4/06/2010	0.0035	0.00281	0.0013	0.99	15.4	60	110	0.63	3.55	111	64.4	33.7	56.8	12.3	28.1
D	PHS026	Parsons Hood	361396	5384074		AD10056431	4/06/2010	0.0009	0.00076	-0.0013	0.64	5.7	60	70	0.36	0.9	35	27.1	4.8	9.9	17.6	14.5
D	PHS027	Parsons Hood	361404	5384092		AD10056431	4/06/2010	0.0015	0.00046	-0.0013	0.6	6.3	50	80	0.44	0.6	35	33.2	5.9	11.8	25.9	22.2
D	PHS028	Parsons Hood	361412	5384110		AD10056431	4/06/2010	0.0008	0.00036	-0.0013	0.64	8	40	70	0.68	0.55	66	34	5.9	22.8	24.9	14.1
D	PHS029	Parsons Hood	361420	5384128		AD10056431	4/06/2010	0.0007	0.00034	0.0013	0.91	9.2	40	70	1	0.48	134	61.4	14.6	51.5	13.5	14.3
D	PHS030	Parsons Hood	361274	5383552		AD10056431	4/06/2010	0.0017	0.00038	0.0013	1.05	25.6	80	120	1.09	0.72	105	69.4	32.9	46.3	14	37.2
D	PHS031	Parsons Hood	361282	5383570		AD10056431	4/06/2010	0.0013	0.00046	0.0025	1.28	20.4	80	120	1	0.75	111	58.2	30.7	38.9	17.9	31.1
D	PHS032	Parsons Hood	361290	5383588		AD10056431	4/06/2010	0.0009	0.0004	0.0025	0.99	41.1	80	90	0.94	0.51	165	56.9	23	44.5	14	29
D	PHS033	Parsons Hood	361299	5383607		AD10056431	4/06/2010	0.0013	0.00045	0.0013	1.25	17.7	30	80	0.75	0.5	132	63.1	24.7	49.9	17.4	23
D	PHS034	Parsons Hood	361307	5383625		AD10056431	4/06/2010	0.0014	0.00083	0.0025	1.08	41.7	40	60	0.97	0.95	176	58.5	20.1	54.8	14.4	15.5
D	PHS035	Parsons Hood	361315	5383643		AD10056431	4/06/2010	0.0008	0.00115	0.0013	1.42	33.4	40	80	1.1	1.55	182	76.4	28.6	72.4	12.1	22.2
D	PHS036	Parsons Hood	361323	5383661		AD10056431	4/06/2010	0.002	0.00133	0.0038	1.34	42.3	50	70	1.29	1.76	211	73.5	29.7	73.9	13.3	20.5
D	PHS037	Parsons Hood	361331	5383680		AD10056431	4/06/2010	0.0022	0.00173	0.0025	1.3	65.1	60	60	0.89	1.79	231	70.2	24.1	63	12.9	18
D	PHS038	Parsons Hood	361340	5383698		AD10056431	4/06/2010	0.0029	0.00198	0.0025	1.3	73.1	60	70	0.96	2.16	233	70.3	25.2	60.4	11.7	19.6
D	PHS039	Parsons Hood	361348	5383716		AD10056431	4/06/2010	0.0035	0.00266	0.0025	1.35	51.3	70	100	1.11	2.55	181	69.9	27.4	51.1	10.5	23.6
D	PHS040	Parsons Hood	361356	5383734		AD10056431	4/06/2010	0.0038	0.00239	0.0013	1.21	45	70	100	0.97	2.23	135	67.9	24.4	49.1	13.7	23.3
D	PHS041	Parsons Hood	361364	5383753		AD10056431	4/06/2010	0.0036	0.0029	0.0025	1.03	94.7	80	100	1.23	2.71	160	71.8	27.1	41.4	11.5	29.1
D	PHS042	Parsons Hood	361372	5383771	fragments of porous weathered granular garnet rock	AD10056431	4/06/2010	0.0038	0.0027	0.0013	1	92.5	80	80	1.04	2.51	135	54.9	19.8	41.5	20	20.9
D	PHS043	Parsons Hood	361380	5383789		AD10056431	4/06/2010	0.0024	0.00148	0.0013	0.88	80.3	80	70	0.78	1.73	149	53.8	14.6	37.1	20.2	17.2
D	PHS044	Parsons Hood	361389	5383807		AD10056431	4/06/2010	0.0028	0.00234	0.0025	1.01	96.4	90	80	1.09	2.34	167	62	24	56.1	17.4	20.9
D	PHS045	Parsons Hood	361397	5383826		AD10056431	4/06/2010	0.0046	0.00385	0.0038	1.26	152	90	120	1.54	3.84	229	85.7	36.8	88.8	12.1	29.8
D	PHS046	Parsons Hood	361405	5383844		AD10056431	4/06/2010	0.0049	0.00373	0.0025	1.14	75.3	100	90	1.08	3.01	156	64.1	27.1	63.4	12.4	24.4
D	PHS047	Parsons Hood	361413	5383862		AD10056431	4/06/2010	0.0024	0.0013	0.005	1.05	63	100	70	0.65	0.87	157	61.8	21.8	62.9	25	19.6
D	PHS048	Parsons Hood	361421	5383880	fragments of porous weathered granular garnet rock	AD10056431	4/06/2010	0.0021	0.00197	0.0025	1.23	36.1	40	70	0.52	0.99	150	66.2	23.8	48.8	14.4	19.2
D	PHS049	Parsons Hood	361430	5383899		AD10056431	4/06/2010	0.0032	0.00257	0.0025	1.42	44.7	50	110	0.81	0.63	287	82.6	30.5	93.3	14.6	30.7
D	PHS050	Parsons Hood	361438	5383917		AD10056431	4/06/2010	0.0039	0.00328	0.0013	1.69	38.9	60	130	0.68	1.48	203	121.5	47.7	119	14.5	33.9
D	PHS051	Parsons Hood	361446	5383935		AD10056431	4/06/2010	0.0095	0.00887	0.0025	1.92	34.7	80	40	0.5	2.8	119	58.1	22.9	44.5	14	12.3
D	PHS052	Parsons Hood	361454	5383953		AD10056431	4/06/2010	0.0041	0.00394	0.0025	1.14	29.5	50	60	0.54	1.01	125	51.6	17.9	41	13.9	24.8
D	PHS053	Parsons Hood	361462	5383972		AD10056431	4/06/2010	0.0036	0.00327	0.0013	1.22	31.1	50	70	0.61	0.84	113	53	19	37.1	12.1	25.9
D	PHS054	Parsons Hood	361471	5383990		AD10056431	4/06/2010	0.0017	0.00174	0.0013	1.37	29.8	40	100	0.47	0.88	90	45.1	13.7	25.9	20.4	27.9
D	PHS055	Parsons Hood	361479	5384008		AD10056431	4/06/2010	0.0017	0.00181	0.0013	1.24	23.4	40	90	0.61	1	118	61.9	25.3	50.7	14.5	23.3
D	PHS056	Parsons Hood	361487	5384026		AD10056431	4/06/2010	0.0018	0.0015	-0.0013	0.95	18.1	40	70	0.53	0.72	104	52	16.3	42.5	13.3	17.2
D	PHS058	Parsons Hood	361354	5383486		AD10056431	4/06/2010	-0.0005	0.00029	0.0013	0.93	24.1	60	80	0.74	0.76	70	51.5	19.2	19.3	16	25.5
D	PHS059	Parsons Hood	361362	5383504		AD10056431	4/06/2010	-0.0005	0.00032	0.0013	1.14	19.5	50	80	0.81	0.62	97	56.5	23.1	35.5	17.7	24.8
D	PHS060	Parsons Hood	361370	5383523		AD10056431	4/06/2010	0.0012	0.00055	0.0025	1.04	58.8	100	80	1.03	0.48	145	49.8	21.2	35.4	14.4	27.1
D	PHS061	Parsons Hood	361378	5383541		AD10056431	4/06/2010	0.0017	0.00111	0.0013	1.21	25.7	50	60	1.03	0.92	120	57.4	23.9	51.1	16.4	19.5
D	PHS062	Parsons Hood	361386	5383559		AD10056431	4/06/2010	0.0013	0.00186	0.0013	1.17	43.3	60	60	1.17	1.31	144	57.3	22.1	49.1	15.1	19.1
D	PHS063	Parsons Hood	361395	5383577		AD10056431	4/06/2010	0.0021	0.00187	0.0013	1.29	28	50	60	0.82	1.61	112	55.1	20.7	52.3	21.2	15
D	PHS064	Parsons Hood	361403	5383596		AD10056431	4/06/2010	0.001	0.00163	0.0013	1.4	32.2	60	60	1.02	1.04	153	74.4	24.7	65.1	16.9	17
D	PHS065	Parsons Hood	361411	5383614		AD10056431	4/06/2010	0.0022	0.00233	0.0013	1.74	43.6	30	60	0.94	1.92	154	71	22.8	57.7	21.3	15.3
D	PHS066	Parsons Hood	361419	5383632		AD10056431	4/06/2010	0.0036	0.00326	0.0038	1.67	56.4	30	70	0.91	3.51	180	88	26.1	57.8	32.1	22.1
D	PHS067	Parsons Hood	361427	5383650		AD10056431	4/06/2010	0.0044	0.00408	0.0025	1.68	52.3	30	70	0.85	4.18	188	87	24.9	55.8	21.3	21.2
D	PHS068	Parsons Hood	361435	5383669		AD10056431	4/06/2010	0.0033	0.00344	0.0025	1.76	44.5	40	70	0.96	3.53	170	105	26.4	58.5	22.2	18.7
D	PHS069	Parsons Hood	361443	5383687		AD10056431	4/06/2010	0.0066	0.0042	0.0025	1.66	60.2	60	80	1.14	3.09	196	143.5	27	60.7	14	23.4
D	PHS070	Parsons Hood	361451	5383705	fragments of porous weathered granular garnet rock	AD10056431	4/06/2010	0.0085	0.00661	0.005	1.51	118	60	90	0.91	4.43	159	75.5	20.2	29.3	25.3	20.6
D	PHS071	Parsons Hood	361460	5383724		AD10056431	4/06/2010	0.0057	0.00659	0.0025	1.7	61.7	60	80	0.74	3.43	122	59	20.3	25.6	24.2	16.7
D	PHS072	Parsons Hood	361468	5383742		AD10056431	4/06/2010	0.0034	0.00356	0.0013	1.26	38.4	70	60	0.57	1.66	61	38.9	12.9	19.5	30.4	13.3
D	PHS073	Parsons Hood	361476	5383760		AD10056431	4/06/2010	0.0019	0.00211	-0.0013	1.06	31.3	50	40	0.38	1.07	46	33	7.			

Appendix A: Soil Sample Locations and Assays

H1000	Sample	Prospect	E MGA55 metres	N MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
H1001	PHS074	Parsons Hood	361484	5383778		AD10056431	4/06/2010	0.0048	0.00515	-0.0013	1.05	30.8	50	40	0.21	1.62	38	32.9	8.4	13.8	67.5	8.8
	PHS075	Parsons Hood	361492	5383797	fragments of porous weathered granular garnet rock	AD10056431	4/06/2010	0.0107	0.00993	0.0025	1.35	43.5	60	50	0.4	2.66	98	44.7	13.3	25.6	19.4	11
	PHS076	Parsons Hood	361500	5383815		AD10056431	4/06/2010	0.0072	0.00461	0.0038	1.74	90.8	70	70	0.42	1.77	94	50.7	13.6	22.6	23.3	15.9
	PHS077	Parsons Hood	361508	5383833		AD10056431	4/06/2010	0.001	0.00084	-0.0013	1.26	27.3	70	50	0.31	0.38	69	37.3	12.6	18.7	31.7	14.1
	PHS078	Parsons Hood	361516	5383852		AD10056431	4/06/2010	0.0017	0.00072	-0.0013	0.98	46.3	80	50	0.37	0.33	69	34.4	14	23	28.8	15.5
	PHS079	Parsons Hood	361525	5383870		AD10056431	4/06/2010	0.0407	0.0351	0.0038	2.08	196	100	50	0.67	5.48	169	103	25	54.9	18.7	16.6
	PHS080	Parsons Hood	361533	5383888		AD10056431	4/06/2010	0.0085	0.00825	0.0025	1.59	210	60	90	0.74	1.32	176	94.5	31.2	65.8	21.7	18.2
	PHS081	Parsons Hood	361541	5383906		AD10056431	4/06/2010	0.0037	0.00336	0.0038	1.27	84.2	20	140	0.61	0.81	135	56.7	22.1	38.4	21.8	25
	PHS082	Parsons Hood	361549	5383925		AD10056431	4/06/2010	0.0019	0.00138	-0.0013	1.06	23.3	20	220	0.33	0.66	54	31.2	8	12.7	30.2	24.8
	PHS083	Parsons Hood	361557	5383943		AD10056431	4/06/2010	0.0022	0.00133	0.0013	1.04	25.5	20	230	0.36	0.6	74	35.8	8.6	16.5	25.6	26
	PHS084	Parsons Hood	361565	5383961		AD10056431	4/06/2010	0.0019	0.00119	0.0013	1.24	34.6	20	190	0.46	0.84	109	44.5	12.9	19.9	34.3	24.6
	PHS085	Parsons Hood	361573	5383979		AD10056431	4/06/2010	0.0012	0.00087	0.0013	1.13	32.4	30	140	0.74	0.56	177	78.8	28	60.7	19.1	24.1
	PHS086	Parsons Hood	361433	5383424		AD10056431	4/06/2010	0.0018	0.00042	0.0013	1.12	27.2	60	130	1.17	1.05	112	53.7	27.8	38	18	37.3
	PHS087	Parsons Hood	361441	5383442		AD10056431	4/06/2010	0.0012	0.0002	-0.0013	0.45	4.1	40	30	0.13	0.34	-5	18	3.4	9.9	24.5	7.7
	PHS088	Parsons Hood	361449	5383461		AD10056431	4/06/2010	0.0018	0.0013	0.0013	0.9	17.8	50	60	0.89	1.04	107	45.4	16.7	45	17.8	14.8
	PHS089	Parsons Hood	361458	5383479		AD10056431	4/06/2010	0.002	0.00064	0.0013	0.91	10.7	40	50	0.58	0.56	69	33.5	9.5	34.3	17.3	11.8
	PHS090	Parsons Hood	361466	5383497		AD10056431	4/06/2010	0.0021	0.00086	0.0013	0.96	15.7	40	80	0.84	0.64	102	44	14.7	51.9	17.3	16.9
	PHS091	Parsons Hood	361474	5383515		AD10056431	4/06/2010	0.0037	0.00102	0.0013	0.73	18.5	60	60	1.01	1.08	81	37.8	14.1	37.6	18.6	15.2
	PHS092	Parsons Hood	361482	5383534		AD10056431	4/06/2010	0.0026	0.00168	0.0013	0.83	36.5	60	60	1.03	1.37	133	55.4	22.3	46.3	12.2	16.7
	PHS093	Parsons Hood	361490	5383552		AD10056431	4/06/2010	0.003	0.00154	0.0025	0.89	49.4	70	60	0.98	1.43	181	60.4	22.7	51.6	12.2	15.3
	PHS094	Parsons Hood	361498	5383570		AD10056431	4/06/2010	0.0014	0.00114	0.0013	1.07	33.8	60	60	0.78	1.25	163	65.7	22.5	55.3	18.3	14
	PHS095	Parsons Hood	361507	5383588		AD10056431	4/06/2010	0.0022	0.00207	0.0025	1.12	53.4	40	80	0.86	3.3	202	90.5	32.6	56.3	17.3	19
	PHS096	Parsons Hood	361515	5383607		AD10056431	4/06/2010	0.0024	0.00196	0.0038	1.38	54.8	50	80	0.86	3.76	226	86.4	33.7	61.9	14.6	18.5
	PHS097	Parsons Hood	361523	5383625		AD10056431	4/06/2010	0.0034	0.00246	0.0013	0.87	44.8	20	90	0.82	1.96	130	70.9	25.7	44.2	19.5	18.5
	PHS098	Parsons Hood	361531	5383643		AD10056431	4/06/2010	0.0029	0.00305	0.0025	1.09	42.7	20	80	0.6	1.95	130	65.3	22.7	39.1	24.7	16.3
	PHS099	Parsons Hood	361539	5383661		AD10056431	4/06/2010	0.0046	0.00439	0.0038	1.14	63.3	20	90	0.64	2.23	127	59.7	22.5	29.5	23.7	17.9
	PHS100	Parsons Hood	361547	5383680		AD10056431	4/06/2010	0.0027	0.0026	0.0013	1.03	32	10	70	0.58	1.33	80	48.5	17.2	23.3	30	14.1
	PHS101	Parsons Hood	361556	5383698		AD10056431	4/06/2010	0.0031	0.00274	0.0013	0.91	38.7	20	70	0.67	1.4	109	50.5	17.5	26.5	24.3	13.7
	PHS102	Parsons Hood	361564	5383716		AD10056431	4/06/2010	0.005	0.00336	0.0013	0.94	50.8	40	70	0.66	1.38	98	51.1	16.7	26.2	29.6	14.5
	PHS103	Parsons Hood	361572	5383734		AD10056431	4/06/2010	0.0035	0.00243	0.0013	0.74	77.7	60	50	0.69	1.13	93	42.3	13.3	22	23.9	10.3
	PHS104	Parsons Hood	361580	5383753		AD10056431	4/06/2010	0.0039	0.00352	0.0038	1.08	71.8	80	70	0.56	1.38	122	53.9	13.3	27.5	27.2	12.9
	PHS105	Parsons Hood	361588	5383771		AD10056431	4/06/2010	0.0037	0.00225	0.0013	0.85	56.6	90	70	0.4	0.61	82	41	11.1	20.5	36.1	12
	PHS106	Parsons Hood	361596	5383789		AD10056431	4/06/2010	0.0022	0.00103	-0.0013	1.04	28.8	70	70	0.51	0.39	92	44.1	17.2	37.4	27.6	14.1
	PHS107	Parsons Hood	361605	5383807		AD10056431	4/06/2010	0.0025	0.00154	0.0013	1.12	51.4	80	70	0.49	0.47	118	48.7	23.8	53.8	28.1	12.4
	PHS108	Parsons Hood	361613	5383826		AD10056431	4/06/2010	0.0023	0.00129	0.0013	1.25	52.8	90	80	0.51	0.39	105	56.1	19.1	41.6	22.7	16.5
	PHS109	Parsons Hood	361621	5383844		AD10056431	4/06/2010	0.0046	0.00458	0.0025	1.65	134.5	30	110	0.68	0.78	252	121	33.2	78.2	43.5	16.9
	PHS110	Parsons Hood	361629	5383862		AD10056431	4/06/2010	0.0022	0.00023	-0.0013	0.63	4.7	30	120	0.26	0.46	37	26.3	4.6	8.2	30.2	13.5
	PHS111	Parsons Hood	361637	5383880		AD10056431	4/06/2010	0.0016	0.00029	-0.0013	0.65	4.8	40	110	0.28	0.44	42	33.9	9.5	11.7	38.8	12.2
	PHS112	Parsons Hood	361645	5383899		AD10056431	4/06/2010	0.0013	0.0003	-0.0013	0.81	6.1	30	170	0.36	0.35	64	32.5	9.6	19.2	35.7	12.6
	PHS113	Parsons Hood	361654	5383917		AD10056431	4/06/2010	0.0014	0.00053	0.0025	1.37	35.3	20	270	1.12	0.26	299	100.5	47.4	109	75.7	26.3
	PHS114	Parsons Hood	361516	5383356		AD10056431	4/06/2010	0.0018	0.0005	0.0025	1.37	9	40	50	0.4	0.54	55	42.6	10.9	24.2	20.7	9.7
	PHS115	Parsons Hood	361524	5383374		AD10056431	4/06/2010	0.0013	0.00036	-0.0013	0.77	5.2	50	50	0.29	0.49	26	27	4.7	15.6	23.6	11.6
	PHS116	Parsons Hood	361532	5383393		AD10056431	4/06/2010	0.0013	0.00033	-0.0013	0.59	6.6	40	50	0.28	0.35	31	26.3	5.5	18	15	12.5
	PHS117	Parsons Hood	361540	5383411		AD10056431	4/06/2010	0.0007	0.0004	-0.0013	0.71	6.7	40	50	0.33	0.37	45	30.5	6.4	21.2	15.2	11.8
	PHS118	Parsons Hood	361548	5383429		AD10056431	4/06/2010	-0.0005	0.00047	-0.0013	0.81	7.7	40	60	0.5	0.35	57	37.3	11.7	32.1	13.8	13.5
	PHS119	Parsons Hood	361556	5383447		AD10056431	4/06/2010	0.0012	0.00108	0.0013	0.84	13.2	50	70	0.92	0.83	112	47.8	20.9	48.9	13.5	14.5
	PHS120	Parsons Hood	361565	5383466		AD10056431	4/06/2010	0.0009	0.00081	0.0013	0.58	32.5	70	40	0.93	0.59	113	43.8	13.1	34.1	14.4	12.2
	PHS121	Parsons Hood	361573	5383484		AD10056431	4/06/2010	0.0035	0.00211	0.0025	1.16	49.4	60	80	1.02	1.88	196	73.4	30.9	52.4	21.2	16.3
	PHS122	Parsons Hood	361581	5383502		AD10056431	4/06/2010	0.0032	0.00208	0.0025	0.97	59.2	80	80	1.23	1.23	209	59.2	25.1	38.7	18.5	15.8
	PHS123	Parsons Hood	361589	5383521		AD10056431	4/06/2010	0.0021	0.00215	0.0025	0.97	65	90	110	0.91	1.28	199	80.4	34.7	44.6	15.8	19.6
	PHS124	Parsons Hood	361597	5383539		AD10056431	4/06/2010	0.006	0.00283	0.0025	1.34	76.8	60	180	0.96	1.88	187	91.6	45.3	50.7	21.9	29
	PHS125	Parsons Hood	361605	5383557		AD10056431	4/06/2010	0.0019	0.00163	0.0025	1.17	69.6	60	150	0.91	1.06	229	89.6	46.1	49	20.2	25.5
	PHS126	Parsons Hood	361613	5383576		AD10056431	4/06/2010	0.0019	0.00193	0.0025	1.33	68.2	60	170	1.06	0.87	237	109.5	58.5	69.5	25.1	26.7
	PHS127	Parsons Hood	361621	5383594		AD10056431	4/06/2010	0.0013	0.00179	0.0025	1.24	64.3	70	150	1.06	0.7	234	105.5	57.3	70.9	23	23.7
	PHS128	Parsons Hood	361629	5383612		AD10056431	4/06/2010	0.0024	0.00189	0.0013	1.05	63.8	70	150	1.46	0.56	230	98.2	50.1	69.3	27.6	21.6
	PHS129	Parsons Hood	361637	5383630		AD10056431	4/06/2010</															

Appendix A: Soil Sample Locations and Assays

H1000 H1001	Sample	Prospect	E MGA55 metres	N MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
D	PHS133	Parsons Hood	361670	5383704		AD10056431	4/06/2010	0.002	0.00173	0.0013	0.95	46.9	70	120	0.64	0.52	123	59.8	26.7	30.9	29	18.3
D	PHS134	Parsons Hood	361678	5383722		AD10056431	4/06/2010	0.0015	0.00145	0.0013	1.09	46.4	50	120	0.56	0.58	113	66	25.9	39	30.5	18.1
D	PHS135	Parsons Hood	361686	5383740		AD10056431	4/06/2010	0.0012	0.00123	0.0038	1.11	55.9	90	200	0.99	0.43	181	112	30.2	77.1	30.4	20.3
D	PHS136	Parsons Hood	361694	5383758		AD10056431	4/06/2010	-0.0005	0.0006	0.0013	1.1	13.1	70	160	0.63	0.57	129	76.7	35.5	40.9	29.5	23.7
D	PHS137	Parsons Hood	361702	5383777		AD10056431	4/06/2010	0.0005	0.00031	-0.0013	0.78	9	80	120	0.49	0.43	111	52.9	21	31.7	29	17.8
D	PHS138	Parsons Hood	361710	5383795		AD10056431	4/06/2010	0.0006	0.00026	-0.0013	0.79	8.7	70	70	0.27	0.59	108	28.2	9.4	14.7	49.1	16.8
D	PHS139	Parsons Hood	361718	5383813		AD10056431	4/06/2010	0.0008	0.00056	0.0013	1.12	14.8	70	200	0.81	0.27	175	75.3	36.3	69.8	20.7	26.7
D	PHS140	Parsons Hood	361726	5383832		AD10056431	4/06/2010	0.0009	0.00064	0.0013	0.9	10.9	100	270	0.56	0.41	116	48	31.1	26.7	29.5	30.5
D	PHS141	Parsons Hood	360894	5384166	gy-bk, clods weakly developed around subangular griesen fragments ≤1cm	AD10072428	30/06/2010	0.0008	0.00047	0.0025	1.22	1.8	360	70	2.04	0.21	-5	17.7	22.2	3.7	17.9	313
D	PHS142	Parsons Hood	360902	5384184	gy-bk, coarsely qz-granular coarse sand + root bound clods ≤3cm. Loose organics. No rock fragments	AD10072428	30/06/2010	0.0008	0.00033	-0.0013	0.49	1.2	270	60	1.84	0.13	-5	15.8	17.2	4.3	17.2	278
D	PHS143	Parsons Hood	360911	5384202	gy-wt, weakly developed clods, mostly qz-aggregate pebbles ≤1cm	AD10072428	30/06/2010	-0.0005	0.00037	0.0013	0.42	2.9	490	50	2.02	0.12	7	27.8	16.7	7.3	15.6	250
D	PHS144	Parsons Hood	360919	5384221	bk-gy, soft, grainy (fine sand), rock-bearing clods ≤4cm. Organic rich w/ numerous ≤1cm qz-griesen pebbles	AD10072428	30/06/2010	0.0005	0.00043	0.0013	0.64	2.5	480	50	1.73	0.16	7	25.5	18.7	6	15.4	241
D	PHS145	Parsons Hood	360927	5384239	dbn-bk, soft, grainy, crumbly, root-bound clods ≤3cm. Angular griesen pebbles ≤3mm	AD10072428	30/06/2010	-0.0005	0.00032	-0.0013	0.36	1.9	90	40	1.9	0.15	13	18.7	14.7	8.8	14.5	230
D	PHS146	Parsons Hood	360936	5384257	bk-gy, soft, grainy (fine sand), rock-bearing clods ≤4cm. Organic rich w/ numerous ≤4mm qz-griesen granules	AD10072428	30/06/2010	0.0005	0.00023	-0.0013	0.29	2.2	110	40	1.5	0.09	22	21.7	14.1	5.8	12.1	204
D	PHS147	Parsons Hood	360944	5384275	dbn-bk, soft, qz+mi grainy (fine sand), root-bound clods ≤4cm. Trace angular pebbles ≤5mm	AD10072428	30/06/2010	-0.0005	0.00021	-0.0013	0.26	2.1	60	40	1.81	0.07	-5	19.3	15.2	7.3	13.1	229
D	PHS148	Parsons Hood	360952	5384293	dbn-gy, soft, grainy, crumbly, root-bound clods ≤3cm. Angular griesen pebbles ≤3mm	AD10072428	30/06/2010	-0.0005	0.00022	-0.0013	0.2	1.8	70	40	1.59	0.09	-5	23.3	15.9	8.4	11.7	193
D	PHS149	Parsons Hood	360960	5384312	dbn-bk, soft, grainy, crumbly, root-bound clods ≤3cm. Angular griesen pebbles ≤5mm	AD10072428	30/06/2010	-0.0005	0.00023	-0.0013	0.29	2.6	70	40	1.66	0.05	-5	21.5	15.7	6.2	12	197
D	PHS150	Parsons Hood	360971	5384094	gy-og, crumbly root-bound clods ≤5cm. Several subangular pebbles ≤1.5cm	AD10072428	30/06/2010	0.001	0.001	-0.0013	1.06	9	-10	70	0.78	0.78	155	65.2	29.5	71.9	13.7	21.5
D	PHS151	Parsons Hood	360979	5384112	lgy-yw, hard ≤1cm clods tht crumble to fine powder. Some ww angular rock fragments ≤1cm	AD10072428	30/06/2010	0.0005	0.00095	-0.0013	1.01	7.7	10	70	0.92	0.58	220	78.5	41.5	83.6	10.7	26.9
D	PHS152	Parsons Hood	360988	5384130	gy-bn-og, hard, angular clods ≤3cm. Minor organics but no rock fragments	AD10072428	30/06/2010	-0.0005	0.00125	-0.0013	1.07	12.7	40	70	0.97	0.9	193	74.9	23.9	71.4	12.5	24.2
D	PHS153	Parsons Hood	360996	5384149	lbn-gy, hard, root-bearing clods ≤1cm + organics. Minor platy pebbles ≤1cm	AD10072428	30/06/2010	-0.0005	0.00075	-0.0013	0.93	8.9	30	50	0.71	0.45	151	61.9	19.6	69.7	11.6	25.8
D	PHS154	Parsons Hood	361004	5384167	mbn, soft, organic-bearing crumbly clods ≤3cm. Several mw ST fragments ≤4cm	AD10072428	30/06/2010	-0.0005	0.00054	-0.0013	0.77	7	40	50	0.68	0.26	155	66.1	25	75.9	11.7	23.3
D	PHS155	Parsons Hood	361012	5384185	dbn-gy, ≤3cm crumbly clods. ≤3cm angular ww ST fragments. Minor roots.	AD10072428	30/06/2010	-0.0005	0.00044	-0.0013	0.79	6.4	30	60	0.66	0.24	177	65.8	28.4	80	11.6	26.7
D	PHS156	Parsons Hood	361021	5384203	lgy-yw, a few platy mw rock fragments. No clods	AD10072428	30/06/2010	-0.0005	0.00032	-0.0013	0.67	4.3	40	30	0.62	0.18	128	46.9	22.1	66	13	56.7
D	PHS157	Parsons Hood	361029	5384221	gy-dbn, crumbly root-bearing clods. Numerous angular + platy rock fragments ≤2cm but mostly ≤5mm	AD10072428	30/06/2010	-0.0005	0.0003	-0.0013	0.56	3.6	40	60	1.01	0.15	113	42.3	28.2	59.2	15.4	145
D	PHS158	Parsons Hood	361037	5384240	mbn-gy, hard ≤1cm clods formed around organic + qz fragments. Angular + platy rock fragments and a bone fragment.	AD10072428	30/06/2010	0.0006	0.00035	-0.0013	0.48	4	40	60	1.46	0.13	81	34.3	21.5	36.7	12.9	234
D	PHS159	Parsons Hood	361047	5384024	dbn-gy, mod. Hard, gritty, organic-bound clods ≤5cm. Numerous angular ww rock fragments ≤1.5cm	AD10072428	30/06/2010	-0.0005	0.00074	-0.0013	0.71	29.7	50	100	0.99	0.94	171	55	20.5	55.2	12.3	20.8
D	PHS160	Parsons Hood	361055	5384042	yw-bn, soft, crumbly, root-bearing clods ≤3cm. No rock fragments	AD10072428	30/06/2010	0.0006	0.00088	-0.0013	0.98	20.6	30	110	0.7	0.92	193	62.9	22.8	63.2	15.7	20
D	PHS161	Parsons Hood	361064	5384060	cm-gy, hard, root-bound clods ≤3cm. No rock fragments	AD10072428	30/06/2010	0.0007	0.00084	-0.0013	0.99	16.6	40	120	0.92	0.64	166	58.7	22.3	62.2	13.3	22.9
D	PHS162	Parsons Hood	361072	5384079	gy-bn, crumbly rock-bearing clods ≤1.5cm. No rock fragments	AD10072428	30/06/2010	-0.0005	0.00095	-0.0013	0.95	14.9	50	110	0.83	0.89	183	58.4	23.1	65.5	12.1	18.8
D	PHS163	Parsons Hood	361080	5384097	mbn-og, soft, crumbly, root-bearing clods ≤2cm. No rock fragments	AD10072428	30/06/2010	0.0008	0.00134	-0.0013	0.97	15.6	60	120	1.09	1.11	172	63.7	26.5	72.9	13	24.8

Appendix A: Soil Sample Locations and Assays

H1000 H1001	Sample	Prospect	E MGA55 metres	N MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
D	PHS164	Parsons Hood	361088	5384115	mbn-og, soft, organic bearing clods ≤4cm. Numerous relatively fresh organics + ww angular + platy rock fragments ≤1cm	AD10072428	30/06/2010	0.0013	0.0014	-0.0013	0.89	15.5	60	90	0.89	1.08	174	60.5	21.8	63.3	11.9	20.1
D	PHS165	Parsons Hood	361097	5384133	mbn, soft, root-bearing clods ≤1cm. Numerous platy + angular rock fragments ≤3cm	AD10072428	30/06/2010	0.001	0.00142	-0.0013	0.82	17.2	90	90	1.13	1.07	179	64.7	25.9	68.3	15	29.2
D	PHS166	Parsons Hood	361105	5384151	mbn-yw, soft, crumbly clods ≤5cm. Minor organics + ww subangular pebbles ≤1.5cm	AD10072428	30/06/2010	-0.0005	0.00156	-0.0013	0.91	26.2	70	70	0.94	1.24	250	73.9	28.8	73.3	12.8	27.4
D	PHS167	Parsons Hood	361113	5384170	mbn yw, crumbly root-bearing clods ≤6cm. Minor ww platy rock fragments ≤1cm	AD10072428	30/06/2010	-0.0005	0.00073	-0.0013	0.71	12.3	80	70	0.98	0.56	171	59	30	78.1	10.6	24.8
D	PHS168	Parsons Hood	361031	5383748	mbn yw, crumbly mbn clods ≤2.5cm bearing minor organics. Yw mw angular rock fragments ≤1.5cm	AD10072428	30/06/2010	-0.0005	0.00049	-0.0013	0.74	20.1	20	120	0.64	0.4	96	51	20.3	27.7	25.8	25.3
D	PHS169	Parsons Hood	361039	5383766	rich mbn, hard, root-bearing clods ≤4cm. Numerous angular + platy ww ST fragments ≤3cm	AD10072428	30/06/2010	-0.0005	0.00039	-0.0013	0.52	19.7	20	120	0.66	0.26	69	50	17.5	28.9	20.8	26.8
D	PHS170	Parsons Hood	361047	5383784	lbn-gy, hard clods ≤2.5cm + a few platy pebbles ≤2cm	AD10072428	30/06/2010	-0.0005	0.00043	-0.0013	0.81	23.5	20	110	0.67	0.27	128	61.4	20.7	40	17.7	26
D	PHS171	Parsons Hood	361056	5383803	cm-lyw, hard, crumbly root-bearing clods ≤4cm. No rock fragments	AD10072428	30/06/2010	0.0006	0.00053	-0.0013	1.01	23	20	100	0.63	0.33	137	61.1	21.6	38.7	19.7	24.4
D	PHS172	Parsons Hood	361064	5383821	lrd-bn, hard, crumbly, organic-bearing clods ≤2.5cm. No rock fragments	AD10072428	30/06/2010	-0.0005	0.00042	-0.0013	0.67	11.7	20	100	0.79	0.2	110	60.9	28.1	59.8	12.2	29.5
D	PHS173	Parsons Hood	361072	5383839	dull mbn, soft, root-bound clods ≤5cm. Some platy + angular ww rock fragments ≤3cm	AD10072428	30/06/2010	-0.0005	0.00044	-0.0013	0.69	11	40	100	0.82	0.2	90	58.9	26.5	53.3	12.9	27
D	PHS174	Parsons Hood	361080	5383857	soft clods (damp) w/ trace roots + organics. Platy-elongate, angular ww pebbles ≤2.5cm	AD10072428	30/06/2010	0.0027	0.00358	0.0013	0.7	56.5	100	60	2.55	2.38	165	71	23.5	57.8	10	25.7
D	PHS175	Parsons Hood	361088	5383876	lbn-gy, mod brittle vuggy clods ≤2cm w/ trace organics. Ww angular & elongate pebbles to 3cm	AD10072428	30/06/2010	0.0021	0.00258	-0.0013	0.75	34.9	120	80	1.61	1.32	160	60.6	26.6	55	8.2	28.7
D	PHS176	Parsons Hood	361097	5383894	lbn-gy, organic bound brittle clods ≤4cm, w/ minor angular pebbles ≤2cm	AD10072428	30/06/2010	0.005	0.00594	0.0013	1.29	38.2	90	80	1.17	2.8	176	73.5	26.9	61.5	14.9	25.4
D	PHS177	Parsons Hood	361105	5383912	lbn-og, soft, brittle clods ≤2cm, trace organics + numerous angular-platy pebbles ≤1.5cm	AD10072428	30/06/2010	0.0053	0.00604	0.0013	1.19	49.4	90	70	1.17	3.56	185	73.5	26.2	61.7	13.1	21.5
D	PHS178	Parsons Hood	361113	5383930	dbn-og lgy-bn, clod colour different depending on dryness...and composition? Clods ≤4cm, minor organics, no pebbles	AD10072428	30/06/2010	0.0037	0.00465	-0.0013	1.2	37.8	90	90	1.13	3.14	166	78.1	27.2	64.2	10.6	24.7
D	PHS179	Parsons Hood	361121	5383949	mbn-og, organic bearing clods ≤1.5cm. Angular ww pebbles ≤1.5cm	AD10072428	30/06/2010	0.0019	0.00229	-0.0013	1.02	44.6	100	80	0.99	2.69	171	74.4	23.4	60.3	13.5	20.1
D	PHS180	Parsons Hood	361130	5383967	mbn-og, soft, organic bearing clods ≤5cm. Rich in organic fragments and minor rock granules	AD10072428	30/06/2010	0.0021	0.00258	-0.0013	1.2	40.8	100	110	1.24	2.79	183	82.4	29	71.8	12.2	27.4
D	PHS181	Parsons Hood	361138	5383985	yw-lbn, minor root-bearing, brittle clods ≤4cm. Numerous organic fragments + small pebbles	AD10072428	30/06/2010	-0.0005	0.00137	-0.0013	1.31	50.1	100	90	0.86	2	226	80.4	26.1	75.9	14.8	17.8
D	PHS182	Parsons Hood	361146	5384003	lbn-og, hard clods ≤1cm. Several roots + root fragments. Ww angular pebbles ≤2cm	AD10072428	30/06/2010	0.0014	0.00099	-0.0013	1.02	56.9	70	80	0.78	1.62	157	65.6	22.8	69.9	16.7	17.4
D	PHS183	Parsons Hood	361154	5384022	dbn, soft, root-bound clods ≤2cm. Angular-platy pebbles ≤2cm	AD10072428	30/06/2010	0.0006	0.0008	-0.0013	0.82	42.1	90	80	0.9	1.65	125	58.8	18.9	61.7	21	18.3
D	PHS184	Parsons Hood	361162	5384040	mbn-og, fine root bearing, crumbly clods ≤4cm. Minor coarse organics and platy pebbles ≤1cm	AD10072428	30/06/2010	0.0006	0.00083	-0.0013	1	24.4	10	90	0.69	1.26	145	56.1	16.9	62.5	19.3	16.2
D	PHS185	Parsons Hood	361171	5384058	dbn-rd, root bound soft crumbly clods ≤5cm. No pebbles	AD10072428	30/06/2010	-0.0005	0.00068	-0.0013	0.95	18.4	20	120	0.68	0.65	142	55.4	16	54.8	11.8	20.8
D	PHS186	Parsons Hood	361179	5384076	mbn-og, crumbly, root-bound clods + ww angular-platy pebbles ≤2.5cm	AD10072428	30/06/2010	0.0008	0.00093	-0.0013	1.33	20.6	20	170	0.79	1.63	152	60.7	24.1	64.9	15	27.1
D	PHS187	Parsons Hood	361187	5384095	dbn-og, smushy root-bound clods, bumerous loose roots + ww subangular, elongate pebbles	AD10072428	30/06/2010	0.0008	0.00136	-0.0013	1.03	22.2	20	170	0.9	1.46	157	70.2	28.9	70.8	16.7	26.5
D	PHS188	Parsons Hood	361195	5384113	mbn-og, weakly root-bound soft crumbly clods ≤5cm. Trace organics + subangular elongate pebbles ≤3cm	AD10072428	30/06/2010	0.0012	0.0019	-0.0013	0.94	27	40	130	1.02	1.68	179	75.1	29.9	72.4	17.3	30.3
D	PHS189	Parsons Hood	361203	5384131	dbn-og, root-bound soft-hard brittle clods ≤2cm. Ww angular pebbles ≤2.5cm	AD10072428	30/06/2010	0.0017	0.00184	-0.0013	0.78	25.4	50	110	1.06	1.42	148	64.9	23.3	58.4	13.3	25.4
D	PHS190	Parsons Hood	361212	5384149	dull mbn, soft, organic-bound clods ≤5cm. No rock fragments	AD10072428	30/06/2010	0.0016	0.00185	-0.0013	1.14	27.6	30	110	1.22	1.25	223	80	34.3	81.2	10.6	28.7
D	PHS191	Parsons Hood	361220	5384167	dbn, soft, root-bound clods ≤3cm. Platy + angular ww SST fragments ≤6cm	AD10072428	30/06/2010	0.0005	0.00084	-0.0013	0.83	13.6	50	120	2.05	0.44	154	77.4	36.8	78.3	12.9	33.8

Appendix A: Soil Sample Locations and Assays

H1000 H1001	Sample	Prospect	E_MGA55 metres	N_MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
D	PHS192	Parsons Hood	361112	5383681	dbn-bk, soft, root-bound clods ≤5cm. No rock fragments	AD10072428	30/06/2010	-0.0005	0.00036	-0.0013	0.75	13.2	40	60	0.48	0.43	60	46.3	12.2	20.6	24.3	15.8
D	PHS193	Parsons Hood	361120	5383699	gy-lyw, hard, root-bound clods ≤3cm. No rock fragments	AD10072428	30/06/2010	-0.0005	0.00047	-0.0013	0.97	18.3	40	90	0.74	0.5	118	66.3	23.6	37	20.8	26.5
D	PHS194	Parsons Hood	361128	5383718	gy, hard clods ≤3cm, trace organics + several subrounded platy pebbles ≤1.5cm	AD10072428	30/06/2010	-0.0005	0.00059	-0.0013	1.07	24.2	50	110	0.88	0.59	126	67.1	25.3	38.3	22.9	30.4
D	PHS195	Parsons Hood	361136	5383736	mgy-lbn, hard, crumbly clods ≤3cm. Weakly granular + minor organics. Angular mw rock fragments ≤1.5cm	AD10072428	30/06/2010	0.0006	0.00049	-0.0013	0.7	24	100	80	0.77	0.28	91	46.9	16.2	30.3	13	23.8
D	PHS196	Parsons Hood	361145	5383754	dbn, soft, crumbly, organic-rich clods ≤2.5cm. Several angular pebbles of mw SST ≤2.5cm	AD10072428	30/06/2010	0.0009	0.00053	-0.0013	0.68	19.4	130	90	1.05	0.27	100	44.9	19	30.5	15.6	27.9
D	PHS197	Parsons Hood	361153	5383772	gy-bn, moderately hard but crumbly clods ≤1cm. Minor organics but no rock fragments	AD10072428	30/06/2010	0.0016	0.00168	-0.0013	0.71	30.4	80	50	1.54	0.89	110	51.1	19.5	43.5	10	19.3
D	PHS198	Parsons Hood	361161	5383791	dull dbn-og, soft, organic-bound clods ≤3.5cm. No rock fragments	AD10072428	30/06/2010	0.0036	0.0042	-0.0013	1.08	44.2	40	80	1.21	2.88	163	65.2	29.6	70.7	15.7	22.5
D	PHS199	Parsons Hood	361169	5383809	lyw-cm, hard, crumbly clods ≤2cm. Minor organics but no rock fragments	AD10072428	30/06/2010	0.0033	0.00327	0.0013	1.22	58.2	60	40	1.37	2.55	158	72.6	22.4	58.6	12.3	10.6
D	PHS200	Parsons Hood	361177	5383827	gy-lbn, hard, organic-bearing clods ≤1cm. Angular ww SST pebbles ≤1cm	AD10072428	30/06/2010	0.0044	0.00443	-0.0013	0.84	58.9	40	70	2.3	3.23	136	71.3	25.8	56.6	12.7	22.1
D	PHS201	Parsons Hood	361185	5383845		AD10072428	30/06/2010	0.0055	0.00523	-0.0013	1.06	72.2	20	70	1.36	5.42	186	93.1	32.6	75.8	18	24.5
D	PHS202	Parsons Hood	361193	5383864	yw-bn, soft, crumbly clods ≤5cm. Trace organics. Several angular + platy pebbles ≤1cm	AD10072428	30/06/2010	0.0044	0.0046	-0.0013	1.09	48.4	50	130	1.62	3.03	184	83.8	39.7	76.5	9.8	42
D	PHS203	Parsons Hood	361202	5383882	dbn, organic rich soil	AD10072428	30/06/2010	0.0038	0.00417	-0.0013	0.96	34.8	60	110	1.86	1.88	159	68.6	31.9	59.6	8.6	33.5
D	PHS204	Parsons Hood	361210	5383900	dbn-gy, root-bound, rock-bearing, crumbly clods ≤3cm. Numerous angular pebbles ww SST ≤2.5cm	AD10072428	30/06/2010	0.0054	0.00525	0.0013	0.85	57.5	130	80	1.82	2.67	157	69.4	27.3	52	11	27.4
D	PHS205	Parsons Hood	361218	5383918	lgy, hard, root-bound, irregular clods ≤2cm. Trace ww angular + platy pebbles ≤1.5cm	AD10072428	30/06/2010	0.0064	0.0065	-0.0013	1.28	34.9	100	130	1.77	2.5	154	80.4	41.3	72	10	36.3
D	PHS206	Parsons Hood	361226	5383937	lgy-bn, hard, grainy, root-bearing clods ≤2cm. Angular ww SST ≤1cm	AD10072428	30/06/2010	0.0041	0.00466	-0.0013	1	43.7	70	80	1.93	2.42	138	63.6	29.9	51.9	14	26.5
D	PHS207	Parsons Hood	361234	5383955	lbn-gy, hard, subangular, root-bearing clods ≤4cm. Numeous organics + weathered rock fragments ≤1cm	AD10072428	30/06/2010	0.0029	0.00313	-0.0013	1.12	30.1	110	120	2.07	1.9	132	72.6	35.9	64.1	11.2	33.6
D	PHS208	Parsons Hood	361242	5383973	mbn-gy, mod. Hard root-bearing clods ≤4cm. Angular + platy weathered pebbles ≤3cm	AD10072428	30/06/2010	0.0018	0.00177	-0.0013	1.13	57.8	60	140	2.06	1.98	169	86.9	37.4	78.7	12.7	33.9
D	PHS209	Parsons Hood	361250	5383992	mbn-gy, hard, root-bearing clods ≤2cm. Loose organics + numerous angular pebbles ≤1cm	AD10072428	30/06/2010	0.0007	0.00119	-0.0013	0.99	68.3	60	130	1.16	2.12	174	85	37.1	85.4	19.5	33.1
D	PHS210	Parsons Hood	361259	5384010	gy, hard clods ≤4cm. Angular + platy pebbles ≤1.5cm. No organics	AD10072428	30/06/2010	0.0027	0.00164	-0.0013	1.17	85.2	80	140	1.32	3.35	207	90.6	38.7	91.4	7.4	30.7
D	PHS211	Parsons Hood	361267	5384028	mbn-gy, hard, angular clods ≤4cm. Severla angular pebbles ≤1cm. No organics	AD10072428	30/06/2010	0.001	0.00155	-0.0013	1	30.7	60	180	0.93	1.43	222	90.8	30.8	85.6	12	30.2
D	PHS212	Parsons Hood	361275	5384046	lbn-og, hard, ≤1cm clods. Minor organics + trace angular pebbles ≤1cm	AD10072428	30/06/2010	0.0013	0.00111	-0.0013	0.82	22.4	70	190	0.88	0.83	193	80.4	31.3	77.9	13	30.4
D	PHS213	Parsons Hood	361283	5384065	mbn-gy, smushy root-bearing clods ≤3cm. Numerous roots + angular roch fragments ≤1cm	AD10072428	30/06/2010	0.0011	0.00153	-0.0013	0.83	15.2	70	230	1.2	0.6	176	71.6	34.2	101	10	37.2
D	PHS214	Parsons Hood	361291	5384083	mbn-rd, hard, root-bearing clods ≤1.5cm. Angular, elongate ww SST pebbles ≤1.5cm	AD10072428	30/06/2010	0.0021	0.00222	-0.0013	0.78	23.7	90	160	0.92	0.96	170	60.9	29.3	88.5	13.6	32.4
D	PHS215	Parsons Hood	361299	5384101	mbn-og, soft, crumbly, root-bearing clods ≤2.5cm. Angular + platy rock fragments.	AD10072428	30/06/2010	0.0021	0.0023	-0.0013	0.76	31.9	100	180	0.87	0.89	173	69.7	31.7	120	11.9	40.5
D	PHS216	Parsons Hood	361307	5384119	dbn, soft crumbly root-bearing clods ≤1cm. Platy + angular rock fragments ≤2cm	AD10072428	30/06/2010	0.0008	0.0011	-0.0013	0.72	11.1	10	50	0.5	0.31	76	32	8.7	24	26.2	14.4
D	PHS217	Parsons Hood	361316	5384138	bn wt, clumps of white fibrous root-bound fungal mat coated in thin veneer of brown soil	AD10072428	30/06/2010	0.004	0.00414	-0.0013	0.36	6.2	40	50	0.28	1.01	37	37.6	5.9	15.4	24.7	16.2
D	PHS218	Parsons Hood	361324	5384156	dbn-bk, soft, organic-bound clods ≤2cm. Several angular, elongate rock fragments ≤2cm + organics	AD10072428	30/06/2010	0.001	0.00125	-0.0013	0.34	9.7	30	80	0.36	0.64	28	23.6	5.1	10.5	25.6	16.1
D	PHS219	Parsons Hood	361332	5384174	dbn, soft, poorly formed, root-bearing clods ≤2cm. Subrounded SST pebbles ≤2cm	AD10072428	30/06/2010	0.0015	0.00111	-0.0013	0.39	9.2	20	80	0.51	0.61	63	37.2	11.4	17.6	19.1	18
D	PHS220	Parsons Hood	361596	5383292		AD10059546	4/06/2010	0.0008	0.00057	0.0025	1.02	13.1	20	80	0.47	1.07	83	35.3	14.6	18.2	20.4	15.9
D	PHS221	Parsons Hood	361604	5383310		AD10059546	4/06/2010	0.0012	0.00053	-0.0013	0.62	8.3	10	70	0.45	0.56	40	28.4	8.9	15	20.8	15.2
D	PHS222	Parsons Hood	361612	5383329		AD10059546	4/06/2010	0.0012	0.00052	-0.0013	0.63	6.6	10	50	0.31	0.49	39	24.2	6.2	14.7	13.8	10.2

Appendix A: Soil Sample Locations and Assays

H1000 H1001	Sample	Prospect	E MGA55 metres	N MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
D	PHS223	Parsons Hood	361620	5383347		AD10059546	4/06/2010	0.0009	0.00087	-0.0013	0.8	9.6	20	60	0.41	0.69	64	31.7	10.9	28.1	17.1	10.8
D	PHS224	Parsons Hood	361629	5383365		AD10059546	4/06/2010	0.0014	0.00074	-0.0013	0.63	9.9	10	60	0.45	0.68	62	31	10.6	28	15	11.1
D	PHS225	Parsons Hood	361637	5383383		AD10059546	4/06/2010	0.0014	0.0012	0.0013	0.6	11.6	10	70	0.77	0.93	86	36.2	15.5	38.8	16.4	12.9
D	PHS226	Parsons Hood	361645	5383402		AD10059546	4/06/2010	0.0013	0.00142	0.0013	0.78	29.5	40	80	0.95	0.98	176	49.8	24.7	51.9	14.4	12.8
D	PHS227	Parsons Hood	361653	5383420		AD10059546	4/06/2010	0.0006	0.0011	0.0025	0.7	34	30	110	1.09	0.53	200	75.3	32.4	59.2	15.6	16.6
D	PHS228	Parsons Hood	361661	5383438		AD10059546	4/06/2010	0.0008	0.00096	0.0025	0.91	32.9	30	100	0.73	0.52	263	75.1	30	57.2	15.1	14.2
D	PHS229	Parsons Hood	361669	5383456		AD10059546	4/06/2010	0.0015	0.0013	0.0025	0.8	49.3	40	140	0.79	0.79	240	74.5	32.7	53.5	22.7	19.6
D	PHS230	Parsons Hood	361678	5383475		AD10059546	4/06/2010	0.0012	0.00144	0.0025	0.84	47.2	40	150	0.86	0.93	205	81.3	41.4	55	19.4	22.3
D	PHS231	Parsons Hood	361686	5383493		AD10059546	4/06/2010	0.0006	0.00126	0.0025	0.77	45.1	60	170	0.97	0.97	205	88.7	46.4	54	16.9	23.1
D	PHS232	Parsons Hood	361694	5383511		AD10059546	4/06/2010	0.0013	0.00117	0.0025	0.83	41.3	60	160	0.83	1.08	192	80.5	39.6	48.8	33.9	22.4
D	PHS233	Parsons Hood	361702	5383529		AD10059546	4/06/2010	0.0012	0.00112	0.0013	0.76	42.4	20	140	0.8	0.97	179	76.2	34.1	39.1	23.7	21.5
D	PHS234	Parsons Hood	361710	5383548		AD10059546	4/06/2010	0.0019	0.00162	0.0025	0.73	57.7	30	120	0.73	1.56	179	85.8	34.4	38.1	21.8	20.6
D	PHS235	Parsons Hood	361718	5383566		AD10059546	4/06/2010	0.0037	0.00354	0.0013	0.69	55.5	50	150	0.83	1.51	188	84.9	29.9	44	33.2	21
D	PHS236	Parsons Hood	361726	5383584		AD10059546	4/06/2010	0.0011	0.00069	-0.0013	0.52	19	20	90	0.45	0.52	80	33.3	12.8	20.3	37.2	11.5
D	PHS237	Parsons Hood	361735	5383602		AD10059546	4/06/2010	0.0013	0.00088	-0.0013	0.44	18.7	20	80	0.34	0.35	67	30.5	14	21.3	24.8	11.4
D	PHS238	Parsons Hood	361743	5383621		AD10059546	4/06/2010	0.0016	0.00172	0.0013	0.9	35.5	50	160	0.51	0.47	200	49.5	30.2	40.3	23.4	21.5
D	PHS239	Parsons Hood	361751	5383639		AD10059546	4/06/2010	0.0012	0.00086	0.0013	0.61	21.8	40	110	0.61	0.49	147	54.7	26.2	42	27.8	16.2
D	PHS240	Parsons Hood	361759	5383657		AD10059546	4/06/2010	0.0006	0.00062	0.0013	0.57	30	50	120	0.74	0.49	128	56.5	27.4	47.8	35.3	18.3
D	PHS241	Parsons Hood	361767	5383676		AD10059546	4/06/2010	0.0006	0.00095	0.0013	0.76	20	60	170	0.7	0.44	200	72	35.3	61.5	26.3	21
D	PHS242	Parsons Hood	361775	5383694		AD10059546	4/06/2010	0.0015	0.00158	0.0013	0.95	18.2	70	220	0.63	0.48	198	66.9	34.3	60.5	31.3	24.1
D	PHS243	Parsons Hood	361783	5383712		AD10059546	4/06/2010	0.0018	0.00132	0.0013	0.68	9.9	80	200	0.38	0.46	89	38.8	15.2	25.7	25.7	20.3
D	PHS244	Parsons Hood	361792	5383730		AD10059546	4/06/2010	0.0016	0.0008	-0.0013	0.49	7	80	100	0.36	0.43	67	32.8	9.2	17.7	23.7	14.1
D	PHS245	Parsons Hood	361800	5383749		AD10059546	4/06/2010	0.0012	0.00061	0.0025	0.61	6.2	70	70	0.27	0.54	89	30.9	10.1	18.5	22.6	14.5
D	PHS246	Parsons Hood	361808	5383767		AD10059546	4/06/2010	0.0009	0.00045	-0.0013	0.46	4.4	40	60	0.34	0.35	58	25.6	6	23.3	22.2	9.6
D	PHS247	Parsons Hood	361674	5383227		AD10063286	4/06/2010	0.001	0.00055	-0.0013	0.7	10.6	20	60	0.46	0.7	58	33.6	10.5	15.7	20	11.9
D	PHS248	Parsons Hood	361682	5383245		AD10063286	4/06/2010	0.0007	0.00032	-0.0013	0.46	6	10	50	0.29	0.37	40	25.3	6.9	11.6	12.4	9.6
D	PHS249	Parsons Hood	361690	5383264		AD10063286	4/06/2010	0.0024	0.00076	-0.0013	0.59	9.9	20	50	0.45	0.64	51	37.9	10.5	20.6	18.6	12.4
D	PHS250	Parsons Hood	361698	5383282		AD10063286	4/06/2010	-0.0005	0.0003	-0.0013	0.54	4.4	20	40	0.36	0.39	38	23.1	7.3	18.5	15.8	8.6
D	PHS251	Parsons Hood	361706	5383300		AD10063286	4/06/2010	0.0009	0.00051	-0.0013	0.57	8.4	20	40	0.31	0.62	33	28.1	8.3	18.7	14.6	9.4
D	PHS252	Parsons Hood	361715	5383318		AD10063286	4/06/2010	0.0012	0.00056	-0.0013	0.84	7.9	30	50	0.56	0.62	99	36.6	20.6	33.8	12.2	11.5
D	PHS253	Parsons Hood	361723	5383337		AD10063286	4/06/2010	-0.0005	0.00046	-0.0013	0.72	10.9	20	80	0.85	0.56	137	60.2	29.8	54.6	16.1	22.1
D	PHS254	Parsons Hood	361731	5383355		AD10063286	4/06/2010	0.0009	0.0009	-0.0013	0.47	13.9	30	60	0.93	0.67	90	37	18.4	38.1	14.5	11.3
D	PHS255	Parsons Hood	361739	5383373		AD10063286	4/06/2010	0.0011	0.0008	-0.0013	0.4	18	30	70	1.07	0.41	115	44.7	21.8	44.5	12.9	11.6
D	PHS256	Parsons Hood	361747	5383392		AD10063286	4/06/2010	0.001	0.00067	-0.0013	0.4	11.7	30	80	1.05	0.31	99	45.3	22.3	50.1	14.7	10.9
D	PHS257	Parsons Hood	361755	5383410		AD10063286	4/06/2010	0.0008	0.00102	-0.0013	0.61	11.5	30	70	1.04	0.53	151	50.8	29.5	66.8	13.2	9.2
D	PHS258	Parsons Hood	361763	5383428		AD10063286	4/06/2010	0.0009	0.00072	-0.0013	0.53	11.5	40	80	1.34	0.4	150	70.1	36.5	85.2	15.1	13.5
D	PHS259	Parsons Hood	361771	5383446		AD10063286	4/06/2010	0.0037	0.00301	-0.0013	0.47	55.8	70	160	1.81	1.07	149	70.8	41.5	74.6	20.9	24.5
D	PHS260	Parsons Hood	361779	5383465		AD10063286	4/06/2010	0.0036	0.00325	-0.0013	0.53	64.3	70	130	1.26	1.31	175	85.3	40.2	69.3	20.3	21.2
D	PHS261	Parsons Hood	361788	5383483		AD10063286	4/06/2010	0.0018	0.00195	-0.0013	0.43	64.7	70	130	1.4	0.97	170	75.6	34.7	65	17.5	19.1
D	PHS262	Parsons Hood	361796	5383501		AD10063286	4/06/2010	0.0008	0.00132	-0.0013	0.49	41.6	60	100	1.06	0.95	140	79.7	36	66.2	22.6	16.2
D	PHS263	Parsons Hood	361804	5383519		AD10063286	4/06/2010	0.0019	0.00114	-0.0013	0.62	31.6	20	110	0.91	0.7	171	77.2	41	63.7	33.1	17
D	PHS264	Parsons Hood	361812	5383538		AD10063286	4/06/2010	0.0007	0.00078	-0.0013	0.43	23.4	20	90	0.86	0.48	108	63.3	29.2	48.5	31.9	12.7
D	PHS265	Parsons Hood	361820	5383556		AD10063286	4/06/2010	0.0009	0.00101	-0.0013	0.45	27.2	20	100	1.08	0.46	146	69.9	35.4	59.4	27.3	14.5
D	PHS266	Parsons Hood	361828	5383574		AD10063286	4/06/2010	0.0008	0.00066	-0.0013	0.37	19.5	20	90	1.24	0.46	123	66.8	33.1	55.8	33.2	12.4
D	PHS267	Parsons Hood	361836	5383593		AD10063286	4/06/2010	-0.0005	0.00062	-0.0013	0.51	20.5	20	100	1.07	0.5	198	73.8	52.7	70	24	13
D	PHS268	Parsons Hood	361844	5383611		AD10063286	4/06/2010	-0.0005	0.00057	-0.0013	0.46	21.8	30	110	1.15	0.56	141	76.4	44	71.2	25.2	15.8
D	PHS269	Parsons Hood	361852	5383629		AD10063286	4/06/2010	0.0011	0.00111	-0.0013	0.52	65	30	90	0.56	1.93	122	49.7	24.5	42.6	23.6	14.1
D	PHS270	Parsons Hood	361861	5383647		AD10063286	4/06/2010	0.0008	0.00072	-0.0013	0.6	22.1	30	80	0.59	0.91	141	56.3	22.1	57	24.8	13.5
D	PHS271	Parsons Hood	361869	5383666		AD10063286	4/06/2010	-0.0005	0.00039	-0.0013	0.49	10.3	-10	60	0.51	0.43	97	52	15.8	49.3	21	11.8
D	PHS272	Parsons Hood	361877	5383684		AD10063286	4/06/2010	-0.0005	0.00031	0.0013	0.55	4.7	30	50	0.54	0.27	119	45	16.3	49.8	13.6	10.5
D	PHS273	Parsons Hood	361885	5383702		AD10063286	4/06/2010	0.0007	0.00025	-0.0013	0.52	2.9	30	50	0.4	0.2	91	37.8	8.9	45.9	14.3	7.4
D	PHS274	Parsons Hood	361740	5383175		AD10063286	4/06/2010	-0.0005	0.00039	-0.0013	0.63	11.1	30	50	0.55	0.72	98	34.6	14.2	19.6	20.4	9.7
D	PHS275	Parsons Hood	361748	5383193		AD10063286	4/06/2010	0.0008	0.00039	-0.0013	0.57	9.9	40	50	0.48	0.81	70	31.5	13.7	19.4	19.3	11
D	PHS276	Parsons Hood	361756	5383212		AD10063286	4/06/2010	0.0007	0.00028	-0.0013	0.46	7.4	30	50	0.41	0.47	49	27.9	9.2	14.5	14.9	9.7
D	PHS277	Parsons Hood	361764	5383230		AD10063286	4/06/2010	0.0011	0.00049	-0.0013	0.91	7.7	40	70	0.53	0.61	73	30.8	17	20.7	12.4	12.2
D	PHS278	Parsons Hood	361773	5383248		AD10063286	4/06/2010	-0.0005	0.00041	-0.0013												

Appendix A: Soil Sample Locations and Assays

H1000	Sample	Prospect	E MGA55 metres	N MGA55 metres	Description	Batch	Date	Sn_XRF05 %	Sn_MS62 %	WO3 %	Ag ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Cr ppm	Cu ppm	Li ppm	Ni ppm	Pb ppm	Rb ppm
H1001																						
D	PHS283	Parsons Hood	361813	5383339		AD10063286	4/06/2010	-0.0005	0.00072	-0.0013	0.87	16.1	30	70	0.91	0.75	154	52.5	29.9	49.5	15	14.3
D	PHS284	Parsons Hood	361821	5383358		AD10063286	4/06/2010	0.0012	0.00156	-0.0013	0.74	32.2	40	90	1.17	1.01	185	77.7	39	72.7	16.4	13.4
D	PHS285	Parsons Hood	361830	5383376		AD10063286	4/06/2010	0.0025	0.00259	-0.0013	0.83	57	40	110	1.11	1.92	220	92	35	74.9	18.7	15.4
D	PHS286	Parsons Hood	361838	5383394		AD10063286	4/06/2010	0.0012	0.00144	-0.0013	0.76	51.5	50	110	1.19	1.29	168	114	37.5	62	19.3	16
D	PHS287	Parsons Hood	361846	5383412		AD10063286	4/06/2010	0.0016	0.0018	-0.0013	0.84	56.8	50	150	0.75	1.06	213	78.6	33.3	60.4	20.9	19
D	PHS288	Parsons Hood	361854	5383431		AD10063286	4/06/2010	0.0014	0.00122	-0.0013	0.69	35.3	50	120	1.2	0.81	168	85.3	45.5	70	34	16.4
D	PHS289	Parsons Hood	361862	5383449		AD10063286	4/06/2010	0.0013	0.0016	-0.0013	1.09	34.6	60	150	0.6	0.68	214	66.2	33.1	62.7	20.7	17.5
D	PHS290	Parsons Hood	361870	5383467		AD10063286	4/06/2010	0.0012	0.00173	-0.0013	0.84	34.8	60	130	0.86	0.84	175	73	41.7	71.4	34.9	18
D	PHS291	Parsons Hood	361879	5383486		AD10063286	4/06/2010	0.002	0.00208	-0.0013	0.7	37.4	60	140	1.15	1.12	163	78	41.2	55.1	21	17.6
D	PHS292	Parsons Hood	361887	5383504		AD10063286	4/06/2010	0.0024	0.00254	-0.0013	0.59	31.5	60	120	0.82	0.87	100	51.7	21.9	33.5	30.4	14.3
D	PHS293	Parsons Hood	361895	5383522		AD10063286	4/06/2010	0.0008	0.00089	-0.0013	0.73	22.1	50	80	0.69	0.76	86	37.3	13.9	28.9	35.6	10.3
D	PHS294	Parsons Hood	361903	5383540		AD10063286	4/06/2010	0.0006	0.00037	-0.0013	0.38	18.8	50	50	1.07	0.49	81	47.3	10.7	28.4	27.1	6.3
D	PHS295	Parsons Hood	361911	5383559		AD10063286	4/06/2010	0.0023	0.00044	-0.0013	0.75	7.8	10	60	0.6	0.47	100	47	22.5	65.3	15.8	9.6
D	PHS296	Parsons Hood	361919	5383577		AD10063286	4/06/2010	0.0006	0.00031	-0.0013	0.48	4.1	20	80	0.77	0.34	68	40.5	17	47.8	18.6	10.9
D	PHS297	Parsons Hood	361927	5383595		AD10063286	4/06/2010	-0.0005	0.00032	-0.0013	0.74	4.1	10	60	0.55	0.26	114	44.1	17.5	57.9	11.8	9.5
D	PHS298	Parsons Hood	361936	5383613		AD10063286	4/06/2010	-0.0005	0.00032	-0.0013	0.5	4.9	20	50	0.44	0.4	64	44.9	11	34.7	20.9	9.2
D	PHS299	Parsons Hood	361944	5383632		AD10063286	4/06/2010	0.0007	0.00029	-0.0013	0.63	4.9	20	60	0.53	0.37	77	48.8	16	45.4	21.6	13.3
EOF																						

Appendix B

Stream Sediment Sample Locations and Assays

Appendix B: page 1 of 1

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Appendix C

Rock Chip Sample Locations and Assays

Appendix C: Rock Chip Sample Locations and Assays

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Appendix D

Drill Hole Collars

Appendix D: Drill Hole Collars

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Appendix D: Drill Hole Collars

H1000 H1001	Hole	Prospect	E_MGA55 metres	N_MGA55 metres	RL2000 metres	Azi_MGA degrees	Plunge degrees	EOH_m metres	Surv_method	Surv_comments	Dtype	DContractor	DRig	Dsizes	Date_started	Date_finished
D	ML159	Waterhouse	359870.9	5382354.3	2411.6	23.6	-44.7	137.5	Trigpoint_TS		DDH-HQNQ	Almac	AD900	0-59.6HQ59.6-133.5NQ	3/02/2010	23/02/2010
D	ML160	Main Skarn	360940.6	5382342.3	2446.3	24.3	-48.7	190.5	Trigpoint_TS		DDH-HQNQ	Almac	LY38	0- 6.6HQ6.6-190.5NQ	4/02/2010	17/02/2010
D	ML161	No2 Skarn	361449.3	5382157.4	2435.1	27.2	-26.5	63.2	Trigpoint_TS		DDH-HQNQ	Boart Longyear	LM75	0-3.0PQ,3.0-55.0HQ	11/02/2010	15/02/2010
D	ML162	No2 Skarn	361588.6	5382122	2371.5	15.5	-32.8	176.8	Trigpoint_TS		DDH-HQNQ	Boart Longyear	LM75	0-4.0PQ,4.0-78.0HQ,78.0-177.0NQ	18/02/2010	25/02/2010
D	ML163	Main Skarn	360761	5382474.6	2523.7	30.9	-35.2	151.8	Trigpoint_TS	resurveyed by Trigpoint 23/6/2010	DDH-PQHQNQ	Boart Longyear	LM75	0-2.0PQ,2.0-62.0HQ,62.0-151.80NQ	1/03/2010	9/03/2010
D	ML164	No2 Skarn	361642.2	5381967.6	2379.6	36.2	-45.1	310.6	Trigpoint_TS		DDH-HQNQ	Boart Longyear	LM75	0-2.0PQ,2.0-178.0HQ,178.0-310.0NQ	10/03/2010	15/03/2010
D	ML165	No1 Skarn	360720.1	5382226.1	2475.4	23.8	-56.2	270	Trigpoint_TS	Observed to short stem pipe	DDH-HQNQ	VDH	LY38	0-12m PQ, 12-52m HQ, 52-262.8m NQ	14/05/2010	31/05/2010
D	ML166	No1 Skarn	360358.2	5382226.2	2561.1	32.4	-39.5	379.2	Trigpoint_TS	No stem pipe	DDH-HQNQ	VDH	LY38	0-22.8m HQ, 22.8-379.2m NQ	3/06/2010	25/06/2010
D	ML167	Main Skarn	361095.4	5382271.5	2468.4	9.2	-58.8	248.4	Trigpoint_TS	same azimuth as ML170	DDH-HQNQ	VDH	LY44	0-23.6m HQ, 23.60-248.4m NQ	9/06/2010	23/06/2010
D	ML168	Main Skarn	361095.5	5382271.8	2468.5	9.2	-48.2	189.2	Trigpoint_TS	same azimuth as ML170	DDH-HQNQ	VDH	LY44	0-29.1m HQ, 29.1-189.2m NQ	23/06/2010	29/06/2010
D	ML169	No1 Skarn	360357.7	5382225.5	2561.2	29.6	-55.1	358.4	Trigpoint_TS	Observed with rig in place	DDH-HQNQ	VDH	LY38	0-102.7m HQ, 102.7-358.4m NQ	27/06/2010	21/07/2010
D	ML170	Main Skarn	361095.2	5382270.9	2468.5	9.2	-72.6	281.5	Trigpoint_TS	done with rig on hole	DDH-HQNQ	VDH	LY44	0-29.3m HQ, 29.3-281.5m NQ	30/06/2010	9/07/2010
D	ML171	No2 Skarn	361174.4	5382493.2	2520.7	39	-58	120.9	Trigpoint_TS	misidentified as ML172, azi as for ML172, plunge is design	DDH-HQNQ	Spauldings	KL800	0-39.0m HQ; 39.0-120.9m NQ	30/06/2010	7/06/2010
D	ML172	No2 Skarn	361174.1	5382493	2520.7	39	-73.2	195	Trigpoint_TS	misidentified as ML174	DDH-HQNQ	Spauldings	KL800	0- HQ	8/06/2010	20/07/2010
D	ML173	Main Skarn	360649	5382554.1	2579.5	14.9	-53.1	155	Trigpoint_TS	ML173?	DDH-HQNQ	Edrill	UDR200	0-155.0m HQ	9/07/2010	15/07/2010
D	ML175	Main Skarn	360653.5	5382551.9	2579.5	41.9	-64.8	173.1	Trigpoint_TS		DDH-HQ	Edrill	UDR200	0-173.1m HQ	15/07/2010	20/07/2010
D	RW002	Reward	358027	5382235	2233.7	35	-45	213.5	Garmin GPS60CSx	DESIGN	DDH-HQNQ	Almac	LY38	0-121HQ,121-213.5NQ	15/12/2009	11/01/2010
D	RW003	Reward	357855	5382371	2235	45	-50	178.4	Garmin GPS60CSx		DDH-HQNQ	VDH	LY38	0-121HQ,121-178.4NQ	22/02/2010	12/03/2010
D	RW004	Reward	357907	5382345	2234	45	-40	165	Garmin GPS60CSx		DDH-HQNQ	VDH	LY44	0-9m PQ,9-93.0HQ,93.0-165.0NQ	7/04/2010	16/04/2010
D	RW005	Reward	357935	5382307	2235	50	-45	193	Garmin GPS60CSx		DDH-HQNQ	VDH	LY38	0-6m HWT, 6-20m HQ, 20-193m NQ	12/04/2010	26/04/2010
D	RW006	Reward	358054	5382280	2233	45	-40	166	Garmin GPS60CSx		DDH-HQNQ	VDH	LY44	0-4m HWT, 4-56.6m HQ, 56.6-166m NQ	22/04/2010	27/04/2010
D	RW007	Reward	357935	5382307	2235	50	-57	178	Garmin GPS60CSx		DDH-HQNQ	VDH	LY38	0-3m HWT, 3-6.7m HQ, 6.7-178m NQ	28/04/2010	10/05/2010
EOF																

Appendix E

Down Hole Orientation Surveys

Appendix E: Down Hole Orientation Surveys

H0002	Version	3						
H0003	Date generated	28/7/2010						
H0004	Reporting period end date	22/8/2010						
H0005	State	TAS						
H0100	Tenement	EL21/2005						
H0101	Tenement holder	Venture Minerals Ltd						
H0102	Project name	Mt Lindsay						
H0106	Tenement operator	Venture Minerals Ltd						
H0150	250K map sheet	SK5503 Burnie						
H0151	100K map sheet	7914 Pieman						
H0152	50K map sheet	na						
H0153	25K map sheet	3437 Stringer, 3438 Livingstone, 3637 Rosebury, 3638 Parsons, 3639 Ramsay						
H0200	Start date of data acquisition	22/8/2009						
H0201	End date of data acquisition	28/7/2010						
H0202	Data format	SG3						
H0203	Number of data records	682						
H0204	Date of metadata update	28/7/2010						
H0500	Feature Located	Down Hole Survey Point						
H0501	Geodetic datum	GDA94						
H0502	Vertical datum	not applicable						
H0503	Projection	MGA						
H0531	Projection zone	55						
H0532	Surveying instrument	see data						
H0533	Surveying Company	see data						
H0900	Remarks:							
H1000	Hole	Depth	Azimuth MGA	Plunge	Device	Surveyed by	Date	Comments
H1001		metres	degrees	degrees				
D	LV016	0	66.5	-41.2	Trigpoint TS	Trigpoint TS	16/06/2010	should have been set up at 060 MGA
D	LV016	55	67	-43	Eastman	Van Dieman Holdings	25/09/2009	magnetic interference, extrapolated azimuth
D	LV016	120	68	-44.8	Eastman	Van Dieman Holdings	26/09/2009	magnetic interference, extrapolated azimuth
D	LV016	175	69	-44.9	Eastman	Van Dieman Holdings	27/09/2009	magnetic interference, extrapolated azimuth
D	LV017	0	72.4	-62.7	Trigpoint TS	Trigpoint TS	16/06/2010	should have been set up at 060 MGA
D	LV017	100	72	-64.8	Eastman	Van Dieman Holdings	15/10/2009	magnetic interference, extrapolated azimuth
D	LV017	145	73	-65	Eastman	Van Dieman Holdings	15/10/2009	magnetic interference, extrapolated azimuth
D	LV018	0	60	-45	compass & clinometer	Design		
D	LV018	50	60	-44	Eastman	Van Dieman Holdings	3/12/2009	magnetic interference, design azimuth used
D	LV018	100	60	-44	Eastman	Van Dieman Holdings	4/12/2009	magnetic interference, design azimuth used
D	LV018A	0	60	-45	compass & clinometer	Design		
D	LV019	0	50	-60	Compass	Design	16/06/2010	collar not identified by Trigpoint
D	LV020	0	61	-57.3	Trigpoint TS	Trigpoint TS	16/06/2010	
D	LV021	0	60	-60	compass	Design		
D	LV021	100	64	-64	Eastman	Van Dieman Holdings	17/07/2010	inside casing, interpolated azimuth
D	LV021	150	65	-65	Eastman	Van Dieman Holdings	17/07/2010	inside casing, interpolated azimuth
D	LV021	200	66.9	-63	Eastman	Van Dieman Holdings	17/07/2010	
D	LV021	250	66.9	-64	Eastman	Van Dieman Holdings	17/07/2010	
D	LV021	300	66.9	-63.1	Eastman	Van Dieman Holdings	17/05/2010	
D	LV021	355	67	-63	Eastman	Van Dieman Holdings		magnetic interference, extrapolated azimuth
D	LV022	0	83.5	-41.6	Trigpoint TS	Trigpoint TS		collar incorrectly identified by Trigpoint as LV019
D	LV022	50	86	-46	Eastman	Van Dieman Holdings	16/03/2010	magnetic interference, extrapolated azimuth
D	LV022	100	88	-46.1	Eastman	Van Dieman Holdings	16/03/2010	magnetic interference, extrapolated azimuth
D	LV022	150	90	-47.9	Eastman	Van Dieman Holdings	22/03/2010	magnetic interference, extrapolated azimuth
D	LV022	180	92	-48.5	Eastman	Van Dieman Holdings	22/03/2010	magnetic interference, extrapolated azimuth
D	LV023	0	45	-40	Compass	Design		
D	LV023	37	44.9	-41.1	Eastman	Van Dieman Holdings	25/03/2010	
D	LV024	0	45	-60		Design		
D	LV024	60	45	-61.4	Eastman	Van Dieman Holdings	22/04/2010	no azimuth, design used
D	LV025	0	42.2	-38.8	Trigpoint TS	Trigpoint TS	16/06/2010	
D	LV025	110	43.9	-42	Eastman	Van Dieman Holdings	9/05/2010	
D	LV025	160	43.9	-50	Eastman	Van Dieman Holdings	10/05/2010	
D	LV026	0	40.1	-59.8	Trigpoint TS	Trigpoint TS	16/06/2010	
D	LV026	50	40	-62	Eastman	Van Dieman Holdings	18/05/2010	can not read azimuth, use collar azimuth
D	LV026	100	40	-63	Eastman	Van Dieman Holdings	18/05/2010	can not read azimuth, use collar azimuth
D	LV027	0	37.1	-39.9	Trigpoint TS	Trigpoint TS	16/06/2010	collar design azimuth
D	LV027	50	37.1	-42	Eastman	Van Dieman Holdings	18/05/2010	no azimuth, use collar azimuth
D	LV028	0	51.4	-44	Trigpoint TS	Trigpoint TS	16/06/2010	
D	LV028	50	53	-44.8	Eastman	Van Dieman Holdings	2/06/2010	magnetic interference suspected, extrapolated azimuth
D	LV028	100	55	-43	Eastman	Van Dieman Holdings	2/06/2010	magnetic interference suspected, extrapolated azimuth
D	LV028	150	57.9	-44	Eastman	Van Dieman Holdings	9/06/2010	
D	LV028	200	58	-44	Eastman	Van Dieman Holdings	16/06/2010	magnetic interference, extrapolated azimuth
D	LV028	220	59	-43	Eastman	Van Dieman Holdings	16/06/2010	magnetic interference, extrapolated azimuth
D	LV029	0	40	-60		Design		
D	LV029	70	40	-62	Eastman	Van Dieman Holdings	30/05/2010	no bearing on photo, assumed collar azimuth
D	LV029	120	40	-61	Eastman	Van Dieman Holdings	4/06/2010	magnetic interference suspected, extrapolated azimuth
D	LV029	190	40	-62	Eastman	Van Dieman Holdings	4/06/2010	magnetic interference suspected, extrapolated azimuth
D	LV030	0	225	-65		Design		
D	LV030	50	222	-65.5	Eastman	Van Dieman Holdings	29/06/2010	magnetic interference, interpolated azimuth
D	LV030	100	217.9	-67.5	Eastman	Van Dieman Holdings	29/06/2010	
D	LV030	130	217.9	-68.5	Eastman	Van Dieman Holdings	29/06/2010	
D	ML133	0	32.8	-51.5	Trigpoint TS	Trigpoint TS	16/06/2010	should have been set up at 015 MGA, arghhh...
D	ML133	50	33	-50.5	Eastman	Van Dieman Holdings	11/08/2009	interpolated azimuth
D	ML133	100	33.9	-51	Eastman	Van Dieman Holdings	11/08/2009	
D	ML133	150	33	-51	Eastman	Van Dieman Holdings	12/08/2009	interpolated azimuth
D	ML133	202	32.9	-51	Eastman	Van Dieman Holdings	17/08/2009	
D	ML133	250	31.9	-51	Eastman	Van Dieman Holdings	22/08/2009	
D	ML133	298	33.9	-51	Eastman	Van Dieman Holdings	24/08/2009	
D	ML133	350	31.9	-51.5	Eastman	Van Dieman Holdings	27/08/2009	
D	ML134	0	39.3	-53.8	Trigpoint TS	Trigpoint TS	4/05/2010	
D	ML134	50	35.9	-56	Eastman	Van Dieman Holdings	9/09/2009	
D	ML134	100	33.9	-56	Eastman	Van Dieman Holdings	10/09/2009	
D	ML134	150	33.9	-55.5	Eastman	Van Dieman Holdings	14/09/2009	mag interference, interpolated azimuth used
D	ML134	200	33.9	-56	Eastman	Van Dieman Holdings	16/09/2009	
D	ML134	234	31.9	-56	Eastman	Van Dieman Holdings	17/09/2009	
D	ML135	0	40	-70.5	Trigpoint TS	Trigpoint TS	4/05/2010	
D	ML135	100	39	-70	Eastman	Van Dieman Holdings	16/09/2009	magnetic interference, interpolated azimuth used
D	ML135	150	37.9	-70	Eastman	Van Dieman Holdings		
D	ML135	200	37	-70	Eastman	Van Dieman Holdings	22/09/2009	magnetic interference, extrapolated azimuth used
D	ML135	250	36	-70	Eastman	Van Dieman Holdings	24/09/2009	magnetic interference, extrapolated azimuth used
D	ML136	0	37.7	-51.7	Trigpoint TS	Trigpoint TS	25/06/2010	
D	ML136	50	37.1	-52.5	Eastman	Van Dieman Holdings	30/09/2009	magnetic interference, use collar azimuth
D	ML136	100	37.1	-53	Eastman	Van Dieman Holdings	30/09/2009	magnetic interference, use collar azimuth
D	ML136	150	37.1	-53.5	Eastman	Van Dieman Holdings	1/10/2009	magnetic interference, use collar azimuth
D	ML137	0	16.5	-46.6	Trigpoint TS	Trigpoint TS	4/05/2010	
D	ML137	50	17	-48.5	Eastman	Van Dieman Holdings	9/10/2009	magnetic interference, interpolated azimuth used

Appendix E: Down Hole Orientation Surveys

H1000	Hole	Depth	Azimuth MGA	Plunge	Device	Surveyed_by	Date	Comments
H1001		metres	degrees	degrees				
D	ML137	99.7	17	-48	Eastman	Van Dieman Holdings	12/10/2009	magnetic interference, interpolated azimuth used
D	ML137	150	17	-48	Eastman	Van Dieman Holdings	13/10/2009	magnetic interference, interpolated azimuth used
D	ML137	202	18	-47	Eastman	Van Dieman Holdings	13/10/2009	magnetic interference, interpolated azimuth used
D	ML137	250	18	-48	Eastman	Van Dieman Holdings	15/10/2009	magnetic interference, interpolated azimuth used
D	ML137	300	18.4	-48	Eastman	Van Dieman Holdings	19/10/2009	
D	ML137	350	18.9	-47	Eastman	Van Dieman Holdings	21/10/2009	
D	ML137	388	19	-47	Eastman	Van Dieman Holdings	22/10/2009	magnetic interference, extrapolated azimuth used
D	ML138	0	49.5	-49.5	Trigpoint TS	Trigpoint TS	25/06/2010	set up azimuth should have been 065 MGA
D	ML138	50	50	-51	Eastman	Van Dieman Holdings	8/10/2009	magnetic interference, extrapolated azimuth
D	ML138	100	51	-52	Eastman	Van Dieman Holdings	14/10/2009	magnetic interference, extrapolated azimuth
D	ML138	150	52	-51.5	Eastman	Van Dieman Holdings	16/10/2009	magnetic interference, extrapolated azimuth
D	ML138	200	53	-51.5	Eastman	Van Dieman Holdings	19/10/2009	magnetic interference, extrapolated azimuth
D	ML139	0	51.5	-37.4	Trigpoint TS	Trigpoint TS	25/06/2010	set up azimuth should have been 065 MGA
D	ML139	50	51	-38.5	Eastman	Van Dieman Holdings	22/10/2009	magnetic interference, extrapolated azimuth
D	ML139	100	52	-39	Eastman	Van Dieman Holdings	25/10/2009	magnetic interference, extrapolated azimuth
D	ML139	150	53	-40	Eastman	Van Dieman Holdings	26/10/2009	magnetic interference, extrapolated azimuth
D	ML139	184.5	54.9	-39.5	Eastman	Van Dieman Holdings	27/10/2009	
D	ML140	0	28.4	-32.9	Trigpoint TS	Trigpoint TS	7/05/2010	
D	ML140	90	30	-33.7	Eastman	Boart Longyear	3/11/2009	magnetic interference, extrapolated azimuth
D	ML140	140	31	-30.9	Eastman	Boart Longyear	8/11/2009	magnetic interference, extrapolated azimuth
D	ML140	190	32	-27.6	Eastman	Boart Longyear	5/11/2009	magnetic interference, extrapolated azimuth
D	ML140	240	33	-24.3	Eastman	Boart Longyear	10/11/2009	magnetic interference, extrapolated azimuth
D	ML141	0	215.9	-37.2	Trigpoint TS	Trigpoint TS	15/04/2010	
D	ML141	50	217.9	-40	Eastman	Van Dieman Holdings	4/11/2009	
D	ML141A	0	215	-40	GPS & compass	DESIGN		azimuth approximate
D	ML141A	100	213.9	-40	Eastman	Van Dieman Holdings	13/11/2009	
D	ML141A	150	213.9	-39	Eastman	Van Dieman Holdings	24/11/2009	
D	ML141A	202	214.9	-39	Eastman	Van Dieman Holdings	24/11/2009	
D	ML142	0	42.8	-51.8	Trigpoint TS	Trigpoint TS	4/05/2010	
D	ML142	50	42.8	-50.5	Eastman	Van Dieman Holdings	9/11/2009	magnetic interference, collar azimuth used
D	ML142	100	42.8	-50.75	Eastman	Van Dieman Holdings	11/11/2009	magnetic interference, collar azimuth used
D	ML142	150	42.8	-51	Eastman	Van Dieman Holdings	17/11/2009	magnetic interference, collar azimuth used
D	ML142	197.5	42.8	-50.25	Eastman	Van Dieman Holdings	17/11/2009	magnetic interference, collar azimuth used
D	ML143	0	26.2	-34.7	Trigpoint TS	Trigpoint TS	7/05/2010	
D	ML143	150	27	-34.7	Reflex	Boart Longyear	24/11/2009	magnetic interference, extrapolated azimuth
D	ML143	200	28	-34.1	Reflex	Boart Longyear	24/11/2009	magnetic interference, extrapolated azimuth
D	ML143	250	30	-33.4	Reflex	Boart Longyear	25/11/2009	magnetic interference, extrapolated azimuth
D	ML144	0	26.1	-54.7	Trigpoint TS	Trigpoint TS	4/05/2010	
D	ML144	50	26.4	-57	Eastman	Van Dieman Holdings		
D	ML144	100	26.9	-57	Eastman	Van Dieman Holdings	26/11/2009	
D	ML144	150	25.4	-57	Eastman	Van Dieman Holdings	6/01/2010	
D	ML144	200	25.4	-57	Eastman	Van Dieman Holdings	14/12/2009	magnetic interference, interpolated azimuth used
D	ML144	250	25.4	-57	Eastman	Van Dieman Holdings	6/01/2010	
D	ML144	271.7	25.9	-57	Eastman	Van Dieman Holdings	6/01/2010	
D	ML145	0	218.9	-64.5	Trigpoint TS	Trigpoint TS	15/04/2010	
D	ML145	50	216.9	-65	Eastman	Van Dieman Holdings	27/11/2009	
D	ML145	100	217	-64	Eastman	Van Dieman Holdings	2/12/2009	magnetic interference, interpolated azimuth
D	ML145	151	217	-64	Eastman	Van Dieman Holdings	4/12/2009	magnetic interference, interpolated azimuth
D	ML146	0	26.6	-32.5	Trigpoint TS	Trigpoint TS	7/05/2010	
D	ML146	50	27	-34	Reflex	Boart Longyear	1/12/2009	
D	ML146	100	27	-34.6	Reflex	Boart Longyear	1/12/2009	magnetic interference, extrapolated azimuth
D	ML146	150	28	-34.4	Reflex	Boart Longyear	7/12/2009	mag dip -70.1, magnetic interference, extrapolated azimuth
D	ML146	200	28	-34.1	Reflex	Boart Longyear	7/12/2009	mag dip -71.1, magnetic interference, extrapolated azimuth
D	ML146	250	29	-33.5	Reflex	Boart Longyear	9/12/2009	mag dip -66.6, magnetic interference, extrapolated azimuth
D	ML146	290	30	-33.1	Reflex	Boart Longyear	9/12/2009	mag dip -67.9, magnetic interference, extrapolated azimuth
D	ML147	0	29.1	-53.1	Trigpoint TS	Trigpoint TS	7/05/2010	
D	ML147	50	30.5	-54.9	Reflex	Boart Longyear	13/12/2009	
D	ML147	100	30.5	-54.9	Reflex	Boart Longyear	14/12/2009	mag dip -72.2
D	ML147	150	30	-56	Reflex	Boart Longyear	15/12/2009	mag dip -66.5, magnetic interference, interpolated azimuth
D	ML147	200	30	-55.9	Reflex	Boart Longyear	16/12/2009	mag dip -67.2, magnetic interference, interpolated azimuth
D	ML147	250	29.5	-56	Reflex	Boart Longyear	17/12/2009	mag dip -60.6
D	ML147	300	29	-56.2	Reflex	Boart Longyear	18/12/2009	mag dip -71.2, magnetic interference, interpolated azimuth
D	ML147	350	29	-56.4	Reflex	Boart Longyear	21/12/2009	magnetic interference, interpolated azimuth
D	ML147	405	29	-56.4	Reflex	Boart Longyear	22/12/2009	magnetic interference, interpolated azimuth
D	ML148	0	188.5	-48.6	Trigpoint TS	Trigpoint TS	15/04/2010	
D	ML148	50	189	-53	Eastman	Van Dieman Holdings	14/12/2009	magnetic interference, interpolated azimuth
D	ML148	100	190	-52.5	Eastman	Van Dieman Holdings	16/12/2009	magnetic interference, interpolated azimuth
D	ML148	152	192	-52	Eastman	Van Dieman Holdings	16/12/2009	magnetic interference, interpolated azimuth
D	ML148	200.5	194.9	-52	Eastman	Van Dieman Holdings	18/12/2009	
D	ML149	0	193.6	-67.6	Trigpoint TS	Trigpoint TS	15/04/2010	
D	ML149	50	195	-68.5	Eastman	Van Dieman Holdings	21/12/2009	magnetic interference, interpolated azimuth
D	ML149	104	197.9	-68	Eastman	Van Dieman Holdings	5/01/2010	
D	ML149	150	199	-67	Eastman	Van Dieman Holdings	6/01/2010	
D	ML149	200	200.9	-66	Eastman	Van Dieman Holdings	8/01/2010	
D	ML150	0	34.5	-40.7	Trigpoint TS	Trigpoint TS	7/05/2010	
D	ML150	50	36	-41.9	Reflex	Boart Longyear	7/01/2010	magnetic interference, interpolated azimuth
D	ML150	100	37.3	-42.5	Reflex	Boart Longyear	10/01/2010	
D	ML150	150	38.2	-42.8	Reflex	Boart Longyear	12/01/2010	
D	ML150	200	38	-42.6	Reflex	Boart Longyear	12/01/2010	magnetic interference, extrapolated azimuth
D	ML150	250	39	-42.4	Reflex	Boart Longyear	13/01/2010	magnetic interference, extrapolated azimuth
D	ML150	280	40	-41.7	Reflex	Boart Longyear	14/01/2010	magnetic interference, extrapolated azimuth
D	ML151	0	20.4	-44.1	Trigpoint TS	Trigpoint TS	15/04/2010	
D	ML151	50	20.3	-44	Eastman	Van Dieman Holdings	12/01/2010	magnetic interference, collar azimuth used
D	ML151	100	21	-43.5	Eastman	Van Dieman Holdings	14/01/2010	magnetic interference, extrapolated azimuth used
D	ML151	175	23	-43	Eastman	Van Dieman Holdings	27/01/2010	magnetic interference, extrapolated azimuth used
D	ML152	0	25.7	-62.1	Trigpoint TS	Trigpoint TS	4/05/2010	
D	ML152	50	24.9	-63	Eastman	Van Dieman Holdings	18/01/2010	
D	ML152	100	26.9	-62	Eastman	Van Dieman Holdings	20/10/2010	
D	ML152	150	26.9	-62	Eastman	Van Dieman Holdings	21/01/2010	
D	ML152	200	27.9	-63	Eastman	Van Dieman Holdings	25/01/2010	
D	ML152	250	28	-63	Eastman	Van Dieman Holdings		magnetic interference, extrapolated azimuth used
D	ML153	0	29.1	-43.2	Trigpoint TS	Trigpoint TS	7/05/2010	
D	ML153	50	29	-42	Eastman	Van Dieman Holdings	18/01/2010	magnetic interference, extrapolated azimuth
D	ML153	100	29	-41.75	Eastman	Van Dieman Holdings	20/01/2010	magnetic interference, extrapolated azimuth
D	ML153	150	29	-41	Eastman	Van Dieman Holdings	26/01/2010	magnetic interference, extrapolated azimuth
D	ML153	200	30	-40	Eastman	Van Dieman Holdings	28/01/2010	magnetic interference, extrapolated azimuth
D	ML153	250	30	-39	Eastman	Van Dieman Holdings	29/01/2010	magnetic interference, extrapolated azimuth
D	ML153	300	32	-38.5	Eastman	Van Dieman Holdings	1/02/2010	magnetic interference, extrapolated azimuth

Appendix E: Down Hole Orientation Surveys

H1000	Hole	Depth	Azimuth MGA	Plunge	Device	Surveyed_by	Date	Comments
H1001		metres	degrees	degrees				
D	ML154	0	23.1	-56	Trigpoint_TS	Trigpoint_TS	4/05/2010	
D	ML154	50	23.5	-56.6	Eastman	Van Dieman Holdings	3/02/2010	magnetic interference, interpolated azimuth
D	ML154	100	23.5	-56	Eastman	Van Dieman Holdings	3/02/2010	magnetic interference, interpolated azimuth
D	ML154	150	24	-55.1	Eastman	Van Dieman Holdings	3/02/2010	magnetic interference, interpolated azimuth
D	ML154	200	24	-54	Eastman	Van Dieman Holdings	25/01/2010	magnetic interference, interpolated azimuth
D	ML154	250	24.9	-54	Eastman	Van Dieman Holdings	3/02/2010	
D	ML154	300	25	-54	Eastman	Van Dieman Holdings	28/01/2010	magnetic interference, interpolated azimuth
D	ML154	350	26	-54	Eastman	Van Dieman Holdings	1/02/2010	magnetic interference, interpolated azimuth
D	ML154	387	26.9	-53.5	Eastman	Van Dieman Holdings	2/02/2010	
D	ML155	0	36.5	-50.6	Trigpoint_TS	Trigpoint_TS	7/05/2010	
D	ML155	50	37	-52.8	Reflex	Boart Longyear	18/01/2010	magnetic interference, extrapolated azimuth
D	ML155	100	37	-53.2	Reflex	Boart Longyear	20/01/2010	magnetic interference, extrapolated azimuth
D	ML155	150	38	-53.7	Reflex	Boart Longyear	21/01/2010	magnetic interference, extrapolated azimuth
D	ML155	200	38	-54.3	Reflex	Boart Longyear	24/01/2010	magnetic interference, extrapolated azimuth
D	ML155	250	38	-54.3	Reflex	Boart Longyear	25/01/2010	magnetic interference, extrapolated azimuth
D	ML155	300	38	-55.1	Reflex	Boart Longyear	27/01/2010	
D	ML155	350	39	-54.9	Reflex	Boart Longyear	27/01/2010	magnetic interference, extrapolated azimuth
D	ML155	400	40	-54.9	Reflex	Boart Longyear	28/01/2010	magnetic interference, extrapolated azimuth
D	ML156	0	23.4	-55.5	Trigpoint_TS	Trigpoint_TS	15/04/2010	
D	ML156	51	22	-56	Eastman	Van Dieman Holdings		slight magnetic interference, extrapolated azimuth
D	ML156	102	22	-55	Eastman	Van Dieman Holdings		slight magnetic interference, extrapolated azimuth
D	ML156	151	21	-56	Eastman	Van Dieman Holdings		slight magnetic interference, extrapolated azimuth
D	ML156	200	21	-55.5	Eastman	Van Dieman Holdings		slight magnetic interference, extrapolated azimuth
D	ML156	250	21	-55	Eastman	Van Dieman Holdings	18/02/2010	slight magnetic interference, extrapolated azimuth
D	ML157	0	37.5	-48.5	Trigpoint_TS	Trigpoint_TS	7/05/2010	
D	ML157	50	37	-50.9	Reflex	Boart Longyear		magnetic interference, interpolated azimuth
D	ML157	100	37	-51	Reflex	Boart Longyear	3/02/2010	magnetic interference, interpolated azimuth
D	ML157	150	37	-51.4	Reflex	Boart Longyear	4/02/2010	magnetic interference, interpolated azimuth
D	ML157	200	37.3	-52.2	Reflex	Boart Longyear	5/02/2010	
D	ML157	250	37	-52	Reflex	Boart Longyear	7/02/2010	magnetic interference, extrapolated azimuth
D	ML157	300	37	-51.7	Reflex	Boart Longyear	8/02/2010	magnetic interference, extrapolated azimuth
D	ML157	347	38	-50.9	Reflex	Boart Longyear	10/02/2010	magnetic interference, extrapolated azimuth
D	ML158	0	15.7	-41.1	Trigpoint_TS	Trigpoint_TS	16/06/2010	
D	ML158	50	16	-43	Eastman	Van Dieman Holdings	9/02/2010	magnetic interference, extrapolated azimuth
D	ML158	100	17	-41.5	Eastman	Van Dieman Holdings	9/02/2010	magnetic interference, extrapolated azimuth
D	ML158	150	18	-42	Eastman	Van Dieman Holdings	12/02/2010	magnetic interference, extrapolated azimuth
D	ML158	200	19	-41	Eastman	Van Dieman Holdings	15/02/2010	magnetic interference, extrapolated azimuth
D	ML158	250	21.9	-41	Eastman	Van Dieman Holdings	17/02/2010	
D	ML159	0	23.6	-44.7	Trigpoint_TS	Trigpoint_TS	15/04/2010	
D	ML159	60	25	-47	Eastman	Van Dieman Holdings	11/02/2010	magnetic interference, extrapolated azimuth
D	ML159	100	26.9	-46	Eastman	Van Dieman Holdings	22/02/2010	
D	ML159	137.5	27.9	-45	Eastman	Van Dieman Holdings	22/02/2010	
D	ML160	0	24.3	-48.7	Trigpoint_TS	Trigpoint_TS	16/06/2010	
D	ML160	50	24.9	-49	Eastman	Van Dieman Holdings	9/02/2010	
D	ML160	100	24.9	-48.5	Eastman	Van Dieman Holdings	11/02/2010	magnetic interference, interpolated azimuth
D	ML160	150	24.9	-48.1	Eastman	Van Dieman Holdings	17/02/2010	magnetic interference, interpolated azimuth
D	ML160	170	24.9	-48	Eastman	Van Dieman Holdings	17/02/2010	
D	ML161	0	27.2	-26.5	Trigpoint_TS	Trigpoint_TS	7/05/2010	
D	ML161	50	27	-28	Reflex	Boart Longyear	15/02/2010	magnetic interference, extrapolated azimuth
D	ML162	0	15.5	-32.8	Trigpoint_TS	Trigpoint_TS	7/05/2010	
D	ML162	50	16	-34.9	Reflex	Boart Longyear	23/02/2010	magnetic interference, extrapolated azimuth
D	ML162	100	16	-35.1	Reflex	Boart Longyear	24/02/2010	magnetic interference, extrapolated azimuth
D	ML162	150	16	-34.2	Reflex	Boart Longyear	25/02/2010	magnetic interference, extrapolated azimuth
D	ML162	176.8	16	-33.5	Reflex	Boart Longyear	25/02/2010	magnetic interference, extrapolated azimuth
D	ML163	0	30.9	-35.2	Trigpoint_TS	Trigpoint_TS	25/06/2010	
D	ML163	50	34.5	-35.3	Reflex	Boart Longyear		
D	ML163	94	35	-34.9	Reflex	Boart Longyear	8/03/2010	magnetic interference, extrapolated azimuth
D	ML163	144	36	-34.4	Reflex	Boart Longyear	10/03/2010	magnetic interference, extrapolated azimuth
D	ML164	0	36.2	-45.1	Trigpoint_TS	Trigpoint_TS	7/05/2010	
D	ML164	50	36	-45.9	Reflex	Boart Longyear	14/03/2010	magnetic interference, extrapolated azimuth
D	ML164	94	36	-46.4	Reflex	Boart Longyear	16/03/2010	magnetic interference, extrapolated azimuth
D	ML164	144	36	-45.5	Reflex	Boart Longyear	18/03/2010	magnetic interference, extrapolated azimuth
D	ML164	208	37.8	-46.8	Reflex	Boart Longyear	23/03/2010	
D	ML164	244	37.2	-46	Reflex	Boart Longyear	24/03/2010	
D	ML165	0	23.8	-56.2	Trigpoint_TS	Trigpoint_TS	21/07/2010	
D	ML165	50	25	-59	Eastman	Van Dieman Holdings	18/05/2010	magnetic interference, interpolated azimuth
D	ML165	100	24.9	-62	Eastman	Van Dieman Holdings	19/05/2010	
D	ML165	150	25.9	-63	Eastman	Van Dieman Holdings	31/05/2010	
D	ML165	200	24	-67	Eastman	Van Dieman Holdings	26/05/2010	magnetic interference, extrapolated azimuth
D	ML165	250	23	-67	Eastman	Van Dieman Holdings	31/05/2010	magnetic interference, extrapolated azimuth
D	ML166	0	32.4	-39.5	Trigpoint_TS	Trigpoint_TS	21/07/2010	
D	ML166	50	33	-37	Eastman	Van Dieman Holdings	7/06/2010	magnetic interference, interpolated azimuth
D	ML166	100	34	-37	Eastman	Van Dieman Holdings	10/06/2010	magnetic interference, interpolated azimuth
D	ML166	151	35	-35	Eastman	Van Dieman Holdings	13/06/2010	magnetic interference, interpolated azimuth
D	ML166	200	36.9	-34	Eastman	Van Dieman Holdings	15/06/2010	
D	ML166	256	37	-33	Eastman	Van Dieman Holdings	16/06/2010	magnetic interference, interpolated azimuth
D	ML166	300	37	-32.5	Eastman	Van Dieman Holdings	20/06/2010	magnetic interference, interpolated azimuth
D	ML166	352	36.9	-33	Eastman	Van Dieman Holdings	27/06/2010	
D	ML166	379	39.9	-32	Eastman	Van Dieman Holdings	27/06/2010	
D	ML167	0	9.2	-58.8	Trigpoint_TS	Trigpoint_TS	14/07/2010	
D	ML167	50	11.5	-56	Eastman	Van Dieman Holdings	15/06/2010	magnetic interference, interpolated azimuth
D	ML167	100	10.9	-56	Eastman	Van Dieman Holdings	15/06/2010	
D	ML167	180	10	-55	Eastman	Van Dieman Holdings	17/06/2010	magnetic interference, interpolated azimuth
D	ML167	245	8.9	-54	Eastman	Van Dieman Holdings	23/06/2010	
D	ML168	0	9.2	-48.2	Trigpoint_TS	Trigpoint_TS	14/07/2010	
D	ML168	50	12	-50	Eastman	Van Dieman Holdings	25/06/2010	magnetic interference, interpolated azimuth
D	ML168	100	12	-49	Eastman	Van Dieman Holdings	30/06/2010	magnetic interference, interpolated azimuth
D	ML168	157	12	-49	Eastman	Van Dieman Holdings	28/06/2010	magnetic interference, interpolated azimuth
D	ML168	185	11.9	-48.5	Eastman	Van Dieman Holdings	30/06/2010	
D	ML169	0	29.6	-54.96	Deviflex	DHSurveys	8/07/2010	
D	ML169	2	29.39	-55.04	Deviflex	DHSurveys	8/07/2010	
D	ML169	5	29.31	-54.89	Deviflex	DHSurveys	8/07/2010	
D	ML169	8	28.95	-55.23	Deviflex	DHSurveys	8/07/2010	
D	ML169	11	28.95	-55.14	Deviflex	DHSurveys	8/07/2010	
D	ML169	14	29.13	-54.92	Deviflex	DHSurveys	8/07/2010	
D	ML169	17	29.08	-54.8	Deviflex	DHSurveys	8/07/2010	
D	ML169	20	28.95	-55.12	Deviflex	DHSurveys	8/07/2010	
D	ML169	23	28.85	-54.93	Deviflex	DHSurveys	8/07/2010	
D	ML169	26	29.03	-54.63	Deviflex	DHSurveys	8/07/2010	
D	ML169	29	29.17	-54.56	Deviflex	DHSurveys	8/07/2010	
D	ML169	32	29.12	-54.83	Deviflex	DHSurveys	8/07/2010	
D	ML169	35	29.02	-54.85	Deviflex	DHSurveys	8/07/2010	
D	ML169	38	29.31	-54.53	Deviflex	DHSurveys	8/07/2010	
D	ML169	41	29.44	-54.32	Deviflex	DHSurveys	8/07/2010	
D	ML169	44	29.14	-54.86	Deviflex	DHSurveys	8/07/2010	

Appendix E: Down Hole Orientation Surveys

H1000	Hole	Depth	Azimuth MGA	Plunge	Device	Surveyed_by	Date	Comments
H1001		metres	degrees	degrees				
D	ML169	47	29.2	-54.8	DeviFlex	DHSurveys	8/07/2010	
D	ML169	50	29.4	-54.63	DeviFlex	DHSurveys	8/07/2010	
D	ML169	53	29.87	-54.24	DeviFlex	DHSurveys	8/07/2010	
D	ML169	56	30.02	-54.51	DeviFlex	DHSurveys	8/07/2010	
D	ML169	59	29.88	-54.68	DeviFlex	DHSurveys	8/07/2010	
D	ML169	62	29.99	-54.47	DeviFlex	DHSurveys	8/07/2010	
D	ML169	65	29.94	-54.22	DeviFlex	DHSurveys	8/07/2010	
D	ML169	68	30.07	-54.48	DeviFlex	DHSurveys	8/07/2010	
D	ML169	71	30.05	-54.66	DeviFlex	DHSurveys	8/07/2010	
D	ML169	74	30.38	-54.5	DeviFlex	DHSurveys	8/07/2010	
D	ML169	77	30.66	-54.14	DeviFlex	DHSurveys	8/07/2010	
D	ML169	80	30.92	-54.36	DeviFlex	DHSurveys	8/07/2010	
D	ML169	83	30.9	-54.55	DeviFlex	DHSurveys	8/07/2010	
D	ML169	86	31.2	-54.4	DeviFlex	DHSurveys	8/07/2010	
D	ML169	89	31.54	-54.04	DeviFlex	DHSurveys	8/07/2010	
D	ML169	92	31.57	-54.21	DeviFlex	DHSurveys	8/07/2010	
D	ML169	95	31.61	-54.39	DeviFlex	DHSurveys	8/07/2010	
D	ML169	98	31.82	-54.22	DeviFlex	DHSurveys	8/07/2010	
D	ML169	101	31.86	-53.93	DeviFlex	DHSurveys	8/07/2010	
D	ML169	104	31.79	-54.15	DeviFlex	DHSurveys	8/07/2010	
D	ML169	107	31.55	-54.34	DeviFlex	DHSurveys	8/07/2010	
D	ML169	110	31.87	-54.15	DeviFlex	DHSurveys	8/07/2010	
D	ML169	113	32.17	-53.78	DeviFlex	DHSurveys	8/07/2010	
D	ML169	116	32.41	-53.94	DeviFlex	DHSurveys	8/07/2010	
D	ML169	119	32.62	-54.14	DeviFlex	DHSurveys	8/07/2010	
D	ML169	122	32.84	-54.03	DeviFlex	DHSurveys	8/07/2010	
D	ML169	125	33.1	-53.66	DeviFlex	DHSurveys	8/07/2010	
D	ML169	128	33.12	-53.77	DeviFlex	DHSurveys	8/07/2010	
D	ML169	131	32.94	-53.9	DeviFlex	DHSurveys	8/07/2010	
D	ML169	134	33.08	-53.89	DeviFlex	DHSurveys	8/07/2010	
D	ML169	137	33.25	-53.59	DeviFlex	DHSurveys	8/07/2010	
D	ML169	140	33.35	-53.6	DeviFlex	DHSurveys	8/07/2010	
D	ML169	143	33.48	-53.81	DeviFlex	DHSurveys	8/07/2010	
D	ML169	146	33.51	-53.81	DeviFlex	DHSurveys	8/07/2010	
D	ML169	149	33.75	-53.57	DeviFlex	DHSurveys	8/07/2010	
D	ML169	152	34.04	-53.53	DeviFlex	DHSurveys	8/07/2010	
D	ML169	155	34.11	-53.71	DeviFlex	DHSurveys	8/07/2010	
D	ML169	158	34.26	-53.8	DeviFlex	DHSurveys	8/07/2010	
D	ML169	161	34.36	-53.6	DeviFlex	DHSurveys	8/07/2010	
D	ML169	164	34.56	-53.42	DeviFlex	DHSurveys	8/07/2010	
D	ML169	167	34.47	-53.66	DeviFlex	DHSurveys	8/07/2010	
D	ML169	170	34.49	-53.86	DeviFlex	DHSurveys	8/07/2010	
D	ML169	173	34.39	-53.63	DeviFlex	DHSurveys	8/07/2010	
D	ML169	176	34.77	-53.35	DeviFlex	DHSurveys	8/07/2010	
D	ML169	179	34.65	-53.67	DeviFlex	DHSurveys	8/07/2010	
D	ML169	182	34.57	-53.84	DeviFlex	DHSurveys	8/07/2010	
D	ML169	185	34.84	-53.64	DeviFlex	DHSurveys	8/07/2010	
D	ML169	188	34.93	-53.41	DeviFlex	DHSurveys	8/07/2010	
D	ML169	191	34.93	-53.65	DeviFlex	DHSurveys	8/07/2010	
D	ML169	194	35.08	-53.82	DeviFlex	DHSurveys	8/07/2010	
D	ML169	197	35.12	-53.73	DeviFlex	DHSurveys	8/07/2010	
D	ML169	200	35.36	-53.41	DeviFlex	DHSurveys	8/07/2010	
D	ML169	203	35.41	-53.65	DeviFlex	DHSurveys	8/07/2010	
D	ML169	206	35.51	-53.84	DeviFlex	DHSurveys	8/07/2010	
D	ML169	209	35.68	-53.71	DeviFlex	DHSurveys	8/07/2010	
D	ML169	212	35.78	-53.41	DeviFlex	DHSurveys	8/07/2010	
D	ML169	215	35.83	-53.52	DeviFlex	DHSurveys	8/07/2010	
D	ML169	218	35.72	-53.81	DeviFlex	DHSurveys	8/07/2010	
D	ML169	221	35.77	-53.72	DeviFlex	DHSurveys	8/07/2010	
D	ML169	226	35.8	-53.78	DeviFlex	DHSurveys	8/07/2010	survey completed at later date
D	ML169	229	36.06	-53.79	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	232	36.18	-53.89	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	235	36.53	-53.83	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	238	36.72	-53.81	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	241	36.91	-53.8	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	244	37.15	-53.83	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	247	37.42	-53.77	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	250	37.5	-53.73	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	253	37.79	-53.76	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	256	37.72	-53.77	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	259	37.71	-53.78	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	262	37.83	-53.83	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	265	38.03	-53.79	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	268	37.9	-53.83	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	271	37.99	-53.76	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	274	37.96	-53.75	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	277	37.95	-53.7	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	280	37.83	-53.67	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	283	37.81	-53.62	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	286	37.79	-53.62	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	289	37.63	-53.64	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	292	37.62	-53.66	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	295	37.55	-53.62	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	298	37.36	-53.6	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	301	37.18	-53.6	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	304	37.08	-53.54	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	307	37.09	-53.52	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	310	36.88	-53.54	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	313	36.6	-53.48	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	316	36.34	-53.55	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	319	36.11	-53.48	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	322	35.95	-53.47	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	325	35.69	-53.46	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	328	35.51	-53.45	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	331	35.5	-53.39	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	334	35.29	-53.39	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	337	35.17	-53.37	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	340	35.2	-53.35	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	343	35.08	-53.32	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	346	35.03	-53.29	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	349	34.88	-53.3	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	352	34.8	-53.26	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	355	34.76	-53.27	DeviFlex	Venture Minerals	21/07/2010	
D	ML169	358	34.63	-53.12	DeviFlex	Venture Minerals	21/07/2010	
D	ML170	0	9.2	-72.6	Trigpoint TS	Trigpoint TS	14/07/2010	

Appendix E: Down Hole Orientation Surveys

H1000	Hole	Depth	Azimuth MGA	Plunge	Device	Surveyed_by	Date	Comments
H1001		metres	degrees	degrees				
D	ML170	2	8.87	-72.25	DeviFlex	DHSurveys	8/07/2010	
D	ML170	5	8.84	-72.16	DeviFlex	DHSurveys	8/07/2010	
D	ML170	8	8.54	-71.98	DeviFlex	DHSurveys	8/07/2010	
D	ML170	11	8.4	-71.82	DeviFlex	DHSurveys	8/07/2010	
D	ML170	14	7.51	-72.02	DeviFlex	DHSurveys	8/07/2010	
D	ML170	17	6.63	-72.05	DeviFlex	DHSurveys	8/07/2010	
D	ML170	26	6.09	-71.85	DeviFlex	DHSurveys	8/07/2010	
D	ML170	35	5.35	-71.74	DeviFlex	DHSurveys	8/07/2010	
D	ML170	38	5.71	-71.77	DeviFlex	DHSurveys	8/07/2010	
D	ML170	41	5.62	-71.69	DeviFlex	DHSurveys	8/07/2010	
D	ML170	44	5.72	-71.67	DeviFlex	DHSurveys	8/07/2010	
D	ML170	50	6.54	-71.75	DeviFlex	DHSurveys	8/07/2010	
D	ML170	53	6.81	-71.67	DeviFlex	DHSurveys	8/07/2010	
D	ML170	56	6.53	-71.76	DeviFlex	DHSurveys	8/07/2010	
D	ML170	59	7.16	-71.74	DeviFlex	DHSurveys	8/07/2010	
D	ML170	65	7.7	-71.63	DeviFlex	DHSurveys	8/07/2010	
D	ML170	68	7.73	-71.63	DeviFlex	DHSurveys	8/07/2010	
D	ML170	71	7.61	-71.73	DeviFlex	DHSurveys	8/07/2010	
D	ML170	74	7.65	-71.71	DeviFlex	DHSurveys	8/07/2010	
D	ML170	77	7.7	-71.58	DeviFlex	DHSurveys	8/07/2010	
D	ML170	80	7.26	-71.63	DeviFlex	DHSurveys	8/07/2010	
D	ML170	83	7.2	-71.75	DeviFlex	DHSurveys	8/07/2010	
D	ML170	86	7.63	-71.8	DeviFlex	DHSurveys	8/07/2010	
D	ML170	89	7.94	-71.8	DeviFlex	DHSurveys	8/07/2010	
D	ML170	95	7.54	-71.97	DeviFlex	DHSurveys	8/07/2010	
D	ML170	98	7.17	-71.8	DeviFlex	DHSurveys	8/07/2010	
D	ML170	104	8.81	-71.91	DeviFlex	DHSurveys	8/07/2010	
D	ML170	113	8.49	-71.76	DeviFlex	DHSurveys	8/07/2010	
D	ML170	116	8.75	-71.82	DeviFlex	DHSurveys	8/07/2010	
D	ML170	119	9.1	-72.02	DeviFlex	DHSurveys	8/07/2010	
D	ML170	122	8.92	-71.92	DeviFlex	DHSurveys	8/07/2010	
D	ML170	128	8.04	-71.97	DeviFlex	DHSurveys	8/07/2010	
D	ML170	134	8.69	-71.88	DeviFlex	DHSurveys	8/07/2010	
D	ML170	140	7.74	-71.93	DeviFlex	DHSurveys	8/07/2010	
D	ML170	143	7.76	-72.08	DeviFlex	DHSurveys	8/07/2010	
D	ML170	146	8.17	-71.96	DeviFlex	DHSurveys	8/07/2010	
D	ML170	149	8.2	-71.83	DeviFlex	DHSurveys	8/07/2010	
D	ML170	152	7.9	-71.79	DeviFlex	DHSurveys	8/07/2010	
D	ML170	155	7.67	-71.73	DeviFlex	DHSurveys	8/07/2010	
D	ML170	158	7.85	-71.84	DeviFlex	DHSurveys	8/07/2010	
D	ML170	161	8.13	-71.87	DeviFlex	DHSurveys	8/07/2010	
D	ML170	164	8.16	-71.9	DeviFlex	DHSurveys	8/07/2010	
D	ML170	167	7.92	-71.87	DeviFlex	DHSurveys	8/07/2010	
D	ML170	170	7.9	-71.98	DeviFlex	DHSurveys	8/07/2010	
D	ML170	173	8.05	-72.06	DeviFlex	DHSurveys	8/07/2010	
D	ML170	176	8.22	-71.93	DeviFlex	DHSurveys	8/07/2010	
D	ML170	179	8.11	-71.8	DeviFlex	DHSurveys	8/07/2010	
D	ML170	182	7.95	-71.84	DeviFlex	DHSurveys	8/07/2010	
D	ML170	185	8.21	-71.95	DeviFlex	DHSurveys	8/07/2010	
D	ML170	188	8.53	-71.95	DeviFlex	DHSurveys	8/07/2010	
D	ML170	191	8.24	-71.91	DeviFlex	DHSurveys	8/07/2010	
D	ML170	194	7.9	-71.87	DeviFlex	DHSurveys	8/07/2010	
D	ML170	200	8.61	-71.93	DeviFlex	DHSurveys	8/07/2010	
D	ML170	206	8.3	-71.77	DeviFlex	DHSurveys	8/07/2010	
D	ML170	209	8.22	-71.73	DeviFlex	DHSurveys	8/07/2010	
D	ML170	215	9.01	-71.79	DeviFlex	DHSurveys	8/07/2010	
D	ML170	218	8.98	-71.72	DeviFlex	DHSurveys	8/07/2010	
D	ML170	221	8.68	-71.62	DeviFlex	DHSurveys	8/07/2010	
D	ML170	224	8.61	-71.63	DeviFlex	DHSurveys	8/07/2010	
D	ML170	227	9.24	-71.62	DeviFlex	DHSurveys	8/07/2010	
D	ML170	230	9.88	-71.5	DeviFlex	DHSurveys	8/07/2010	
D	ML170	233	10.09	-71.59	DeviFlex	DHSurveys	8/07/2010	
D	ML170	236	10.74	-71.6	DeviFlex	DHSurveys	8/07/2010	
D	ML170	239	10.59	-71.51	DeviFlex	DHSurveys	8/07/2010	
D	ML170	242	10.58	-71.73	DeviFlex	DHSurveys	8/07/2010	
D	ML170	245	10.79	-71.83	DeviFlex	DHSurveys	8/07/2010	
D	ML170	248	11.24	-71.76	DeviFlex	DHSurveys	8/07/2010	
D	ML170	251	11.5	-71.62	DeviFlex	DHSurveys	8/07/2010	
D	ML170	254	11.21	-71.7	DeviFlex	DHSurveys	8/07/2010	
D	ML170	257	11.37	-71.75	DeviFlex	DHSurveys	8/07/2010	
D	ML170	260	11.6	-71.73	DeviFlex	DHSurveys	8/07/2010	
D	ML170	263	11.54	-71.67	DeviFlex	DHSurveys	8/07/2010	
D	ML170	266	10.94	-71.72	DeviFlex	DHSurveys	8/07/2010	
D	ML170	269	11.07	-71.84	DeviFlex	DHSurveys	8/07/2010	
D	ML170	272	11.34	-71.82	DeviFlex	DHSurveys	8/07/2010	
D	ML170	275	11.59	-71.47	DeviFlex	DHSurveys	8/07/2010	
D	ML171	0	39	-58	Trigpoint TS	Trigpoint TS	20/07/2010	
D	ML171	3	38.53	-57.89	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	6	38.24	-58.14	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	9	38.43	-57.99	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	12	38.49	-57.64	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	15	38.09	-58.34	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	18	37.82	-58.24	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	21	37.76	-57.89	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	24	37.57	-58.17	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	27	37.49	-58.32	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	30	37.31	-58.02	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	33	37.21	-58.13	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	36	37.11	-58.42	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	39	37.01	-58.14	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	42	37.45	-57.74	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	45	37.01	-58	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	48	36.8	-57.91	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	51	37.1	-57.5	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	54	36.98	-57.4	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	57	36.68	-57.72	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	60	36.88	-57.39	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	63	37.05	-56.94	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	66	36.68	-57.16	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	69	36.68	-57.27	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	72	37.09	-56.93	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	75	37.09	-56.7	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	78	37.27	-56.93	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	81	36.93	-56.84	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	84	36.98	-56.42	DeviFlex	Venture Minerals	20/07/2010	

Appendix E: Down Hole Orientation Surveys

H1000	Hole	Depth	Azimuth MGA	Plunge	Device	Surveyed by	Date	Comments
H1001		metres	degrees	degrees				
D	ML171	87	37.09	-56.43	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	90	36.89	-56.57	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	93	36.9	-56.25	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	96	36.87	-55.92	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	99	36.84	-56.15	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	102	36.91	-56.11	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	105	37.31	-55.77	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	108	37.49	-55.97	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	111	37.79	-55.52	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	114	37.88	-55.52	DeviFlex	Venture Minerals	20/07/2010	
D	ML171	117	37.8	-55.47	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	0	39	-73.2	Trigpoint TS	Trigpoint TS	20/07/2010	
D	ML172	3	38.23	-73.1	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	6	37.99	-73.1	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	9	37.85	-73.1	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	12	37.71	-73.11	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	15	37.57	-73.1	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	18	37.47	-73.26	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	21	37.32	-73.24	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	24	36.97	-73.18	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	27	36.69	-73.19	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	30	36.47	-73.21	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	33	36.19	-73.21	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	36	36.31	-73.2	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	39	35.74	-73.21	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	42	35.8	-73.26	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	45	35.47	-73.22	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	48	35.02	-73.2	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	51	34.86	-73.17	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	54	34.43	-73.19	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	57	33.98	-73.23	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	60	33.64	-73.25	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	63	33.26	-73.29	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	66	32.91	-73.34	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	69	32.68	-73.37	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	72	32.29	-73.37	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	75	31.96	-73.38	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	78	31.57	-73.46	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	81	31.45	-73.4	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	84	30.97	-73.37	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	87	30.64	-73.35	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	90	30.44	-73.56	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	93	29.8	-73.36	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	96	29.68	-73.31	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	99	29.28	-73.29	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	102	29.06	-73.32	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	105	28.83	-73.29	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	108	28.45	-73.29	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	111	28.29	-73.29	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	114	28.01	-73.24	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	117	27.7	-73.22	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	120	27.43	-74.17	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	123	27.15	-73.22	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	126	27.06	-73.2	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	129	26.71	-73.21	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	132	26.55	-73.2	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	135	26.75	-73.17	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	138	26.36	-73.11	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	141	26.39	-73.11	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	144	26.2	-73.12	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	147	26.07	-73.1	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	150	26.03	-73.03	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	153	25.88	-73.05	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	156	25.83	-73.03	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	159	25.72	-73.01	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	162	25.45	-73.03	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	165	25.76	-73.01	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	168	25.54	-72.94	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	171	25.7	-72.93	DeviFlex	Venture Minerals	20/07/2010	
D	ML172	175	25.92	-72.93	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	0	14.9	-53.1	Trigpoint TS	Trigpoint TS	20/07/2010	
D	ML173	3	14.92	-54.6	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	6	15.01	-52.81	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	9	15.07	-52.97	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	12	15.1	-52.64	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	15	15.17	-52.9	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	18	15.29	-53.07	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	21	15.5	-52.96	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	24	15.47	-52.75	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	27	15.31	-52.81	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	30	15.4	-52.92	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	33	15.36	-51.52	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	36	15.3	-52.63	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	39	15.22	-52.8	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	42	15.41	-52.82	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	45	15.35	-52.66	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	48	15.4	-52.48	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	51	15.23	-52.61	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	54	15.2	-52.62	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	57	15.12	-52.39	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	60	14.85	-52.3	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	63	14.98	-52.49	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	66	14.97	-52.54	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	69	15.07	-52.2	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	72	14.9	-52.13	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	75	15.05	-52.39	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	78	15.29	-52.48	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	81	15.2	-52.35	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	84	15.1	-52.42	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	87	14.9	-52.86	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	90	15.11	-53.02	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	93	15.09	-52.75	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	96	15.08	-52.78	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	99	15.1	-53.07	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	102	15.26	-53.16	DeviFlex	Venture Minerals	20/07/2010	

Appendix E: Down Hole Orientation Surveys

H1000	Hole	Depth	Azimuth MGA	Plunge	Device	Surveyed by	Date	Comments
H1001		metres	degrees	degrees				
D	ML173	105	15.28	-52.92	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	108	15.13	-52.86	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	111	15.03	-53.12	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	114	15.14	-53.09	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	117	15.18	-52.77	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	120	14.93	-52.61	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	123	15.07	-52.84	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	126	15.14	-52.78	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	129	14.89	-52.6	DeviFlex	Venture Minerals	20/07/2010	
D	ML173	133	14.77	-52.89	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	0	41.9	-64.8	Trigpoint_TS	Trigpoint_TS	20/07/2010	
D	ML175	3	42.36	-65.48	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	6	42.36	-65.35	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	9	42.66	-65.28	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	12	42.78	-65.16	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	15	42.91	-65.15	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	18	42.98	-65.08	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	21	43.41	-65.03	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	24	43.66	-64.96	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	27	43.59	-64.89	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	30	44.06	-64.81	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	33	44.1	-64.72	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	36	43.9	-64.6	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	39	43.98	-64.56	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	42	44.06	-64.4	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	45	44.3	-64.35	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	48	44.26	-64.36	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	51	44.22	-64.22	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	54	44.18	-64.18	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	57	44.6	-64.05	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	60	44.17	-64	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	63	44.49	-63.91	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	66	44.57	-63.81	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	69	44.66	-63.74	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	72	44.91	-63.67	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	75	45.01	-63.6	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	78	45.16	-63.51	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	81	45.34	-63.41	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	84	45.47	-63.38	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	87	45.63	-63.32	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	90	45.49	-63.31	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	93	46	-63.31	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	96	45.94	-63.31	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	99	46.19	-63.29	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	102	46.17	-63.21	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	105	46.37	-63.13	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	108	46.41	-63	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	111	46.53	-62.99	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	114	46.58	-62.87	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	117	46.84	-62.83	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	120	46.9	-62.8	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	123	47.13	-62.74	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	126	47.28	-62.66	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	129	47.38	-62.6	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	132	47.65	-62.55	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	135	47.97	-62.61	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	138	47.93	-62.45	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	141	48.08	-62.5	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	144	48.23	-62.47	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	147	48.49	-62.45	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	150	48.64	-62.37	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	153	48.6	-62.35	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	156	48.81	-62.27	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	159	49.03	-62.23	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	162	48.94	-62.17	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	165	49.06	-62.17	DeviFlex	Venture Minerals	20/07/2010	
D	ML175	169	49.22	-62.18	DeviFlex	Venture Minerals	20/07/2010	
D	RW002	0	35	-45	Compass & GPS	Design		
D	RW002	50	35	-44	Eastman	Van Dieman Holdings	7/01/2010	taken inside casing, interpolated azimuth
D	RW002	100	34.9	-44.1	Eastman	Van Dieman Holdings	7/01/2010	magnetic interference, interpolated azimuth
D	RW002	150	34.9	-44.9	Eastman	Van Dieman Holdings	7/01/2010	
D	RW002	210	34.9	-44.5	Eastman	Van Dieman Holdings	11/01/2010	
D	RW003	0	45	-50	Compass	Design		
D	RW003	125	43	-50.5	Eastman	Van Dieman Holdings	10/03/2010	magnetic interference, extrapolated azimuth
D	RW003	175	41.9	-50.5	Eastman	Van Dieman Holdings	10/03/2010	
D	RW004	0	45	-40		Design		
D	RW004	60	44.9	-43	Eastman	Van Dieman Holdings	16/04/2010	
D	RW004	110	45	-45	Eastman	Van Dieman Holdings	16/04/2010	magnetic interference, design azimuth used
D	RW004	160	45.9	-43	Eastman	Van Dieman Holdings	16/04/2010	
D	RW005	0	50	-45		Design		
D	RW005	50	50	-46	Eastman	Van Dieman Holdings	26/04/2010	magnetic interference, design azimuth used
D	RW005	100	50	-46	Eastman	Van Dieman Holdings	26/04/2010	magnetic interference, design azimuth used
D	RW005	151	49.9	-44	Eastman	Van Dieman Holdings	21/04/2010	
D	RW005	190	49	-44	Eastman	Van Dieman Holdings	26/04/2010	magnetic interference, extrapolated azimuth used
D	RW006	0	45	-40		Design		
D	RW007	0	50	-57		Design		
D	RW007	51.5	50	-55	Eastman	Van Dieman Holdings		magnetic interference, design azimuth used
D	RW007	100	50	-56	Eastman	Van Dieman Holdings		magnetic interference, design azimuth used
EOF								

Appendix F

Drill core assays

Appendix F: Drill Hole Assays

H0002	Version	3															
H0003	Date generated	28/7/2010															
H0004	Reporting period end date	22/8/2010															
H0005	State	TAS															
H0100	Tenement	EL21/2005															
H0101	Tenement holder	Venture Minerals Ltd															
H0102	Project name	Mt Lindsay															
H0106	Tenement operator	Venture Minerals Ltd															
H0150	250K map sheet	SK5503 Burnie															
H0151	100K map sheet	7914 Pieman															
H0152	50K map sheet	na															
H0153	25K map sheet	3437 Stringer, 3438 Livingstone, 3637 Rosebury, 3638 Parsons, 3639 Ramsay															
H0200	Start date of data acquisition	22/8/2009															
H0201	End date of data acquisition	28/7/2010															
H0202	Data format	SG3															
H0203	Number of data records	1805															
H0204	Date of metadata update	28/7/2010															
H0500	Feature_Located	Drill Core Assay															
H0600	Sample_code	DRILL CORE															
H0601	Sample_type	drill core															
H0602	Sample_description	drill core															
H0702	Job_no	see data															
H0800	Assay_code	as below															
H0801	Assay_company	SGS Renison lab (SGSR) & ALS Chemex sample preparation at Adelaide lab, assayed in Perth lab (ALSAP, ALSP)															
H0802	Assay_description1	Sn, WO3, Fe, S, As, Cu, Pb & Zn at SGS Renison by XRF on pressed powder disks (method XRF75E)															
H0803	Assay_description2	LOI, Al, As, Ca, Cr, Cu, Fe, K, Mg, Mn, Na, P, Pb, Si, Ti, Zn at ALS Chemex by XRF on fused disks (ME-XRF12)															
H0804	Assay_description3	Ag, Bi, Be, Co, Ni at ALS Chemex, Perth by 4 acid digest including HF with ICP finish (ME-ICP61s)															
H0805	Assay_description4	B by ALS Chemex by 3 acid digest with ICP finish (B-ICP69)															
H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay_scheme	Batch	Sample	Magsus	Sn_XRF	Sn_ICP61	WO3	Fe	S	Si	
H1001		metres	metres	metres						1x10-3 SI units	%	%	%	%	%	%	
D	LV016				STD	MLWL12008	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1474	-999	0.621	0.027	0.037	23.4	-1111	13.75	
D	LV016				BLK	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1473	-999	0.0085	0.008	0.01	2.1	0.04	45.1	
D	LV016				STD	GIOP-17	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1475	-999	-0.0008	0.001	0.058	57.8	0.3	2.84	
D	LV016	108.4	110.8	2.4	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1453	0.95	0.0038	0.002	-0.001	2.48	0.01	24.8	
D	LV016	110.8	113	2.2	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1454	21.1	0.1425	0.095	0.242	31.2	-0.01	15.75	
D	LV016	113	116	3	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1455	4.2	0.1065	0.088	0.033	12.65	-0.01	27.4	
D	LV016	128	130.3	2.3	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1456	27	0.249	0.023	0.011	15.3	0.01	26.5	
D	LV016	130.3	132.4	2.1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1457	147.82	0.575	0.167	0.105	62.9	-0.01	1.04	
D	LV016	132.4	134.9	2.5	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1458	187.26	0.825	0.264	0.09	61.4	-0.01	1.105	
D	LV016	134.9	136.9	2	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1459	120.11	0.624	0.321	0.182	61.9	-0.01	0.991	
D	LV016	136.9	138.8	1.9	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1460	132	0.365	0.307	0.282	58.8	0.01	1.65	
D	LV016	138.8	139.9	1.1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1461	91.5	0.423	0.205	0.271	57	0.04	3.34	
D	LV016	139.9	141.6	1.7	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1462	135.1	0.144	0.094	0.131	24.1	0.04	22.6	
D	LV016	141.6	144.5	2.9	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1463	130.21	0.123	0.081	0.082	22.5	0.05	23.9	
D	LV016	144.5	146	1.5	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1464	16.3	0.0969	0.068	0.087	17.7	0.01	26.6	
D	LV016	146	148.7	2.7	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1465	20.1	0.0933	0.064	0.11	23.1	0.14	23.9	
D	LV016	148.7	149.7	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1466	70.8	0.387	0.351	0.179	56	0.02	2.08	
D	LV016	149.7	151.6	1.9	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1467	68.7	0.365	0.363	0.46	52.3	0.04	1.98	
D	LV016	151.6	153.6	2	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1468	145.3	0.345	0.338	0.064	55.2	0.04	2.46	
D	LV016	153.6	155	1.4	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1469	435.7	0.31	0.347	0.043	56.1	0.02	2.62	
D	LV016	155	156.7	1.7	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1470	290.8	0.199	0.211	0.195	51.6	0.02	6.28	
D	LV016	156.7	158	1.3	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1471	275.15	0.259	0.269	0.255	56.2	0.04	4.32	
D	LV016	158	159.3	1.3	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1472	481.3	0.455	0.33	0.289	57.9	0.01	3.42	
D	LV016	159.3	160.8	1.5	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1476	177.5	0.312	0.335	0.062	54.9	0.17	4.8	
D	LV016	160.8	162.2	1.4	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1477	745	0.349	0.388	0.061	60.1	0.06	3.09	
D	LV016	162.2	164	1.8	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1478	313.5	0.101	0.112	0.015	27	0.01	18.8	
D	LV016	164	166.8	2.8	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1479	0.35	0.0016	0.007	-0.001	2.32	-0.01	35.4	
D	LV016	166.8	167.8	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1480	244.3	0.147	0.158	0.134	42.7	0.01	10.85	
D	LV016	167.8	172.8	5	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1481	76.51	0.138	0.151	0.171	50.9	0.01	6.56	
D	LV016	172.8	173.6	0.8	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1482	0	0.1715	0.181	0.193	52.3	0.01	5.25	
D	LV016	173.6	176	2.4	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1483	95.33	0.0161	0.015	-0.001	10.45	0.03	19.95	
D	LV016	176	177.9	1.9	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1484	11.8	-0.0008	0.003	0.049	8.28	0.06	20.8	
D	LV016	177.9	179.3	1.4	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09106632	LVD1485	8.61	-0.0008	0.002	-0.001	7.69	0.02	23.6	
D	LV017				QC	GIOP-13	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1543	-999	-0.0008	-0.001	-0.001	19.6	0.18	22.3	
D	LV017				QC	N2Z-2008	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1542	-999	0.1475	0.04	0.032	52.2	0.08	5.87	
D	LV017				QC	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1541	-999	-0.0008	-0.001	-0.001	1.23	-0.01	45.4	

Appendix F: Drill Hole Assays

H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus	Sn_XRF	Sn_ICP61	WO3	Fe	S	Si
H1001		metres	metres	metres						1x10-3 SI units	%	%	%	%	%	%
D	LV017	128.9	131.1	2.2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1529	3.23	0.0009	0.006	-0.001	10	-0.01	23.7
D	LV017	131.1	133.2	2.1	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1530	0.04	-0.0008	0.003	-0.001	4.53	-0.01	26.1
D	LV017	133.2	135.3	2.1	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1531	1.37	-0.0008	0.004	-0.001	5.62	-0.01	22
D	LV017	135.3	138.3	3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1532	5.42	0.0074	0.007	0.008	12.75	-0.01	22.8
D	LV017	138.3	140.4	2.1	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1533	1.5	0.0123	0.008	0.008	9.82	-0.01	28.8
D	LV017	140.4	142.7	2.3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1534	0.6	0.0065	0.004	-0.001	4.71	-0.01	26.5
D	LV017	142.7	144.6	1.9	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1535	0.34	0.0017	0.001	-0.001	3.26	-0.01	35.1
D	LV017	144.6	146.4	1.8	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1536	1.01	0.0082	0.006	-0.001	5.54	-0.01	30
D	LV017	146.4	149.5	3.1	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1537	12.46	0.009	0.008	0.021	10.4	-0.01	26.2
D	LV017	149.5	151.5	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1538	3.41	-0.0008	0.002	-0.001	11.8	-0.01	21.9
D	LV017	151.5	154.2	2.7	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1539	1.3	0.01	0.011	0.052	19.9	-0.01	18.35
D	LV017	154.2	156.1	1.9	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1540	1.52	-0.0008	0.002	0.067	16.45	-0.01	18.05
D	LV017	156.1	157.8	1.7	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1544	2.45	-0.0008	0.001	0.26	24	0.02	20.7
D	LV017	157.8	158.9	1.1	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1545	1.03	-0.0008	0.001	0.569	37.7	0.01	10.65
D	LV018				STD	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1518	-999	0.0244	0.005	0.011	2.6	0.03	44.4
D	LV018				STD	MLWL12008	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1519	-999	0.68	0.023	0.093	22.4	-1111	13.3
D	LV018				STD	GIOP-17	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1520	-999	-0.0008	0.001	0.061	58.3	0.1	2.79
D	LV018				STD	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1495	-999	0.0063	0.001	0.009	0.55	-0.01	46.1
D	LV018				STD	N2Z-2008	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1496	-999	0.1605	0.037	0.037	52.2	0.08	5.82
D	LV018				STD	GIOP-9	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1497	-999	-0.0008	0.001	0.035	34.8	0.05	18.75
D	LV018	50.6	51.5	0.9	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1486	0.6	0.0086	0.01	0.021	13.3	0.81	24.7
D	LV018	51.5	52.3	0.8	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1487	0.4	0.0138	0.015	0.033	13.15	0.27	23.2
D	LV018	52.3	53.8	1.5	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1488	0.6	0.0135	0.014	0.035	14.05	0.36	23.1
D	LV018	53.8	56.5	2.7	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1489	0.62	0.0056	0.009	0.035	15.35	0.05	21.8
D	LV018	56.5	57.5	1	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1490	3.1	0.0147	0.016	0.044	26.3	0.03	17.75
D	LV018	57.5	59.5	2	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1491	13	0.0838	0.038	0.057	27.1	0.01	14.9
D	LV018	59.5	61.2	1.7	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1492	9.35	0.1105	0.045	0.062	28.3	-0.01	14.65
D	LV018	61.2	64	2.8	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1493	6.25	0.1175	0.03	0.028	18.2	-0.01	27.8
D	LV018	64	65.7	1.7	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1494	1.14	0.0215	0.016	0.006	8.54	-0.01	31.4
D	LV018	65.7	66.9	1.2	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1498	-0.1	0.0065	0.004	-0.001	3.99	0.02	35.5
D	LV018	66.9	68.3	1.4	50PQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1499	0.16	0.004	0.004	-0.001	4.74	-0.01	32.6
D	LV018	68.3	69.3	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1500	0.44	0.008	0.005	0.001	4.91	-0.01	34
D	LV018	69.3	71.6	2.3	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1501	-0.1	0.0124	0.005	0.01	5.61	-0.01	34.1
D	LV018	71.6	72.1	0.5	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1502	2	0.1335	0.028	0.028	11.1	0.01	32.4
D	LV018	72.1	73.4	1.3	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1503	14.59	0.1515	0.079	0.05	18.45	-0.01	26.7
D	LV018	73.4	74.3	0.9	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1504	236.9	0.801	0.319	0.148	52.8	-0.01	5.62
D	LV018	74.3	75.2	0.9	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1505	67.63	0.929	0.457	0.17	54.1	0.01	4.39
D	LV018	75.2	77	1.8	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1506	57.24	0.687	0.264	0.137	52.5	-0.01	6.26
D	LV018	77	78.5	1.5	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1507	64.07	0.548	0.203	0.202	50.5	0.01	7.09
D	LV018	78.5	79.6	1.1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1508	59.74	0.585	0.275	0.156	49.1	0.01	7.17
D	LV018	79.6	80.6	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1509	15.4	0.514	0.256	0.103	50.5	-0.01	5.38
D	LV018	80.6	81.6	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1510	273.4	0.648	0.336	0.156	53.1	0.01	4.93
D	LV018	81.6	83	1.4	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1511	548.3	0.373	0.158	0.15	50.4	-0.01	6.26
D	LV018	83	84	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1512	385.8	0.353	0.255	0.081	50.4	0.01	7.06
D	LV018	84	87	3	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1513	211.77	0.368	0.293	0.184	58.1	0.01	2.34
D	LV018	87	88.5	1.5	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1514	386.67	0.241	0.198	0.091	51.7	-0.01	4.51
D	LV018	88.5	90.2	1.7	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1515	1.81	0.829	0.056	0.098	51.3	-0.01	5.07
D	LV018	90.2	91.2	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1516	0.8	0.76	0.064	0.096	37.6	0.01	15.9
D	LV018	91.2	92	0.8	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1517	24.5	0.647	0.088	0.105	44.3	0.01	9.84
D	LV018	92	93	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	LVD1521	3.8	0.526	0.024	0.096	33.7	0.02	17.65
D	LV018	93	94.6	1.6	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1522	0.37	0.935	0.035	0.11	37.1	0.02	14.6
D	LV018	94.6	96.5	1.9	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1523	2.72	0.452	0.025	0.04	22.6	0.02	23.8
D	LV018	96.5	98.3	1.8	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1524	2.12	0.0176	0.015	0.013	10.5	0.02	29.2
D	LV018	98.3	100.3	2	50HQ-50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1525	0.34	0.0555	0.008	-0.001	7.86	0.01	31.9
D	LV018	100.3	102.1	1.8	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1526	1.83	0.0137	0.003	0.001	2.87	0.01	41.9
D	LV018	102.1	103.8	1.7	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1527	0.9	-0.0008	0.001	-0.001	6.43	-0.01	31.9
D	LV018	103.8	105.1	1.3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	LVD1528	1.1	-0.0008	-0.001	-0.001	4.55	-0.01	32.6
D	LV019				BLK	BLK1	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1566	-999	0.0008	-0.001	0.008	0.611	-0.01	46.2
D	LV019				STD	N2Z2008	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1567	-999	0.151	0.038	0.042	52.4	0.07	5.86
D	LV019				STD	GIOP-17	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1568	-999	-0.0008	-0.001	0.057	58.5	0.03	2.85
D	LV019	19	23	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1546	4.35	0.0322	0.019	-0.001	4.33	0.14	31.1
D	LV019	23	27	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1547	6.13	-0.0008	0.001	-0.001	3.46	0.02	32.6
D	LV019	27	31	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1548	5.09	-0.0008	0.001	0.008	2.49	0.01	38
D	LV019	31	35	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1549	3.73	-0.0008	0.001	0.013	3.09	0.01	38.1

Appendix F: Drill Hole Assays

H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus	Sn_XRF	Sn_ICP61	WO3	Fe	S	Si
H1001		metres	metres	metres						1x10-3 SI units	%	%	%	%	%	%
D	LV019	35	39	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1550	5.08	0.0008	0.001	0.011	2.89	0.01	37.7
D	LV019	39	43	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1551	6.1	-0.0008	-0.001	-0.001	2.27	-0.01	39.2
D	LV019	43	47	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1552	3	-0.0008	0.001	-0.001	3.69	-0.01	34.5
D	LV019	47	51	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1553	4.24	-0.0008	0.001	0.003	4.02	-0.01	35.3
D	LV019	51	55	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1554	3.53	-0.0008	0.001	-0.001	4.19	-0.01	34.6
D	LV019	55	59	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1555	2.15	-0.0008	0.001	0.001	3.05	-0.01	36.9
D	LV019	59	63	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1556	7.17	-0.0008	0.001	-0.001	3.7	0.01	33.7
D	LV019	63	67	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1557	5.39	0.0025	0.004	-0.001	6.43	-0.01	30.9
D	LV019	67	71	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1558	8.7	-0.0008	0.004	-0.001	5.3	-0.01	33.8
D	LV019	71	75	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1559	4.17	0.0016	0.003	0.005	6.04	-0.01	32.7
D	LV019	75	79	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1560	8.2	0.0094	0.01	0.074	15.4	-0.01	25.5
D	LV019	79	83	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1561	6.79	0.0095	0.011	0.013	9.34	-0.01	28.4
D	LV019	83	87	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1562	5.74	0.0299	0.024	0.011	13.75	-0.01	25.2
D	LV019	87	91	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1563	7.02	0.0016	0.006	0.001	8.28	-0.01	28.8
D	LV019	91	95	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1564	4.71	0.0016	0.003	0.004	6.57	-0.01	30.4
D	LV019	95	99	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1565	9.08	0.0255	0.028	-0.001	9.16	0.07	28.8
D	LV019	99	102	3	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1569	6.04	0.0104	0.015	0.004	8.31	-0.01	29.4
D	LV019	102	103	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1570	3.78	0.0016	0.004	0.014	8.42	-0.01	29
D	LV019	103	104	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1571	3.49	0.0016	0.004	0.015	9.86	-0.01	27.4
D	LV019	104	105	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1572	3.35	-0.0008	0.005	-0.001	7.17	-0.01	31.1
D	LV019	105	106	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1573	7.12	0.112	0.106	0.005	17.35	-0.01	22.4
D	LV019	106	107	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1574	3.42	0.0074	0.01	-0.001	9.86	-0.01	27.7
D	LV019	107	108	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1575	4.36	0.0062	0.009	0.015	10.2	-0.01	26.9
D	LV019	108	109	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1576	2.86	-0.0008	0.004	0.004	8.93	0.01	28.6
D	LV019	109	110	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1577	5.34	0.0118	0.013	0.015	11.05	-0.01	26.5
D	LV019	110	111	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1578	10.98	0.073	0.072	0.038	26.5	-0.01	18.75
D	LV019	111	112	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1579	10.74	0.0693	0.06	0.025	21.2	-0.01	21.4
D	LV019	112	113	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1580	21.17	0.0636	0.061	0.047	24.4	0.01	19.65
D	LV019	113	114	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1581	6.62	0.0184	0.025	0.015	18.85	-0.01	21
D	LV019	114	115	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1582	5.79	0.0048	0.016	0.033	27.4	-0.01	13.6
D	LV019	115	116	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1583	6.57	0.0447	0.013	0.062	23.9	-0.01	18.6
D	LV019	116	117	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1584	12.73	0.75	0.188	0.139	41.2	0.01	10.9
D	LV019	117	118	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1585	16.9	0.911	0.382	0.117	53.3	-0.01	4.1
D	LV019	118	119	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1586	10.79	0.266	0.106	0.079	31.4	0.01	16.05
D	LV019	119	120	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1587	7.15	0.241	0.097	0.078	32.3	0.01	14.1
D	LV019	120	121	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1588	7.78	0.336	0.117	0.068	46.7	-0.01	8.12
D	LV019	120	121	1	na	FDUP	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1589	-999	0.347	0.131	0.134	47.9	-0.01	7.17
D	LV019	121	122	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1590	7.02	0.456	0.186	0.12	48	0.01	6.76
D	LV019	122	123	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1591	8.38	0.342	0.191	0.062	50.3	-0.01	6.8
D	LV019	123	124	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1592	7.16	0.345	0.231	0.111	54.1	0.01	3.85
D	LV019	124	125	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1593	5.38	0.393	0.303	0.155	54.9	-0.01	3.06
D	LV019	125	126	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1594	24.53	0.349	0.326	0.144	54.4	-0.01	3.7
D	LV019	126	127	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1595	11.17	0.224	0.06	0.086	29.9	0.01	22.8
D	LV019	127	128	1	na	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1596	36.83	0.1585	0.084	0.069	34	0.01	19.5
D	LV020	37	40	3	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1597	2.62	0.0078	0.005	0.009	3.33	1.8	40.1
D	LV020	40	44	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1598	3.93	0.0052	0.005	0.009	4.71	4.97	34.5
D	LV020	44	48	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1599	3.75	-0.0008	0.003	0.01	21.7	2.37	15.4
D	LV020	48	52	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1600	5.94	0.087	0.018	-0.001	16.85	0.97	23.9
D	LV020	52	56	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1601	13.31	0.267	0.042	0.053	22.6	0.3	22.2
D	LV020	56	60	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1602	4.61	0.0507	0.015	0.013	9.38	0.42	33.6
D	LV020	60	64	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1603	5.37	0.0232	0.01	-0.001	7.5	0.72	33.2
D	LV020	64	68	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1604	4.12	0.0344	0.012	0.028	20.7	0.4	21.6
D	LV020	68	72	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1605	2.99	-0.0008	0.003	0.014	30	0.62	11.9
D	LV020	72	76	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1606	4.01	-0.0008	0.001	0.03	33.2	0.63	7.78
D	LV020	76	80	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1607	3.58	-0.0008	0.002	0.015	21.7	2.56	17.85
D	LV020	80	84	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1608	2.51	-0.0008	0.001	0.01	9.1	2.31	34.1
D	LV020	84	88	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1609	2.68	0.004	0.001	0.006	4.15	0.45	40.9
D	LV020	88	89	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1610	2.76	0.0025	0.003	0.008	3.17	0.13	41.9
D	LV020	89	90	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1611	2.32	-0.0008	0.002	0.034	20.8	0.04	28.9
D	LV020	90	91	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1612	2.87	-0.0008	0.001	0.013	46.9	0.03	8.98
D	LV020	91	92	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1613	3.85	-0.0008	0.002	0.049	47.7	0.07	8.63
D	LV020	92	93	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1614	2.67	-0.0008	0.001	0.047	52	0.03	5.92
D	LV020	93	94	1	SPLIT	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1615	2.49	-0.0008	-0.001	0.033	52.1	0.02	6.25
D	LV021				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1764	-999	0.619	0.039	-0.0013	21.5	23	14.05

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	LV021				STD	GIOP-9	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1765	-999	-0.0008	0.001	-0.0013	34.9	0.08	18.95
D	LV021				STD	GIOP-9	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1779	-999	-0.0008	-0.001	-0.0013	34.6	0.05	19.15
D	LV021				STD	N2Z-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1778	-999	0.1615	0.041	-0.0013	52.9	0.07	5.8
D	LV021				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1740	-999	0.0048	-0.001	-0.0013	0.186	0.01	46.3
D	LV021				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1777	-999	0.0016	-0.001	-0.0013	0.136	-0.01	46.6
D	LV021				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1763	-999	0.0032	0.001	-0.0013	0.235	-0.01	46.1
D	LV021				STD	GIOP-9	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1742	-999	-0.0008	0.001	-0.0013	35.1	0.05	18.75
D	LV021				STD	N2Z-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1741	-999	0.149	0.046	0.0038	53.1	0.08	5.73
D	LV021	11	15	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1616	0.58	-0.0008	-0.001	-0.001	3.08	0.18	33.1
D	LV021	15	19	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1617	0.95	-0.0008	-0.001	-0.001	3	0.25	32.2
D	LV021	19	23	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1618	1.47	-0.0008	0.004	-0.001	2.91	1.53	24.4
D	LV021	23	27	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1619	1.68	0.0016	0.004	-0.001	4.5	2.41	21.4
D	LV021	27	31	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1620	1.1	-0.0008	-0.001	-0.001	2.47	0.36	34.5
D	LV021	31	35	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1621	1.29	-0.0008	-0.001	-0.001	2.08	0.2	35.5
D	LV021	35	39	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1622	1.47	-0.0008	-0.001	-0.001	2.77	0.18	32.2
D	LV021	39	43	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1623	1.51	-0.0008	-0.001	-0.001	3.05	0.09	31.9
D	LV021	43	47	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1624	1.6	-0.0008	-0.001	-0.001	3.41	0.2	30.9
D	LV021	47	51	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1625	1.26	-0.0008	-0.001	-0.001	3.27	0.13	31.3
D	LV021	51	55	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1626	1.5	-0.0008	-0.001	-0.001	3.18	0.1	31.6
D	LV021	55	59	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1627	1.56	-0.0008	-0.001	-0.001	4.1	0.18	30.4
D	LV021	59	63	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1628	1.26	-0.0008	-0.001	-0.001	3.33	0.09	31.7
D	LV021	63	67	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1629	1.83	-0.0008	-0.001	-0.001	4.21	0.2	30.5
D	LV021	67	71	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1630	1.88	-0.0008	-0.001	-0.001	4.33	0.1	30.6
D	LV021	71	75	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1631	1.91	-0.0008	-0.001	-0.001	3.64	0.1	30.9
D	LV021	75	79	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1632	1.32	-0.0008	-0.001	-0.001	3.98	0.11	30.4
D	LV021	79	83	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1633	0.87	-0.0008	-0.001	-0.001	3.7	0.11	31.3
D	LV021	83	87	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1634	1.36	-0.0008	-0.001	-0.001	3.87	0.16	30.2
D	LV021	87	91	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1635	1.31	-0.0008	-0.001	-0.001	4.29	0.52	30
D	LV021	91	95	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1636	2.46	-0.0008	-0.001	-0.001	3.77	0.13	31.1
D	LV021	95	99	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1637	1.47	-0.0008	-0.001	-0.001	4.02	0.23	30.1
D	LV021	99	103	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1638	1.89	-0.0008	-0.001	-0.001	4.71	0.21	31
D	LV021	103	107	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1639	2.2	-0.0008	-0.001	-0.001	4.12	0.79	30.2
D	LV021	107	111	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1640	1.73	-0.0008	-0.001	-0.001	3.26	0.62	30.3
D	LV021	111	115	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1641	2.13	-0.0008	-0.001	-0.001	3.94	1.33	28.8
D	LV021	115	119	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1642	2.57	-0.0008	-0.001	-0.001	3.85	0.97	30.2
D	LV021	119	123	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1643	5.29	-0.0008	-0.001	-0.001	5.62	2.86	27.1
D	LV021	123	127	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1644	2.22	-0.0008	-0.001	-0.001	3.71	1.22	30.3
D	LV021	127	131	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1645	2.95	-0.0008	0.001	-0.001	4.6	2.31	27.5
D	LV021	131	135	4	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1646	2.42	-0.0008	-0.001	-0.001	4.1	1.79	29.9
D	LV021	135	136	1	SCP	N	ALSAP-ICP61ICP69XRF12	AD10014673	LVD1647	2.27	0.0008	0.001	-0.001	5.29	3.1	26.7
D	LV021	252	254.2	2.2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1720	2.82	0.0091	0.002	-0.0013	2.96	0.13	19.7
D	LV021	254.2	256	1.8	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1721	8.51	0.0102	0.003	-0.0013	2.05	0.02	20.8
D	LV021	256	258.2	2.2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1722	4.39	0.0081	0.003	-0.0013	4.27	0.01	22.3
D	LV021	258.2	260.5	2.3	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1723	8.4	0.0095	0.002	-0.0013	4.1	0.01	23.8
D	LV021	260.5	262.3	1.8	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1724	0.45	0.0101	-0.001	-0.0013	1.765	0.1	35.1
D	LV021	262.3	264.5	2.2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1725	0.78	0.01	-0.001	-0.0013	1.405	0.2	35.6
D	LV021	264.5	266.3	1.8	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1726	0.7	0.0089	0.001	-0.0013	1.385	0.05	35.3
D	LV021	266.3	267.9	1.6	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1727	0.58	0.0081	-0.001	-0.0013	1.27	0.08	35.2
D	LV021	267.9	270.5	2.6	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1728	17.11	0.0065	0.001	-0.0013	3.36	0.01	28.2
D	LV021	270.5	272.5	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1729	21.87	0.0102	0.002	-0.0013	3.7	0.01	21.2
D	LV021	272.5	274.2	1.7	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1730	2.53	0.007	0.001	-0.0013	2.9	0.01	29.1
D	LV021	274.2	276.1	1.9	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1731	6.4	0.0081	0.001	-0.0013	2.08	0.01	32.9
D	LV021	276.1	277.9	1.8	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1732	0.79	0.0097	0.002	-0.0013	2.25	0.01	22.1
D	LV021	277.9	280.6	2.7	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1733	57.31	0.0047	0.001	-0.0013	2.05	0.01	31
D	LV021	280.6	282.6	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1734	0.18	0.0041	0.001	-0.0013	1.075	-0.01	36.3
D	LV021	282.6	284.5	1.9	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1735	0.32	0.0096	0.001	-0.0013	1.745	-0.01	36.7
D	LV021	284.5	286.3	1.8	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1736	2.45	0.0065	0.001	-0.0013	1.215	0.01	12.65
D	LV021	286.3	288.75	2.45	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1737	2.38	0.0058	0.002	-0.0013	1.29	0.02	12.8
D	LV021	288.75	290.5	1.75	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1738	1.34	0.0079	0.001	-0.0013	2.36	0.01	17.4
D	LV021	290.5	292.5	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1739	20.95	0.0081	0.002	-0.0013	4.1	0.05	16.35
D	LV021	292.5	294.8	2.3	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1743	25.9	0.0008	0.002	-0.0013	13.5	5.89	11.95
D	LV021	294.8	296	1.2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1744	46.8	0.0075	0.005	-0.0013	12.75	5.21	12.5
D	LV021	296	298	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067457	LVD1745	83.88	0.043	0.04	-0.0013	13.85	2.3	10.6
D	LV021	298	300	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1746	737.34	0.135	0.116	-0.0013	25.4	1.75	5.2

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 Si units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
H1001																
D	LV021	300	302	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1747	447.67	0.105	0.093	-0.0013	21.1	1.18	9.2
D	LV021	302	304	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1748	87.1	0.1525	0.146	-0.0013	29.3	2.53	7.75
D	LV021	304	306	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1749	96.72	0.0072	0.006	-0.0013	10.15	1.1	14.9
D	LV021	306	308	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1750	221.22	0.04	0.035	-0.0013	12.15	0.68	14.3
D	LV021	308	310	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1751	215.98	0.0691	0.054	-0.0013	14.95	0.36	12.05
D	LV021	310	312	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1752	114.62	0.0182	0.025	-0.0013	12	0.59	11.2
D	LV021	312	314	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1753	62.4	0.016	0.016	-0.0013	13.2	2.57	12.1
D	LV021	314	316	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1754	62.5	0.0056	0.005	-0.0013	8.13	0.04	15.45
D	LV021	316	318	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1755	42.09	0.0033	0.005	-0.0013	8.78	0.24	15.5
D	LV021	318	320	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1756	134.43	0.0016	0.004	-0.0013	9.06	0.04	15.65
D	LV021	320	322	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1757	80.2	0.0078	0.006	-0.0013	9.23	0.08	15.55
D	LV021	322	324	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1758	90.33	0.0078	0.007	-0.0013	9.3	0.12	15.55
D	LV021	324	326	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1759	122.89	0.0056	0.004	-0.0013	9.87	0.1	15.95
D	LV021	326	328	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1760	119.73	0.0008	0.005	-0.0013	10.1	0.02	16.2
D	LV021	328	330	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1761	135.17	0.0054	0.006	-0.0013	9.54	0.02	16.05
D	LV021	330	332	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1762	210.5	0.0048	0.005	-0.0013	9.7	0.02	16.3
D	LV021	332	334	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1766	216.06	0.004	0.004	-0.0013	7.52	0.03	15.15
D	LV021	334	336	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1767	158.62	0.0025	0.004	-0.0013	6.39	0.02	16.3
D	LV021	336	338	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1768	131.26	0.0025	0.004	-0.0013	9.32	0.03	14.3
D	LV021	338	340	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1769	139.1	-0.0008	0.003	-0.0013	7.37	0.02	14.9
D	LV021	340	342	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1770	247.83	-0.0008	0.003	-0.0013	8.69	0.02	15.7
D	LV021	342	344	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1771	146.25	0.0008	0.002	-0.0013	8	0.02	16.35
D	LV021	344	346	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1772	176.85	0.0033	0.002	-0.0013	8.25	0.02	15.9
D	LV021	346	348	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1773	111.34	0.0024	0.002	-0.0013	7.88	0.02	16.4
D	LV021	348	350	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1774	103.29	0.0016	0.002	-0.0013	8.73	0.03	16.1
D	LV021	350	352	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1775	6.85	0.0056	0.002	-0.0013	2.4	0.06	31
D	LV021	352	354	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016320,PH10067458	LVD1776	0.57	0.004	-0.001	-0.0013	0.766	0.01	35.7
D	LV022				STD	GIOP-17	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1658	-999	-0.0008	-0.001	0.0429	57.9	0.21	2.81
D	LV022				STD	MLWL12008	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1657	-999	0.594	0.025	0.0681	22.2	-1111	13.4
D	LV022				BLK	BLK1	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1656	-999	0.0032	0.002	0.0113	0.843	0.02	45.9
D	LV022	102.8	104.2	1.4	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1670	0.9	-0.0008	0.005	0.029	21	0.01	16.75
D	LV022	104.2	106.6	2.4	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1671	0.69	-0.0008	0.003	0.0315	24.3	0.01	16.65
D	LV022	106.6	107.8	1.2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1672	1.3	-0.0008	0.008	0.0328	30.1	0.02	12.4
D	LV022	108.7	110.8	2.1	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1673	2.25	-0.0008	0.003	0.0618	26.1	0.01	14.75
D	LV022	110.8	112.5	1.7	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1674	1.86	-0.0008	0.007	0.0328	30.8	0.01	10.9
D	LV022	112.5	114.4	1.9	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1675	1.07	-0.0008	0.005	0.0492	22.5	0.01	18.45
D	LV022	114.4	115.3	0.9	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1676	0.64	-0.0008	0.003	0.0567	25.8	0.01	15.85
D	LV022	115.3	117	1.7	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1677	0.71	0.0008	0.001	-0.0013	3.83	-0.01	33.1
D	LV022	124.1	126.1	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1648	0.71	-0.0008	0.001	0.0038	7.37	0.01	30.8
D	LV022	126.1	128.1	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1649	0.84	0.0024	0.006	0.0189	22.3	0.01	17.85
D	LV022	128.1	130.1	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1650	0.63	0.0099	0.016	0.0315	13.95	0.01	26.2
D	LV022	130.1	132.3	2.2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1651	0.25	0.0155	0.023	0.0038	4.15	0.01	35
D	LV022	132.3	134.9	2.6	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1652	0.31	0.0072	0.01	0.0038	2.71	0.01	34.1
D	LV022	134.9	135.8	0.9	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1653	2.7	0.0128	0.011	0.0063	7.08	0.01	30.6
D	LV022	135.8	137.5	1.7	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1654	4.08	0.246	0.14	0.0845	45.3	0.03	9.31
D	LV022	137.5	139.5	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1655	1.35	0.52	0.408	0.1122	57.7	0.02	1.71
D	LV022	139.5	141.5	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1659	1.25	0.389	0.29	0.348	58.1	0.08	1.725
D	LV022	142.7	145	2.3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1660	21.72	0.394	0.233	0.4741	60.8	0.01	1.235
D	LV022	145	147	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1661	230.6	0.368	0.27	0.3455	62	0.01	1.115
D	LV022	147	149	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1662	17.66	0.162	0.113	0.0857	39.8	0.01	9.62
D	LV022	149	150.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1663	20.02	0.1705	0.142	0.1034	37.7	0.01	12.35
D	LV022	150.5	151.8	1.3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1664	0.22	0.0356	0.025	0.0353	5.82	0.01	32.8
D	LV022	151.8	154	2.2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1665	1.2	0.0743	0.054	0.058	11.95	-0.01	29.5
D	LV022	154	156.5	2.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1666	0.95	0.0118	0.008	-0.0013	2.97	-0.01	34.2
D	LV022	156.5	159.1	2.6	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1667	0.28	0.0039	0.002	-0.0013	1.77	-0.01	35
D	LV022	159.1	161.1	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1668	0.22	0.004	0.003	-0.0013	1.61	-0.01	35.1
D	LV022	161.1	164	2.9	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10036372	LVD1669	0.83	0.0025	0.001	-0.0013	1.165	-0.01	35
D	LV024	117.3	119.5	2.2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1881	1.71	0.008	0.005	0.0076	6.64	0.01	31.9
D	LV024	119.5	122	2.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1882	9.21	0.068	0.039	0.0567	12.1	1.25	26.2
D	LV024	122	124.1	2.1	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1883	5.51	0.0179	0.014	0.0177	11.6	0.01	29.3
D	LV024	124.1	126.7	2.6	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1884	5.29	0.0217	0.019	0.0252	11.65	0.13	28.9
D	LV024	126.7	129	2.3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1885	2.02	0.0136	0.016	-0.0013	14.8	0.01	25.4
D	LV024	129	131.5	2.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1886	2.32	0.0073	0.009	0.0328	13.05	0.07	27.4
D	LV024	131.5	134.2	2.7	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1887	3.65	-0.0008	0.005	0.005	26.6	0.02	14.7

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	LV024	134.2	136.8	2.6	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1888	9.97	-0.0008	0.005	0.0088	32	-0.01	11.35
D	LV024	137.5	139.5	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1820	2.28	0.0524	0.023	0.0731	14.7	0.03	26
D	LV024	139.5	141.4	1.9	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1821	0.82	0.1135	0.083	1.1034	7.13	0.43	33.8
D	LV024	141.4	143.3	1.9	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1822	1.42	0.0419	0.024	0.0504	10.6	1.22	30
D	LV024	143.3	145.4	2.1	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1823	2.83	0.0265	0.016	0.0681	23.2	0.2	19.9
D	LV024	145.4	148.1	2.7	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1824	0.17	0.0023	0.002	0.0303	7.41	0.02	38.5
D	LV024	148.1	150.1	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1825	2.68	0.0205	0.011	0.0656	16.45	0.02	28.8
D	LV025				BLK	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1703	-999	0.0063	0.001	0.0416	0.3	-0.01	46.4
D	LV025				STD	N2Z-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1704	-999	0.161	0.035	0.0668	52.3	0.14	6.05
D	LV025				STD	GIOP-20	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1705	-999	-0.0008	-0.001	0.0794	47.6	0.03	7.4
D	LV025	46	47.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1689	0.45	0.0095	0.002	0.0353	7.95	0.03	26.6
D	LV025	47.5	49	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1690	0.42	0.0069	0.003	0.0416	10.3	0.01	26.6
D	LV025	49	50.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1691	0.45	-0.0008	0.002	0.0517	27.2	0.02	18.4
D	LV025	50.5	52	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1692	0.72	-0.0008	0.006	0.0593	28.7	0.01	17.15
D	LV025	52	53.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1693	0.56	0.0044	0.007	0.0429	19.85	0.01	19.65
D	LV025	53.5	55	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1694	4.9	0.0014	0.003	0.0378	10.75	0.01	33.5
D	LV025	55	56.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1695	0.28	0.0067	0.001	0.0454	1.275	-0.01	45.1
D	LV025	56.5	58.6	2.1	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1696	0.66	0.0048	0.006	0.0391	12.5	0.01	28.1
D	LV025	58.6	61	2.4	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1697	3.21	-0.0008	-0.001	0.0353	12.85	0.01	23.7
D	LV025	61	64	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1698	4.78	1.345	0.041	0.0757	51	0.01	4.95
D	LV025	64	65.6	1.6	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1699	351.53	0.463	0.089	0.1122	63.6	-0.01	1.205
D	LV025	65.6	67	1.4	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1700	89.6	3.24	0.217	0.1084	52.2	0.01	2.98
D	LV025	67	69	2	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1701	3.16	0.256	0.017	0.0694	31.6	0.01	14.05
D	LV025	69	71.5	2.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016036,PH10063393	LVD1702	0.18	0.0063	0.001	0.0265	7.43	0.01	28.8
D	LV026				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1717	-999	0.005	-0.001	0.0151	0.69	0.02	46.1
D	LV026				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1718	-999	0.591	0.023	0.0555	20.4	-1111	13.15
D	LV026				STD	GIOP-13	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1719	-999	-0.0008	-0.001	0.0013	19.45	0.23	22.9
D	LV026	58	59.7	1.7	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1706	0.58	-0.0008	0.007	0.0593	22.2	0.18	18
D	LV026	59.7	61	1.3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1707	0.51	-0.0008	0.001	0.0391	11.85	0.28	25.4
D	LV026	61	62.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1708	4.43	0.01	0.008	-0.0013	11.2	0.13	24.2
D	LV026	62.5	64	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1709	0.56	0.0212	0.02	-0.0013	17.9	0.01	21.2
D	LV026	64	67	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1710	3.54	-0.0008	0.001	0.0441	19.05	0.01	20.9
D	LV026	67	69.1	2.1	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1711	1.23	-0.0008	0.002	0.053	9.05	0.02	35.1
D	LV026	69.1	71.8	2.7	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1712	1.82	0.0088	0.01	-0.0013	11.75	0.01	28.8
D	LV026	71.8	74.2	2.4	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1713	2.06	0.0034	0.003	0.0063	11.2	-0.01	25.6
D	LV026	74.2	75.7	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1714	0.48	0.0088	0.006	0.0088	6.13	-0.01	33.8
D	LV026	75.7	77.5	1.8	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1715	2.85	0.0192	0.017	0.0126	16.85	0.01	21.2
D	LV026	77.5	80.6	3.1	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	LVD1716	3.91	0.0307	0.006	0.0013	12.7	0.02	21
D	LV027				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1802	-999	-0.0008	-0.001	-0.0013	19.65	0.26	22.6
D	LV027				STD	N2Z-2008	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1818	-999	0.1495	0.039	0.0315	52.9	0.08	5.88
D	LV027				STD	GIOP-9	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1819	-999	-0.0008	-0.001	0.0303	35.2	0.05	18.8
D	LV027				STD	BLK1	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1817	-999	0.0008	-0.001	0.0101	0.968	-0.01	46
D	LV027				STD	BLK1	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1800	-999	-0.0008	-0.001	0.0063	0.683	0.03	46.1
D	LV027				STD	MLWL12008	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1801	-999	0.64	0.027	0.0757	23.2	-1111	14.25
D	LV027	19	22	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1780	0.42	0.0073	0.006	0.0076	4.51	0.09	31
D	LV027	22	25	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1781	1.09	0.0067	0.006	-0.0013	5.1	0.09	30.7
D	LV027	25	28	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1782	0.78	-0.0008	0.004	-0.0013	15.1	0.06	22.2
D	LV027	28	31	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1783	3.04	0.0017	0.004	0.0038	10.3	0.07	26.1
D	LV027	31	34	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1784	1.34	-0.0008	0.005	0.0025	19.5	0.1	16.95
D	LV027	34	37	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1785	1.86	-0.0008	0.004	0.0101	28.8	0.39	9.57
D	LV027	37	40	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1786	-0.35	-0.0008	0.004	-0.0013	11.75	0.26	23.9
D	LV027	40	43	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1787	0.85	-0.0008	0.005	-0.0013	11.55	0.11	25.7
D	LV027	43	46	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1788	0.45	-0.0008	0.005	-0.0013	13.7	0.23	22.5
D	LV027	46	49	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1789	1.19	-0.0008	0.003	-0.0013	14.75	0.52	9.02
D	LV027	49	52	3	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1790	0.91	-0.0008	-0.001	-0.0013	5.14	0.24	0.385
D	LV027	52	55	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1791	2.15	-0.0008	0.003	0.0038	18.65	1.18	17.3
D	LV027	55	58	3	33HQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1792	0.72	0.0098	0.012	-0.0013	6.04	0.53	22.5
D	LV027	58	61	3	Grab	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1793	0.04	-0.0008	0.001	-0.0013	1.33	0.28	41.6
D	LV027	63	80.5	17.5	Grab	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1794	0.41	-0.0008	0.002	-0.0013	4.7	0.01	38.2
D	LV027	80.5	83.5	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1795	0.46	-0.0008	0.001	-0.0013	8.92	0.01	30.5
D	LV027	83.5	86.5	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1796	0.49	-0.0008	0.001	-0.0013	7.59	0.02	30.7
D	LV027	86.5	89.5	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1797	0.49	-0.0008	0.001	0.0063	8.91	0.01	30.2
D	LV027	89.5	91.6	2.1	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1798	2.25	-0.0008	0.001	-0.0013	14.35	0.03	20.3
D	LV027	91.6	93.4	1.8	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1799	2.98	-0.0008	-0.001	-0.0013	11.55	0.06	24.7

Appendix F: Drill Hole Assays

H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus	Sn_XRF	Sn_ICP61	WO3	Fe	S	Si
H1001		metres	metres	metres						1x10-3 SI units	%	%	%	%	%	%
D	LV027	93.4	96.7	3.3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1803	16.77	-0.0008	0.002	-0.0013	20.6	0.03	14.55
D	LV027	96.7	99.1	2.4	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1804	1.58	-0.0008	0.002	-0.0013	15	0.01	20.4
D	LV027	99.1	101.6	2.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1805	0.68	-0.0008	-0.001	-0.0013	9.78	0.01	27.3
D	LV027	104.5	107.5	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1806	0.59	-0.0008	0.001	-0.0013	10	0.01	25.5
D	LV027	107.5	110.5	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1807	0.4	-0.0008	-0.001	-0.0013	7.7	0.01	29.2
D	LV027	110.5	113.5	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1808	0.24	-0.0008	-0.001	-0.0013	9.19	0.01	29.2
D	LV027	115	116.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1809	0.68	-0.0008	-0.001	-0.0013	9.18	0.01	26.1
D	LV027	116.5	118	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1810	22.13	0.0071	0.003	-0.0013	9.71	0.43	28.7
D	LV027	119.5	122.5	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1811	0.44	-0.0008	-0.001	0.005	9.74	0.01	28.7
D	LV027	122.5	124	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1812	0.75	-0.0008	-0.001	-0.0013	8.06	0.01	29.6
D	LV027	124	125.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1813	0.83	-0.0008	-0.001	-0.0013	11.35	0.01	27.5
D	LV027	125.5	128.2	2.7	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1814	0.35	-0.0008	-0.001	-0.0013	12.85	0.01	26.6
D	LV027	131	133	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1815	0.16	-0.0008	-0.001	-0.0013	5.47	0.01	32.8
D	LV027	133	135	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10070433	LVD1816	0.21	-0.0008	-0.001	-0.0013	4.13	0.01	33.8
D	LV028				STD	MLWL12008	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1879	-999	0.534	0.022	0.0782	18.65	-1111	14.85
D	LV028				STD	BLK1	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1878	-999	0.0016	0.001	-0.0013	1.2	0.02	45.5
D	LV028				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1880	-999	-0.0008	0.001	-0.0013	19.1	0.26	22.3
D	LV028	173.1	175	1.9	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1857	0.28	-0.0008	0.001	-0.0013	3.85	-0.01	37.4
D	LV028	175	177	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1858	0.24	-0.0008	0.001	-0.0013	3.7	-0.01	42.4
D	LV028	177	179.7	2.7	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1859	4.41	-0.0008	0.007	-0.0013	14.2	-0.01	29.1
D	LV028	179.7	182.2	2.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1860	2.22	-0.0008	0.005	-0.0013	15.35	0.01	27
D	LV028	182.2	185	2.8	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1861	0.2	-0.0008	0.003	-0.0013	8.45	-0.01	37.7
D	LV028	185	187.3	2.3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1862	0.84	-0.0008	0.005	-0.0013	22.7	0.02	25.2
D	LV028	190.7	192.5	1.8	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1863	15.74	0.0741	0.048	0.0227	27.4	0.01	18.4
D	LV028	192.5	195	2.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1864	1.33	0.0098	0.008	0.0025	10.05	0.01	29.7
D	LV028	195	197	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1865	6.33	0.0758	0.018	0.0113	11.65	-0.01	28
D	LV028	197	198.8	1.8	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1866	1.79	0.004	0.003	0.0076	7.22	-0.01	32.2
D	LV028	198.8	201	2.2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1867	1.69	0.0142	0.009	-0.0013	6.55	-0.01	33.3
D	LV028	202.7	204.2	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1868	25.3	0.262	0.104	-0.0013	46.4	-0.01	8
D	LV028	204.2	206	1.8	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1869	11.92	0.0412	0.036	0.0082	39.6	-0.01	8.49
D	LV028	206	209	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1870	27.36	0.1425	0.017	0.0429	42.3	-0.01	10
D	LV028	209	212	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1871	30.91	0.16	0.044	0.0277	36.4	-0.01	12.8
D	LV028	212	215	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1872	28.4	0.0164	0.021	0.0214	20.4	0.01	16.8
D	LV028	215	216.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1873	3.96	0.025	0.028	0.0265	18.25	-0.01	15.9
D	LV028	218.5	221	2.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1874	4.47	0.0487	0.042	0.024	21.6	-0.01	17.3
D	LV028	221	224	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1875	3.63	-0.0008	0.008	0.0177	29.8	0.01	11.35
D	LV028	224	227	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1876	1.46	0.0098	0.009	0.0227	20.7	-0.01	16.5
D	LV028	227	230.4	3.4	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10081197,PH10090775	LVD1877	0.48	0.0048	0.003	0.0328	4.19	-0.01	32.2
D	LV029				STD	BLK1	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1840	-999	0.0024	-0.001	-0.0013	0.86	0.02	45.8
D	LV029				STD	N2Z-2008	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1855	-999	0.1515	0.028	0.058	52.7	0.06	5.92
D	LV029				STD	BLK1	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1854	-999	-0.0008	-0.001	0.0227	0.423	-0.01	46.2
D	LV029				STD	MLWL12008	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1841	-999	0.607	0.02	0.0857	21.9	-1111	13.35
D	LV029				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1842	-999	-0.0008	-0.001	0.0113	19.45	0.26	22.9
D	LV029				STD	GIOP-9	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1856	-999	-0.0008	-0.001	0.0429	34.8	0.05	18.95
D	LV029	129.5	131.3	1.8	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1826	0.55	0.0008	0.001	-0.0013	4.46	0.22	14.95
D	LV029	131.3	132.5	1.2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1827	2.58	-0.0008	0.002	0.0694	33.3	0.02	14.35
D	LV029	132.5	134	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1828	2.64	-0.0008	0.005	0.0315	21.7	0.08	21.5
D	LV029	134	136	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1829	1.56	-0.0008	0.003	0.029	24.1	0.01	18.6
D	LV029	136	139	3	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1830	0.93	-0.0008	0.004	0.0303	26.7	0.09	18.1
D	LV029	140.5	142	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1831	3.21	0.0008	0.005	0.0126	14.15	0.01	24.8
D	LV029	142	143.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1832	0.54	-0.0008	0.003	0.0151	16.3	0.01	24.2
D	LV029	143.5	145	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1833	1.54	0.0025	0.007	0.0013	16.85	0.01	21.5
D	LV029	145	146.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1834	2.75	-0.0008	0.004	0.0164	21.4	0.02	18.85
D	LV029	146.5	148	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1835	14.85	0.0172	0.016	0.0391	18.75	0.01	19.1
D	LV029	148	149.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1836	0.42	0.0008	0.003	0.005	11.25	0.02	22.9
D	LV029	149.5	151	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1837	0.92	0.0016	0.006	0.0076	14.05	0.01	19.9
D	LV029	151	152.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1838	0.74	-0.0008	-0.001	0.0088	11.75	0.02	25.7
D	LV029	152.5	154	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1839	0.77	-0.0008	0.001	0.0025	9.81	0.05	25.2
D	LV029	155.5	157	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1843	23.09	0.0134	0.007	0.0151	13.4	0.08	20.8
D	LV029	157	158.5	1.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1844	6.42	0.0016	0.001	0.0088	12.4	0.27	23.7
D	LV029	158.5	161	2.5	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1845	3.34	0.577	0.136	0.1362	51.2	0.02	4.22
D	LV029	162.1	162.8	0.7	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1846	0.18	0.051	0.016	0.0214	10.3	0.02	28.9
D	LV029	164.6	166.5	1.9	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1847	0.24	0.0388	0.01	0.0277	7.68	0.01	31.1
D	LV029	166.5	168.3	1.8	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10072427	LVD1848	0.28	0.0008	0.001	0.0139	5.24	0.01	32.3

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	LV029	170.5	172	1.5	50BQ	N	ALSAP-ICP61,ICP69,XRF12	AD10072427	LVD1849	0	0.0047	0.001	0.0164	2.39	0.2	37.8
D	LV029	174	176	2	50BQ	N	ALSAP-ICP61,ICP69,XRF12	AD10072427	LVD1850	0.27	0.0039	0.002	0.0113	5.44	0.02	30.6
D	LV029	176	178	2	50BQ	N	ALSAP-ICP61,ICP69,XRF12	AD10072427	LVD1851	0.98	-0.0008	0.001	0.0164	4.33	0.03	33
D	LV029	179	181	2	50BQ	N	ALSAP-ICP61,ICP69,XRF12	AD10072427	LVD1852	1.84	-0.0008	0.001	0.005	6.93	0.01	29.5
D	LV029	181	182.5	1.5	50BQ	N	ALSAP-ICP61,ICP69,XRF12	AD10072427	LVD1853	36.13	0.0031	0.004	0.0315	7.07	0.01	29.4
D	LV030				STD	BLK1	SGSR-XRF75E	BT017160	LVD1901	-999	0.02	-999		0.5	-0.1	-999
D	LV030				STD	MLWL12008	SGSR-XRF75E	BT017160	LVD1902	-999	0.7	-999	0.1	18.9	33.6	-999
D	LV030				STD	GIOP-13	SGSR-XRF75E	BT017160	LVD1903	-999	0.01	-999	0.02	20.5	0.2	-999
D	LV030	56.3	58.4	2.1	50HQ	N	SGSR-XRF75E	BT017160	LVD1889	0.27	0.02	-999	0.02	9.8	-0.1	-999
D	LV030	58.4	60	1.6	50HQ	N	SGSR-XRF75E	BT017160	LVD1890	0.36	0.02	-999	0.05	20.9	0.5	-999
D	LV030	60	61.2	1.2	50HQ	N	SGSR-XRF75E	BT017160	LVD1891	0.16	0.02	-999	0.03	10.6	0.8	-999
D	LV030	61.2	63.6	2.4	50HQ	N	SGSR-XRF75E	BT017160	LVD1892	0.34	0.02	-999	0.03	33.5	0.4	-999
D	LV030	65	67	2	50HQ	N	SGSR-XRF75E	BT017160	LVD1893	0.32	0.02	-999	0.02	28.5	0.5	-999
D	LV030	67	68.5	1.5	50HQ	N	SGSR-XRF75E	BT017160	LVD1894	0.48	-0.01	-999	0.02	26.2	2.9	-999
D	LV030	70	71.5	1.5	50HQ	N	SGSR-XRF75E	BT017160	LVD1895	0.4	0.02	-999	0.03	30.3	1.2	-999
D	LV030	77.3	78.6	1.3	50HQ	N	SGSR-XRF75E	BT017160	LVD1896	0.3	0.02	-999	0.02	9.1	8.7	-999
D	LV030	80.2	83.5	3.3	50HQ	N	SGSR-XRF75E	BT017160	LVD1897	0.23	0.03	-999	0.03	27.2	34.7	-999
D	LV030	83.5	86.2	2.7	50HQ	N	SGSR-XRF75E	BT017160	LVD1898	0.16	-0.01	-999	-0.01	5.9	0.9	-999
D	LV030	86.2	88.4	2.2	50HQ	N	SGSR-XRF75E	BT017160	LVD1899	0.38	-0.01	-999	0.01	3.8	0.6	-999
D	LV030	88.4	90.3	1.9	50HQ	N	SGSR-XRF75E	BT017160	LVD1900	0.31	-0.01	-999	-0.01	3.5	1.7	-999
D	LV030	90.3	92.6	2.3	50HQ	N	SGSR-XRF75E	BT017160	LVD1904	0.29	-0.01	-999	0.02	18	5	-999
D	LV030	92.6	94.9	2.3	50HQ	N	SGSR-XRF75E	BT017160	LVD1905	0.31	-0.01	-999	-0.01	2.7	0.2	-999
D	LV030	94.9	96.5	1.6	50HQ	N	SGSR-XRF75E	BT017160	LVD1906	0.79	-0.01	-999	-0.01	0.7	0.1	-999
D	LV030	97.4	100	2.6	50HQ	N	SGSR-XRF75E	BT017160	LVD1907	0.53	0.02	-999	-0.01	0.7	-0.1	-999
D	ML133				STD	MLWL12008	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3593	-999	0.636	0.023	0.091	23.9	-1111	13.1
D	ML133				STD	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3592	-999	0.0017	-0.001	-0.001	0.442	0.07	46.1
D	ML133				STD	GIOP-17	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3594	-999	-0.0008	-0.001	-0.001	58.2	0.26	2.63
D	ML133	343	345	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3573	16.22	0.0015	0.001	-0.001	8.8	2.87	22.1
D	ML133	345	347	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3574	5.28	0.0178	0.011	-0.001	7.65	2.07	19.9
D	ML133	347	349	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3575	10.54	0.0092	0.006	-0.001	8.49	3.47	20.3
D	ML133	349	351	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3576	11.24	0.0072	0.003	-0.001	7.76	2.48	16.05
D	ML133	351	353	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3577	4.6	0.004	-0.001	-0.001	4.14	1.57	8.63
D	ML133	353	355	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3578	5.22	0.0032	-0.001	-0.001	5.36	1.69	11.2
D	ML133	355	357	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3579	5.26	0.0063	0.002	-0.001	6.81	1.46	13
D	ML133	357	359	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3580	6.95	0.0226	0.015	-0.001	5.51	1.13	11.6
D	ML133	359	361	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3581	6.52	0.0198	0.006	-0.001	5.14	1.14	10.95
D	ML133	361	363	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3582	2.3	0.004	-0.001	-0.001	3.69	1.36	7.76
D	ML133	363	365	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3583	8.99	0.0276	0.021	-0.001	6.21	1.26	13.4
D	ML133	365	367	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3584	7.2	0.033	0.021	-0.001	6.69	1.07	17.6
D	ML133	367	369	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3585	7.91	0.0045	0.003	-0.001	9.52	2.53	19.9
D	ML133	369	371	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3586	13.04	0.0008	0.001	-0.001	9.24	3.01	20.5
D	ML133	371	373	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3587	9.56	0.0023	0.001	-0.001	9.59	2.07	21
D	ML133	373	375	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3588	14.08	0.0023	-0.001	-0.001	9.54	2.85	21
D	ML133	375	377	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3589	10.07	0.0008	-0.001	-0.001	9.74	2.98	20.9
D	ML133	377	379	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3590	8.93	0.0095	0.006	-0.001	8.05	2.79	17
D	ML133	379	381	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09099133	MLD3591	20.29	0.0086	0.006	-0.001	9.88	4.2	17.2
D	ML134				STD	GIOP-9	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3664	-999	-0.0008	-0.001	0.029	35.2	0.05	18.7
D	ML134				STD	N2Z-2008	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3663	-999	0.147	0.037	0.026	52.7	0.08	5.75
D	ML134				STD	BLK1	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3662	-999	0.0056	0.001	-0.001	0.144	0.01	46.5
D	ML134	146	148	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3643	0.91	0.0008	0.001	-0.001	7.48	0.1	23.9
D	ML134	148	150	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3644	56.69	0.085	0.072	-0.001	18.2	3.57	13.4
D	ML134	150	152	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3645	55.44	0.343	0.302	0.134	18.35	2.03	13.5
D	ML134	152	154	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3646	27.86	0.1585	0.132	-0.001	15.8	1.11	14.7
D	ML134	154	156	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3647	52.68	0.1435	0.125	-0.001	19.3	1.97	12.7
D	ML134	156	158	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3648	270.95	0.0988	0.09	-0.001	28.1	2.36	10.15
D	ML134	158	160	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3649	605.66	0.086	0.078	0.238	24.8	1.72	11.5
D	ML134	160	162	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3650	474.1	0.437	0.142	0.098	42.6	1.68	7.04
D	ML134	162	164	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3651	649.17	1.165	0.012	0.038	42.9	1.52	7.54
D	ML134	164	166	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3652	761.2	0.187	0.027	0.226	37.9	1.81	10.25
D	ML134	166	168	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3653	1000	2.32	0.014	0.209	53.5	6.24	4.24
D	ML134	168	170	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3654	236.43	0.337	0.025	0.393	38.7	16.25	9.68
D	ML134	170	172	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3655	22	0.357	0.015	0.058	32.2	9.91	13.15
D	ML134	172	174	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3656	3.52	14.5	0.016	0.145	28.3	8.84	8.79
D	ML134	174	176	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3657	167.49	0.337	0.018	0.306	31.9	8.38	13.35

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML134	176	178	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3658	96.72	0.202	0.093	-0.001	17.9	1.98	16.1
D	ML134	178	180	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3659	132.41	0.0721	0.065	-0.001	16.35	2.27	17
D	ML134	180	182	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3660	123.24	0.0417	0.035	-0.001	15.9	2.24	16.25
D	ML134	182	184	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	BT011120,PH09108344	MLD3661	26.84	0.0242	0.018	-0.001	11.45	2.11	16.8
D	ML135				BLK	BLK1	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3685	-999	-0.0008	-0.001	0.01	0.044	0.0065	46.6
D	ML135				STD	N2Z-2008	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3686	-999	0.1385	0.037	0.043	52.8	0.0683	5.62
D	ML135				STD	GIOP-9	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3687	-999	-0.0008	-0.001	0.035	35.3	0.0571	18.6
D	ML135	191	193	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3665	9.05	0.1245	0.121	-0.001	10.1	1.805	15.6
D	ML135	193	195	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3666	399.15	0.0805	0.078	0.541	17.35	0.727	12.1
D	ML135	195	197	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3667	146.55	0.269	0.197	0.59	21.9	3.39	11.45
D	ML135	197	199	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3668	576.3	0.0542	0.056	0.206	34	0.893	8.5
D	ML135	199	201	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3669	3.1	0.009	0.012	-0.001	4.48	0.895	12.05
D	ML135	201	203	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3670	37.5	0.0184	0.021	-0.001	7.95	1.405	11.25
D	ML135	203	205	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3671	4.1	0.0112	0.015	-0.001	5.31	0.497	14.95
D	ML135	205	207	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3672	7.95	0.008	0.011	-0.001	6.19	1.195	14.45
D	ML135	207	209	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3673	10.15	0.032	0.035	-0.001	8.11	1.36	17.15
D	ML135	209	211	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3674	5.5	0.007	0.013	-0.001	7.89	1.24	18.2
D	ML135	211	213	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3675	8.35	0.0416	0.04	-0.001	8.72	1.11	17.25
D	ML135	213	215	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3676	23.6	0.241	0.042	-0.001	13.95	1.99	13.1
D	ML135	215	217	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3677	1000	0.853	0.019	0.217	45.8	1.78	6.86
D	ML135	217	219	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3678	340.85	0.652	0.014	0.028	30.6	2.77	11.65
D	ML135	219	221	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3679	561.15	0.704	0.02	0.048	39.1	1.1	10.1
D	ML135	221	223	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3680	141.9	0.312	0.024	-0.001	19.35	2.35	12.45
D	ML135	223	225	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3681	834.3	0.134	0.011	0.049	35.1	3.55	8.79
D	ML135	225	227	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3682	1.1	0.0262	0.01	-0.001	15.35	3.37	13.15
D	ML135	227	229	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3683	1.45	0.0953	0.04	0.011	23.1	-1111	8.83
D	ML135	229	231	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3684	1.5	0.483	0.045	0.028	32	-1111	11.1
D	ML135	231	233	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3688	1.85	0.369	0.028	0.062	32.3	-1111	9.86
D	ML135	233	235	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3689	512.4	1.27	0.019	0.068	39.7	4.76	7.48
D	ML135	235	237	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3690	48.3	1.07	0.03	-0.001	25	5.03	9.28
D	ML135	237	239	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3691	30.45	0.0064	0.014	0.029	20	-1111	8.46
D	ML135	239	241	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3692	2.95	0.463	0.022	-0.001	19.05	2.6	13.15
D	ML135	241	243	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3693	178.55	0.764	0.024	0.074	19.8	2.11	14.2
D	ML135	243	245	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3694	7.6	0.0801	0.079	-0.001	15.85	2.64	15.15
D	ML135	245	247	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3695	16.4	0.144	0.132	0.091	17.8	2.84	13.5
D	ML135	247	249	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3696	501.1	0.0766	0.076	-0.001	18.95	1.93	14.05
D	ML135	249	251	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3697	6.8	0.0323	0.037	0.025	9.78	1.93	15.95
D	ML135	251	253	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3698	9.6	0.0072	0.012	-0.001	17.25	2.63	10.25
D	ML135	253	255	2	50NQ	N	SGSR-XRF75E, ALS?	BT011283,PH?	MLD3699	124.85	-0.0008	0.003	-0.001	14.85	2.29	18.5
D	ML136				STD	GIOP-9	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3718	-999	-0.0008	0.001	0.026	35.5	0.0487	18.55
D	ML136				STD	MLWL12008	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3717	-999	0.747	0.028	0.083	22.4	-1111	13.95
D	ML136				BLK	BLK1	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3716	-999	-0.0008	0.002	-0.001	0.238	0.018	46.4
D	ML136	98	100	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3700	5.5	0.0106	0.019	-0.001	15.5	1.375	20.5
D	ML136	100	102	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3701	789.16	0.0607	0.068	-0.001	21.6	0.839	16.5
D	ML136	102	104	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3702	8.83	0.0459	0.043	-0.001	10.15	1.68	18.25
D	ML136	104	106	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3703	365.5	0.0834	0.09	-0.001	19.85	1.27	15.95
D	ML136	106	108	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3704	522	0.1225	0.125	-0.001	30.8	0.703	12.85
D	ML136	108	110	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3705	592.16	0.0771	0.082	0.039	40.7	1.32	9.74
D	ML136	110	112	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3706	547	0.0678	0.048	0.105	36	3.08	9.44
D	ML136	112	114	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3707	619.66	0.0573	0.057	1.28	37.9	2.58	8.01
D	ML136	114	116	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3708	745.34	0.0733	0.081	0.272	37.5	1.74	8.77
D	ML136	116	118	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3709	1000	0.0697	0.07	1.031	43	2.33	7.72
D	ML136	118	120	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3710	1000	0.0818	0.051	1.084	48.9	2.69	5.73
D	ML136	120	122	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3711	1000	0.0623	0.062	1.2	50.6	1.605	6.19
D	ML136	122	124	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3712	913.66	0.0845	0.085	1.305	46.8	1.615	7.37
D	ML136	124	126	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3713	1000	0.0681	0.059	0.615	49	2.31	6.34
D	ML136	126	128	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3714	955.34	0.0808	0.073	0.527	33.9	4.75	9.99
D	ML136	128	130	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3715	9	0.0037	0.011	-0.001	11.55	1.59	20.5
D	ML137				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4586	-999	0.0055	-0.001	0.0567	0.909	0.27	45.2
D	ML137				BLK1	BLK1	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3739	-999	-0.0008	0.001	-0.001	0.331	0.0098	46.4
D	ML137				N2Z-2008	N2Z-2008	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3740	-999	0.1585	0.042	0.035	52.6	0.0969	5.87
D	ML137				STD	N2Z-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4587	-999	0.1525	0.038	0.087	52.6	0.08	5.8
D	ML137				GIOP-9	GIOP-9	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3741	-999	-0.0008	-0.001	0.021	34.8	0.055	19.05
D	ML137				STD	GIOP-13	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4588	-999	-0.0008	-0.001	0.0366	19.3	0.16	22.5

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
H1001	ML137	70	74	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4581	2.03	0.0032	0.001	-0.0013	5.95	0.46	13.9
D	ML137	74	78	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4582	4.33	0.0047	0.001	-0.0013	4.78	1.21	11.4
D	ML137	78	82	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4583	6.68	0.0024	-0.001	0.0013	6.92	2.16	16.4
D	ML137	82	86	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4584	8.1	0.0023	-0.001	0.0101	8.57	2.3	18.9
D	ML137	86	90	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4585	5.85	-0.0008	0.001	0.0013	8.44	1.54	18.7
D	ML137	202	206	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4589	3.35	0.0063	-0.001	-0.0013	4.83	1.12	11.1
D	ML137	206	210	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4590	2.33	0.0016	-0.001	-0.0013	4.79	1.26	10.55
D	ML137	210	214	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4591	5.53	0.0039	-0.001	-0.0013	5.36	1.61	10.25
D	ML137	214	218	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4592	4.45	0.0024	-0.001	-0.0013	4.29	1.36	9.68
D	ML137	218	222	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4593	6.63	0.0056	0.003	-0.0013	5.69	1.96	12.55
D	ML137	312	314	2	50NQ	N	SGSR-XRF75E, ALS-?	BT011988,PH?	MLD3733	7.4	0.01	-999	0.01	9.4	0.9	-999
D	ML137	314	316	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3734	15.45	0.1005	0.086	-0.001	11.95	0.221	16.45
D	ML137	316	318	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3735	7.2	0.016	0.018	-0.001	8.4	1.7	21
D	ML137	318	320	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3736	7.5	0.022	0.016	-0.001	9.29	1.805	17.05
D	ML137	320	322	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3737	8.3	0.0317	0.025	-0.001	9.92	1.62	16.05
D	ML137	322	324	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3738	7.65	0.027	0.021	-0.001	8.85	0.804	17.75
D	ML137	324	326	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3742	45.9	0.0671	0.059	-0.001	15.15	1.29	14.95
D	ML137	326	328	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3743	28.75	0.107	0.093	0.013	21.5	1.755	12.35
D	ML137	328	330	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3744	19.25	0.1135	0.096	-0.001	21.6	0.918	13
D	ML137	330	332	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3745	20.45	0.1105	0.096	-0.001	20.8	1.21	13.4
D	ML137	332	334	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3746	41.35	0.17	0.146	-0.001	28.1	0.626	11.55
D	ML137	334	336	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3747	26.65	0.1325	0.113	-0.001	21.6	0.659	13.35
D	ML137	336	338	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3748	175.4	0.113	0.096	0.599	24.4	1.14	12.4
D	ML137	338	340	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3749	37.65	0.1145	0.084	0.005	23.3	3.85	11.4
D	ML137	340	342	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3750	439.25	0.1095	0.094	-0.001	28.1	1.99	11.2
D	ML137	342	344	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3751	213.85	0.1145	0.097	-0.001	25.7	0.722	12.75
D	ML137	344	346	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3752	504	0.093	0.08	-0.001	15.45	1.4	16.35
D	ML137	346	348	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3753	236.55	0.029	0.027	-0.001	14.8	2.03	16.85
D	ML137	348	350	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3754	52	0.058	0.048	-0.001	12.65	1.975	15.9
D	ML137	350	352	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3755	14.6	0.0243	0.022	-0.001	10.85	2.51	16.9
D	ML137	352	354	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3756	8.35	0.0492	0.045	-0.001	14	1.54	18.75
D	ML137	354	356	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3757	4.9	0.0122	0.009	-0.001	9.77	2.44	19.75
D	ML137	356	358	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3758	8.4	0.0567	0.051	-0.001	13.15	1.245	18.6
D	ML137	358	360	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3759	8.7	0.026	0.024	-0.001	10.95	2.02	18.5
D	ML137	360	362	2	50NQ	N	SGSR-XRF75E, ALS?	BT011988,PH?	MLD3760	26.05	0.0611	0.052	-0.001	13.7	1.78	16.5
D	ML137	362	364	2	50NQ	N	SGSR-XRF75E	BT011988	MLD3761	71.75	0.04	-999	0.02	11.5	1.9	-999
D	ML137	364	366	2	50NQ	N	SGSR-XRF75E	BT011988	MLD3762	13.2	0.01	-999	0.01	10.8	2.3	-999
D	ML137	366	368	2	50NQ	N	SGSR-XRF75E	BT011988	MLD3763	24.7	-0.01	-999	-0.01	9.3	2.7	-999
D	ML137	368	370	2	50NQ	N	SGSR-XRF75E	BT011988	MLD3764	184	-0.01	-999	0.02	14.1	3.1	-999
D	ML137	370	372.6	2.6	50NQ	N	SGSR-XRF75E	BT011988	MLD3765	18.25	-0.01	-999	0.02	12.9	3.4	-999
D	ML138	148	150	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3719	70.3	-0.0008	0.002	-0.001	9.87	1.59	22.4
D	ML138	150	152	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3720	171.5	-0.0008	0.001	-0.001	21.1	-1111	18.6
D	ML138	152	154	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3721	353.35	0.0396	0.042	0.005	20.4	0.951	17.55
D	ML138	154	156	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3722	123.4	0.052	0.054	-0.001	12.7	0.99	17.75
D	ML138	156	158	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3723	582.75	0.0723	0.08	-0.001	31.1	0.4	12.3
D	ML138	158	160	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3724	1000	0.0629	0.068	0.009	42.7	0.42	8.37
D	ML138	160	162	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3725	1000	0.0422	0.038	0.009	48.9	0.523	6.28
D	ML138	162	164	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3726	861.3	0.0519	0.057	0.021	50.5	0.939	6.71
D	ML138	164	166	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3727	709.65	0.0558	0.062	-0.001	35.2	3.29	9.74
D	ML138	166	168	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3728	858.15	0.0526	0.058	-0.001	39.8	2.8	8.73
D	ML138	168	170	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3729	986.5	0.0512	0.056	0.005	45.6	1.65	7.33
D	ML138	170	172	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3730	44.7	0.046	0.042	-0.001	38.7	0.654	9.22
D	ML138	172	174	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3731	27.35	0.0548	0.055	-0.001	18.65	0.719	17.2
D	ML138	172	174	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09128471	MLD3731DUP	-999	0.0632	0.062	-0.001	17.1	0.64	17.95
D	ML138	174	176	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61,ICP69,XRF12	BT011476,PH09123724	MLD3732	0.9	-0.0008	0.002	-0.001	9.19	0.0215	25.1
D	ML139				BLK	BLK1	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3766	-999	-0.0008	0.002	-0.001	0.262	0.0301	46.6
D	ML139				STD	GIOP-17	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3768	-999	-0.0008	-0.001	0.055	58.1	0.22	2.86
D	ML139				STD	MLWL12008	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3767	-999	0.685	0.033	0.079	21.8	-1111	13.65
D	ML139	143	145	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3769	338.7	0.0038	0.009	-0.001	11.6	1.765	21.8
D	ML139	145	147	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3770	777.15	0.0511	0.043	0.156	24	2.61	13.4
D	ML139	147	149	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3771	398.5	0.0428	0.038	0.347	22.9	1.96	13.15
D	ML139	149	151	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3772	758.35	0.0853	0.075	0.446	30.4	1.23	12.05
D	ML139	151	153	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3773	845.65	0.065	0.059	0.55	34.4	2.38	10.1
D	ML139	153	155	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3774	801.5	0.0809	0.058	0.242	36	3.02	9.75

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 Si units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML139	155	157	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3775	873.35	0.0675	0.038	0.224	48.3	1.935	6.38
D	ML139	157	159	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3776	313.7	0.0647	0.049	1.98	34.9	2.99	9.84
D	ML139	159	161	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3777	755.5	0.0915	0.06	0.153	27.7	2.68	12.6
D	ML139	161	163	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3778	16.35	0.0566	0.045	0.19	30.4	-1111	9.66
D	ML139	163	165	2	50NQ	N	SGSR-XRF75E, ALS?	BT012064,PH?	MLD3779	22.25	0.0052	0.007	-0.001	10.05	2.58	19.3
D	ML140				STD	GIOP-20	SGSR-XRF75E	BT012360	MLD3823	-999	0.01	-999	0.04	43.9	-0.1	-999
D	ML140				STD	BLK1	SGSR-XRF75E	BT012360	MLD3821	-999	-0.01	-999	-0.01	0.1	-0.1	-999
D	ML140				STD	N2Z-2008	SGSR-XRF75E	BT012360	MLD3822	-999	0.19	-999	0.05	46.4	0.2	-999
D	ML140	238	240	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3807	4.59	0.0197	0.005	-0.001	7.69	1.48	23.1
D	ML140	240	242	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3808	387.39	0.1205	0.061	0.327	25.4	2.71	14.55
D	ML140	242	244	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3809	319.88	0.0989	0.079	0.656	21.8	2.96	14.2
D	ML140	244	246	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3810	701.84	0.0499	0.04	0.86	36.4	3.96	8.41
D	ML140	246	248	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3811	909.5	0.0654	0.047	3.178	35.1	4.03	8.56
D	ML140	248	250	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3812	927.5	0.0668	0.038	0.337	39.3	4.15	8
D	ML140	250	252	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3813	718.5	0.0607	0.036	0.999	39.5	5.6	8.25
D	ML140	252	254	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3814	913.17	0.0755	0.056	0.043	39.9	3.02	8.66
D	ML140	254	256	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3815	1000	0.0752	0.05	0.947	50.2	1.51	5.54
D	ML140	256	258	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3816	1000	0.0967	0.07	0.474	48.7	2.35	6.16
D	ML140	258	260	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3817	1000	0.0754	0.064	0.207	54.8	1.08	5.28
D	ML140	260	262	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3818	131.63	0.0074	0.011	-0.001	18.75	2.64	16.4
D	ML140	262	264	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3819	55.93	0.0429	0.039	-0.001	18.25	2.31	15.8
D	ML140	264	266	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09142593	MLD3820	7.24	-0.0008	0.001	-0.001	7.7	1.19	25.9
D	ML141				STD	MLWL12008	SGSR-XRF75E	BT012250	MLD3805	-999	0.64	-999	0.11	16.4	31.2	-999
D	ML141				STD	GIOP-17	SGSR-XRF75E	BT012250	MLD3806	-999	0.02	-999	0.05	51.8	-0.1	-999
D	ML141				STD	BLK1	SGSR-XRF75E	BT012250	MLD3804	-999	-0.01	-999	-0.01	-0.1	-0.1	-999
D	ML141				STD	N2Z-2008	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3793	-999	0.1475	0.036	0.055	52.5	0.07	5.83
D	ML141				STD	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3792	-999	-0.0008	0.001	0.028	0.818	0.02	46
D	ML141				STD	GIOP-9	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3794	-999	-0.0008	-0.001	0.023	19.2	0.18	22.6
D	ML141	48	50	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3780	13.51	0.0053	0.006	0.014	11.35	2.88	19.85
D	ML141	50	52	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3781	28.37	0.042	0.04	-0.001	14.35	2.83	17.1
D	ML141	52	54	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3782	13.12	0.0583	0.053	0.004	18.85	3.79	15.85
D	ML141	54	56	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3783	206.5	0.0352	0.036	0.008	20.1	5.78	15.6
D	ML141	56	58	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3784	19.46	0.0425	0.037	0.004	18.6	5.28	18.55
D	ML141	58	60	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3785	10.25	0.1905	0.17	0.014	29.9	8.9	13.35
D	ML141	60	62	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3786	12.35	0.1975	0.197	0.01	25.5	5.11	14.1
D	ML141	62	64	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3787	55.69	0.152	0.144	0.018	23.5	5.2	14.7
D	ML141	64	66	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3788	12.74	0.362	0.326	0.023	29.9	3.07	13.15
D	ML141	66	68	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3789	7.71	0.145	0.125	0.014	24.8	0.78	15.8
D	ML141	68	70	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3790	169.12	0.0693	0.059	-0.001	15.45	1.42	16.3
D	ML141	70	72	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3791	2.01	0.0426	0.037	-0.001	10.85	2.09	16.1
D	ML141	72	74	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3795	2.57	0.0383	0.031	-0.001	10.95	0.77	17.15
D	ML141	74	76	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09126852	MLD3796	1.52	0.0039	0.004	-0.001	8.86	0.55	20.5
D	ML141	74.5	76	1.5	50NQ	N	SGSR-XRF75E	BT012250	MLD3797	-999	0.04	-999	0.02	10.8	-0.1	-999
D	ML141	76	77.9	1.9	50NQ	N	SGSR-XRF75E	BT012250	MLD3798	1.38	0.02	-999	0.02	9.1	-0.1	-999
D	ML141	77.9	79	1.1	50NQ	N	SGSR-XRF75E	BT012250	MLD3799	0	0.07	-999	0.02	14.1	-0.1	-999
D	ML141	79	80.1	1.1	50NQ	N	SGSR-XRF75E	BT012250	MLD3800	1.84	0.04	-999	0.03	11	-0.1	-999
D	ML141	80.1	80.9	0.8	50NQ	N	SGSR-XRF75E	BT012250	MLD3801	1.73	0.04	-999	0.03	10.8	-0.1	-999
D	ML141	80.9	82	1.1	50NQ	N	SGSR-XRF75E	BT012250	MLD3802	1.74	0.04	-999	0.02	10.7	-0.1	-999
D	ML141	82	82.2	0.2	50NQ	N	SGSR-XRF75E	BT012250	MLD3803	1.64	0.03	-999	0.02	12.1	-0.1	-999
D	ML141A				STD	GIOP-13	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3842	-999	-0.0008	-0.001	-0.001	19.4	0.24	22.8
D	ML141A				STD	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3881	-999	-0.0008	-0.001	-0.001	0.585	0.07	45.9
D	ML141A				STD	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3840	-999	-0.0008	0.001	-0.001	0.549	0.04	45.7
D	ML141A				STD	GIOP-32	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3883	-999	-0.0008	-0.001	0.024	29.8	0.07	23.6
D	ML141A				STD	MLWL12008	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3882	-999	0.66	0.024	0.059	21.4	-1111	13.05
D	ML141A				STD	MLWL12008	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3841	-999	0.568	0.024	0.077	22	-1111	13.35
D	ML141A	55.2	57	1.8	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3824	20.28	0.0504	0.05	-0.001	19.95	5.47	18.65
D	ML141A	57	59	2	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3825	9.35	0.1	0.098	-0.001	21.1	6.16	16.8
D	ML141A	59	61	2	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3826	32.3	0.1995	0.179	-0.001	33.4	5.8	13.3
D	ML141A	61	63	2	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3827	18.15	0.1765	0.164	-0.001	21.2	3.51	16.1
D	ML141A	63	65	2	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3828	58.97	0.366	0.345	-0.001	32.3	5	10.85
D	ML141A	65	67	2	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3829	21.77	0.137	0.121	-0.001	21.5	1.01	17.4
D	ML141A	67	69	2	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3830	23.57	0.1455	0.126	-0.001	22	1.17	15.4
D	ML141A	69	71	2	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3831	3.18	0.013	0.012	-0.001	9.79	1.56	17.45
D	ML141A	71	73	2	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3832	8.11	0.0656	0.056	-0.001	12.15	0.75	16

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML141A	73	74.5	1.5	25HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3833	5.5	0.0108	0.01	-0.001	9.32	0.8	18.95
D	ML141A	74.5	76	1.5	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3834	13.06	0.0375	0.034	-0.001	13	0.09	18.35
D	ML141A	76	77	1	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3835	0.49	0.0049	0.007	-0.001	10.3	0.04	19.7
D	ML141A	77	79	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3836	0.43	0.0138	0.016	-0.001	12.05	0.04	20.1
D	ML141A	79	80.7	1.7	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3837	0.72	0.0233	0.024	-0.001	10.95	0.02	19.6
D	ML141A	80.7	85	4.3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3838	0.37	0.0111	0.013	-0.001	9.8	0.03	19.85
D	ML141A	85	86.4	1.4	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3839	1.11	0.0146	0.015	-0.001	11.6	0.02	18.8
D	ML141A	180	182	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3875	0	0.0037	0.004	-0.001	8.59	2.83	19.9
D	ML141A	182	184	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3876	0	0.0115	0.012	-0.001	8.65	2.79	18.5
D	ML141A	184	186	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3877	0	0.013	0.012	-0.001	9.42	3.14	18.2
D	ML141A	186	188	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3878	0	0.0154	0.013	-0.001	9.03	2.66	19.2
D	ML141A	188	190	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3879	0	0.0031	0.004	-0.001	8.38	2.52	20
D	ML141A	190	192	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09136188	MLD3880	0	0.0031	0.005	-0.001	8.56	2.14	20.9
D	ML142				STD	BLK1	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3863	-999	0.0033	0.001	0.003	0.142	0.01	46.5
D	ML142				STD	GIOP-13	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3865	-999	-0.0008	-0.001	-0.001	19.2	0.18	22.6
D	ML142				STD	N2Z-2008	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3864	-999	0.159	0.031	0.039	52.7	0.08	5.81
D	ML142	136	138	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3843	2.13	0.0747	0.068	-0.001	7.98	0.15	20.9
D	ML142	138	140	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3844	250.22	0.42	0.217	-0.001	32.6	0.18	9.98
D	ML142	140	142	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3845	32.07	0.252	0.229	-0.001	16.25	0.68	14.15
D	ML142	142	144	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3846	187.23	0.337	0.308	-0.001	24.6	0.92	12.2
D	ML142	144	146	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3847	257.25	0.29	0.266	-0.001	25.1	1.01	12.2
D	ML142	146	148	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3848	154.77	0.283	0.255	-0.001	29.7	0.88	11.35
D	ML142	148	150	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3849	109.68	0.247	0.215	0.004	30	0.93	10.9
D	ML142	150	152	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3850	341.06	0.231	0.207	0.025	32.9	1.01	10.3
D	ML142	152	154	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3851	153.46	0.261	0.251	-0.001	25.2	1.62	11.55
D	ML142	154	156	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3852	54.03	0.233	0.229	0.01	23.5	4.79	10.75
D	ML142	156	158	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3853	193.67	0.23	0.211	0.008	24.7	1.26	12.1
D	ML142	158	160	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3854	402.85	0.169	0.15	0.256	32.2	1.83	9.85
D	ML142	160	162	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3855	10.97	0.307	0.275	0.144	30	1.54	10.05
D	ML142	162	164	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3856	816.84	0.295	0.107	0.369	41.3	2.82	7.76
D	ML142	164	166	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3857	81.89	0.242	0.147	0.035	24.7	2.37	12.75
D	ML142	166	168	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3858	176.28	2.72	0.131	0.077	29.4	2.51	11.05
D	ML142	168	170	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3859	32.73	0.551	0.047	0.024	17.7	2.24	17.45
D	ML142	170	172	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3860	91.25	0.0347	0.025	-0.001	17.2	2.19	16.9
D	ML142	172	174	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3861	31.09	0.0304	0.028	0.376	15.25	1.62	17.5
D	ML142	174	176	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012424,PH09136792	MLD3862	81.22	0.0186	0.018	0.013	16.2	2.48	17
D	ML143				STD	GIOP-20	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3906	-999	-0.0008	0.001	0.043	47.9	0.01	7.1
D	ML143				STD	N2Z-2008	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3905	-999	0.155	0.034	0.042	52.4	0.08	5.95
D	ML143				STD	BLK1	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3904	-999	0.0008	0.001	-0.001	0.235	0.01	46.5
D	ML143	184	186	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3884	7.2	0.0093	0.007	-0.001	8.42	1.53	23.6
D	ML143	186	188	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3885	523.99	0.0721	0.045	-0.001	30.7	2.02	13.35
D	ML143	188	190	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3886	347.65	0.0959	0.09	-0.001	35	1.18	12.25
D	ML143	190	192	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3887	236.97	0.0849	0.078	-0.001	23.8	2.23	15.6
D	ML143	192	194	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3888	575.84	0.1315	0.056	-0.001	27.8	2.08	14.4
D	ML143	194	196	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3889	113.69	0.0837	0.01	-0.001	29.2	3.39	13.15
D	ML143	196	198	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3890	20.45	0.308	0.02	-0.001	26.4	3.82	13.45
D	ML143	198	200	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3891	36.91	0.1945	0.104	-0.001	24.4	1.69	16.45
D	ML143	200	202	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3892	145.44	0.213	0.097	-0.001	24.1	0.73	17.55
D	ML143	202	204	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3893	524.9	0.1285	0.096	0.014	32.9	0.45	14.25
D	ML143	204	206	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3894	1000	0.095	0.058	0.013	43.5	1.47	8.72
D	ML143	206	208	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3895	689	0.349	0.017	0.001	34.8	2.01	12.35
D	ML143	208	210	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3896	606.34	0.201	0.013	-0.001	34.2	2.46	11.75
D	ML143	210	212	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3897	367.16	0.196	0.007	0.001	39.4	7.3	10.1
D	ML143	212	214	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3898	922.66	0.123	0.012	0.013	45.5	2.51	6.81
D	ML143	214	216	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3899	842.74	0.119	0.02	-0.001	35.5	4.63	9.34
D	ML143	216	218	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3900	794.66	0.519	0.011	-0.001	34.2	2.52	10.65
D	ML143	218	220	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP									

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 Si units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML143	234	236	2	50NQ	N	SGSR-XRF75E, ALSAP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3912	12.85	0.1225	0.081	-0.001	16.95	1.79	15.55
D	ML143	236	238	2	50NQ	N	SGSR-XRF75E, ALSAP-ICP61,ICP69,XRF12	BT012728,PH09138402	MLD3913	23.67	0.0206	0.017	-0.001	12.1	1.74	17.15
D	ML144				BLK	na	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4260	-999	-0.0008	-0.001	0.005	0.36	0.01	46.4
D	ML144				STD	na	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4262	-999	-0.0008	-0.001	0.006	19.7	0.27	22.5
D	ML144				STD	na	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4261	-999	0.62	0.025	0.073	22	-1111	13.6
D	ML144				QC	GIOP13	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4093	-999	-0.0008	-0.001	-0.001	19.6	0.26	22.5
D	ML144				QC	BLK1	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4091	-999	0.0024	0.001	-0.001	1	0.26	43.8
D	ML144				QC	MLWL12008	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4092	-999	0.633	0.073	0.062	22.7	-1111	13.5
D	ML144	200	202	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4257	1.27	-0.0008	-0.001	-0.001	7.05	0.19	26.8
D	ML144	202	204	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4258	1.16	-0.0008	-0.001	-0.001	6.08	0.09	27.2
D	ML144	204	206	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4259	7.15	-0.0008	-0.001	-0.001	7.56	1.54	25.3
D	ML144	206	208	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4085	6.13	0.0174	0.013	0.362	6.65	1.2	17.55
D	ML144	208	210	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4086	6.79	0.0138	0.005	-0.001	3.24	0.99	6.4
D	ML144	210	212	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4087	3.62	0.0108	0.007	-0.001	3.44	0.83	5.73
D	ML144	212	214	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4088	8.88	0.0125	0.007	-0.001	6.8	2.1	16.8
D	ML144	214	216	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4089	22.22	0.0435	0.033	-0.001	14.9	3.61	15.8
D	ML144	216	218	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4090	28.7	0.074	0.036	0.197	32	-1111	10.25
D	ML144	218	220	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4094	340.36	0.303	0.026	-0.001	28.9	2.62	11.1
D	ML144	220	222	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4095	13.89	0.0079	0.005	-0.001	8.22	2.78	17.8
D	ML144	222	224	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4096	14.21	0.014	0.008	-0.001	8.43	3.02	16.55
D	ML144	224	226	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4097	13.45	0.0126	0.006	-0.001	7.33	2.11	15.3
D	ML144	226	228	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4098	11.09	0.0054	0.002	-0.001	7.18	2.84	14.45
D	ML144	228	230	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4099	9.57	0.0016	-0.001	-0.001	7.1	3.05	18.75
D	ML144	230	232	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4100	16.92	-0.0008	0.001	-0.001	8.06	3.76	20.8
D	ML144	232	234	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4101	19.75	-0.0008	0.001	-0.001	8.57	3.3	20.5
D	ML144	234	236	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4102	16.62	0.0052	0.003	-0.001	8.72	4.44	19.05
D	ML144	236	238	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4103	9.95	0.003	0.006	-0.001	9.8	5.11	20.1
D	ML144	238	240	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4104	40.45	0.341	0.034	-0.001	12.6	4.15	17.2
D	ML144	240	242	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4105	16.62	0.0015	0.001	-0.001	8.37	4.73	20.8
D	ML144	242	244	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4106	28.65	0.0134	0.01	-0.001	10.4	5.07	21.3
D	ML144	244	246	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4107	10.9	0.722	0.025	-0.001	15.25	7.42	21.1
D	ML144	246	248	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4108	15.22	0.0024	0.001	-0.001	10.65	5.72	24.3
D	ML144	248	250	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4263	19.1	-0.0008	-0.001	-0.001	9.38	5.68	21.7
D	ML144	250	252	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4264	19.2	-0.0008	-0.001	-0.001	7.64	4.46	24.3
D	ML145				QC	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3926	-999	0.009	0.008	-0.001	1.74	0.18	44.9
D	ML145				QC	MLWL12008	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3927	-999	0.624	0.023	0.055	21.8	22.9	13.7
D	ML145				QC	BLK1	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3949	-999	0.0072	0.003	-0.001	1.375	0.02	43.2
D	ML145				QC	N2Z-2008	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3950	-999	0.158	0.025	0.035	52.3	0.07	5.9
D	ML145				QC	GIOP-13	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3951	-999	-0.0008	-0.001	-0.001	19.4	0.16	22.4
D	ML145				QC	GIOP-13	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3928	-999	-0.0008	-0.001	-0.001	19.65	0.32	22.7
D	ML145	80	82	2	50HQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3914	8.46	0.009	0.008	-0.001	11.55	2.93	18.7
D	ML145	82	84	2	50HQ-50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3915	11.28	0.0114	0.01	-0.001	13.15	3.14	17.8
D	ML145	84	86	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3916	21.08	0.0614	0.06	-0.001	20	4.41	14.95
D	ML145	86	88	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3917	9.27	0.0746	0.071	-0.001	20.9	3.76	15.55
D	ML145	88	90	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3918	2.28	0.0372	0.033	-0.001	16	1.41	17.2
D	ML145	90	92.7	2.7	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3919	1.12	0.052	0.05	-0.001	24.5	1.18	15.65
D	ML145	92.7	95	2.3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3920	58.62	0.1755	0.165	-0.001	25.6	5.81	14.1
D	ML145	95	97	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3921	5.45	0.0333	0.031	-0.001	15	3.69	17.95
D	ML145	97	99	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3922	4.2	0.281	0.229	-0.001	18.3	4.61	16.75
D	ML145	99	101	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3923	18.09	0.225	0.218	-0.001	30.5	5.64	11.25
D	ML145	101	103	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3924	63.66	0.1865	0.174	0.013	41.4	2.28	10.9
D	ML145	103	105	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3925	7.16	0.0531	0.056	-0.001	15.6	2.6	18
D	ML145	105	107	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3929	23.2	0.1445	0.141	-0.001	20.6	3.02	15.45
D	ML145	107	109	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3930	17.43	0.1335	0.119	-0.001	21	1.93	15.7
D	ML145	109	111	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3931	1.87	0.0807	0.079	-0.001	14.2	1.51	17.15
D	ML145	111	113	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3932	5.52	0.0712	0.064	-0.001	15.85	1.42	17.95
D	ML145	113	115	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3933	53.82	0.182	0.168	-0.001	23.7	1.28	15.15
D	ML145	115	117	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3934	101.76	0.201	0.179	-0.001	20	0.51	16.2
D	ML145	117	119	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3935	4.05	0.0608	0.052	-0.001	13.85	1.31	16.9
D	ML145	119	121	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3936	67.34	0.099	0.082	-0.001	18.8	0.73	14.55
D	ML145	121	123	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3937	10.28	0.0414	0.033	-0.001	10.05	0.18	15.85
D	ML145	123	125	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3938	0.97	0.0032	0.002	-0.001	8.69	0.23	19.6
D	ML145	125	127	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3939	3.61	0.0086	0.007	-0.001	9.63	0.38	19.8
D	ML145	127	129	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3940	58.7	0.0543	0.044	-0.001	12.1	0.77	16.45

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
H1001																
D	ML145	129	131	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3941	8.57	0.0966	0.084	-0.001	15.55	0.98	14.25
D	ML145	131	133	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3942	22.36	0.1145	0.102	-0.001	20.8	1.26	12.35
D	ML145	133	135	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3943	36.8	0.0958	0.085	-0.001	20.4	0.3	12.8
D	ML145	135	137	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3944	201.15	0.0908	0.084	-0.001	17.65	0.53	13.95
D	ML145	137	139	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3945	85.28	0.0882	0.079	-0.001	16.5	0.56	13
D	ML145	139	141	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3946	2.43	0.0344	0.028	-0.001	9.74	0.18	17.55
D	ML145	141	143	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3947	19.63	0.0523	0.04	-0.001	14.8	0.45	16
D	ML145	143	145	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3948	1.82	0.0223	0.016	-0.001	11.15	0.42	18.25
D	ML145	145	147	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3952	1.73	0.0079	0.007	-0.001	11.8	0.32	20
D	ML145	147	149	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3953	1.37	0.0039	0.004	-0.001	10.3	0.19	21.2
D	ML145	149	151	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3954	6.59	0.126	0.098	-0.001	18.55	0.82	17.5
D	ML145	151	153	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3955	23.04	0.141	0.106	-0.001	23.1	0.94	13.45
D	ML145	153	155	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09141851	MLD3956	2.4	0.0307	0.018	-0.001	6.9	0.52	10
D	ML145	155	157	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09145825	MLD3957	3.35	0.0039	0.004	-0.001	6.81	0.41	13.8
D	ML145	157	159	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09145825	MLD3958	10.26	0.0112	0.008	-0.001	7.65	0.93	14.3
D	ML145	159	161	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09145825	MLD3959	5.01	0.0386	0.028	-0.001	8.99	1.59	12.1
D	ML145	161	163	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09145825	MLD3960	1.6	0.0282	0.018	-0.001	6.71	1.16	11.35
D	ML145	163	165	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09145825	MLD4000	1.41	0.0148	0.009	-0.001	4.72	0.23	12.15
D	ML145	165	166	1	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09145825	MLD4001	1.48	0.018	0.011	-0.001	4.6	0.11	11.1
D	ML145	166	168	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD09145825	MLD4002	3.03	0.0748	0.059	-0.001	14.55	0.5	17.65
D	ML146				QC	MTZP12008	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3982	-999	0.368	0.044	-0.001	33.6	2.93	11.9
D	ML146				QC	BLK1	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3981	-999	-0.0008	0.001	-0.001	0.281	0.03	46.4
D	ML146				QC	GIOP-20	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3983	-999	-0.0008	-0.001	0.035	47.8	0.02	7.14
D	ML146	190	192	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3961	2.73	0.04	-999	0.01	8.6	0.5	-999
D	ML146	192	194	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3962	5.6	0.03	-999	0.01	8.8	1.3	-999
D	ML146	194	196	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3963	216.1	0.0774	0.017	0.213	20.7	1.37	14.9
D	ML146	196	198	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3964	42.92	0.109	0.008	0.01	26	5.4	11.3
D	ML146	198	200	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3965	32.06	0.119	0.006	0.096	30.6	6.78	12.05
D	ML146	200	202	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3966	177.2	0.31	0.01	-0.001	28.2	4.3	11.65
D	ML146	202	204	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3967	184.1	0.0409	0.006	-0.001	32.7	3.67	10.5
D	ML146	204	206	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3968	4.66	0.207	0.01	-0.001	24.7	3.44	14.25
D	ML146	206	208	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3969	486.56	0.922	0.016	-0.001	22.7	3.41	14.3
D	ML146	208	210	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3970	774.42	0.0301	0.007	0.039	38.5	2.36	8.24
D	ML146	210	212	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3971	511.4	0.0394	0.006	0.192	35	4.35	9.33
D	ML146	212	214	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3972	1000	0.0633	0.01	0.497	42.2	1.74	8.7
D	ML146	214	216	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3973	997.16	0.1975	0.026	0.386	43.1	1.7	8.37
D	ML146	216	218	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3974	688.05	0.0886	0.028	0.344	34.3	3.03	10.35
D	ML146	218	220	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3975	584.3	0.108	0.06	0.194	26.3	2.08	14.75
D	ML146	220	222	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3976	47.77	0.142	0.104	-0.001	23	2.03	15.65
D	ML146	222	224	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3977	10.14	0.1245	0.059	0.055	23.6	1.69	15.75
D	ML146	224	226	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3978	8.12	0.525	0.08	0.01	22.2	1.44	15.2
D	ML146	226	228	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3979	606.34	0.1585	0.039	-0.001	31.2	2.67	12.9
D	ML146	228	230	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3980	592.02	0.206	0.038	-0.001	29.5	2.65	13.4
D	ML146	230	232	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3984	875.17	0.231	0.031	-0.001	31.3	2.2	13.35
D	ML146	232	234	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3985	442.91	0.0674	0.056	-0.001	21.1	1.27	15.85
D	ML146	234	236	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3986	81.31	0.0891	0.06	2.673	24	3.68	13.6
D	ML146	236	238	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3987	5.75	0.0318	0.025	0.271	14.8	2.67	16.9
D	ML146	238	240	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3988	217.82	0.0678	0.043	-0.001	17.1	1.73	16.45
D	ML146	240	242	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3989	490.24	0.0798	0.068	0.146	34.2	2.16	11.65
D	ML146	242	244	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3990	7.61	0.0765	0.057	-0.001	12.7	1.57	17.5
D	ML146	244	246	2	50NQ	N	SGSR-XRF75E, ALSP-ICP61,ICP69,XRF12	PH09145079	MLD3991	17.06	0.0209	0.014	-0.001	7.81	1.66	15.4
D	ML146	246	248	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3992	6.53	0.03	-999	0.03	7.9	1.3	-999
D	ML146	248	250	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3993	14.3	-0.01	-999	-0.01	10	2.9	-999
D	ML146	250	252	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3994	15.55	0.03	-999	-0.01	10.5	2.4	-999
D	ML146	252	254	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3995	17.53	0.01	-999	0.02	9.8	3.1	-999
D	ML146	254	256	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3996	22.08	0.03	-999	0.02	7.5	2.2	-999
D	ML146	256	258	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3997	8.76	0.02	-999	0.02	7.2	1.9	-999
D	ML146	258	260	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3998	7.44	0.01	-999	0.02	9.6	4	-999
D	ML146	260	262	2	50NQ	N	SGSR-XRF75E	BT012965	MLD3999	4.03	-0.01	-999	0.02	8.9	2.6	-999
D	ML147				QC	MLWL12008	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4046	-999	0.667	0.028	0.066	21.8	-1111	13.6
D	ML147				QC	BLK1	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4045	-999	-0.0008	0.001	0.001	1.05	0.09	45.3
D	ML147				QC	BLK1	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4068	-999	0.0039	0.004	-0.001	2.36	0.13	44.3
D	ML147				QC	N22-2008	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4069	-999	0.151	0.037	0.04	52.5	0.07	5.9
D	ML147				QC	GIOP32	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4047	-999	-0.0008	-0.001	0.026	30	0.12	23.6

Appendix F: Drill Hole Assays

H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus	Sn_XRF	Sn_ICP61	WO3	Fe	S	Si
H1001		metres	metres	metres						1x10-3 SI units	%	%	%	%	%	%
D	ML147				QC	GIOP13	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4070	-999	-0.0008	-0.001	-0.001	19.15	0.17	22.5
D	ML147	316	318	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4040	5.42	0.0008	0.001	-0.001	8.47	1.28	23.3
D	ML147	318	320	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4041	5.63	0.0046	0.001	-0.001	7.28	1.17	23.5
D	ML147	320	322	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4042	8.37	0.0079	0.008	-0.001	8.96	1.91	22.1
D	ML147	322	324	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4043	17.88	0.117	0.081	-0.001	19.45	1.16	17.55
D	ML147	324	326	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4044	106.32	0.114	0.079	0.005	18.85	1.68	16.75
D	ML147	326	328	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4048	395.82	0.112	0.083	-0.001	27.4	1.59	14.6
D	ML147	328	330	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4049	57.66	0.0669	0.059	0.003	24.9	3.01	17.05
D	ML147	330	332	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4050	440.53	0.0338	0.019	-0.001	35.1	4.71	11.6
D	ML147	332	334	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4051	299.49	0.17	0.104	-0.001	26	1.36	15.2
D	ML147	334	336	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4052	296.2	0.471	0.051	0.116	30.3	0.62	14.6
D	ML147	336	338	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4053	215.79	0.161	0.107	-0.001	25.4	1.8	14.9
D	ML147	338	340	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4054	616.91	0.185	0.098	0.004	26.1	2.9	14.2
D	ML147	340	342	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4055	287.19	0.132	0.099	-0.001	28.9	1.38	13.75
D	ML147	342	344	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4056	594.37	0.1655	0.088	0.02	30.3	1.03	13.35
D	ML147	344	346	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4057	362.19	0.138	0.098	0.003	29.4	1.07	13.95
D	ML147	346	348	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4058	678.53	0.121	0.096	-0.001	29.6	0.52	13.95
D	ML147	348	350	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4059	569.18	0.129	0.094	-0.001	29.3	0.8	13.95
D	ML147	350	352	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4060	733.65	0.1235	0.038	0.028	36.4	0.79	12.05
D	ML147	352	354	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4061	143.34	0.1215	0.07	0.034	26.9	1.85	15.15
D	ML147	354	356	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4062	24.87	0.1065	0.076	-0.001	24.9	1.9	15.55
D	ML147	356	358	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4063	151.54	0.115	0.08	-0.001	22.6	1.95	16.2
D	ML147	358	360	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4064	44.16	0.119	0.097	-0.001	21.7	1.47	16.95
D	ML147	360	362	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4065	692.09	0.0733	0.049	0.015	35.2	1.53	12.55
D	ML147	362	364	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4066	256.33	0.0804	0.066	-0.001	22.1	0.92	15.6
D	ML147	364	366	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4067	82.98	0.0753	0.064	-0.001	15.05	1.77	17.25
D	ML147	366	368	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4071	576.4	0.0898	0.062	0.009	27.1	4.29	12.25
D	ML147	368	370	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4072	142.29	0.1105	0.068	0.038	23.9	2.33	14.6
D	ML147	370	372	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4073	125.21	0.0488	0.043	-0.001	14.25	1.78	17.6
D	ML147	372	374	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4074	4.04	0.0296	0.023	-0.001	11.2	1.4	17.65
D	ML147	374	376	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4075	55.41	0.0222	0.02	-0.001	11.6	1.23	19
D	ML147	376	378	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4076	6.56	0.0044	0.003	-0.001	9.55	2.11	19.85
D	ML147	378	380	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4077	12.09	0.0015	0.002	-0.001	9.7	3.17	20.4
D	ML147	380	382	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4078	17.49	-0.0008	0.002	-0.001	10	2.78	20.9
D	ML147	382	384	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4079	14.55	-0.0008	0.001	-0.001	9.31	3.36	21.1
D	ML147	384	386	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4080	15.3	0.0015	0.002	-0.001	9.33	4.07	21.4
D	ML147	386	388	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4081	48.77	0.0415	0.035	-0.001	14.05	2.5	15.7
D	ML147	388	390	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4082	13.03	0.026	0.021	-0.001	9.18	2.16	19
D	ML147	390	392	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4083	8.81	0.0051	0.003	-0.001	9.41	3.81	19.85
D	ML147	392	394	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4084	9.81	-0.0008	0.001	-0.001	7.43	2.43	25.6
D	ML148				QC	N2Z-2008	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4023	-999	0.155	0.038	0.039	52.4	0.08	5.82
D	ML148				QC	GIOP-13	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4024	-999	-0.0008	-0.001	-0.001	19.5	0.18	22.3
D	ML148				QC	BLK1	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4022	-999	0.0008	-0.001	-0.001	0.977	0.03	45.1
D	ML148	103	105	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4003	14.57	-0.0008	0.001	-0.001	10.9	6.13	21.3
D	ML148	105	107	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4004	14.77	0.0015	0.002	-0.001	9.02	4.37	19.05
D	ML148	107	109	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4005	9.83	0.0008	0.001	-0.001	8.32	3.39	21.3
D	ML148	109	111	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4006	8.41	0.0077	0.005	-0.001	8.9	2.74	18.2
D	ML148	111	113	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4007	4.41	0.0067	0.003	-0.001	9.63	3.45	17.7
D	ML148	113	115.5	2.5	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4008	2.74	0.0053	0.005	-0.001	8.63	2.48	18.35
D	ML148	115.5	117	1.5	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4009	2.29	0.0094	0.005	-0.001	7.15	2.02	13.9
D	ML148	117	119	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4010	3.3	0.0078	0.003	-0.001	6.37	1.69	15.6
D	ML148	119	121	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4011	1.51	0.0064	0.003	-0.001	6.6	1.43	14.95
D	ML148	121	122.1	1.1	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4012	1.78	0.015	0.009	-0.001	8.6	0.28	17.1
D	ML148	122.1	123.4	1.3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4013	1.26	0.0064	0.005	-0.001	10.7	0.43	16.6
D	ML148	123.4	125.5	2.1	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4014	0.78	0.0064	0.007	-0.001	13	0.09	17.05
D	ML148	125.5	127.8	2.3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4015	0.92	0.0008	0.005	-0.001	16.35	0.02	15.7
D	ML148	127.8	128.1	0.3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4016	0.8	-0.0008	0.001	-0.001	11.4	0.07	19.35
D	ML148	128.1	129.7	1.6	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4017	1.07	0.016	0.015	-0.001	15.75	0.01	18.3
D	ML148	129.7	131.5	1.8	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4018	1.15	0.0087	0.005	-0.001	10.4	0.78	17.25
D	ML148	131.5	133.1	1.6	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4019	1.75	0.0072	0.004	-0.001	9.05	0.4	18.3
D	ML148	133.1	135.5	2.4	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4020	1.23	0.0134	0.009	-0.001	7.64	1.23	16.8
D	ML148	135.5	137.5	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4021	0.82	0.014	0.007	-0.001	7.11	0.99	16.7
D	ML148	137.5	140	2.5	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4025	1.64	0.0134	0.006	-0.001	6.06	0.33	16.25
D	ML148	140	142.3	2.3	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4026	1.44	0.0119	0.007	-0.001	6.01	0.05	16.75

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML148	142.3	144	1.7	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4027	3.02	0.0145	0.009	-0.001	5.96	0.37	17.1
D	ML148	144	146	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4028	2.21	0.01	0.007	-0.001	6.56	0.54	19.95
D	ML148	146	148	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4029	2.33	0.0054	0.004	-0.001	7.9	0.48	20.3
D	ML148	148	150	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4030	2.89	0.0142	0.008	-0.001	6.11	0.34	15.5
D	ML148	150	152	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4031	5.05	0.0134	0.007	-0.001	6.39	1.3	16.45
D	ML148	152	154	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4032	3.97	0.0062	0.003	-0.001	8.11	1.35	18.7
D	ML148	154	156	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4033	2.28	0.0008	-0.001	-0.001	8.17	0.8	17.25
D	ML148	156	158	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4034	1.22	0.0024	-0.001	-0.001	5.56	0.5	12.4
D	ML148	158	160	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4035	1.03	0.0032	-0.001	-0.001	4.45	0.38	10.6
D	ML148	160	162	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4036	1.24	0.0039	-0.001	-0.001	4.82	0.38	11.05
D	ML148	162	164	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4037	0.86	0.0032	-0.001	-0.001	4.82	0.43	11.25
D	ML148	164	166	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4038	0.76	0.0024	-0.001	-0.001	3.52	0.39	9.36
D	ML148	166	168	2	50NQ	N	ALSAP-ICP61,ICP69,XRF12	AD10000660	MLD4039	1.01	0.0024	-0.001	-0.001	5.25	0.43	12.2
D	ML149				STD	N2Z-2008	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4115	-999	0.152	0.041	0.025	52.3	0.09	5.93
D	ML149				STD	BLK1	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4114	-999	0.0024	0.001	0.004	0.7	0.05	46.1
D	ML149				STD	STD-GIOP13	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4116	-999	-0.0008	-0.001	-0.001	19.4	0.16	22.6
D	ML149	140	142	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4109	11.05	0.0036	0.002	-0.001	10	3.65	19.2
D	ML149	142	144	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4110	14.96	0.032	0.031	-0.001	14.35	3.34	18.1
D	ML149	144	146	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4111	10.02	0.0257	0.028	-0.001	11.85	2.45	19.6
D	ML149	146	148	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4112	15.55	0.0303	0.03	-0.001	12.6	2.83	18.5
D	ML149	148	150	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4113	256.01	0.104	0.103	-0.001	30.2	3.7	12.75
D	ML149	150	152	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4117	206.44	0.0303	0.031	-0.001	22.5	2.03	16.4
D	ML149	152	154	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4118	314.96	0.113	0.094	-0.001	22.7	1.89	13
D	ML149	154	156	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4119	7	0.0144	0.009	-0.001	8.84	2	18.55
D	ML149	156	158	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4120	4.36	0.008	0.005	-0.001	6.78	0.93	17.65
D	ML149	158	160	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4121	6.23	0.0118	0.007	-0.001	6.41	1.77	12.6
D	ML149	160	162	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4122	8.6	0.0094	0.002	-0.001	5.93	1.71	12.05
D	ML149	180	184	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4572	3.4	0.0158	0.009	-0.0013	6.1	0.68	12.4
D	ML149	184	188	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4573	7.15	0.0072	0.004	-0.0013	5.5	1.3	11.25
D	ML149	188	192	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4574	10.77	0.0047	0.003	-0.0013	7.96	1.76	17.6
D	ML149	192	196	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4575	9.53	0.0108	0.007	-0.0013	7.97	1.54	16
D	ML149	196	200	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4576	6.97	0.0172	0.012	-0.0013	8.93	1.39	17.1
D	ML149	200	204	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4577	3.13	0.011	0.008	-0.0013	6.66	0.6	14.95
D	ML149	204	208	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4578	3.31	0.0168	0.011	-0.0013	6.46	0.55	15.65
D	ML149	208	212	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4579	5.08	0.015	0.01	-0.0013	6.5	0.74	15.9
D	ML149	212	216	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4580	2.51	0.0056	0.005	-0.0013	7.9	0.49	18.65
D	ML149	219	221	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4123	6.44	0.0229	0.014	-0.001	7.59	0.71	14.95
D	ML149	221	223	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4124	7.78	0.0324	0.02	-0.001	9.99	1.73	13.35
D	ML149	223	225	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4125	8.3	0.0161	0.017	-0.001	5.73	1.1	12
D	ML149	225	227	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4126	4.54	0.017	0.007	-0.001	5.1	0.53	10.6
D	ML149	227	229	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4127	2.32	0.0166	0.006	-0.001	4.38	0.36	11.1
D	ML149	229	231	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4128	2.09	0.0174	0.006	-0.001	4.28	0.23	12.2
D	ML149	231	233	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	MLD4129	3.45	0.0112	0.004	-0.001	5.67	0.66	13.15
D	ML150				STD	MTZP2008	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4138	-999	0.409	0.051	0.003	33.7	3.18	11.25
D	ML150				STD	BLK1	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4137	-999	0.0096	0.002	0.004	0.383	0.01	46.2
D	ML150				STD	STD-GIOP13	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4139	-999	-0.0008	-0.001	-0.001	19.65	0.18	22.3
D	ML150	212	214	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4130	2.63	0.0049	0.003	-0.001	4.72	0.82	6.35
D	ML150	214	216	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4131	2.67	0.0234	0.005	-0.001	15.3	1.74	8.34
D	ML150	216	218	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4132	1.83	0.353	0.008	-0.001	23.6	3.01	11.85
D	ML150	218	220	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4133	405.07	0.0272	0.014	0.001	27.6	1.17	12
D	ML150	220	222	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4134	1.41	0.0277	0.02	-0.001	7.54	0.78	15.75
D	ML150	222	224	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4135	469.16	0.336	0.014	-0.001	19	0.74	13.9
D	ML150	224	226	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4136	324.86	0.0906	0.014	0.038	28.8	1.41	12.65
D	ML150	226	228	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4140	357.85	0.156	0.058	0.001	26.5	4.04	11.45
D	ML150	228	230	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4141	10.04	0.732	0.022	-0.001	19.05	1.86	16.25
D	ML150	230	232	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4142	129.38	0.061	0.019	0.337	11.1	0.8	15.45
D	ML150	232	234	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4143	107.85	0.158	0.009	0.014	26.6	4.17	11.95
D	ML150	234	236	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4144	26.08	0.1245	0.007	-0.001	25.9	3.14	13.55
D	ML150	236	238	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4145	196.75	0.331	0.021	0.026	28.7	3	11.65
D	ML150	238	240	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4146	12.83	0.431	0.015	0.144	23.6	4.32	11.95
D	ML150	240	242	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4147	214.33	0.0569	0.005	0.011	31.1	2.94	10.85
D	ML150	242	244	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4148	15.47	0.1935	0.008	0.02	27.8	2.26	10.75
D	ML150	244	246	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4149	335.78	0.235	0.014	0.23	27.7	3.31	10.4
D	ML150	246	248	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4150	2.95	0.184	0.009	0.023	21.9	5.25	13

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML150	248	250	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4151	304.5	0.15	0.008	0.062	28	4.35	11.2
D	ML150	250	252	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4152	62.8	0.1125	0.006	0.129	23.4	2.86	14.35
D	ML150	252	254	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4153	216.41	0.1195	0.007	0.063	29.5	2.57	12.25
D	ML150	254	256	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4154	35.83	2.31	0.022	0.018	22.2	1.14	15.3
D	ML150	256	258	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4155	2.75	0.369	0.01	0.117	26.2	0.98	12.25
D	ML150	258	260	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4156	132.3	0.279	0.008	-0.001	23.6	1.36	13.35
D	ML150	260	262	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4157	40.35	0.275	0.018	-0.001	10.95	1.08	14.05
D	ML150	262	264	2	50NQ	N	SGSR-XRF75E,ALSP-XRF12ICP61ICP69	BT013772,PH10007665	MLD4158	6.08	0.029	0.018	-0.001	7.81	1.48	16.7
D	ML151				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4569	-999	-0.0008	-0.001	0.0429	19.45	0.18	22.5
D	ML151				STD	N2Z-2008	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4568	-999	0.1545	0.033	0.0113	52.4	0.07	5.95
D	ML151				BLK	BLK1	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4567	-999	-0.0008	-0.001	-0.0013	0.848	0.14	44.8
D	ML151	154	158	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4551	1.15	-0.0008	0.001	-0.0013	8.17	0.36	23.7
D	ML151	158	162	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4552	2.27	-0.0008	-0.001	-0.0013	7.38	0.23	24.2
D	ML151	162	166	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4553	1.91	0.0076	-0.001	-0.0013	7.91	0.63	24.1
D	ML151	166	170	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4554	2.26	0.0086	0.008	-0.0013	10.45	0.47	21.5
D	ML151	170	174	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4555	3.03	0.0216	0.012	-0.0013	10.45	1.4	19.35
D	ML151	174	178	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4556	2.82	0.0053	0.006	-0.0013	8.77	2.47	20.6
D	ML151	178	182	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4557	2.76	-0.0008	-0.001	-0.0013	9.76	1.9	22.2
D	ML151	182	186	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4558	1.24	-0.0008	-0.001	-0.0013	8.75	0.24	24.1
D	ML151	186	190	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4559	1.55	-0.0008	-0.001	-0.0013	9.4	0.17	23.5
D	ML151	190	194	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4560	3.55	-0.0008	-0.001	-0.0013	9.8	1.24	22.7
D	ML151	194	198	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4561	2.75	-0.0008	-0.001	-0.0013	8.07	0.42	24.1
D	ML151	198	202	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4562	2.75	-0.0008	-0.001	-0.0013	7.83	0.77	22.5
D	ML151	202	206	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4563	4.04	-0.0008	-0.001	-0.0013	8.06	1.41	22
D	ML151	206	210	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4564	9	0.0008	-0.001	-0.0013	8.26	1.94	21.6
D	ML151	210	214	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4565	9.92	0.0015	-0.001	-0.0013	9.28	2.15	21.6
D	ML151	214	218	4	25NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	MLD4566	13.42	-0.0008	-0.001	-0.0013	7.69	2.58	24.3
D	ML152				STD	GIOP-20	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4193	-999	-0.0008	-0.001	-0.001	48.1	0.01	7.05
D	ML152				BLK	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4191	-999	0.0024	0.001	-0.001	0.065	0.01	46.6
D	ML152				STD	N2Z2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4192	-999	0.159	0.039	0.042	52.4	0.07	5.77
D	ML152	207	209	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4265	1.43	-0.0008	-0.001	-0.001	10.4	0.2	23.8
D	ML152	209	211	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4266	1.36	-0.0008	-0.001	-0.001	10.15	0.09	24.2
D	ML152	211	213	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4169	5.35	0.0197	0.008	0.087	9.94	1.06	21.1
D	ML152	213	215	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4170	3.89	0.0551	0.044	0.095	9.95	1.86	16.55
D	ML152	215	217	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4171	7.87	0.0599	0.047	0.34	10.25	1.83	13.6
D	ML152	217	219	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4172	5.42	0.0417	0.028	-0.001	6.91	0.98	13.8
D	ML152	219	221	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4173	52.38	0.351	0.257	0.038	15.15	1.12	11.5
D	ML152	221	223	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4174	7.13	0.0221	0.013	-0.001	5.54	1.14	11.5
D	ML152	223	225	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4175	423.49	0.0929	0.019	-0.001	22.8	0.77	9.05
D	ML152	225	227	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4176	688.83	0.1835	0.015	0.035	29.4	1.17	12.7
D	ML152	227	229	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4177	733.16	1.165	0.031	0.174	40	2.76	7.44
D	ML152	229	231	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4178	450.94	0.819	0.026	0.026	31.9	1	10.85
D	ML152	231	233	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4179	7.97	0.0252	0.017	-0.001	5.59	1.07	10.4
D	ML152	233	235	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4180	5.45	0.04	-999	0.04	6.6	0.9	-999
D	ML152	235	237	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4181	5.1	0.03	-999	0.05	4.6	0.7	-999
D	ML152	237	239	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4182	2.79	0.01	-999	0.02	3.1	0.4	-999
D	ML152	239	241	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4183	5.04	0.04	-999	0.08	4.3	0.7	-999
D	ML152	241	243	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4184	3.47	0.03	-999	0.05	3.1	0.3	-999
D	ML152	243	245	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4185	8.03	0.03	-999	0.04	5.8	1.3	-999
D	ML152	245	247	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4186	2.51	0.03	-999	0.02	4.6	0.4	-999
D	ML152	247	249	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4187	8.54	-0.01	-999	0.02	6.5	1.4	-999
D	ML152	249	251	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4188	51.51	0.01	-999	0.03	10.9	2.2	-999
D	ML152	251	253	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4189	4.49	-0.01	-999	0.01	4	0.8	-999
D	ML152	253	255	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4190	9.42	-0.01	-999	0.01	6.7	1.3	-999
D	ML152	255	257	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4194	65.47	0.1025	0.022	-0.001	15.15	1.67	16.75
D	ML152	257	259	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4195	10.66	0.309	0.01	-0.001	13.1	2.01	18.15
D	ML152	259	261	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4196	253.48	0.1725	0.022	-0.001	22.5	1.69	15.1
D	ML152	261	263	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4197	161	0.13	0.033	0.121	16.3	2.18	15.65
D	ML152	263	265	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4198	511.79	1.36	0.033	-0.001	28.8	4.08	10.5
D	ML152	265	267	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4267	17.22	0.0023	0.002	-0.001	9.2	3.43	20
D	ML152	267	269	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4268	22.41	-0.0008	-0.001	-0.001	9.25	4.24	20.9
D	ML152	269	271	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4269	14.25	0.0266	0.026	0.009	11.05	3.72	21.4
D	ML152	271	273	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4270	14.98	-0.0008	0.001	-0.001	9.04	4.9	22.3
D	ML152	273	275	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4271	11.3	-0.0008	0.001	-0.001	9.83	5.1	21.5

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 Si units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML152	275	277	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4272	12.42	0.03	0.024	-0.001	14.2	4.08	18.95
D	ML152	277	279	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4273	10.77	0.0091	0.008	-0.001	9.61	2.52	21.9
D	ML152	279	281	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4274	8.18	0.0008	0.003	-0.001	8.28	2.72	24.1
D	ML152	281	283	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10014672	MLD4275	4.96	-0.0008	-0.001	-0.001	7.63	1.57	25.8
D	ML153				STD	GIOP-20	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4239	-999	-0.0008	-0.001	-0.001	47.9	0.01	6.96
D	ML153				STD	N2Z-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4238	-999	0.155	0.037	0.038	52.4	0.08	5.81
D	ML153				BLK	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4237	-999	0.0048	0.001	0.006	0.15	0.01	46.5
D	ML153	221	223	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4222	3.75	0.0242	0.003	-0.001	7.54	0.95	24.6
D	ML153	223	225	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4223	7.33	0.0068	0.001	-0.001	8.8	1.45	22.1
D	ML153	225	227	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4224	184.03	0.034	0.031	-0.001	13.15	1.54	20.1
D	ML153	227	229	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4225	553.91	0.0932	0.083	-0.001	27	1.95	13.85
D	ML153	229	231	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4226	710.12	0.0918	0.083	0.014	31.1	1.62	12.15
D	ML153	231	233	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4227	51.45	0.368	0.019	-0.001	25.1	4.78	12.5
D	ML153	233	235	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4228	204.1	0.386	0.008	-0.001	27.9	3.01	12.7
D	ML153	235	237	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4229	174.35	0.0849	0.024	-0.001	25	0.79	14.6
D	ML153	237	239	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4230	601.83	0.505	0.03	-0.001	31.6	0.53	13.4
D	ML153	239	241	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4231	1000	0.259	0.011	0.016	41.3	0.55	10.05
D	ML153	241	243	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4232	791.65	0.204	0.045	0.053	42.1	2.39	8.22
D	ML153	243	245	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4233	9.3	0.0015	0.002	-0.001	9.07	2.42	21.6
D	ML153	245	247	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4234	4.91	0.0221	0.02	-0.001	9.88	1.91	20.7
D	ML153	247	249	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4235	670.51	0.1255	0.035	-0.001	33.3	1.92	12.3
D	ML153	249	251	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4236	896.66	0.116	0.046	0.004	44.5	2.19	7.43
D	ML153	251	253	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4240	1000	0.128	0.033	0.03	50.4	1.09	6.12
D	ML153	253	255	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4241	709.88	0.117	0.053	0.013	46	0.83	7.87
D	ML153	255	257	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4242	742.88	0.1205	0.093	-0.001	31.3	1.34	12.15
D	ML153	257	259	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4243	700.16	0.0949	0.058	0.003	40.3	2.34	7.76
D	ML153	259	261	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4244	789.83	0.146	0.039	-0.001	47.2	0.86	7.24
D	ML153	261	263	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4245	372.12	0.0608	0.048	-0.001	26.6	2.44	12.1
D	ML153	263	265	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4246	70.86	0.0478	0.04	0.047	14.85	3.07	15
D	ML153	265	267	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4247	115.67	0.0438	0.04	-0.001	15.15	2.08	16.15
D	ML153	267	269	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4248	12.18	0.0036	0.002	-0.001	9.42	3.28	20.1
D	ML153	269	271	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4249	13.57	0.0015	0.002	-0.001	11.2	3.86	19.65
D	ML153	271	273	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4250	12.44	-0.0008	-0.001	-0.001	7.8	3.52	24.2
D	ML153	273	275	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4251	5.87	-0.0008	-0.001	-0.001	8.02	1.58	23.6
D	ML154				STD	GIOP-17	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4168	-999	-0.0008	0.001	0.055	58.1	0.14	2.83
D	ML154				STD	MLWL12008	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4167	-999	0.573	0.021	0.066	21	-1111	13.15
D	ML154				BLK	BLK1	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4166	-999	-0.0008	-0.001	-0.001	0.551	0.02	46.1
D	ML154	120	122	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4159	0.94	-0.0008	-0.001	-0.001	8	0.06	22.9
D	ML154	122	124	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4160	9.33	0.0015	0.002	-0.001	8.28	1.99	22.6
D	ML154	124	126	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4161	42.03	0.0095	0.011	-0.001	18.65	6.35	18.05
D	ML154	126	128	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4162	8.56	0.0304	0.023	-0.001	9.24	1.79	12.35
D	ML154	128	130	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4163	8.69	0.0378	0.031	-0.001	11.6	1.65	13.35
D	ML154	130	132	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4164	3.6	0.0164	0.013	-0.001	10.1	1.04	19.4
D	ML154	132	134	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10011987	MLD4165	7.62	-0.0008	0.001	-0.001	6.81	1.68	21.9
D	ML154	319	321	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4252	7.75	0.0055	-0.001	-0.001	4.88	1.7	10.1
D	ML154	321	323	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4253	6.31	0.0088	0.003	-0.001	4.65	1.13	9.96
D	ML154	323	325	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4254	51.65	0.0106	0.006	0.142	13.8	5.38	8.78
D	ML154	325	327	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4255	12.79	0.0114	0.007	-0.001	5.05	1.07	8
D	ML154	327	329	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014194,PH10017246	MLD4256	13.5	0.0165	0.009	-0.001	6.29	1.74	10.65
D	ML155				BLK	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4214	-999	0.0033	0.002	0.004	0.093	0.02	46.3
D	ML155				STD	GIOP-13	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4216	-999	-0.0008	-0.001	-0.001	19.75	0.17	22.7
D	ML155				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4215	-999	0.646	0.03	0.068	21.5	24.8	14.2
D	ML155	323	325	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4199	9.3	-0.01	-999	0.02	8.8	1.7	-999
D	ML155	325	327	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4200	7.33	0.0937	0.05	-0.001	18.7	1.89	18.15
D	ML155	327	329	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4201	4.35	0.1015	0.068	-0.001	24	1.62	16.5
D	ML155	329	331	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4202	3.95	0.0693	0.058	0.122	24.1	0.58	18.6
D	ML155	331	333	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4203	3.59	0.342	0.058	0.039	23.1	1.03	17.85
D	ML155	333	335	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4204	3.9	0.355	0.081	0.252	21.9	1.09	18.35
D	ML155	335	337	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4205	4.43	0.115	0.084	-0.001	23.1	1.4	17.1
D	ML155	337	339	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4206	3.35	0.28	0.048	0.24	20.3	0.79	19.45
D	ML155	339	341	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4207	3.69	0.0803	0.054	0.006	23	1	17
D	ML155	341	343	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4208	4.33	0.1025	0.081	-0.001	23.6	2.05	15.85
D	ML155	343	345	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4209	5.01	0.1995	0.049	0.182	31.5	7.43	11.3
D	ML155	345	347	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4210	11.73	0.121	0.093	-0.001	22.3	1.98	16

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10 ⁻³ SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
H1001	ML155	347	349	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4211	14.2	0.0778	0.068	-0.001	18.75	1.61	17.35
	ML155	349	351	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4212	6.04	0.0935	0.063	-0.001	23.7	2.25	15.75
	ML155	351	353	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4213	7.83	0.129	0.043	0.255	28	6.04	13.15
	ML155	353	355	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4217	21.25	0.0735	0.057	-0.001	15.95	1.7	15.75
	ML155	355	357	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014111,PH10017246	MLD4218	18.94	0.106	0.077	-0.001	20.7	2.46	15.45
	ML155	357	359	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4219	8.9	0.03	-999	-0.01	8.4	1.8	-999
	ML155	359	361	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4220	8.74	0.05	-999	0.02	9	1.4	-999
	ML155	361	363	2	50NQ	N	SGSR-XRF75E	BT014111	MLD4221	6.29	0.02	-999	0.01	9.5	0.7	-999
	ML156				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4412	-999	-0.0008	-0.001	-0.0013	19.4	0.32	22.2
	ML156				STD	BLK1	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4410	-999	0.0008	0.001	-0.0013	0.567	0.04	46.1
	ML156				STD	N2Z-2008	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4411	-999	0.624	0.031	0.0555	21.5	-1111	14.05
	ML156	148	150	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4397	1.72	-0.0008	-0.001	-0.0013	8.05	0.15	25.8
	ML156	150	152	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4398	3.55	-0.0008	0.001	-0.0013	9.39	0.27	23.2
	ML156	152	154	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4399	2.58	0.0016	0.001	-0.0013	9.33	0.18	22.8
	ML156	154	156	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4400	1.85	0.0032	0.002	-0.0013	9.58	0.16	22.6
	ML156	156	158	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4401	4.78	0.0074	0.008	-0.0013	11.95	0.51	21.1
	ML156	158	160	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4402	40.65	0.0261	0.022	-0.0013	12.25	1.07	17.2
	ML156	160	162	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4403	20.63	0.0472	0.043	-0.0013	13.85	1.37	18.2
	ML156	162	164	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4404	12.05	0.0306	0.028	-0.0013	12.25	0.66	17.7
	ML156	164	166	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4405	2.58	0.0033	0.004	-0.0013	10.45	0.16	21.3
	ML156	166	168	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4406	42.49	0.0492	0.049	-0.0013	16.55	1.42	16.55
	ML156	168	170	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4407	92.52	0.0637	0.063	-0.0013	15.35	0.6	17.7
	ML156	170	172	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4408	91.93	0.0351	0.035	-0.0013	12.5	1.09	16.9
	ML156	172	174	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4409	14.62	0.116	0.094	-0.0013	17.35	1.94	15.8
	ML156	174	176	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4413	5.35	0.0751	0.061	-0.0013	16	1.35	16.95
	ML156	176	178	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4414	7.45	0.0206	0.019	-0.0013	11.4	0.59	19.7
	ML156	178	180	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4415	99.55	0.0438	0.037	-0.0013	14.65	1.81	17.85
	ML156	180	182	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4416	9.42	0.024	0.019	-0.0013	11.4	1.54	19.1
	ML156	182	184	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4417	3.21	0.0064	0.002	-0.0013	6.25	0.22	28.4
	ML156	184	186	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4418	0.51	0.0034	0.001	-0.0013	1.91	0.09	34.8
	ML156	186	188	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4419	1.63	0.0025	0.001	-0.0013	2.77	0.07	34
	ML156	188	190	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4420	0.57	0.0064	-0.001	-0.0013	2.22	0.1	34.2
	ML156	190	192	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4421	0.8	0.0008	-0.001	-0.0013	1.43	0.33	35
	ML156	192	194	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4422	1.28	0.0025	-0.001	-0.0013	1.44	0.45	35.2
	ML156	194	196	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4423	0.88	0.0025	-0.001	-0.0013	1.605	0.42	35.7
	ML157				STD	GIOP-13	SGSR-XRF75E	BT014394	MLD4297	-999	-0.01	-999	0.01	20.1	0.4	-999
	ML157				STD	GIOP-13	SGSR-XRF75E	BT014394	MLD4320	-999	-0.01	-999	0.02	20.8	0.2	-999
	ML157				STD	MLWL12008	SGSR-XRF75E	BT014394	MLD4296	-999	0.66	-999	0.09	18.8	29.4	-999
	ML157				STD	N2Z2008	SGSR-XRF75E	BT014394	MLD4319	-999	0.18	-999	0.05	50.6	0.2	-999
	ML157				BLK	BLK1	SGSR-XRF75E	BT014394	MLD4295	-999	-0.01	-999	-0.01	-0.1	-0.1	-999
	ML157				BLK	BLK1	SGSR-XRF75E	BT014394	MLD4318	-999	-0.01	-999	-0.01	-0.1	-0.1	-999
	ML157	214	216	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4276	3.21	0.01	-999	-0.01	4.3	0.4	-999
	ML157	216	218	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4277	4.95	-0.01	-999	-0.01	2.4	0.6	-999
	ML157	218	220	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4278	5.19	-0.01	-999	0.01	5	0.9	-999
	ML157	220	222	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4279	4.01	0.01	-999	-0.01	3.6	0.8	-999
	ML157	222	224	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4280	5.29	0.02	-999	0.01	6.4	0.6	-999
	ML157	224	226	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4281	4.71	0.03	-999	0.01	7.6	0.8	-999
	ML157	226	228	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4282	5.48	0.03	-999	0.02	7.9	0.9	-999
	ML157	228	230	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4283	4.27	0.03	-999	0.02	8.6	1.3	-999
	ML157	230	232	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4284	4.2	0.04	-999	0.01	8.1	0.6	-999
	ML157	232	234	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4285	9.84	0.01	-999	-0.01	7.7	1.1	-999
	ML157	234	236	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4286	3.04	0.02	-999	0.01	6.4	0.8	-999
	ML157	236	238	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4287	10.82	0.03	-999	0.02	12	2.9	-999
	ML157	238	240	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4288	1.68	-0.01	-999	0.01	10	0.1	-999
	ML157	240	242	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4289	2.02	-0.01	-999	-0.01	9	0.3	-999
	ML157	242	244	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4290	3.88	0.03	-999	0.02	10.6	0.9	-999
	ML157	244	246	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4291	2.04	0.03	-999	0.01	10.8	0.4	-999
	ML157	246	248	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4292	1.32	-0.01	-999	-0.01	11	-0.1	-999
	ML157	248	250	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4293	1.38	-0.01	-999	-0.01	11.5	-0.1	-999
	ML157	250	252	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4294	1.64	-0.01	-999	-0.01	11.3	0.1	-999
	ML157	284	286	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4298	9.38	-0.01	-999	-0.01	9.9	1.3	-999
	ML157	286	288	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4299	5.34	0.01	-999	-0.01	8.2	1.1	-999
	ML157	288	290	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4300	8.9	-0.01	-999	-0.01	10.4	2	-999
	ML157	290	292	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4301	35.79	0.03	-999	0.04	27.1	1	-999

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
H1001	ML157	292	294	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4302	46.9	0.05	-999	0.06	24	1.2	-999
	ML157	294	296	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4303	422.22	0.0518	0.009	0.0038	30.5	3.97	11.35
	ML157	296	298	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4304	349.66	0.0698	0.007	0.3657	29.2	3.88	11.85
	ML157	298	300	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4305	5.95	0.157	0.009	0.0731	24	3.12	14.9
	ML157	300	302	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4306	4.39	0.0876	0.022	0.0252	25.5	3.23	14.4
	ML157	302	304	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4307	6.53	0.0754	0.022	0.2219	24.9	4.23	13.6
	ML157	304	306	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4308	191.09	0.0553	0.037	1.1513	23.8	1.49	14.6
	ML157	306	308	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4309	8.53	0.12	0.059	0.1387	24.9	3.08	14.25
	ML157	308	310	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4310	8.35	0.0845	0.084	0.1463	22.3	4.93	12.9
	ML157	310	312	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4311	11.43	0.1085	0.106	-0.0013	22.7	4.11	13.25
	ML157	312	314	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4312	9.7	0.118	0.074	0.1021	23.5	4.86	12.6
	ML157	314	316	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4313	6.72	0.1215	0.112	0.0038	24.4	3.82	14.4
	ML157	316	318	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4314	126.25	0.0712	0.063	0.0517	21.3	4.18	14.05
	ML157	318	320	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4315	12.92	0.0257	0.021	0.1387	12.15	2.55	17.4
	ML157	320	322	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4316	11.22	0.06	0.041	-0.0013	22.1	4.28	13.75
	ML157	322	324	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4317	5.63	0.0253	0.021	-0.0013	11.85	1.27	18.1
	ML157	324	326	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4321	17.64	0.0462	0.045	-0.0013	17.8	3.26	14.75
	ML157	326	328	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4322	31.63	0.0701	0.059	-0.0013	25.7	5.56	14.1
	ML157	328	330	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014394,PH10027203	MLD4323	19.95	0.106	0.061	-0.0013	24.4	3.61	14.6
	ML157	330	332	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4324	7.77	0.05	-999	0.05	17.7	1.5	-999
	ML157	332	334	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4325	5.37	0.05	-999	0.02	15.9	1.1	-999
	ML157	334	336	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4326	3.43	-0.01	-999	0.02	13.8	1.6	-999
	ML157	336	338	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4327	5.21	-0.01	-999	0.01	10.3	1.9	-999
	ML157	338	340	2	50NQ	N	SGSR-XRF75E	BT014394	MLD4328	8.1	-0.01	-999	0.01	10.2	1.6	-999
	ML158				STD	MLWL12008	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4388	-999	0.581	0.029	0.0467	20.6	-1111	13.45
	ML158				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4389	-999	-0.0008	-0.001	-0.0013	19.5	0.3	22.6
	ML158				BLK	BLK1	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4387	-999	-0.0008	-0.001	-0.0013	0.331	0.05	46.2
	ML158	32	34	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4329	1.89	-0.0008	-0.001	-0.0013	8.91	0.69	23.7
	ML158	34	36	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4330	9.62	0.0055	0.001	-0.0013	6.77	2.59	18.9
	ML158	36	38	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4331	9.14	0.0024	0.001	-0.0013	6.93	3.16	19.75
	ML158	38	40	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4332	13.67	0.003	-0.001	-0.0013	9.01	5.29	20.2
	ML158	40	42	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4333	16.02	-0.0008	-0.001	-0.0013	10.8	5.75	19.65
	ML158	42	44	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4334	6.01	-0.0008	-0.001	-0.0013	9.2	1.48	23
	ML158	200	202	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4371	2.33	-0.0008	0.001	-0.0013	8.63	0.49	24.7
	ML158	202	204	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4372	1.8	-0.0008	-0.001	-0.0013	6.13	0.05	27.6
	ML158	204	206	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4373	4.77	-0.0008	-0.001	-0.0013	8.17	1.47	24.1
	ML158	206	208	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4374	4.01	0.0025	0.001	-0.0013	3.71	0.99	8.61
	ML158	208	210	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4375	7.61	-0.0008	-0.001	-0.0013	4.18	0.98	10.35
	ML158	210	212	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4376	5.08	0.0008	-0.001	-0.0013	4.16	1.61	9.51
	ML158	212	214	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4377	4.77	0.0032	-0.001	-0.0013	3.86	0.89	9.58
	ML158	214	216	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4378	8.67	0.0024	-0.001	-0.0013	6.78	1.84	12.65
	ML158	216	218	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4379	3.91	0.0016	-0.001	-0.0013	4.05	1.39	9.24
	ML158	218	220	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4380	3.45	0.0024	-0.001	-0.0013	3.5	1.35	8.4
	ML158	220	222	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4381	4.84	0.0039	0.001	-0.0013	3.37	1.54	7.65
	ML158	222	224	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4382	9.56	0.0212	0.018	-0.0013	7.52	2.09	16.85
	ML158	224	226	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4383	12.53	0.015	0.014	-0.0013	8.28	2.32	16.05
	ML158	226	228	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4384	11.73	0.0045	0.005	-0.0013	9.74	2.71	19.05
	ML158	228	230	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4385	15.27	-0.0008	0.001	-0.0013	9.77	3.03	19.9
	ML158	230	232	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4386	10.17	-0.0008	-0.001	-0.0013	9.88	2.26	20.2
	ML158	232	234	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4390	8.13	-0.0008	-0.001	-0.0013	9.79	2.03	20.5
	ML158	234	236	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4391	8.91	-0.0008	0.001	-0.0013	10.05	2.54	20.1
	ML158	236	238	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4392	8.94	-0.0008	-0.001	-0.0013	9.15	2.1	22.5
	ML158	238	240	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4393	14.32	-0.0008	-0.001	-0.0013	9.55	3.19	19.3
	ML158	240	242	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4394	10.3	0.0015	-0.001	-0.0013	7.63	2.76	25.2
	ML158	242	244	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4395	5.68	-0.0008	-0.001	-0.0013	7.81	0.32	27
	ML158	244	246	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10023292	MLD4396	2.16	-0.0008	-0.001	-0.0013	8.26	0.51	26.4
	ML158	326	330	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4570	14.92	-0.0008	0.002	0.0139	8.9	3.14	21
	ML158	330	334	4	25NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	AD10063287	MLD4571	3.05	0.0008	-0.001	0.0315	8.34	1.21	24.7
	ML159				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4522	-999	-0.0008	-0.001	-0.0013	19.35	0.19	22.5
	ML159				BLK	BLK1	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4520	-999	-0.0008	-0.001	0.0063	0.39	-0.01	46.3
	ML159				STD	NZZ-2008	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4521	-999	0.148	0.04	0.0113	52.6	0.08	5.96
	ML159	41	43	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4498	9.12	-0.0008	-0.001	-0.0013	12.6	-0.01	22.9
	ML159	43	45	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4499	1.46	-0.0008	-0.001	-0.0013	8.75	0.02	25.8
	ML159	45	47	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4500	1.15	-0.0008	-0.001	-0.0013	9.43	0.02	25.5

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML159	47	49	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4501	0.75	0.0033	-0.001	-0.0013	1.45	0.01	35.2
D	ML159	49	51	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4502	0.88	0.0008	-0.001	-0.0013	1.915	-0.01	35.9
D	ML159	51	53	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4503	1.01	0.0016	0.001	-0.0013	2.76	0.02	36
D	ML159	53	55	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4504	1.65	0.0032	-0.001	-0.0013	1.22	0.01	35.9
D	ML159	55	57	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4505	0.67	0.0025	0.001	-0.0013	1.86	0.04	36.2
D	ML159	57	59	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4506	0.78	-0.0008	-0.001	-0.0013	1.75	0.08	36.6
D	ML159	59	61	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4507	0.87	0.0039	-0.001	-0.0013	1.6	0.01	36
D	ML159	61	63	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4508	0.54	0.0008	-0.001	-0.0013	1.625	0.01	36
D	ML159	63	65	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4509	0.83	0.0033	-0.001	-0.0013	1.765	0.03	36
D	ML159	65	67	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4510	2.7	0.0008	-0.001	-0.0013	1.385	-0.01	35.8
D	ML159	67	69	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4511	1.47	0.0033	-0.001	-0.0013	1.53	0.01	35.9
D	ML159	75	77	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4512	0.94	0.0033	0.001	-0.0013	2.26	0.02	36
D	ML159	77	79	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4513	1.09	0.0047	0.002	-0.0013	3.27	0.6	35.6
D	ML159	85	87	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4514	1.16	0.0016	-0.001	-0.0013	1.45	0.01	35.9
D	ML159	87	89	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4515	0.68	0.0025	-0.001	-0.0013	1.34	-0.01	35.6
D	ML159	103	105	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4516	1.49	0.0016	-0.001	-0.0013	1.735	0.28	35.9
D	ML159	124	126	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4517	1.47	0.0039	-0.001	-0.0013	1.345	-0.01	36
D	ML159	126	128	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4518	1.54	0.0033	0.001	-0.0013	1.875	0.02	37.5
D	ML159	128	130	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	MLD4519	1.09	0.0054	-0.001	-0.0013	1.33	-0.01	35.7
D	ML160				BLK	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4341	-999	0.0056	0.002	0.0063	0.229	0.03	46.3
D	ML160				STD	GIOP-13	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4343	-999	-0.0008	-0.001	-0.0013	19.6	0.19	22.5
D	ML160				BLK	BLK1	SGSR-XRF75E	BT014538	MLD4364	-999	-0.01	-999	-0.01	0.1	-0.1	-999
D	ML160				STD	N2Z-2008	SGSR-XRF75E	BT014538	MLD4365	-999	0.18	-999	0.05	51.1	0.1	-999
D	ML160				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4342	-999	0.67	0.029	0.0656	21	22.9	13.7
D	ML160				STD	GIOP-13	SGSR-XRF75E	BT014538	MLD4366	-999	-0.01	-999	0.02	21.5	0.1	-999
D	ML160	120	122	2	50NQ	N	SGSR-XRF75E	BT014538	MLD4335	5.78	0.05	-999	-0.01	5.9	0.3	-999
D	ML160	122	124	2	50NQ	N	SGSR-XRF75E	BT014538	MLD4336	4.27	0.03	-999	-0.01	7.4	0.3	-999
D	ML160	124	126	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4337	4.62	0.0787	0.066	-0.0013	8.68	0.38	20.6
D	ML160	126	128	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4338	9.83	0.207	0.185	0.0189	17.7	1.19	14.25
D	ML160	128	130	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4339	5.95	0.1205	0.105	0.1728	13	0.87	15.95
D	ML160	130	132	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4340	4.91	0.0913	0.08	0.0908	10.45	0.57	16.95
D	ML160	132	134	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4344	5.08	0.1005	0.086	0.0555	14.6	0.31	17.3
D	ML160	134	136	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4345	76.29	0.0913	0.084	0.0441	13.05	0.85	16.35
D	ML160	136	138	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4346	6.49	0.048	0.037	-0.0013	8.13	0.89	17.45
D	ML160	138	140	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4347	21.09	0.0975	0.086	0.7755	15	1.17	13.7
D	ML160	140	142	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4348	11.58	0.1985	0.175	0.1223	18.7	0.71	13
D	ML160	142	144	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4349	44.22	0.295	0.264	0.4767	23.2	0.73	11.15
D	ML160	144	146	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4350	18.22	0.24	0.2	0.4376	21.8	0.8	12.05
D	ML160	146	148	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4351	10.92	0.269	0.252	0.9306	23.3	1.1	11.05
D	ML160	148	150	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4352	52.4	0.1715	0.154	0.1349	21.3	1.58	12.05
D	ML160	150	152	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4353	23.19	0.299	0.274	0.1614	25	1.61	11.45
D	ML160	152	154	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4354	31.47	0.185	0.171	0.2837	24	1.82	11.75
D	ML160	154	156	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4355	11.88	0.318	0.271	0.4754	32.3	1	9.71
D	ML160	156	158	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4356	10.06	0.1875	0.172	0.2245	25.7	1.87	11.35
D	ML160	158	160	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4357	257.94	0.1405	0.123	0.1576	26.3	2.01	11.25
D	ML160	160	162	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4358	184.02	0.0696	0.063	0.0517	21.7	2.37	14.5
D	ML160	162	164	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4359	176.99	0.107	0.095	0.0177	25.8	1.87	13.5
D	ML160	164	166	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4360	206.55	0.0433	0.035	0.0315	17.75	1.48	16.6
D	ML160	166	168.2	2.2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4361	48.48	0.058	0.051	0.0214	18.3	1.92	15.1
D	ML160	168.2	170.7	2.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014538,PH10027203	MLD4362	9.11	0.0193	0.016	0.14	11.6	2.27	19.5
D	ML160	170.7	172.6	1.9	50NQ	N	SGSR-XRF75E	BT014538	MLD4363	7.93	-0.01	-999	0.02	11.2	1.8	-999
D	ML160	172.6	173.7	1.1	50NQ	N	SGSR-XRF75E	BT014538	MLD4367	11.61	0.01	-999	0.02	12.2	2.1	-999
D	ML160	173.7	174.2	0.5	50NQ	N	SGSR-XRF75E	BT014538	MLD4368	0.81	-0.01	-999	0.08	10.3	0.5	-999
D	ML160	174.2	176.7	2.5	50NQ	N	SGSR-XRF75E	BT014538	MLD4369	0.64	-0.01	-999	-0.01	1.5	-0.1	-999
D	ML160	176.7	178.65	1.95	50NQ	N	SGSR-XRF75E	BT014538	MLD4370	0.71	-0.01	-999	-0.01	1.6	-0.1	-999
D	ML162				STD	MLWL12008	SGSR-XRF75E	BT014786	MLD4474	-999	0.64	-999	0.1	16.1	29.9	-999
D	ML162				STD	BLK1	SGSR-XRF75E	BT014786	MLD4473	-999	-0.01	-999	-0.01	1.4	-0.1	-999
D	ML162				STD	GIOP-20	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4458	-999	-0.0008	-0.001	0.0429	48.3	0.01	6.97
D	ML162				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4456	-999	0.0008	-0.001	0.0025	0.007	0.01	46.6
D	ML162				STD	N2Z-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4457	-999	0.1535	0.035	0.0189	52.5	0.07	5.82
D	ML162				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4434	-999	0.708	0.027	0.0631	21.5	24.5	14.7
D	ML162				STD	GIOP-13	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4435	-999	-0.0008	-0.001	-0.0013	19.55	0.18	22.3
D	ML162				STD	GIOP-13	SGSR-XRF75E	BT014786	MLD4475	-999	-0.01	-999	0.02	17	0.2	-999
D	ML162				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4433	-999	0.0008	0.001	0.0025	0.156	0.01	46.4

Appendix F: Drill Hole Assays

H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus	Sn XRF	Sn_ICP61	WO3	Fe	S	Si
H1001		metres	metres	metres						1x10-3 Si units	%	%	%	%	%	%
D	ML162	87	89	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4424	1.25	0.03	-999	0.01	9.1	0.1	-999
D	ML162	89	91	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4425	1.58	-0.01	-999	0.01	9.8	1.4	-999
D	ML162	91	93	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4426	1.67	0.01	-999	0.01	8.6	0.6	-999
D	ML162	93	95	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4427	184.54	0.265	0.015	0.0038	27.3	1.28	14.9
D	ML162	95	97	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4428	245.47	0.129	0.011	-0.0013	26.2	0.84	14.1
D	ML162	97	99	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4429	591.06	0.0126	0.007	0.0252	38.8	1.14	10.25
D	ML162	99	101	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4430	302.19	-0.0008	0.006	0.913	35.8	0.2	8.53
D	ML162	101	103	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4431	1.6	0.009	0.01	-0.0013	13.25	3.88	18.2
D	ML162	103	105	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4432	2.51	0.0494	0.005	-0.0013	11	0.94	19.85
D	ML162	105	107	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4436	45.75	0.047	0.02	-0.0013	21.4	1.11	16.25
D	ML162	107	109	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4437	56.17	0.0993	0.02	-0.0013	23.7	2.29	15.3
D	ML162	109	111	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4438	360.47	0.151	0.056	0.0404	28.8	1.39	13.3
D	ML162	111	113	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4439	363.55	0.0609	0.041	0.0126	30	1.62	13.15
D	ML162	113	115	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4440	1000	0.0504	0.009	0.0807	49.8	1.62	6.05
D	ML162	115	117	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4441	1000	0.0345	0.008	0.0189	48.7	1.52	6.52
D	ML162	117	119	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4442	847	0.0498	0.009	0.0391	44.7	1.23	7.88
D	ML162	119	121	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4443	730.55	0.0458	0.008	0.4628	40.3	2.17	8.71
D	ML162	121	123	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4444	235.04	0.131	0.007	0.3052	36.6	4.46	11.15
D	ML162	123	125	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4445	128.65	0.0441	0.006	0.1425	35	4.72	11.1
D	ML162	125	127	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4446	421.4	0.207	0.009	0.1463	37.6	5.78	10.4
D	ML162	127	129	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4447	322.33	0.0796	0.007	0.4275	41.3	5.58	9.91
D	ML162	129	131	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4448	242.84	0.1735	0.008	0.0757	36.6	7.17	10.8
D	ML162	131	133	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4449	240.16	0.1065	0.008	-0.0013	32.3	5.6	11.8
D	ML162	133	135	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4450	209.66	0.188	0.02	0.0807	29.3	4.23	12.1
D	ML162	135	137	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4451	6.7	0.156	0.066	-0.0013	24.7	2.71	15.15
D	ML162	137	139	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4452	8.33	0.237	0.079	0.0025	25.5	4.16	14.15
D	ML162	139	141	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4453	4.87	0.252	0.036	0.0177	30.9	5.33	13.35
D	ML162	141	143	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4454	28.72	0.1825	0.071	-0.0013	25.2	3.06	13.9
D	ML162	143	145	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4455	16.24	0.204	0.072	0.0013	23.7	1.86	15.9
D	ML162	145	147	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4459	22.6	0.0999	0.047	0.0088	21.3	1.83	16.1
D	ML162	147	149	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4460	35.29	0.1475	0.088	0.1362	22.3	2.57	15
D	ML162	149	151	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4461	13.79	0.052	0.042	0.4918	14.05	2.34	17.75
D	ML162	151	153	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4462	12.4	0.0622	0.048	-0.0013	17.25	2.49	16.7
D	ML162	153	155	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014786,PH10027203	MLD4463	19.36	0.0946	0.08	0.7377	19.55	2.58	15.25
D	ML162	155	157	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4464	13.49	-0.01	-999	0.02	9.4	2.9	-999
D	ML162	157	159	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4465	12.72	-0.01	-999	0.02	10.2	2.9	-999
D	ML162	159	161	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4466	10.36	0.02	-999	0.03	7.8	1.4	-999
D	ML162	161	163	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4467	14.74	0.02	-999	0.01	8.9	3.1	-999
D	ML162	163	165	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4468	13.4	0.02	-999	0.02	9.5	1.8	-999
D	ML162	165	167	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4469	13.38	-0.01	-999	0.02	8.8	2.4	-999
D	ML162	167	169	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4470	16.72	-0.01	-999	0.01	9.3	3.9	-999
D	ML162	169	171	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4471	11.08	-0.01	-999	0.02	8.7	2.9	-999
D	ML162	171	173	2	50NQ	N	SGSR-XRF75E	BT014786	MLD4472	2.73	-0.01	-999	0.02	10	1.1	-999
D	ML163				STD	GIOP-13	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4497	-999	-0.0008	-0.001	-0.0013	19.5	0.23	22.4
D	ML163				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4496	-999	0.684	0.03	0.0832	20.8	22.7	14.55
D	ML163				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4495	-999	0.0033	0.002	0.0063	0.1	0.01	46.5
D	ML163	102	104	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4476	2.61	0.0104	0.008	-0.0013	7.57	0.78	23.4
D	ML163	104	106	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4477	2.76	0.0669	0.049	-0.0013	14.2	1.44	19
D	ML163	106	108	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4478	170.42	0.239	0.028	0.0845	36.9	8.97	10.2
D	ML163	108	110	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4479	733.34	0.1415	0.077	0.0252	39.9	3.09	9.13
D	ML163	110	112	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4480	504.85	0.156	0.107	-0.0013	26.3	3.18	13.8
D	ML163	112	114	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4481	21.59	0.174	0.129	-0.0013	23.7	5.16	15.5
D	ML163	114	116	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4482	47.65	0.394	0.063	-0.0013	36.1	16.55	10.4
D	ML163	116	118	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4483	554.82	0.482	0.089	-0.0013	38	6.21	9.75
D	ML163	118	120	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4484	204.57	0.718	0.488	0.0378	33.3	6.96	12.1
D	ML163	120	122	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4485	30.16	1.28	-1111	0.0139	38.6	2.57	8.81
D	ML163	122	124	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4486	54.83	0.896	0.797	0.0416	33.7	2.96	10.35
D	ML163	124	126	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4487	32.13	0.156	0.151	0.3001	39	19.2	8.37
D	ML163	126	128	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4488	48.71	0.0819	0.06	0.2144	28.5	11.7	11.7
D	ML163	128	130	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4489	184.72	0.0733	0.069	-0.0013	22.2	7.81	14.05
D	ML163	130	132	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4490	9.41	0.0673	0.068	-0.0013	14.7	4.3	15.95
D	ML163	132	134	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4491	171.55	0.059	0.066	-0.0013	25.4	3.56	12.65
D	ML163	134	136	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4492	281.69	0.0371	0.04	-0.0013	19.2	3.26	15.2
D	ML163	136	138	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4493	7.79	0.0251	0.025	-0.0013	10.95	4.74	18.75

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML163	138	140	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT014992	MLD4494	11.41	0.0196	0.024	-0.0013	13.25	4.6	18.25
D	ML164				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4512A	-999	-0.0008	-0.001	-0.0013	19.4	0.17	22.5
D	ML164				STD	N22-2008	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4511A	-999	0.147	0.034	0.0416	52.5	0.08	5.85
D	ML164				BLK	BLK1	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4510A	-999	-0.0008	-0.001	0.0063	0.703	0.04	46.2
D	ML164	244	246	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4498A	6.19	0.0154	0.013	-0.0013	6.12	0.91	14.2
D	ML164	246	248	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4499A	6.87	0.0148	0.01	-0.0013	5.13	1.16	11.45
D	ML164	248	250	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4500A	5.96	0.022	0.016	0.0984	5.66	1.07	13.75
D	ML164	250	252	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4501A	4.09	0.0196	0.017	-0.0013	6.03	1.16	12.95
D	ML164	254	256	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4502A	8.22	0.0168	0.012	0.0328	7.16	2.01	12.75
D	ML164	256	258	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4503A	4.67	0.0118	0.009	-0.0013	6.29	1.36	14.4
D	ML164	258	260	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4504A	8.53	0.0175	0.013	-0.0013	7.1	1.76	16.35
D	ML164	260	262	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4505A	6.55	0.0108	0.007	-0.0013	6.68	1.6	13.15
D	ML164	262	264	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4506A	15.1	0.0215	0.017	-0.0013	9.64	4.23	14.35
D	ML164	264	266	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4507A	4.23	0.0094	0.006	-0.0013	6.92	2.68	12.45
D	ML164	266	268	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4508A	6.31	0.0092	0.006	-0.0013	9.22	3.2	18.75
D	ML164	275	277	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10040437	MLD4509A	10	0.0196	0.017	-0.0013	7.24	1.5	13.55
D	ML165				STD	N22-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4638	-999	0.1535	0.047	-0.0013	52.8	0.08	5.67
D	ML165				STD	GIOP-9	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4639	-999	-0.0008	-0.001	-0.0013	34.4	0.05	19.05
D	ML165				STD	GIOP-13	ALSP-ICP61ICP69XRF12	AD10071153	MLD4667	-999	-0.0008	-0.001	0.0492	19.6	0.23	22.6
D	ML165				STD	BLK1	ALSP-ICP61ICP69XRF12	AD10071153	MLD4665	-999	0.0047	-0.001	0.0593	0.836	0.06	45.6
D	ML165				STD	MLWL12008	ALSP-ICP61ICP69XRF12	AD10071153	MLD4666	-999	0.661	0.037	0.0555	21.2	-1111	14.25
D	ML165				STD	GIOP-9	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4616	-999	-0.0008	-0.001	-0.0013	34.9	0.07	19
D	ML165				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4637	-999	0.0202	0.018	-0.0013	0.237	0.01	46.4
D	ML165				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4614	-999	0.0016	0.002	-0.0013	0.3	0.01	46.5
D	ML165				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4615	-999	0.633	0.038	-0.0013	20.6	24.2	14.25
D	ML165	70	73	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4594	1.37	0.0042	0.002	-0.0013	15.1	0.05	18.15
D	ML165	73	76	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4595	1.33	0.0093	0.002	-0.0013	12.7	0.05	20.1
D	ML165	76	79	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4596	1.02	0.0008	0.002	-0.0013	13.8	0.04	20.2
D	ML165	79	82	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4597	1.83	-0.0008	0.001	-0.0013	12.35	0.01	20.4
D	ML165	82	85	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4598	1.21	0.0017	0.001	-0.0013	11.85	0.01	20.2
D	ML165	85	86.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4599	0.73	-0.0008	-0.001	-0.0013	12.55	0.01	19.1
D	ML165	86.5	88	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4600	1.01	-0.0008	-0.001	-0.0013	12.2	-0.01	19.8
D	ML165	88	89.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4601	2	-0.0008	-0.001	-0.0013	13.85	-0.01	19.3
D	ML165	89.5	91	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4602	2.7	-0.0008	-0.001	-0.0013	13.4	-0.01	19.3
D	ML165	91	92.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4603	1.41	-0.0008	-0.001	-0.0013	14.4	0.01	18.8
D	ML165	92.5	94	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4604	1.99	-0.0008	-0.001	-0.0013	14.35	0.01	18.7
D	ML165	94	95.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4605	2.76	-0.0008	-0.001	-0.0013	13.85	0.01	20.8
D	ML165	95.5	97	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4606	0.41	-0.0008	-0.001	-0.0013	13.55	0.01	21
D	ML165	97	98.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4607	1.06	-0.0008	-0.001	-0.0013	13.15	0.01	21.4
D	ML165	98.5	100	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4608	1.15	-0.0008	-0.001	-0.0013	11.8	0.01	22.6
D	ML165	100	101.6	1.6	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4609	0.4	-0.0008	0.001	-0.0013	12.9	0.01	20.9
D	ML165	101.6	103	1.4	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4610	0.38	-0.0008	-0.001	-0.0013	12.5	0.01	21.4
D	ML165	103	104.6	1.6	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4611	0.5	-0.0008	-0.001	-0.0013	13.1	0.01	21.1
D	ML165	104.6	106	1.4	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4612	0.28	-0.0008	0.001	-0.0013	13.1	0.03	21.1
D	ML165	106	107.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4613	0.72	-0.0008	-0.001	-0.0013	13.8	-0.01	20.4
D	ML165	107.5	109	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4617	19.46	-0.0008	-0.001	-0.0013	13.9	0.03	20.1
D	ML165	109	110.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4618	0.47	-0.0008	0.001	-0.0013	14.2	0.03	20.8
D	ML165	110.5	112	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4619	0.63	-0.0008	-0.001	-0.0013	12.6	0.01	21.1
D	ML165	112	115	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4620	0.83	-0.0008	0.001	-0.0013	16.95	0.38	16.95
D	ML165	115	118	3	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4621	0.35	-0.0008	-0.001	-0.0013	16.15	0.03	16.45
D	ML165	118	119.9	1.9	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4622	0.35	-0.0008	-0.001	-0.0013	14.25	0.03	14.75
D	ML165	119.9	122.5	2.6	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4623	0.43	-0.0008	-0.001	-0.0013	14.55	0.02	18.4
D	ML165	122.5	124	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4624	0.4	-0.0008	-0.001	-0.0013	16.95	0.01	15.35
D	ML165	124	125.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4625	0.76	0.0255	0.029	-0.0013	18	0.02	14.5
D	ML165	125.5	127	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4626	0.79	0.0237	0.027	-0.0013	14.85	0.01	16.15
D	ML165	127	128.5	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4627	0.53	0.0181	0.017	-0.0013	11.9	0.01	18.2
D	ML165	128.5	130.4	1.9	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4628	1.1	0.0096	0.005	-0.0013	8.31	0.22	21.2
D	ML165	130.4	131.5	1.1	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4629	1.27	0.0063	0.003	-0.0013	10.25	0.11	21.1
D	ML165	131.5	135	3.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4630	1.03	0.0389	0.021	-0.0013	8.49	0.18	20.5
D	ML165	136	140	4	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4631	0.71	0.0232	0.021	-0.0013	13.2	0.01	17.1
D	ML165	140	144	4	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4632	0.93	0.0263	0.022	-0.0013	9.33	0.17	18.45
D	ML165	144	148	4	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4633	0.48	0.0297	0.022	-0.0013	8.43	0.23	18.3
D	ML165	148	154	6	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4634	0.39	0.008	0.003	-0.0013	10.5	0.08	21
D	ML165	154	158.2	4.2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4635	0.28	0.0033	0.004	-0.0013	9.29	0.03	22.5

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
H1001																
D	ML165	158.2	161.7	3.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4636	0.36	0.0039	0.001	-0.0013	8.54	0.12	22.9
D	ML165	161.7	164.9	3.2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4640	0.09	0.0039	0.001	-0.0013	9.25	0.03	22.7
D	ML165	166.5	169	2.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4641	0.35	0.0016	-0.001	-0.0013	10.25	0.01	21.7
D	ML165	169	173	4	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4642	0.38	0.0024	-0.001	-0.0013	10.95	0.01	21.9
D	ML165	173	177	4	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4643	0.31	-0.0008	-0.001	-0.0013	12.2	0.01	21.4
D	ML165	177	181	4	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016419,PH10067459	MLD4644	0.93	0.0017	0.001	-0.0013	11.05	0.01	21.2
D	ML165	181	184.5	3.5	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4645	0.23	0.0008	-0.001	0.0277	10.95	0.02	20.8
D	ML165	184.5	185.5	1	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4646	0.74	0.0032	-0.001	0.029	10.9	0.08	20.1
D	ML165	188.1	191.1	3	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4647	0.65	0.0016	-0.001	0.0277	10.6	0.01	21.3
D	ML165	191.1	193	1.9	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4648	1.37	0.0032	-0.001	0.0164	9.51	0.22	18.5
D	ML165	193	195	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4649	4.1	0.0053	-0.001	-0.0013	5.61	0.85	11.25
D	ML165	195	197	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4650	4.64	0.0085	-0.001	-0.0013	5.03	1.14	11.15
D	ML165	197	199	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4651	7.6	0.0113	0.003	-0.0013	6.77	1.9	13.55
D	ML165	199	201	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4652	3.73	0.0088	0.003	-0.0013	5.17	1.09	10.9
D	ML165	201	203	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4653	4.74	0.0121	0.002	-0.0013	5.15	1.54	10.45
D	ML165	203	205	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4654	5.48	0.0109	0.003	-0.0013	5.2	1.36	10.15
D	ML165	205	207	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4655	7.32	0.0218	0.012	-0.0013	7.33	1.94	13.4
D	ML165	207	209	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4656	27.43	0.047	0.041	-0.0013	10.85	3.45	14.3
D	ML165	209	211	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4657	5.01	0.0137	0.007	-0.0013	6.24	2.16	11.2
D	ML165	211	213	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4658	4.62	0.0116	0.003	-0.0013	3.56	1	8.38
D	ML165	213	215	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4659	6.43	0.0146	0.006	-0.0013	6.54	1.8	14.25
D	ML165	215	217	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4660	7.2	0.0069	0.002	0.0076	7.67	1.95	18.2
D	ML165	217	219	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4661	8.27	0.0059	-0.001	-0.0013	8.56	2.43	19.75
D	ML165	219	221	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4662	5.99	0.0045	-0.001	0.0189	8.97	1.68	19.85
D	ML165	221	223	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4663	5.72	0.0063	0.002	-0.0013	7.42	2.3	17
D	ML165	223	225	2	50NQ	N	ALSP-ICP61ICP69XRF12	AD10071153	MLD4664	5.37	0.0052	0.001	0.0126	8.5	1.41	20
D	ML166	219	221	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4668	1.42	0.1	-999	-0.01	7.4	2.4	-999
D	ML166	221	223	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4669	2.94	0.04	-999	0.01	5.9	1.8	-999
D	ML166	223	225	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4670	8.79	0.03	-999	0.01	8.4	3	-999
D	ML166	348	350	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4691	9.07	0.02	-999	0.01	7.3	2.4	-999
D	ML166	350	352	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4692	12.2	0.02	-999	0.01	6.8	2.4	-999
D	ML167			STD	N2Z-2008		SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4689	-999	0.1625	0.029	-0.0013	53.4	0.07	5.67
D	ML167			STD	GIOP-20		SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4690	-999	-0.0008	-0.001	-0.0013	48	0.01	7.1
D	ML167			STD	BLK1		SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4688	-999	0.0008	-0.001	-0.0013	0.284	0.02	46.4
D	ML167	164	166	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4671	26.58	0.0977	0.062	0.0177	10.45	1.4	20.4
D	ML167	166	168	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4672	358.44	0.34	0.232	0.0328	25.9	1.53	12.25
D	ML167	168	170	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4673	20.69	0.1915	0.137	1.2497	36	9.54	4.44
D	ML167	170	172	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4674	554.5	0.266	0.146	0.2169	46.3	1.76	4.36
D	ML167	172	174	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4675	288.56	2.2	0.088	2.9886	34.2	5.32	6.11
D	ML167	174	176	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4676	355.18	0.206	0.007	0.024	38.5	7.25	10.25
D	ML167	176	178	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4677	95.22	0.1065	0.059	0.0202	14.45	1.44	15.7
D	ML167	178	180	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4678	7.99	0.1465	0.117	0.0189	19.65	2.64	16.05
D	ML167	180	182	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4679	128.21	0.1975	0.054	0.0618	21.6	3.56	13.7
D	ML167	182	184	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4680	168.97	0.767	0.015	0.0164	33.5	14.25	10.9
D	ML167	184	186	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4681	9.51	3.83	0.038	0.0467	25.4	20.6	8.12
D	ML167	186	188	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4682	9.44	0.1105	0.01	0.0404	6.36	2.13	13.55
D	ML167	188	190	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4683	6.61	0.0158	0.005	0.034	8.72	4.31	13
D	ML167	190	192	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4684	10.07	0.0134	0.009	0.0984	7.81	2.36	15.9
D	ML167	192	194	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4685	12.79	0.0079	0.003	0.0252	6.95	2.08	15.15
D	ML167	194	196	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4686	9.83	0.011	0.004	0.029	6.84	1.96	16.75
D	ML167	196	198	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT017000,PH10090032	MLD4687	21.52	0.026	0.018	0.0151	10.35	3.02	15.7
D	ML168			STD	BLK1		SGSR-XRF75E	BT017160	MLD4709	-999	0.03	-999	-0.01	0.6	-0.1	-999
D	ML168			STD	N2Z-2008		SGSR-XRF75E	BT017160	MLD4710	-999	0.2	-999	0.05	47.6	0.2	-999
D	ML168			STD	GIOP-9		SGSR-XRF75E	BT017160	MLD4711	-999	0.02	-999	0.03	34.1	-0.1	-999
D	ML168	70	72	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4693	2.27	0.02	-999	0.01	12.5	2.8	-999
D	ML168	146	148	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4694	6.36	0.03	-999	0.01	8.5	2.1	-999
D	ML168	148	150	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4695	245.46	0.82	-999	0.02	25.1	0.2	-999
D	ML168	150	152	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4696	229.91	0.28	-999	0.03	24.1	4.7	-999
D	ML168	152	154	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4697	124.28	0.3	-999	0.04	30	4.6	-999
D	ML168	154	156	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4698	55.06	0.24	-999	0.03	23.7	2.3	-999
D	ML168	156	158	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4699	32.14	0.23	-999	0.02	21.5	2.3	-999
D	ML168	158	160	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4700	93.34	0.15	-999	0.02	16	2	-999
D	ML168	160	162	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4701	8.4	0.06	-999	0.01	9.5	2.1	-999
D	ML168	162	164	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4702	13.4	0.05	-999	0.02	11.1	2.6	-999

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn_XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML168	164	166	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4703	25.62	0.08	-999	0.02	17.3	7.9	-999
D	ML168	166	168	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4704	11.75	0.03	-999	0.02	9.2	2.8	-999
D	ML168	168	170	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4705	21.85	0.01	-999	0.02	9.2	4	-999
D	ML168	170	172	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4706	16.7	0.02	-999	-0.01	9.9	4	-999
D	ML168	172	174	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4707	27.35	0.02	-999	0.02	11	5.3	-999
D	ML168	174	176	2	50NQ	N	SGSR-XRF75E	BT017160	MLD4708	21.63	-0.01	-999	0.02	11.4	6.1	-999
D	ML169				STD	N2Z-2008	SGSR-XRF75E	BT017582	MLD4856	-999	0.2	-999	0.05	47.1	0.3	-999
D	ML169				STD	GIOP-13	SGSR-XRF75E	BT017582	MLD4857	-999	-0.01	-999	0.02	21.7	0.2	-999
D	ML169				STD	BLK1	SGSR-XRF75E	BT017582	MLD4855	-999	-0.01	-999	-0.01	0.2	-0.1	-999
D	ML169	283	285	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4835	-999	-0.01	-999	-0.01	9.1	0.4	-999
D	ML169	285	287	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4836	-999	0.19	-999	0.02	16	3.9	-999
D	ML169	287	289	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4837	-999	0.04	-999	0.01	12.8	1.9	-999
D	ML169	289	291	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4838	-999	0.07	-999	0.01	16.6	4.7	-999
D	ML169	291	293	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4839	-999	0.05	-999	0.02	19.3	4.9	-999
D	ML169	293	295	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4840	-999	0.05	-999	0.02	15.5	2	-999
D	ML169	295	297	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4841	-999	0.01	-999	-0.01	12.1	0.3	-999
D	ML169	297	299	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4842	-999	0.03	-999	0.02	12.5	0.3	-999
D	ML169	299	301	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4843	-999	-0.01	-999	0.01	11.3	0.1	-999
D	ML169	301	303	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4844	-999	0.04	-999	0.02	26.4	2.1	-999
D	ML169	303	305	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4845	-999	0.41	-999	0.15	13.5	0.4	-999
D	ML169	305	307	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4846	-999	-0.01	-999	-0.01	10.7	0.1	-999
D	ML169	307	309	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4847	-999	-0.01	-999	-0.01	9.7	-0.1	-999
D	ML169	309	311	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4848	-999	0.02	-999	0.02	16.7	0.2	-999
D	ML169	311	313	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4849	-999	-0.01	-999	-0.01	10.7	-0.1	-999
D	ML169	313	315	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4850	-999	-0.01	-999	0.01	10.4	0.2	-999
D	ML169	315	317	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4851	-999	0.04	-999	0.01	13.4	0.2	-999
D	ML169	317	319	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4852	-999	0.09	-999	0.02	16.5	0.5	-999
D	ML169	319	321	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4853	-999	0.06	-999	-0.01	11.9	0.8	-999
D	ML169	321	323	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4854	-999	0.05	-999	0.01	11.9	0.7	-999
D	ML169	323	325	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4858	-999	0.04	-999	0.03	15.4	0.4	-999
D	ML169	325	327	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4859	-999	0.03	-999	0.03	16.9	0.6	-999
D	ML169	327	329	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4860	-999	0.02	-999	0.02	11.6	0.9	-999
D	ML169	329	331	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4861	-999	0.02	-999	0.02	12.4	0.7	-999
D	ML169	331	333	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4862	-999	0.03	-999	0.02	11.9	0.5	-999
D	ML169	333	335	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4863	-999	0.04	-999	0.02	17	0.2	-999
D	ML169	335	337	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4864	-999	0.04	-999	0.02	14	0.4	-999
D	ML169	337	339	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4865	-999	0.04	-999	0.02	17.4	0.8	-999
D	ML169	339	341	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4866	-999	0.04	-999	0.02	23.2	0.2	-999
D	ML169	341	343	2	50NQ	N	SGSR-XRF75E	BT017582	MLD4867	-999	-0.01	-999	0.01	8.8	-0.1	-999
D	ML170				STD	BLK1	SGSR-XRF75E	BT017379	MLD4755	-999	-0.01	-999	-0.01	0.3	-0.1	-999
D	ML170				STD	BLK1	SGSR-XRF75E	BT017379	MLD4778	-999	-0.01	-999	-0.01	-0.1	-0.1	-999
D	ML170				STD	N2Z-2008	SGSR-XRF75E	BT017379	MLD4756	-999	0.22	-999	0.04	46.5	0.3	-999
D	ML170				STD	MLWL12008	SGSR-XRF75E	BT017379	MLD4779	-999	0.63	-999	0.09	18.5	32.6	-999
D	ML170				STD	GIOP-17	SGSR-XRF75E	BT017379	MLD4780	-999	0.03	-999	0.05	54.7	0.1	-999
D	ML170				STD	GIOP-13	SGSR-XRF75E	BT017379	MLD4757	-999	-0.01	-999	-0.01	19.2	0.1	-999
D	ML170	202	204	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4746	3.76	0.02	-999	-0.01	8.4	0.9	-999
D	ML170	204	206	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4747	2.93	0.03	-999	0.01	7.3	0.4	-999
D	ML170	206	208	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4748	1.73	-0.01	-999	-0.01	6.1	0.1	-999
D	ML170	208	210	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4749	2.61	-0.01	-999	-0.01	6.1	0.1	-999
D	ML170	210	212	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4750	1.86	0.03	-999	-0.01	6.7	0.2	-999
D	ML170	212	214	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4751	9.19	0.02	-999	-0.01	6.9	0.8	-999
D	ML170	214	216	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4752	9.28	-0.01	-999	-0.01	7.5	2.7	-999
D	ML170	216	218	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4753	9.23	-0.01	-999	-0.01	7.1	2.8	-999
D	ML170	218	220	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4754	6.89	0.09	-999	-0.01	8.5	1.4	-999
D	ML170	220	222	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4758	1.66	0.06	-999	0.11	5.8	0.4	-999
D	ML170	222	224	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4759	7.39	0.04	-999	-0.01	6.2	0.9	-999
D	ML170	224	226	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4760	5.32	0.02	-999	-0.01	7.8	1	-999
D	ML170	226	228	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4761	8.78	0.07	-999	-0.01	10.6	0.6	-999
D	ML170	228	230	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4762	11.17	0.04	-999	-0.01	8	1.1	-999
D	ML170	230	232	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4763	5.09	0.03	-999	0.03	3.5	0.9	-999
D	ML170	232	234	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4764	6.83	0.07	-999	0.03	8.2	1.7	-999
D	ML170	234	236	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4765	9.76	0.06	-999	0.01	9.2	1.7	-999
D	ML170	236	238	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4766	54.2	0.07	-999	0.03	9.5	2.4	-999
D	ML170	238	240	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4767	10.26	0.07	-999	0.02	11.8	1.8	-999

Appendix F: Drill Hole Assays

H1000	Hole	From metres	To metres	Interval metres	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus 1x10-3 SI units	Sn XRF %	Sn_ICP61 %	WO3 %	Fe %	S %	Si %
D	ML170	240	242	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4768	5.28	0.02	-999	0.01	6.1	0.9	-999
D	ML170	242	244	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4769	4.7	0.04	-999	0.01	8.7	0.6	-999
D	ML170	244	246	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4770	5.63	0.09	-999	0.02	11.5	1.4	-999
D	ML170	246	248	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4771	10.08	0.07	-999	0.01	10.6	1.1	-999
D	ML170	248	250	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4772	281.69	0.1	-999	0.04	27.8	0.4	-999
D	ML170	250	252	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4773	157.94	0.23	-999	0.03	24.4	0.9	-999
D	ML170	252	254	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4774	204.35	3.26	-999	0.06	25.9	2.3	-999
D	ML170	254	256	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4775	381.3	0.49	-999	0.05	31.2	0.8	-999
D	ML170	256	258	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4776	870.34	0.07	-999	0.06	40.8	0.4	-999
D	ML170	258	260	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4777	450.82	0.13	-999	0.04	27.5	1.9	-999
D	ML170	260	262	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4781	503.5	0.56	-999	0.05	35	2.2	-999
D	ML170	262	264	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4782	207.17	0.63	-999	0.04	29.6	1.5	-999
D	ML170	264	266	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4783	357.57	0.54	-999	0.3	30.6	2.9	-999
D	ML170	266	268	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4784	89.87	0.47	-999	1.03	32.3	3.6	-999
D	ML170	268	270	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4785	88.35	0.14	-999	0.04	18.3	3.3	-999
D	ML170	270	272	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4786	12.34	0.01	-999	-0.01	8.8	1.5	-999
D	ML170	272	274	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4787	12.07	0.04	-999	0.01	11.3	1.9	-999
D	ML170	274	276	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4788	11.81	0.03	-999	0.01	10.3	2.3	-999
D	ML170	276	278	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4789	51.44	0.03	-999	0.01	12.2	4.2	-999
D	ML171				STD	BLK1	SGSR-XRF75E	BT017379	MLD4732	-999	-0.01	-999	-0.01	0.3	-0.1	-999
D	ML171				STD	MLWL12008	SGSR-XRF75E	BT017379	MLD4733	-999	0.67	-999	0.09	18.9	37	-999
D	ML171				STD	GIOP-9	SGSR-XRF75E	BT017379	MLD4734	-999	0.02	-999	0.03	31.7	0.2	-999
D	ML171	42	44	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4712	4.98	-0.01	-999	0.01	7.5	1.7	-999
D	ML171	44	46	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4713	5.67	-0.01	-999	-0.01	5.3	1.9	-999
D	ML171	46	48	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4714	2.18	-0.01	-999	-0.01	6.3	0.9	-999
D	ML171	48	50	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4715	4.54	0.04	-999	-0.01	8.1	0.9	-999
D	ML171	50	52	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4716	47.89	0.11	-999	0.03	25.6	1.4	-999
D	ML171	52	54	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4717	9.53	0.02	-999	0.03	29.7	1.8	-999
D	ML171	54	56	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4718	150.23	0.02	-999	0.04	33.3	5	-999
D	ML171	56	58	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4719	3.15	0.33	-999	0.02	26.7	0.9	-999
D	ML171	58	60	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4720	2.84	0.15	-999	0.02	29.4	2.6	-999
D	ML171	60	62	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4721	181.39	0.09	-999	0.03	28.8	3.3	-999
D	ML171	62	64	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4722	5.99	0.23	-999	0.02	24.4	1	-999
D	ML171	64	66	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4723	2.88	0.01	-999	0.03	26.7	1.2	-999
D	ML171	66	68	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4724	449	0.02	-999	0.03	36.3	0.1	-999
D	ML171	68	70	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4725	496.83	0.05	-999	0.03	29.2	2.3	-999
D	ML171	70	72	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4726	440.23	0.06	-999	0.06	25.7	8.2	-999
D	ML171	72	74	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4727	227.47	0.08	-999	0.04	15.1	3.5	-999
D	ML171	74	76	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4728	504.81	0.09	-999	0.13	25.7	3.3	-999
D	ML171	76	78	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4729	1000	0.09	-999	0.17	39.6	2.4	-999
D	ML171	78	80	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4730	172.9	0.06	-999	0.04	20.9	3.2	-999
D	ML171	80	82	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4731	26.25	0.07	-999	0.02	19.5	1.4	-999
D	ML171	82	84	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4735	999.16	0.11	-999	0.03	24.9	2	-999
D	ML171	84	86	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4736	552.56	0.1	-999	0.02	17.6	2.8	-999
D	ML171	86	88	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4737	416.78	0.08	-999	0.12	21.9	4.5	-999
D	ML171	88	90	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4738	832.66	0.1	-999	0.06	31.8	2.8	-999
D	ML171	90	92	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4739	1000	0.06	-999	0.03	26.5	1.8	-999
D	ML171	92	94	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4740	951.84	0.06	-999	0.03	25.1	0.8	-999
D	ML171	94	96	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4741	778.34	0.08	-999	0.04	34.2	0.3	-999
D	ML171	96	98	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4742	563.51	0.12	-999	0.03	24.4	1.1	-999
D	ML171	98	100	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4743	66.86	0.06	-999	0.04	14.2	1.5	-999
D	ML171	100	102	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4744	366.07	0.09	-999	0.03	17	1.3	-999
D	ML171	102	104	2	50NQ	N	SGSR-XRF75E	BT017379	MLD4745	162.92	0.49	-999	0.28	17.3	1.2	-999
D	RW002				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1119	-999	-0.0008	-0.001	0.0038	19.7	0.22	22.2
D	RW002				STD	BLK1	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1117	-999	-0.0008	-0.001	0.0025	0.748	0.02	45.3
D	RW002				STD	MLWL12008	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1118	-999	0.584	0.023	0.058	20.6	-1111	13.6
D	RW002	21.5	24.1	2.6	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1095	300.36	0.0389	0.028	-0.001	8.99	0.1	8.13
D	RW002	24.1	25.8	1.7	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1096	1.13	0.0016	0.001	-0.001	2.43	0.11	23.9
D	RW002	25.8	27.5	1.7	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1097	2.44	0.0112	0.006	-0.001	3.89	0.05	21.7
D	RW002	27.5	29	1.5	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1098	1.75	-0.0008	-0.001	-0.001	0.414	0.03	1.465
D	RW002	39	41	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1099	8.84	0.0095	0.009	-0.0013	1.22	-0.01	2.22
D	RW002	41	43	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1100	26.51	0.0229	0.023	-0.0013	2.38	-0.01	1.7
D	RW002	43	45	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1101	2.03	-0.0008	-0.001	-0.0013	0.632	-0.01	2.48
D	RW002	45	47	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1102	36.88	0.0292	0.021	-0.0013	6.83	0.02	9.84

Appendix F: Drill Hole Assays

H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus	Sn_XRF	Sn_ICP61	WO3	Fe	S	Si
H1001		metres	metres	metres						1x10-3 SI units	%	%	%	%	%	%
D	RW002	47	49	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1103	17.35	0.0008	0.002	-0.0013	1.345	0.02	3.31
D	RW002	49	51	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1104	180.67	0.0198	0.015	-0.0013	3.2	0.05	8.55
D	RW002	51	53	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1084	187.69	0.0208	0.014	-0.001	7.92	1.02	12
D	RW002	53	55	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1105	0.34	0.0033	0.001	-0.0013	1.51	0.01	34.1
D	RW002	55	57	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1106	1.07	0.0017	0.001	-0.0013	1.19	-0.01	34.4
D	RW002	57	59	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1107	0.8	0.0016	0.001	-0.0013	1.07	-0.01	34.5
D	RW002	59	61	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1108	0.69	-0.0008	0.001	-0.0013	1.17	-0.01	34.7
D	RW002	61	63	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1109	0.98	0.0025	0.001	-0.0013	1.355	-0.01	35.2
D	RW002	63	65	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1110	23.49	0.0056	0.001	-0.0013	1.195	-0.01	35
D	RW002	65	67	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1111	1.09	0.004	0.001	-0.0013	1.295	0.01	34.9
D	RW002	67	69	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1112	1.18	0.0008	-0.001	-0.0013	1.34	-0.01	35.2
D	RW002	69	71	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1113	0.63	0.0033	0.001	-0.0013	1.7	0.02	35.1
D	RW002	139	141	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1114	37.29	0.0008	0.002	-0.0013	2.79	0.08	16.2
D	RW002	141	143	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1115	0.77	-0.0008	-0.001	-0.0013	0.553	0.01	1.555
D	RW002	143	145	2	na	N	ALSAP-ICP61ICP69XRF12	AD10026582	RWD1116	1.67	-0.0008	-0.001	-0.0013	0.712	0.22	0.961
D	RW002	145	147	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1085	10.2	0.0091	0.002	-0.001	5.69	2.42	11.25
D	RW002	147	149	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1086	13.72	0.0077	0.003	-0.001	6.3	2.73	13.65
D	RW002	149	151	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1087	18.97	0.0099	0.004	-0.001	5.79	2.5	18.15
D	RW002	151	153	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1088	83.55	-0.0008	0.001	-0.001	11.45	1.79	24.8
D	RW002	153	155	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1089	20.45	0.0054	0.001	-0.001	5.21	0.78	15.4
D	RW002	169	171	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1090	14.32	0.0046	0.003	-0.001	5.2	1.26	21.2
D	RW002	171	173	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1091	71.28	0.0093	0.005	-0.001	8.88	0.26	11
D	RW002	173	175	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1092	347.08	0.437	0.071	0.014	31.1	0.18	2.58
D	RW002	175	177	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1093	176.27	0.433	0.074	0.021	29.2	0.12	7.01
D	RW002	177	179	2	na	N	ALSAP-ICP61ICP69XRF12	AD10000758	RWD1094	1.12	-0.0008	0.001	-0.001	4.82	0.03	29.1
D	RW003				BLK	BLK1	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1133	-999	-0.0008	-0.001	0.0038	0.436	0.01	46
D	RW003				STD	N2Z-2008	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1134	-999	0.1585	0.031	0.034	52.6	0.08	5.78
D	RW003				STD	GIOP-13	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1135	-999	-0.0008	-0.001	0.0038	19.65	0.18	22.2
D	RW003	67	69	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1136	3.02	0.0058	0.004	-0.0013	7.3	0.01	17.9
D	RW003	69	71	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1137	1.46	0.0039	0.002	-0.0013	3.68	0.01	6.72
D	RW003	71	73	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1138	0.83	-0.0008	0.001	-0.0013	8.01	0.03	2.11
D	RW003	73	74.7	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1139	1.02	0.0008	0.001	-0.0013	2.4	0.01	32.1
D	RW003	74.7	78.6	3.9	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1120	6.72	0.0083	0.013	-0.0013	8.31	0.01	17.15
D	RW003	78.6	80.6	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1121	15.78	0.0017	0.002	-0.0013	10.45	0.01	12.3
D	RW003	80.6	83.1	2.5	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1122	18.65	0.0091	0.017	-0.0013	16.6	0.01	16.2
D	RW003	83.1	85	1.9	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1123	13.62	-0.0008	0.001	-0.0013	15.75	0.01	18.25
D	RW003	85	87	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1124	4.02	0.0008	0.009	0.0202	20.5	0.01	19.6
D	RW003	87	90	3	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1125	0.39	0.0025	0.001	-0.0013	2.34	0.01	33.7
D	RW003	90	92.1	2.1	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1126	0.08	-0.0008	0.001	-0.0013	1.795	0.01	34.3
D	RW003	94.7	98.2	3.5	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1127	0.06	-0.0008	-0.001	-0.0013	1.285	0.01	35.3
D	RW003	101.8	106	4.2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1128	0.53	0.0008	0.001	-0.0013	1.875	0.01	34.4
D	RW003	106	107.4	1.4	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1129	1.34	-0.0008	-0.001	-0.0013	2.57	0.01	34
D	RW003	107.4	108.5	1.1	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1130	7.78	0.0016	-0.001	-0.0013	2.29	0.01	34.1
D	RW003	108.5	109.1	0.6	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1131	11.09	-0.0008	-0.001	0.0013	9.37	0.03	27.6
D	RW003	109.1	110.9	1.8	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10030443	RWD1132	0.95	0.0016	-0.001	-0.0013	7.5	0.01	26.7
D	RW003	110.9	113	2.1	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1140	5.29	-0.0008	-0.001	-0.0013	6.4	0.03	27.8
D	RW003	113	115	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1141	0.62	0.0016	-0.001	-0.0013	6.65	0.04	27.1
D	RW003	115	117	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1142	0.76	-0.0008	-0.001	-0.0013	8.18	0.02	25.6
D	RW003	117	119	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1143	0.67	0.0024	-0.001	-0.0013	7.62	0.02	26.8
D	RW003	119	121	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1144	0.49	0.0016	-0.001	-0.0013	6.78	0.02	25.3
D	RW003	121	123	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10033702	RWD1145	0.45	0.0032	-0.001	-0.0013	1.35	0.01	35.4
D	RW004				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1167	-999	0.583	0.024	0.0517	20.4	24.5	13.3
D	RW004				STD	GIOP-20	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1190	-999	-0.0008	-0.001	0.0164	48	0.01	7.07
D	RW004				STD	N2Z-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1189	-999	0.1535	0.028	0.0277	54.6	0.07	5.8
D	RW004				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1166	-999	0.0041	0.003	0.0076	0.189	0.01	46.6
D	RW004				STD	GIOP-20	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1168	-999	-0.0008	-0.001	0.0265	48.1	0.05	6.98
D	RW004				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1188	-999	0.0032	-0.001	0.0164	0.134	0.01	44.3
D	RW004	73.5	75	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1146	1.33	-0.0008	-0.001	-0.0013	7.49	-0.01	2.14
D	RW004	75	77.5	2.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1147	1.32	-0.0008	-0.001	-0.0013	25.2	0.01	7.14
D	RW004	77.5	79	1.5	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1148	0.63	-0.0008	0.006	-0.0013	22.2	0.01	8
D	RW004	79	81	2	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1149	0.7	0.108	0.106	-0.0013	25.8	-0.01	8.61
D	RW004	81	83	2	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1150	1.98	0.0183	0.022	-0.0013	14.75	-0.01	13.7
D	RW004	83	85	2	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1151	1.85	0.0081	0.003	-0.0013	12.55	0.01	15.8
D	RW004	85	87	2	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1152	0.67	0.0238	0.03	0.0113	24.4	0.02	12.45

Appendix F: Drill Hole Assays

H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus	Sn_XRF	Sn_ICP61	WO3	Fe	S	Si
H1001		metres	metres	metres						1x10-3 SI units	%	%	%	%	%	%
D	RW004	87	88.8	1.8	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1153	2.37	0.0326	0.034	-0.0013	16.35	0.01	16.05
D	RW004	88.8	90	1.2	50HQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1154	13.06	0.0024	0.009	-0.0013	20.4	1.12	13.55
D	RW004	93	96.8	3.8	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1155	0.85	0.0024	0.003	-0.0013	12.05	1.9	21.4
D	RW004	96.8	98.6	1.8	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1156	2.33	-0.0008	-0.001	-0.0013	13.95	0.1	5.32
D	RW004	98.6	100.5	1.9	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1157	10.65	0.0136	0.009	-0.0013	5.29	0.07	22
D	RW004	100.5	103	2.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1158	6.82	-0.0008	0.003	-0.0013	20.9	0.03	10.4
D	RW004	103	104.6	1.6	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1159	5.67	-0.0008	0.004	0.0202	26.3	0.02	12.95
D	RW004	104.6	106	1.4	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1160	1.04	0.0041	0.005	0.005	6.9	0.01	34.8
D	RW004	106	107.7	1.7	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1161	0.71	0.0204	0.026	-0.0013	13.2	0.02	17.6
D	RW004	107.7	109	1.3	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1162	53.51	0.008	0.014	0.0063	20.7	0.06	14.8
D	RW004	109	112	3	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1163	7.11	1.43	0.602	0.1374	52.9	0.03	2.33
D	RW004	112	113.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1164	442.67	1.175	0.79	0.1639	58.9	0.02	1.21
D	RW004	113.5	115	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1165	1.82	0.659	0.448	0.0744	48.3	0.03	3.56
D	RW004	115	116.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1169	9.56	0.854	0.19	0.0605	52.8	0.04	3.18
D	RW004	116.5	118	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1170	3.52	0.088	0.053	0.0315	38.9	0.03	7.69
D	RW004	118	119.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1171	5.12	0.0016	0.01	0.0303	35.3	0.03	8.36
D	RW004	119.5	121	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1172	14.39	-0.0008	0.005	0.0013	32.1	0.04	8.79
D	RW004	121	122.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1173	8.1	0.0048	0.011	0.0189	21.4	0.03	14.6
D	RW004	122.5	124	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1174	63.13	-0.0008	0.004	0.0151	25.7	0.02	11.95
D	RW004	124	125.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1175	2.08	0.0025	0.008	-0.0013	10.8	0.01	25.6
D	RW004	125.5	127	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1176	0.5	0.0009	0.01	-0.0013	13.4	0.01	20.6
D	RW004	127	128.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1177	0.66	0.0017	0.008	-0.0013	11.1	0.01	20
D	RW004	128.5	130	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1178	2.45	0.016	0.022	-0.0013	15.4	0.01	17.9
D	RW004	130	131.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1179	14.05	0.0066	0.014	-0.0013	19.75	0.02	15.05
D	RW004	131.5	133	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1180	7.37	0.0724	0.03	0.0782	35	0.02	8.2
D	RW004	133	134.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1181	11.23	0.0344	0.003	0.0567	30	0.02	10.2
D	RW004	134.5	136	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1182	18.24	0.15	0.007	0.0782	46	0.01	5.22
D	RW004	136	137.5	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1183	7.06	0.0016	0.006	0.0303	30.9	0.02	9.73
D	RW004	137.5	139	1.5	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1184	90.87	0.311	0.054	0.058	57.6	0.01	2.07
D	RW004	139	141	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1185	35.91	1.66	0.816	0.0706	45.8	0.02	4.75
D	RW004	141	143.6	2.6	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1186	295.48	0.0709	0.026	0.0404	34.6	0.69	9.84
D	RW004	143.6	146	2.4	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015594	RWD1187	197.22	0.0315	0.026	0.0252	26.6	4.63	11.55
D	RW005			STD		GIOP-20	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1206	-999	-0.0008	-0.001	0.034	48	0.04	7.15
D	RW005			STD		MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1205	-999	0.655	0.021	0.0656	20.7	21.7	13.7
D	RW005			STD		BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1204	-999	0.0025	0.001	0.0063	0.246	0.01	46.4
D	RW005			STD		GIOP-9	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1231	-999	-0.0008	-0.001	0.0353	34.7	0.22	18.85
D	RW005			BLK		BLK1	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1229	-999	0.603	0.028	0.0681	21.4	-1111	13.3
D	RW005			STD		MLWL12008	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1230	-999	0.0016	-0.001	0.0227	0.759	0.05	46
D	RW005	118	120	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1191	4.7	0.0046	0.001	-0.0013	9.09	4.05	21
D	RW005	120	122	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1192	7.71	0.0033	0.001	-0.0013	3.75	1.37	14.75
D	RW005	122	124	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1193	10.41	0.0086	0.002	-0.0013	5.37	2.29	16.9
D	RW005	124	126	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1194	19.16	0.0047	0.003	-0.0013	11.4	3.71	19.15
D	RW005	126	128	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1195	110.66	0.004	0.001	-0.0013	7.42	0.36	21.2
D	RW005	154	156	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1196	49.12	0.0111	0.007	-0.0013	12.1	0.41	9.61
D	RW005	156	158	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1197	6.35	0.0074	0.003	-0.0013	5.24	0.15	21.6
D	RW005	158	160	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1198	6.68	0.217	0.11	-0.0013	19.5	0.06	14.15
D	RW005	160	162	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1199	90.17	0.638	0.351	0.0454	39.1	0.01	4.29
D	RW005	162	164	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1200	228.19	0.567	0.26	0.1311	33.7	0.07	4.7
D	RW005	164	166	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1201	26.81	0.0067	0.005	-0.0013	13.65	7.03	11.4
D	RW005	166	168	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1202	833.19	0.011	0.013	-0.0013	30.9	1.62	11.15
D	RW005	168	170	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015782	RWD1203	0.57	0.0081	0.001	-0.0013	2.09	0.35	34.5
D	RW005	170	172	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1221	0.35	0.0055	-0.001	0.0038	1.53	0.02	35.9
D	RW005	172	174	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1222	0	0.0032	-0.001	0.0025	1.36	0.05	35.8
D	RW005	174	176	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1223	0	0.0039	-0.001	0.0013	1.52	0.18	35.8
D	RW005	176	178	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1224	0	0.004	-0.001	-0.0013	1.555	0.08	35.6
D	RW005	178	180	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1225	0	0.0033	-0.001	-0.0013	1.425	0.08	35.7
D	RW005	180	182	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1226	0	0.0039	-0.001	-0.0013	1.415	0.03	35.6
D	RW005	182	184	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1227	0	0.0025	-0.001	-0.0013	1.705	0.03	35.1
D	RW005	184	186	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1228	0	0.0055	0.001	0.0038	1.8	0.11	35.2
D	RW006			STD		GIOP-20	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1220	-999	-0.0008	-0.001	0.0202	47.9	0.01	7.07
D	RW006			BLK		BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1218	-999	0.0025	0.001	-0.0013	0.339	0.03	46.4
D	RW006			STD		N2Z-2008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1219	-999	0.1515	0.028	0.0429	53	0.07	5.65
D	RW006	14	16	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1232	0	0.008	0.005	-0.0013	5.03	0.05	17.75
D	RW006	16	18	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1233	0	0.009	0.012	-0.0013	15.85	0.02	13.65

Appendix F: Drill Hole Assays

H1000	Hole	From	To	Interval	Sample_scheme	QC_Scheme	Assay scheme	Batch	Sample	Magsus	Sn_XRF	Sn_ICP61	WO3	Fe	S	Si
H1001		metres	metres	metres						1x10-3 SI units	%	%	%	%	%	%
D	RW006	18	20	2	50HQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1234	0	0.0041	0.003	-0.0013	2.51	0.02	4.53
D	RW006	60	62	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1207	6.16	0.0651	0.003	-0.0013	7.78	3.54	17.05
D	RW006	62	64	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1208	3.89	0.0139	0.004	-0.0013	6.87	2.34	20.7
D	RW006	64	66	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1209	6.81	0.0158	0.007	-0.0013	4.48	1.08	20.3
D	RW006	66	68	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1210	19.56	0.0055	0.004	-0.0013	10.3	4.4	16.1
D	RW006	68	70	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1211	47.92	-0.0008	-0.001	-0.0013	13.75	0.74	27.3
D	RW006	70	72	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1212	8.71	0.0047	0.001	-0.0013	4.69	0.63	13.85
D	RW006	104	106	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1235	0	0.0024	-0.001	-0.0013	1.875	0.06	10.15
D	RW006	106	108	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1236	0	0.0054	0.001	-0.0013	7.07	0.29	23.9
D	RW006	108	110	2	50NQ	N	ALSAP-ICP61ICP69XRF12	AD10059547	RWD1237	0	0.0032	-0.001	-0.0013	4	0.05	16.1
D	RW006	134	136	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1213	324.53	0.156	0.086	-0.0013	18.55	0.1	3.26
D	RW006	136	138	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1214	277.1	0.1605	0.083	0.0025	20.5	0.93	17.25
D	RW006	138	140	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1215	368.91	0.0126	0.007	-0.0013	22.7	2.19	14.5
D	RW006	140	142	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1216	664.29	0.0032	0.004	0.0113	26.3	2.61	10.95
D	RW006	142	144	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT015841	RWD1217	0.44	0.0045	-0.001	-0.0013	5.7	5.22	27.3
D	RW007				STD	BLK1	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1257	-999	0.0075	0.003	0.034	0.095	0.01	46.5
D	RW007				STD	GIOP-9	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1259	-999	-0.0008	-0.001	0.0656	34.1	0.15	19.4
D	RW007				STD	MLWL12008	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1258	-999	0.674	0.027	0.1059	20.9	23.4	14.7
D	RW007	70	72	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1238	3.45	0.0234	0.013	-0.0013	4.18	1.74	20.3
D	RW007	72	74	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1239	33.69	0.0203	0.011	-0.0013	4.01	1.35	4.86
D	RW007	74	76	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1240	5.04	0.0096	0.005	-0.0013	4.63	2.37	14
D	RW007	76	78	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1241	0.97	0.0137	0.005	-0.0013	5.75	3.12	13.4
D	RW007	78	80	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1242	9.34	0.0084	0.001	-0.0013	2.9	1.84	4.47
D	RW007	80	82	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1243	6.07	0.0092	0.004	0.0038	6.9	1.86	22.1
D	RW007	82	84	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1244	7.79	0.0119	0.004	0.0013	4.95	1.75	21.6
D	RW007	84	86	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1245	5.98	0.0229	0.007	-0.0013	2.46	0.57	17.65
D	RW007	86	88	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1246	5.18	0.0107	0.003	-0.0013	4.75	1.7	16.3
D	RW007	88	90	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1247	5.96	0.0166	0.007	-0.0013	3.94	1.79	20.1
D	RW007	90	92	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1248	9.81	0.0144	0.005	-0.0013	4.85	2.02	19
D	RW007	92	94	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1249	42.58	0.0119	0.004	-0.0013	7.64	2.32	19.35
D	RW007	94	96	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1250	91.92	0.015	0.005	0.0227	12.7	1.48	24.2
D	RW007	121	123	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1251	3.87	0.0077	0.003	-0.0013	4.83	0.73	18.7
D	RW007	123	125	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1252	8.04	0.0172	0.008	0.0013	5.42	2.05	19.4
D	RW007	125	127	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1253	10.66	0.0127	0.003	-0.0013	4.39	1.7	17.05
D	RW007	127	129	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1254	41.31	0.0077	0.004	0.0126	13.95	4.15	18.4
D	RW007	129	131	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1255	7.47	0.0085	0.003	-0.0013	2.5	0.11	10.9
D	RW007	131	133	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1256	2.56	0.0072	0.001	-0.0013	1.75	0.21	8.97
D	RW007	154	156	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1260	15.94	0.0042	-0.001	0.0113	6.99	0.25	24.4
D	RW007	156	158	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1261	458.52	0.0827	0.014	0.0038	21.2	1.55	10.9
D	RW007	158	160	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1262	744.67	0.23	0.016	0.0277	31.7	1.91	3.24
D	RW007	160	162	2	50NQ	N	SGSR-XRF75E,ALSP-ICP61ICP69XRF12	BT016072,PH10063393	RWD1263	169.26	0.0253	0.004	0.0088	5.61	0.47	29.3
EOF																

Appendix F: Drill Hole Assays

[illegible]

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LVD1529	5.94	1.73	5.72	0.1135	1.265	0.265	0.664	0.354	8.06	-0.5	62	70	49.2	28	-10	-8	97	65	-10	690
LVD1530	8.61	2.06	3.63	0.0699	2.42	0.609	0.227	0.339	7.33	-0.5	30	50	24.4	5	-10	-7	28	50	-10	300
LVD1531	9.22	0.665	8.15	0.146	3.25	0.635	0.311	0.0592	7.1	-0.5	21	40	21.7	4	-10	-7	35	38	-10	510
LVD1532	6.77	0.914	4.23	0.0964	1.805	0.388	0.629	0.239	7.14	-0.5	133	60	46.7	31	20	-7	120	58	-10	620
LVD1533	5.31	0.948	2.2	0.102	2.02	0.3	0.649	0.267	4.47	-0.5	113	110	37	32	20	-7	133	62	-10	690
LVD1534	2.58	7.86	6.86	0.052	0.388	0.206	2.15	0.459	4.27	-0.5	38	50	40	6	30	-7	40	79	-10	570
LVD1535	1.185	4.02	3.44	-0.0007	0.239	0.089	2.04	0.268	2.82	-0.5	26	50	33.5	5	20	-7	20	34	-10	390
LVD1536	2.35	4.24	4.18	0.0099	0.277	0.198	2.99	0.472	4.68	-0.5	73	50	35.6	50	20	-7	30	35	-10	730
LVD1537	6.69	0.723	2.67	0.0744	2.36	0.395	0.574	0.162	5.91	-0.5	204	90	28	25	20	28	97	43	40	710
LVD1538	8.55	0.631	1.875	0.071	3.7	0.575	1.855	0.15	7.45	-0.5	274	70	34.8	-2	20	-7	54	76	-10	590
LVD1539	5.08	0.814	5.36	0.0563	1.31	0.262	1.08	0.165	8.45	-0.5	483	60	31.7	173	30	-7	634	27	-10	620
LVD1540	4.34	0.519	10.1	0.1695	4.26	0.059	0.462	0.1155	5.2	-0.5	870	70	38.7	781	80	-7	3040	12	-10	340
LVD1544	1.7	0.22	5.25	0.0602	1.67	0.048	0.438	0.0704	5.62	-0.5	867	40	52.7	251	40	-7	1895	13	-10	220
LVD1545	1.695	0.369	3.26	0.1815	1.22	0.043	2.09	0.103	8.39	0.5	1190	50	65.8	152	70	-7	1805	12	-10	420
LVD1518	0.058	0.019	0.088	-0.0007	0.0036	0.012	0.014	0.0162	0.31	-0.5	12	-10	-999	3	-10	-7	20	6	-10	-10
LVD1519	1.705	0.039	0.274	0.069	1.23	0.48	0.0033	0.0157	27.5	1.1	618	10	-999	22	30	-7	1900	28	-10	-10
LVD1520	1.68	0.022	0.202	0.0225	0.005	0.023	0.0664	0.0584	6.37	-0.5	9	-10	-999	4	10	448	160	141	-10	90
LVD1495	0.079	0.019	0.047	-0.0007	0.0092	0.018	0.0085	0.0074	0.2	-0.5	-5	20	-999	2	-10	-7	-10	4	-10	-10
LVD1496	2.74	0.76	0.784	0.0377	0.951	0.545	0.256	0.0571	2.11	-0.5	362	50	-999	34	20	-7	260	8	-10	180
LVD1497	0.964	0.919	0.592	0.0389	0.1675	0.071	0.265	0.0254	5.07	-0.5	14	60	-999	-2	10	-7	100	27	-10	40
LVD1486	2.77	0.663	3.57	0.016	0.418	0.124	0.463	0.155	11.15	-0.5	355	20	-999	47	280	-7	250	871	230	5530
LVD1487	7.13	0.166	3.3	0.0473	0.934	0.413	0.214	0.1715	8.41	-0.5	126	40	-999	39	150	-7	240	507	180	1940
LVD1488	6.59	0.264	2.89	0.0702	0.987	0.411	0.263	0.198	8.39	-0.5	170	40	-999	40	160	7	240	517	320	2790
LVD1489	7.41	0.077	3.09	0.0731	1.29	0.474	0.264	0.34	7.96	-0.5	77	50	-999	26	30	28	230	171	490	1640
LVD1490	4.74	0.054	1.58	0.0323	0.539	0.255	0.617	0.533	8.86	-0.5	168	20	-999	39	20	-7	890	211	290	1880
LVD1491	6.12	0.037	2.81	0.066	0.782	0.325	0.338	0.446	9.27	-0.5	202	40	-999	103	10	-7	450	204	330	1660
LVD1492	5.42	0.028	2.97	0.0519	0.678	0.288	0.365	0.422	9.45	-0.5	221	40	-999	126	10	-7	480	171	250	1440
LVD1493	3.02	0.028	0.998	-0.0007	0.843	0.173	0.144	0.147	5.01	-0.5	145	80	-999	24	-10	-7	210	41	-10	270
LVD1494	6.31	0.018	0.429	0.0405	2.14	0.351	0.0821	0.1105	4.23	-0.5	84	120	-999	25	10	-7	140	28	-10	100
LVD1498	5.91	0.018	0.474	0.0252	2.32	0.321	0.0293	0.0449	2.7	-0.5	36	180	-999	12	-10	-7	40	23	-10	-10
LVD1499	7.68	0.015	0.433	0.0753	3.07	0.402	0.0178	0.054	3.44	-0.5	39	150	-999	6	-10	-7	40	12	-10	-10
LVD1500	7.46	0.022	0.252	0.284	1.46	0.275	0.0288	0.0391	2.97	-0.5	15	2450	-999	5	10	-7	50	11	-10	-10
LVD1501	5.89	0.017	0.411	0.0426	2.35	0.333	0.0351	0.0622	3.41	-0.5	43	150	-999	11	10	-7	80	16	-10	10
LVD1502	4.16	0.014	0.485	-0.0007	1.46	0.254	0.0748	0.1005	3.3	-0.5	124	60	-999	37	10	-7	210	18	-10	70
LVD1503	4.51	0.011	0.415	0.0446	1.61	0.259	0.082	0.1275	4	-0.5	183	220	-999	42	-10	-7	240	21	-10	130
LVD1504	1.535	0.01	0.861	0.0087	0.1395	0.07	0.207	0.283	5.39	-0.5	448	70	-999	137	-10	-7	620	29	100	460
LVD1505	1.365	-0.007	0.51	0.0135	0.1995	0.046	0.246	0.299	6.74	-0.5	398	140	-999	88	10	-7	620	25	110	430
LVD1506	0.838	0.008	0.718	0.008	0.119	0.029	0.1495	0.236	6.36	-0.5	473	160	-999	85	-10	-7	550	28	90	380
LVD1507	1.935	0.012	1.17	0.0457	0.218	0.061	0.1835	0.218	4.36	-0.5	462	140	-999	299	-10	-7	1600	26	-10	630
LVD1508	1.52	0.01	0.863	0.0585	0.1825	0.036	0.202	0.216	7.7	0.7	478	290	-999	117	-10	-7	930	37	30	740
LVD1509	0.963	0.007	1.325	0.0249	0.218	0.024	0.357	0.1715	9.93	0.9	294	390	-999	30	-10	-7	530	20	50	720
LVD1510	1.635	0.009	0.844	0.0171	0.1155	0.012	0.212	0.178	6.88	-0.5	324	270	-999	371	-10	-7	800	19	-10	840
LVD1511	2.05	0.013	1.775	0.0195	0.0911	0.035	0.198	0.1525	5.9	-0.5	188	230	-999	291	10	-7	740	36	20	760
LVD1512	1.16	0.013	0.699	0.0138	0.0739	0.024	0.275	0.196	7.56	-0.5	257	460	-999	24	-10	-7	440	40	30	820
LVD1513	1.14	0.008	0.508	0.0081	0.0039	0.006	0.1465	0.12	7.5	-0.5	198	380	-999	349	-10	-7	760	12	-10	710
LVD1514	3.36	0.007	1.53	0.0266	0.0928	0.035	0.239	0.2	5.82	-0.5	167	240	-999	44	-10	-7	410	49	10	790
LVD1515	0.827	0.009	1.435	0.0264	0.0158	0.023	0.1515	0.335	9.26	-0.5	260	220	-999	44	-10	-7	400	39	90	550
LVD1516	1.185	0.009	1.63	-0.0007	0.0359	0.036	0.133	0.203	5.12	-0.5	409	280	-999	60	-10	-7	530	26	50	530
LVD1517	2.19	-0.007	1.45	0.0182	0.0643	0.059	0.1535	0.239	6.9	0.6	274	10	-999	87	10	-7	550	33	130	730
LVD1521	1.375	0.007	1.61	-0.0007	0.117	0.071	0.184	0.284	6.48	-0.5	224	-10	-999	52	20	-7	340	45	130	690
LVD1522	1.61	0.007	1.985	0.0371	0.289	0.09	0.1015	0.211	6.48	-0.5	462	50	29.3	168	10	-7	556	41	130	620
LVD1523	4.03	0.014	0.921	0.0274	1.095	0.259	0.0684	0.132	4.52	-0.5	338	170	19.4	69	20	-7	311	44	40	290
LVD1524	7.11	0.021	0.387	0.0467	1.855	0.512	0.0521	0.106	4.62	-0.5	89	140	13.3	11	20	-7	133	45	-10	80
LVD1525	6.71	0.014	0.533	0.0554	2.71	0.406	0.0247	0.0495	2.5	-0.5	62	130	6	6	10	-7	66	20	-10	30
LVD1526	2.07	0.037	0.295	-0.0007	0.584	0.152	0.0118	0.0201	0.89	-0.5	103	360	2.2	21	-10	-7	43	11	-10	-10
LVD1527	7.36	0.014	0.344	0.0283	2.35	0.41	0.0194	0.0803	3.98	-0.5	37	80	8.3	3	-10	-7	60	13	-10	-10
LVD1528	7.97	0.007	0.436	0.0575	3.18	0.45	0.0112	0.0543	2.89	-0.5	34	120	6.5	3	-10	-7	28	10	-10	-10
LVD1566	0.065	0.019	0.006	-0.0007	0.0128	0.006	0.0063	0.0009	-0.14	-0.5	-10	40	-0.5	-2	-10	-7	-10	-1	-10	-10
LVD1567	2.72	0.73	0.767	0.0819	0.941	0.54	0.252	0.0558	1.82	-0.5	390	50	5.7	30	-10	-7	250	7	-10	190
LVD1568	1.675	0.024	0.196	0.0776	0.0055	0.017	0.0626	0.0583	6.03	-0.5	70	60	0.9	-2	-10	471	140	167	-10	90
LVD1546	8.37	0.36	0.489	0.122	2.6	0.441	0.104	0.032	5.19	0.6	30	200	7.7	21	-10	-7	50	23	-10	10
LVD1547	8.41	0.108	0.483	0.121	3.04	0.442	0.0555	0.0213	3.66	-0.5	-10	150	4.3	2	-10	-7	10	20	-10	20
LVD1548	4.83	0.06	0.276	0.0275	1.58	0.314	0.0431	0.0224	2.74	-0.5	-10	180	3	-2	-10	-7	10	11	-10	-10
LVD1549	4.64	0.086	0.385	0.0643	1.205	0.307	0.0369	0.0285	2.35	-0.5	20	710	3	11	-10	-7	40	11	-10	-10

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LVD1550	4.99	0.042	0.25	0.055	1.69	0.347	0.0172	0.0341	2.21	-0.5	40	330	2.8	4	-10	-7	60	6	-10	-10
LVD1551	4.11	0.033	0.209	0.0385	1.405	0.496	0.0148	0.032	1.69	-0.5	20	280	2.2	-2	-10	-7	-10	5	-10	-10
LVD1552	6.9	0.035	0.342	0.0795	2.47	0.444	0.0243	0.0483	3.08	0.5	50	200	3.8	2	-10	-7	10	11	-10	-10
LVD1553	6.29	0.037	0.309	0.0724	2.06	0.375	0.0241	0.0479	2.83	-0.5	60	290	3.6	6	-10	-7	20	13	-10	-10
LVD1554	6.64	0.028	0.3	0.0943	2.25	0.394	0.0192	0.0461	2.85	-0.5	60	200	3.7	3	-10	-7	10	11	-10	-10
LVD1555	5.61	0.025	0.232	0.074	1.855	0.345	0.0226	0.0387	2.52	-0.5	40	220	2.9	2	-10	-7	20	8	-10	-10
LVD1556	7.56	0.047	0.318	0.128	2.4	0.36	0.0265	0.0452	3.7	-0.5	50	290	3.7	2	-10	-7	20	21	-10	-10
LVD1557	8.11	0.058	0.478	0.0867	1.885	0.511	0.0582	0.068	4.93	-0.5	130	220	5.1	5	-10	22	40	34	-10	60
LVD1558	6.58	0.04	0.332	0.0815	1.79	0.436	0.0566	0.0516	3.54	-0.5	100	310	4.4	4	-10	-7	-10	27	-10	20
LVD1559	6.93	0.043	0.374	0.0944	1.83	0.468	0.0637	0.0569	3.97	-0.5	130	380	6.3	2	-10	-7	30	29	-10	60
LVD1560	6.82	0.059	0.518	0.106	1.76	0.505	0.254	0.1175	5.53	-0.5	490	290	20.9	31	20	101	170	75	60	480
LVD1561	8.07	0.056	0.583	0.123	2.44	0.522	0.1325	0.0842	4.93	-0.5	230	310	13.8	15	-10	34	120	52	-10	240
LVD1562	7.85	0.061	0.626	0.0822	1.47	0.868	0.1605	0.115	6.33	-0.5	410	110	11.8	19	-10	42	260	65	-10	240
LVD1563	8.33	0.053	0.595	0.1055	1.94	0.713	0.1075	0.0792	5.53	-0.5	200	110	8.1	5	-10	35	80	52	-10	150
LVD1564	8.23	0.045	0.571	0.0983	2.19	0.597	0.0847	0.066	4.75	-0.5	80	90	6.6	9	-10	48	60	38	-10	130
LVD1565	7.84	0.044	0.504	0.072	1.65	0.703	0.1215	0.0754	5.6	-0.5	120	130	7.6	3	-10	41	70	46	-10	130
LVD1569	8.04	0.037	0.429	0.0801	1.715	0.708	0.0957	0.0747	5.41	-0.5	140	160	7.4	6	-10	28	50	49	-10	100
LVD1570	8.22	0.036	0.299	0.0856	1.395	0.934	0.1235	0.0751	5.83	-0.5	180	180	7.8	5	-10	49	70	53	-10	100
LVD1571	8.31	0.048	0.583	0.0683	1.315	1.08	0.1745	0.0803	6.37	-0.5	200	150	8.7	4	-10	68	90	66	-10	210
LVD1572	7.45	0.045	0.507	0.0732	1.575	0.691	0.096	0.0589	4.84	-0.5	120	200	6.7	5	-10	28	20	59	-10	90
LVD1573	7.6	0.049	0.886	0.0712	1.39	0.977	0.182	0.0838	7.2	-0.5	310	270	10.3	-2	-10	70	70	96	-10	380
LVD1574	8.32	0.039	0.529	0.0738	1.545	0.907	0.126	0.0674	6.02	-0.5	290	230	9.3	3	-10	85	60	70	-10	210
LVD1575	8.63	0.046	0.807	0.108	1.4	0.807	0.136	0.0597	6.16	-0.5	220	240	8.1	2	-10	73	110	85	30	280
LVD1576	7.92	0.057	1.01	0.149	1.37	0.882	0.135	0.0571	5.26	-0.5	180	470	8.5	2	-10	84	80	91	-10	320
LVD1577	8.47	0.038	0.669	0.122	1.695	0.86	0.162	0.063	6.11	-0.5	200	170	12.6	14	-10	68	120	71	-10	270
LVD1578	6.41	0.027	0.359	0.0997	1.07	0.621	0.185	0.0861	5.89	-0.5	230	160	16.5	73	10	34	150	63	-10	420
LVD1579	6.85	0.031	0.479	0.0935	1.365	0.665	0.1875	0.0829	6.43	-0.5	260	170	17.5	29	-10	48	220	76	-10	590
LVD1580	6.5	0.035	0.457	0.121	1.325	0.534	0.191	0.091	6.32	-0.5	470	280	26.1	32	-10	21	360	100	-10	1260
LVD1581	8.45	0.082	0.442	0.0892	1.09	0.65	0.111	0.0883	8.03	-0.5	400	110	26.9	16	-10	-7	530	88	-10	860
LVD1582	8.84	0.096	0.654	0.1035	0.408	0.708	0.135	0.142	10.85	-0.5	450	80	47	16	-10	-7	1460	112	-10	890
LVD1583	7.22	0.045	0.393	0.0744	0.778	0.529	0.1185	0.123	8.77	-0.5	380	120	36	8	-10	-7	790	78	-10	520
LVD1584	2.75	0.02	0.218	0.0663	0.357	0.173	0.301	0.163	9.23	-0.5	520	50	35.6	4	-10	-7	560	46	-10	550
LVD1585	1.1	0.007	0.073	0.0582	0.114	0.048	0.172	0.1195	10.4	-0.5	550	230	23.8	-2	-10	-7	530	13	10	380
LVD1586	4.71	0.029	0.623	0.0711	0.551	0.254	0.0962	0.112	8.42	-0.5	590	190	18	57	-10	-7	610	30	-10	420
LVD1587	5.91	0.036	0.496	0.0703	0.447	0.227	0.111	0.141	9.37	-0.5	510	110	22	35	-10	-7	540	32	20	400
LVD1588	2.03	0.012	0.159	0.0593	0.0988	0.036	0.1955	0.1595	10.1	0.5	540	240	23.9	26	-10	-7	370	11	-10	290
LVD1589	1.98	0.012	0.16	0.0603	0.0876	0.029	0.202	0.1585	10.4	-0.5	540	310	26.6	28	-10	-7	420	12	-10	300
LVD1590	2.14	0.019	0.18	0.0667	0.184	0.058	0.2	0.152	10.4	-0.5	530	370	26.6	37	-10	-7	400	15	10	330
LVD1591	1.255	0.011	0.095	0.0691	0.239	0.058	0.168	0.1155	9.28	0.6	440	570	24.6	8	-10	-7	350	6	10	280
LVD1592	0.944	0.007	0.1	0.0573	0.09	0.024	0.208	0.1335	10.9	-0.5	460	570	30.4	-2	-10	-7	370	8	-10	280
LVD1593	0.966	0.007	0.095	0.0643	0.0542	0.012	0.243	0.1575	11.15	0.5	470	430	35.8	-2	-10	-7	300	8	-10	260
LVD1594	1.24	0.01	0.132	0.0743	0.0873	0.018	0.23	0.15	9.88	-0.5	480	380	33.8	77	-10	-7	490	5	-10	290
LVD1595	0.895	0.011	0.211	0.0064	0.1285	0.018	0.0792	0.0813	5.29	-0.5	490	180	20.3	37	-10	-7	310	7	-10	180
LVD1596	1.17	0.012	0.354	0.0216	0.201	0.043	0.0839	0.0823	5.69	0.5	360	220	26.9	20	-10	-7	180	10	-10	180
LVD1597	0.64	0.166	0.419	-0.0007	0.0622	0.024	0.0117	0.0921	3.08	-0.5	220	140	21.1	65	110	-7	-10	258	-10	440
LVD1598	1.18	0.53	0.816	-0.0007	0.0678	0.028	0.012	0.225	5.59	0.5	530	90	68.5	53	280	-7	10	717	-10	6470
LVD1599	1.535	0.838	1.17	0.064	0.1185	0.057	2.65	0.346	18.65	-0.5	350	70	51.9	25	240	-7	90	470	-10	8600
LVD1600	3.35	0.53	1.74	0.0395	0.393	0.16	0.73	0.356	8.8	-0.5	250	30	79.8	29	60	-7	220	240	-10	4570
LVD1601	3.72	0.146	1.58	0.0555	0.798	0.186	0.286	0.253	6.62	-0.5	280	60	41.3	67	-10	-7	330	82	-10	1430
LVD1602	2.79	0.058	1.755	0.004	0.657	0.152	0.1255	0.124	3.68	-0.5	140	50	27.5	23	-10	-7	70	138	-10	1020
LVD1603	3	0.079	2.76	0.0085	0.556	0.183	0.1035	0.0918	4.34	-0.5	150	20	19	39	70	-7	160	220	70	2190
LVD1604	2.11	0.298	1.455	0.0584	0.498	0.113	1.365	0.146	12.75	-0.5	130	40	42.2	27	40	-7	160	115	40	1840
LVD1605	0.952	0.424	1.395	0.0804	0.189	0.037	2.5	0.0953	21.5	-0.5	110	20	38.7	7	50	-7	70	159	-10	1860
LVD1606	0.941	0.764	1.305	0.0935	0.154	0.042	3.28	0.202	24.1	-0.5	110	30	62.3	2	70	-7	80	202	-10	1960
LVD1607	1.325	0.791	1.6	0.0425	0.115	0.059	1.705	0.288	15.6	-0.5	360	20	72	7	120	-7	40	305	-10	3090
LVD1608	0.251	0.229	0.369	-0.0007	0.0523	0.006	0.582	0.0743	6.95	-0.5	340	40	68.1	-2	70	-7	10	175	-10	2330
LVD1609	0.343	0.196	0.355	-0.0007	0.0379	0.012	0.26	0.0583	3.11	1.3	90	10	31.9	5	70	-7	-10	151	10	1340
LVD1610	0.789	0.491	0.698	-0.0007	0.0775	0.037	0.0293	0.0402	1.77	-0.5	30	10	38.9	3	30	-7	10	94	-10	590
LVD1611	0.845	0.104	0.366	-0.0007	0.0724	0.031	0.0601	0.15	5.13	-0.5	110	10	80.2	2	-10	-7	80	73	-10	640
LVD1612	0.975	0.058	0.257	0.0411	0.0324	0.025	0.0624	0.311	10.15	-0.5	300	20	66.6	4	-10	-7	300	118	-10	1180
LVD1613	0.851	0.055	0.201	0.0443	0.0271	0.037	0.0773	0.259	9.95	0.5	310	70	65.1	2	10	-7	350	104	30	1200
LVD1614	0.609	0.027	0.079	0.0537	0.0099	0.013	0.092	0.246	10.35	-0.5	350	120	74	2	-10	-7	300	86	-10	1200
LVD1615	0.347	0.038	0.066	0.0435	0.0032	0.006	0.1435	0.219	10.1	-0.5	350	150	77	-2	40	-7	200	86	-10	1350
LVD1764	1.695	0.043	0.428	0.0416	1.135	0.457	0.0077	0.0114	30.7	1.2	630	100	15.9	20	40	-7	1840	28	130	20

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LVD1765	0.998	0.914	0.56	0.0558	0.165	0.069	0.256	0.0218	4.53	-0.5	30	90	0.8	-2	20	-7	100	32	50	70
LVD1779	1.01	0.912	0.559	0.0579	0.1645	0.067	0.253	0.022	4.47	-0.5	40	90	0.6	-2	-10	-7	70	24	-10	50
LVD1778	2.79	0.734	0.734	0.0452	0.929	0.549	0.251	0.0506	1.19	-0.5	330	60	5.1	25	30	-7	290	6	170	230
LVD1740	0.008	0.065	0.037	-0.0007	-0.0008	0.014	0.0016	-0.0004	0.45	-0.5	-10	60	-0.5	-2	-10	-7	-10	-1	40	-10
LVD1777	0.022	0.014	-0.006	-0.0007	0.0113	0.007	0.0016	-0.0004	-0.28	-0.5	-10	30	-0.5	3	-10	140	-10	3	30	-10
LVD1763	0.007	0.014	0.19	-0.0007	-0.0008	0.011	0.0071	-0.0004	0.49	-0.5	-10	150	-0.5	2	-10	146	-10	2	60	-10
LVD1742	0.908	0.881	0.535	0.0594	0.151	0.064	0.239	0.0187	4.91	-0.5	20	150	0.8	-2	30	-7	460	29	40	40
LVD1741	2.5	0.747	0.757	0.0424	0.852	0.524	0.231	0.0453	1.73	-0.5	320	80	5.6	29	20	-7	350	5	60	170
LVD1616	7.09	0.201	1.445	0.1145	2.73	0.385	0.0175	0.104	3.63	-0.5	-10	350	3.4	-2	-10	-7	-10	20	-10	40
LVD1617	7.59	0.275	1.365	0.1145	2.82	0.397	0.0154	0.1395	4.42	-0.5	-10	230	4.2	-2	-10	-7	10	19	-10	50
LVD1618	10.25	1.135	3.02	0.436	4.87	0.524	0.0176	0.18	5.91	-0.5	20	170	3	10	-10	-7	20	36	-10	190
LVD1619	9.88	2.23	4.88	0.219	3.31	0.5	0.0353	0.1745	6.36	-0.5	10	160	3.8	2	-10	7	40	34	-10	260
LVD1620	5.93	0.513	1.71	0.462	2.55	0.342	0.0196	0.0582	2.22	-0.5	-10	150	2.5	-2	-10	-7	-10	13	-10	20
LVD1621	6.23	0.239	0.994	0.301	2.79	0.336	0.0094	0.0606	2.09	-0.5	-10	130	2.6	-2	-10	-7	-10	13	-10	20
LVD1622	8.41	0.26	1.13	0.353	3.8	0.365	0.0137	0.0656	2.47	-0.5	-10	150	2.7	-2	-10	166	10	15	-10	40
LVD1623	8.65	0.248	1.05	0.335	3.83	0.391	0.0152	0.0783	2.56	-0.5	-10	130	2.7	-2	-10	-7	20	15	20	40
LVD1624	9.12	0.231	1.135	0.35	4.12	0.395	0.0164	0.0633	2.79	-0.5	-10	120	2.9	-2	-10	-7	-10	19	-10	20
LVD1625	8.89	0.268	1.035	0.306	4.02	0.403	0.0151	0.0825	3.02	-0.5	-10	110	2.9	-2	-10	-7	-10	16	-10	20
LVD1626	8.98	0.247	0.956	0.307	3.92	0.412	0.0154	0.0653	2.48	-0.5	-10	30	2.6	-2	-10	7	-10	16	-10	20
LVD1627	9.31	0.293	1.04	0.353	4.03	0.414	0.0241	0.0885	2.4	-0.5	-10	20	2.9	-2	-10	-7	10	17	-10	40
LVD1628	8.93	0.255	0.925	0.288	3.85	0.406	0.016	0.0806	2.48	-0.5	-10	30	2.7	-2	-10	-7	-10	16	-10	30
LVD1629	9.2	0.346	1.105	0.34	3.9	0.399	0.0221	0.0906	2.29	-0.5	-10	20	2.9	-2	-10	-7	30	19	-10	40
LVD1630	9.19	0.294	1.135	0.313	3.9	0.41	0.0308	0.0798	2.1	-0.5	-10	20	2.8	-2	-10	-7	40	15	40	50
LVD1631	9.42	0.235	1.05	0.319	4.04	0.419	0.0204	0.0725	2.15	-0.5	-10	30	2.9	-2	-10	-7	-10	19	-10	30
LVD1632	9.35	0.303	1.085	0.302	3.99	0.415	0.0225	0.0878	2.72	-0.5	-10	30	3	-2	-10	-7	10	20	-10	40
LVD1633	8.86	0.27	0.953	0.28	3.91	0.393	0.019	0.0789	2.71	-0.5	-10	30	2.8	-2	-10	-7	-10	17	-10	20
LVD1634	9.28	0.317	1.085	0.279	4.29	0.4	0.0242	0.0944	2.95	-0.5	-10	50	2.8	-2	20	-7	20	18	20	20
LVD1635	9.06	0.348	1.065	0.252	3.96	0.39	0.0226	0.09	3	-0.5	-10	50	2.8	-2	-10	-7	20	19	-10	-10
LVD1636	9.01	0.236	0.921	0.266	4.01	0.396	0.0196	0.0795	2.48	-0.5	-10	30	2.6	-2	20	-7	20	16	20	-10
LVD1637	9.37	0.276	1.01	0.289	4.19	0.39	0.0176	0.077	2.93	-0.5	-10	30	2.7	-2	-10	-7	-10	18	-10	-10
LVD1638	8.37	0.294	1.04	0.228	3.57	0.388	0.025	0.091	2.8	-0.5	-10	30	2.5	-2	-10	-7	-10	16	-10	-10
LVD1639	8.61	0.395	1.04	0.285	3.94	0.374	0.0194	0.116	2.63	-0.5	-10	30	2.7	-2	20	-7	30	18	20	-10
LVD1640	9.25	0.291	1.16	0.284	4	0.37	0.0145	0.0442	2.89	-0.5	-10	40	2.8	-2	20	-7	20	18	20	-10
LVD1641	9.15	0.503	1.55	0.293	3.85	0.346	0.0169	0.0581	3.12	-0.5	-10	30	2.9	-2	10	-7	20	22	-10	-10
LVD1642	8.58	0.371	1.11	0.292	3.82	0.376	0.0191	0.0615	2.99	-0.5	-10	20	2.7	-2	20	-7	30	22	20	-10
LVD1643	7.62	1.005	1.64	0.271	3.26	0.357	0.0204	0.265	3.91	-0.5	-10	20	2.4	2	10	-7	30	27	-10	10
LVD1644	8.44	0.412	1.235	0.318	3.62	0.352	0.0169	0.0605	2.54	-0.5	-10	20	2.7	-2	-10	-7	-10	16	-10	-10
LVD1645	8.07	0.82	2.47	0.275	3.25	0.338	0.0236	0.0718	3.73	-0.5	-10	30	2.6	-2	20	-7	40	28	30	60
LVD1646	7.42	0.7	1.73	0.301	3.13	0.347	0.0228	0.0736	3.21	-0.5	-10	50	2.4	-2	-10	-7	10	21	-10	-10
LVD1647	7.68	1.075	2.26	0.33	3.09	0.32	0.0268	0.0863	3.86	-0.5	-10	50	2.6	-2	30	-7	60	29	70	70
LVD1720	0.984	13.75	11.45	0.1	0.297	0.039	0.241	0.0455	12.15	0.5	270	200	9.8	17	-10	-7	10	4	10	150
LVD1721	0.403	16.2	9.15	0.068	0.0327	0.033	0.335	0.0218	12.95	-0.5	-10	50	11.4	-2	20	21	50	1	130	130
LVD1722	1.625	7.75	14.85	0.117	0.454	0.038	0.1945	0.0067	6.38	-0.5	-10	140	20.7	3	10	-7	10	3	60	470
LVD1723	2.9	6.13	11.55	0.461	1.25	0.041	0.295	0.0087	7.07	1	-10	130	14.9	-2	20	206	30	-1	110	620
LVD1724	5.4	0.572	1.73	1.48	3.67	0.074	0.0329	0.0108	1.45	-0.5	-10	60	6.3	-2	20	14	70	-1	150	20
LVD1725	6.39	0.24	0.226	1.885	4.13	0.061	0.0192	0.0102	0.69	-0.5	-10	100	4.1	-2	10	47	50	2	140	-10
LVD1726	6.64	0.212	0.377	1.88	4.45	0.09	0.0206	0.0112	0.74	-0.5	-10	40	3.7	3	-10	-7	20	2	60	-10
LVD1727	6.64	0.204	0.485	1.77	4.59	0.079	0.0481	0.0098	0.95	-0.5	-10	40	3.4	5	10	76	-10	1	70	-10
LVD1728	5.32	1.83	7.5	0.705	2.76	0.04	0.195	0.0082	5.12	0.7	-10	60	6	3	-10	-7	-10	-1	20	300
LVD1729	0.917	13.45	10.8	0.0857	0.0523	0.028	0.394	0.0108	9.75	-0.5	-10	80	1.4	4	20	27	40	2	120	340
LVD1730	0.59	7.71	8.44	0.0503	0.0229	0.013	0.273	0.0194	6.94	-0.5	-10	80	3	2	20	27	20	-1	120	210
LVD1731	0.54	6.94	6.11	0.1485	0.319	0.012	0.346	0.017	4.63	-0.5	-10	40	24.3	4	10	-7	-10	1	50	90
LVD1732	0.122	14	10.15	0.0647	0.012	0.011	0.32	0.0281	11.9	-0.5	-10	110	39.1	2	20	-7	10	3	80	150
LVD1733	0.156	6.88	8.22	0.0493	0.0162	0.017	0.35	0.0468	6.34	-0.5	-10	130	35.2	5	20	48	10	5	120	140
LVD1734	0.089	5.55	5.02	0.0234	0.0093	0.012	0.0663	0.0374	4.31	-0.5	-10	60	16.8	2	-10	-7	-10	2	-10	10
LVD1735	0.11	6.37	4.59	0.0252	0.0172	0.015	0.1465	0.0369	1.83	-0.5	-10	40	22.4	4	20	48	20	3	110	40
LVD1736	0.254	20.3	10.3	0.0798	0.0123	0.025	0.349	0.269	23.9	-0.5	-10	150	23.6	4	-10	-7	-10	3	50	50
LVD1737	0.16	21.1	11.6	0.087	0.0079	0.017	0.214	0.165	20.8	-0.5	-10	1280	25.1	4	-10	-7	-10	3	10	40
LVD1738	0.234	11.4	15.95	0.115	0.0901	0.017	0.37	0.0324	15.55	-0.5	-10	280	26.8	2	20	14	20	-1	120	40
LVD1739	0.496	10.35	16.1	0.1275	0.347	0.017	0.573	0.0526	15.35	-0.5	-10	300	34.1	22	20	14	20	1	90	110
LVD1743	0.248	10.65	11.3	0.104	0.1745	0.006	0.465	0.0726	7.73	-0.5	380	470	19.8	190	30	-7	1500	41	-10	230
LVD1744	0.284	5.23	17.25	0.1495	0.251	0.009	0.571	0.0743	6.17	0.5	440	1250	7.6	131	50	-7	1690	35	110	320
LVD1745	0.684	10.25	14.5	0.1265	0.56	0.007	0.565	0.0922	10.2	-0.5	90	1030	20.7	20	-10	-7	660	13	-10	190
LVD1746	0.458	11.8	9.99	0.1165	0.144	0.016	0.512	0.0424	12.15	-0.5	180	1270	3	6	30	-7	670	7	110	250

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LVD1747	0.42	7.06	16.45	0.141	0.216	0.015	0.664	0.085	7.03	-0.5	260	3110	1.4	-2	30	-7	430	4	70	250
LVD1748	0.48	1.6	15.25	0.148	0.119	0.017	0.592	0.0256	4.56	-0.5	760	7350	2.9	111	70	-7	790	7	130	260
LVD1749	0.079	1.32	25.3	0.1665	0.0603	0.015	0.853	0.0363	5.28	-0.5	110	1950	2.7	46	10	-7	190	-1	20	220
LVD1750	0.298	1.365	24	0.1585	0.261	0.013	0.692	0.0452	6.37	-0.5	130	1820	1.1	143	20	-7	150	-1	50	280
LVD1751	0.166	2.68	21.6	0.159	0.1215	0.015	0.751	0.0024	9.52	-0.5	60	1790	0.6	16	10	-7	390	-1	40	50
LVD1752	0.058	2.65	20.2	0.1405	0.0496	0.009	0.512	0.0052	13.15	-0.5	110	2270	0.9	37	10	-7	1120	-1	-10	40
LVD1753	0.059	2.78	21.1	0.1165	0.0486	0.012	0.528	0.0035	8.99	-0.5	90	2040	-0.5	54	10	-7	1010	8	-10	10
LVD1754	-0.005	1.21	26.7	0.1695	0.0016	0.017	0.742	0.0219	7.28	-0.5	-10	1670	-0.5	5	20	-7	30	-1	60	160
LVD1755	-0.005	1.305	26.9	0.159	-0.0008	0.012	0.685	0.0155	6.5	-0.5	60	1450	-0.5	32	-10	-7	10	2	-10	170
LVD1756	0.016	1.26	26.1	0.146	-0.0008	0.023	0.658	0.0129	7.18	-0.5	50	2240	0.5	10	-10	-7	100	-1	-10	130
LVD1757	0.015	0.397	25.9	0.164	0.0014	0.018	0.659	0.0139	8.41	0.5	-10	1400	1.1	6	-10	-7	80	-1	50	190
LVD1758	0.006	0.269	26.2	0.171	-0.0008	0.025	0.637	0.015	7.92	-0.5	-10	1960	0.9	-2	20	-7	40	-1	550	1380
LVD1759	0.049	0.261	26.5	0.168	0.011	0.015	0.625	0.012	6.21	-0.5	-10	2300	0.5	4	10	-7	20	-1	80	190
LVD1760	0.049	0.258	25.9	0.1335	0.0076	0.014	0.599	0.0101	6.28	-0.5	-10	1910	0.5	2	-10	-7	110	-1	-10	150
LVD1761	0.05	0.063	26.3	0.175	0.0094	0.022	0.721	0.0043	6.79	-0.5	-10	2390	0.5	3	10	-7	20	-1	50	130
LVD1762	0.059	0.062	25.6	0.1385	0.0092	0.015	0.691	0.0017	7.38	-0.5	-10	2400	0.5	2	-10	-7	100	-1	-10	90
LVD1766	0.331	0.102	26	0.1475	0.1735	0.02	1.415	0.0045	10.4	-0.5	-10	3030	0.6	5	10	-7	40	-1	90	130
LVD1767	1.77	0.045	25.1	0.1485	1.575	0.013	0.696	0.001	8.06	-0.5	-10	2930	1.2	4	-10	-7	-10	-1	-10	50
LVD1768	0.164	0.142	26.5	0.1395	0.0669	0.011	1.245	-0.0004	9.61	-0.5	-10	6040	0.7	-2	10	-7	10	-1	50	50
LVD1769	0.098	0.1	27.1	0.1355	0.0204	0.012	1.24	-0.0004	10.05	-0.5	-10	5530	0.6	-2	-10	-7	-10	1	-10	30
LVD1770	-0.005	0.145	27.2	0.132	-0.0008	0.011	0.661	-0.0004	7.59	-0.5	10	3110	0.7	4	-10	-7	40	-1	-10	-10
LVD1771	0.067	0.058	27.3	0.1435	0.0246	0.016	0.653	-0.0004	6.93	-0.5	-10	1640	0.6	3	10	-7	10	-1	30	60
LVD1772	0.085	0.102	27.3	0.1415	0.024	0.02	0.676	-0.0004	7.27	-0.5	-10	2670	0.8	2	20	-7	20	-1	90	170
LVD1773	0.09	0.138	27.5	0.1505	0.0208	0.022	0.694	0.0009	6.39	-0.5	-10	1230	1	2	10	-7	10	-1	70	60
LVD1774	0.69	0.58	24	0.13	0.516	0.014	1.24	0.0174	8.31	-0.5	-10	1470	5.6	-2	10	-7	10	-1	40	130
LVD1775	6.16	0.665	4.67	1.545	3.29	0.078	0.223	0.022	2.69	-0.5	410	130	38.3	6	10	56	30	-1	80	-10
LVD1776	6.81	0.296	0.642	1.95	3.89	0.075	0.0216	0.0122	0.67	-0.5	-10	90	15.7	-2	-10	-7	-10	-1	10	-10
LVD1658	1.645	0.021	0.194	0.0327	0.0057	0.021	0.061	0.0567	6.69	-0.5	-10	60	0.8	-2	-10	465	140	154	-10	70
LVD1657	1.665	0.036	0.264	0.0363	1.145	0.458	0.0062	0.0157	29.2	1.1	560	150	14.9	15	30	-7	1840	20	-10	-10
LVD1656	0.037	0.021	0.006	-0.0007	0.0058	0.009	0.0077	0.0022	0.11	-0.5	-10	370	-0.5	7	10	-7	10	-1	-10	-10
LVD1670	10.25	0.036	0.217	0.0427	0.847	1	0.0548	0.248	10.45	-0.5	50	50	18.2	143	10	-7	230	70	-10	160
LVD1671	8.05	0.021	0.368	0.0374	0.962	0.969	0.0546	0.286	9.78	-0.5	50	50	25	14	10	-7	240	73	-10	140
LVD1672	8.26	0.05	0.198	0.0494	0.599	0.623	0.0631	0.381	11.1	-0.5	60	50	36.8	82	10	-7	320	77	10	220
LVD1673	8.72	0.03	0.271	0.0306	1.105	0.818	0.0604	0.313	10.15	-0.5	60	100	27	22	-10	-7	230	76	-10	120
LVD1674	9.27	0.029	0.202	0.0329	0.339	0.747	0.0779	0.369	11.6	-0.5	70	50	38.3	113	10	-7	280	93	20	250
LVD1675	8.07	0.03	0.146	0.0184	0.648	0.657	0.0431	0.276	9.78	-0.5	30	90	49.3	9	-10	-7	190	118	-10	140
LVD1676	8.53	0.03	0.164	0.0224	0.526	0.641	0.0493	0.287	9.74	-0.5	50	100	51.1	7	-10	-7	220	135	-10	180
LVD1677	7.95	0.021	0.08	0.115	2.56	0.125	0.015	0.0462	4.69	-0.5	-10	220	6	7	-10	-7	30	11	-10	-10
LVD1648	7.55	0.198	0.144	0.1045	2.36	0.077	0.0182	0.0455	5.27	-0.5	-10	40	5.5	-2	-10	-7	40	3	-10	-10
LVD1649	8.92	0.217	0.781	0.0433	1.275	0.106	0.0266	0.107	9.08	-0.5	150	260	12.8	-2	-10	-7	90	-1	-10	50
LVD1650	7.38	0.15	0.717	0.0847	0.86	0.104	0.0186	0.161	6.65	-0.5	20	1230	19.6	-2	-10	-7	30	11	-10	-10
LVD1651	6.02	0.126	0.463	0.195	2.41	0.08	0.0176	0.0388	3.02	-0.5	-10	1650	9.6	12	-10	-7	60	3	-10	-10
LVD1652	7.57	0.058	0.154	0.142	3.39	0.093	0.0142	0.0138	3.91	-0.5	-10	100	7.7	39	-10	-7	60	5	-10	-10
LVD1653	8.01	0.058	0.26	0.146	2.35	0.082	0.0188	0.0574	5.05	-0.5	-10	610	9.7	8	10	-7	60	3	-10	-10
LVD1654	2.71	0.021	0.312	0.0593	0.131	0.053	0.1615	0.188	7.9	-0.5	130	540	33.3	550	10	-7	380	15	30	330
LVD1655	1.035	0.021	0.058	0.021	0.0245	-0.006	0.128	0.1895	9.75	-0.5	250	160	34.4	228	-10	-7	870	-1	-10	240
LVD1659	1.03	-0.007	0.18	0.0146	0.0017	-0.006	0.185	0.1285	9.06	-0.5	340	140	30.3	155	-10	-7	550	-1	-10	300
LVD1660	0.958	0.088	0.306	0.0228	0.0016	-0.006	0.1785	0.041	6.24	-0.5	280	290	18.6	190	10	-7	230	-1	10	290
LVD1661	0.766	0.437	0.337	0.0242	0.0031	-0.006	0.27	0.0234	4.66	-0.5	170	330	16.9	87	10	-7	340	-1	20	260
LVD1662	4.02	0.144	2.09	0.0391	1.045	0.017	0.0797	0.0722	8.63	-0.5	150	340	37	296	10	-7	1110	-1	10	460
LVD1663	3.98	0.166	0.588	0.0524	0.785	0.025	0.1445	0.1035	7.99	-0.5	160	80	43.2	571	10	-7	1520	4	-10	360
LVD1664	6.58	0.08	0.17	0.256	4.11	0.046	0.0327	0.01	2.8	-0.5	-10	100	4.5	24	10	-7	160	2	-10	-10
LVD1665	5.8	0.196	0.225	0.208	3.24	0.075	0.0636	0.0142	3.29	-0.5	-10	60	5.7	26	-10	-7	110	-1	-10	-10
LVD1666	6.82	0.114	0.339	0.262	3.91	0.085	0.027	0.0144	3.47	-0.5	-10	30	4	17	10	-7	80	2	-10	-10
LVD1667	7.12	0.101	0.206	0.233	3.98	0.082	0.0259	0.0116	2.97	-0.5	-10	20	2	-2	10	-7	20	1	-10	-10
LVD1668	7.05	0.108	0.198	0.254	4.3	0.079	0.0235	0.011	2.94	-0.5	-10	20	2.1	3	-10	-7	10	-1	-10	-10
LVD1669	7.27	0.088	0.184	0.276	4.48	0.072	0.0231	0.0103	2.95	-0.5	-10	20	2	-2	-10	-7	20	1	-10	-10
LVD1881	7.19	0.025	0.352	0.118	2.07	0.438	0.051	0.0706	3.98	-0.5	70	100	10.3	6	20	56	380	36	20	80
LVD1882	6.88	0.034	0.387	0.1135	1.595	0.457	0.105	0.0962	6.61	-0.5	140	100	26.6	20	30	40	460	81	40	190
LVD1883	5.65	0.07	1.07	0.0968	1.275	0.346	0.11	0.1325	5.09	-0.5	100	70	57.9	39	30	28	250	79	-10	350
LVD1884	4.82	0.404	2.4	0.088	0.826	0.282	0.0812	0.0921	5.29	0.8	70	60	64.5	23	30	36	210	98	30	600
LVD1885	3.8	0.331	1.115	0.103	1.15	0.216	1.495	0.125	9.91	0.6	30	70	40.6	8	40	21	340	62	-10	520
LVD1886	4.38	0.261	1.135	0.0989	1.205	0.257	0.989	0.0785	8.22	-0.5	40	90	41.4	19	40	49	290	56	10	440
LVD1887	2.21	0.355	0.984	0.085	0.491	0.12	2.75	0.0737	19.25	-0.5	60	60	51.5	19	30	-7	80	47	-10	1010

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LVD1888	1.14	0.328	1.065	0.0774	0.172	0.046	2.46	0.0536	21.6	-0.5	70	80	46.5	18	20	-7	150	54	-10	660
LVD1820	4.79	0.379	3.03	0.0516	0.737	0.26	0.0889	0.0923	6.42	0.7	240	40	51.3	90	10	21	580	78	50	700
LVD1821	2.5	0.291	2.65	0.02	0.409	0.133	0.048	0.041	3.08	0.6	170	40	24.2	33	2710	-7	5270	218	-10	4120
LVD1822	2.92	0.298	2.48	0.0213	0.383	0.142	0.0396	0.0595	5.45	-0.5	270	70	42.6	69	200	-7	470	572	160	6250
LVD1823	2.61	0.334	1.49	0.0295	0.345	0.094	1.165	0.0819	13.2	-0.5	160	70	54.5	69	150	-7	620	184	-10	1460
LVD1824	0.315	0.201	0.253	-0.0007	0.1165	0.016	0.465	0.0213	4.75	-0.5	-10	40	11.9	8	30	-7	50	16	50	190
LVD1825	2.32	0.356	2.1	0.0154	0.301	0.09	0.0823	0.1475	5.1	0.8	250	40	77.9	59	-10	-7	460	72	-10	530
LVD1703	0.016	0.014	-0.006	-0.0007	0.0116	0.027	0.0028	0.0044	-0.04	-0.5	-10	70	-0.5	-2	-10	-7	-10	1	-10	-10
LVD1704	2.66	0.746	0.74	0.0963	0.932	0.555	0.25	0.0571	1.55	-0.5	330	130	5.6	37	10	-7	250	3	-10	150
LVD1705	2.51	0.483	0.471	0.0732	0.0198	0.249	0.0486	0.0328	8.85	0.5	50	10	2.7	-2	-10	-7	90	15	-10	80
LVD1689	7.8	0.287	2.62	0.0792	2.16	0.618	0.0709	0.0679	7.88	0.5	60	30	11.5	5	-10	-7	140	55	-10	190
LVD1690	7.13	0.246	2.04	0.0559	1.655	0.588	0.065	0.0799	7.54	-0.5	50	10	9.4	-2	20	-7	230	75	20	540
LVD1691	4.02	0.216	1.145	0.0568	0.31	0.361	0.0611	0.327	9.87	-0.5	80	20	31.8	-2	-10	-7	450	99	-10	170
LVD1692	4.28	0.166	0.64	0.0575	0.584	0.315	0.222	0.445	9.7	0.8	180	20	42.6	-2	10	-7	500	109	-10	520
LVD1693	7.43	0.214	1.015	0.0666	1.085	0.893	0.0565	0.268	9.61	-0.5	130	60	29.1	-2	-10	-7	260	84	-10	390
LVD1694	2.61	0.198	0.874	0.007	0.0942	0.353	0.0757	0.1435	5.02	-0.5	50	70	25	-2	-10	-7	50	72	-10	320
LVD1695	0.246	0.131	0.087	-0.0007	0.0539	0.019	0.072	0.0681	0.39	-0.5	-10	50	5.7	3	20	-7	-10	12	30	-10
LVD1696	5	0.85	0.888	0.0258	0.1085	0.35	0.249	0.714	6.93	-0.5	50	30	51	5	-10	-7	40	85	-10	320
LVD1697	8.13	0.068	0.986	0.0703	1.545	1.81	0.441	0.226	7.22	-0.5	50	60	22.3	-2	40	504	150	184	10	270
LVD1698	3.07	0.018	0.272	0.0699	0.279	0.319	0.265	0.276	6.12	-0.5	230	100	26.4	11	-10	-7	200	42	10	240
LVD1699	1.13	-0.007	0.234	0.0647	0.004	0.06	0.204	0.125	2.2	0.7	170	120	11.8	44	-10	-7	190	3	120	180
LVD1700	2.88	0.007	0.193	0.0689	0.0116	0.127	0.1775	0.382	7.04	-0.5	420	140	32.4	35	20	-7	310	41	90	350
LVD1701	6.06	0.023	1.08	0.0709	1.22	0.298	0.226	0.295	7.53	-0.5	460	100	27.1	89	20	-7	470	28	80	260
LVD1702	8	0.038	1.545	0.047	2.03	0.638	0.0488	0.0375	5.94	-0.5	130	130	8.4	-2	10	42	50	49	-10	40
LVD1717	0.085	0.04	0.018	-0.0007	0.0116	0.021	0.01	-0.0004	-0.06	-0.5	-10	50	-0.5	-2	-10	-7	-10	2	-10	-10
LVD1718	1.59	0.069	0.277	0.0638	1.08	0.438	0.0008	0.0079	29.4	1.4	570	60	13.9	22	20	-7	1700	26	-10	-10
LVD1719	3.66	3.2	1.505	0.305	1.2	0.216	0.1755	0.0271	6.14	-0.5	20	60	0.8	2	10	-7	30	31	-10	-10
LVD1706	5.36	3.17	1.08	0.1225	0.269	0.54	0.182	0.419	10.05	-0.5	80	60	42.4	4	10	-7	350	82	10	580
LVD1707	3.6	5.75	0.96	0.1615	0.538	0.36	0.052	0.132	9.38	-0.5	20	50	16.5	6	-10	-7	340	81	-10	240
LVD1708	7.93	2.2	1.14	0.117	1.28	0.554	0.139	0.1655	8.3	-0.5	-10	70	19.3	-2	-10	50	360	80	-10	580
LVD1709	7.11	0.661	1.605	0.0748	0.662	0.497	0.036	0.224	9.27	-0.5	20	40	29.2	6	-10	31	590	107	-10	950
LVD1710	6.27	0.394	0.905	0.0894	1.2	0.824	1.79	0.334	7.89	-0.5	40	40	37.5	7	100	-7	200	108	-10	360
LVD1711	2.71	0.349	0.683	0.009	0.886	0.446	0.0392	0.083	2.98	-0.5	20	60	13.6	3	-10	-7	50	28	10	110
LVD1712	2.88	0.801	3.17	0.0509	0.112	0.367	1.32	0.275	6.19	-0.5	10	30	30.9	576	30	-7	60	80	-10	610
LVD1713	6.15	0.903	2.23	0.0674	0.395	0.724	1.085	0.358	8.35	-0.5	-10	40	31.1	5	60	-7	80	241	-10	1150
LVD1714	4.75	0.449	1.26	0.0503	0.469	0.277	0.1995	0.205	4.98	-0.5	-10	30	19.5	2	20	22	40	99	-10	740
LVD1715	7.47	0.511	1.905	0.0743	0.0602	0.529	0.464	0.339	9.66	-0.5	50	20	39.6	4	30	7	110	95	20	790
LVD1716	11.15	0.096	1.09	0.0915	1.235	0.892	0.435	0.231	9.39	-0.5	110	80	22.1	10	10	92	120	57	-10	180
LVD1802	3.71	3.21	1.5	0.3	1.22	0.216	0.1755	0.0375	6.44	-0.5	20	50	0.9	-2	10	-7	60	33	-10	-10
LVD1818	2.73	0.733	0.735	0.0474	0.925	0.544	0.245	0.0578	1.2	-0.5	340	50	5.7	34	20	-7	280	9	30	180
LVD1819	0.959	0.902	0.564	0.0577	0.1615	0.066	0.252	0.0288	4.34	-0.5	30	90	0.7	-2	20	-7	100	30	-10	50
LVD1817	0.085	0.017	-0.006	-0.0007	0.0114	0.026	0.0116	0.0065	-0.87	-0.5	-10	10	-0.5	3	-10	-7	-10	1	-10	-10
LVD1800	0.087	0.033	-0.006	-0.0007	0.0066	0.016	0.0079	0.0067	0.02	-0.5	-10	20	-0.5	2	-10	-7	-10	2	-10	-10
LVD1801	1.8	0.04	0.271	0.0415	1.23	0.491	0.0062	0.0209	29.3	0.9	640	20	16.3	24	60	14	2000	31	120	10
LVD1780	6.94	0.557	1.97	0.0913	1.45	0.511	0.1115	0.132	6.53	-0.5	-10	140	31.6	15	30	49	170	73	70	520
LVD1781	6.71	0.462	2.47	0.0635	1.38	0.512	0.1225	0.121	6.07	-0.5	-10	100	51.1	14	20	22	110	122	-10	620
LVD1782	4.93	0.608	2.24	0.0529	1.035	0.326	1.24	0.1175	12.95	-0.5	10	70	93	7	-10	-7	120	73	-10	870
LVD1783	5.91	0.671	2.51	0.0604	1.19	0.394	0.62	0.1755	9.37	-0.5	-10	80	79.4	14	20	-7	160	84	-10	1190
LVD1784	4.11	1.155	3.84	0.0621	0.591	0.287	1.57	0.27	15.7	-0.5	20	50	102.5	25	20	-7	260	100	40	850
LVD1785	2.33	1.055	2.49	0.0528	0.341	0.159	2.63	0.272	22.4	-0.5	60	50	92.4	22	30	-7	200	98	40	640
LVD1786	4.76	0.713	4.23	0.0556	0.802	0.34	0.902	0.1365	11.2	-0.5	50	120	103	14	40	-7	180	199	30	720
LVD1787	5.41	0.446	2.1	0.046	1.135	0.389	1.105	0.0881	9.93	-0.5	-10	110	85.3	12	20	-7	140	142	-10	390
LVD1788	5.51	0.566	2.37	0.0666	1.19	0.381	1.355	0.1385	12.1	-0.5	30	100	86.3	17	30	-7	180	123	-10	690
LVD1789	2.19	8.76	6.39	0.0583	0.402	0.134	1.35	0.119	28.5	-0.5	30	70	65.3	14	-10	-7	100	86	-10	420
LVD1790	0.106	19.2	11.05	0.0715	0.0043	-0.006	0.489	0.0254	45.2	-0.5	-10	50	15	3	-10	-7	170	12	-10	-10
LVD1791	3.47	1.8	2.64	0.0491	0.57	0.238	1.35	0.248	16.25	-0.5	110	80	73.1	21	30	14	200	139	70	710
LVD1792	13.1	0.249	1.845	0.0398	0.809	0.959	0.0704	0.0991	10.5	0.8	40	100	57.7	51	-10	85	550	113	-10	230
LVD1793	1.19	0.675	0.443	-0.0007	0.0759	0.084	0.0265	0.0122	4.36	-0.5	10	230	3.8	5	-10	-7	30	32	-10	40
LVD1794	4.5	0.075	0.246	0.1975	0.1215	0.468	0.0349	0.012	1.22	-0.5	-10	3080	2.9	3	-10	-7	-10	5	-10	-10
LVD1795	7.37	0.066	0.288	0.0309	0.68	0.632	0.0323	0.0479	5.39	-0.5	100	490	4.3	-2	-10	7	100	16	-10	-10
LVD1796	7.81	0.055	0.38	0.0384	1.035	0.886	0.0378	0.047	4.9	-0.5	50	190	5.2	-2	10	27	100	15	10	-10
LVD1797	7.25	0.038	0.315	0.0209	0.951	0.875	0.0272	0.0665	5.27	-0.5	30	60	6.1	3	20	41	70	23	30	-10
LVD1798	10.8	0.073	0.761	0.0221	0.929	1.5	0.0588	0.291	9.53	-0.5	100	40	22.9	-2	-10	154	160	121	-10	150
LVD1799	8.61	0.091	0.753	0.0217	0.764	1.82	0.0631	0.31	7.63	-0.5	90	110	20.6	5	30	420	210	115	20	150

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LVD1803	10.8	0.085	0.717	0.0237	0.574	2.47	0.218	0.473	10.85	-0.5	180	30	38.2	3	-10	629	350	145	-10	230
LVD1804	9.47	0.074	1.26	0.0352	1.68	1.91	0.128	0.298	8.34	-0.5	110	70	25.4	5	10	338	250	147	-10	200
LVD1805	8.46	0.047	1.045	0.11	2.1	0.756	0.0526	0.0662	5.56	-0.5	20	70	7.1	-2	30	116	60	79	10	80
LVD1806	9.47	0.057	1.105	0.0288	1.395	0.892	0.303	0.1035	7.16	-0.5	80	70	10.2	-2	40	122	90	55	20	100
LVD1807	8	0.058	0.845	0.0454	1.415	0.772	0.1365	0.0431	5.58	-0.5	-10	100	5	4	40	67	40	38	40	40
LVD1808	8.01	0.034	0.41	0.015	0.782	0.811	0.0723	0.047	5.83	-0.5	40	80	5.2	4	10	56	20	26	-10	-10
LVD1809	8.62	0.046	1.88	0.0299	2.58	0.728	0.0942	0.0956	6.41	-0.5	20	40	8.4	3	30	172	70	87	-10	160
LVD1810	6.85	0.047	0.369	0.0618	1.62	0.501	0.266	0.304	5.68	-0.5	110	110	16.2	5	40	75	150	37	-10	90
LVD1811	7.18	0.037	0.879	0.0311	1.47	0.693	0.0518	0.1935	5.53	-0.5	220	100	11	-2	30	55	70	32	40	100
LVD1812	7.58	0.035	0.384	0.057	0.766	1.83	0.0697	0.136	5.32	-0.5	280	20	5.6	2	10	14	40	16	-10	50
LVD1813	6.7	0.033	0.849	0.0228	1.34	1.63	0.0699	0.149	5.85	-0.5	460	10	6	-2	20	14	100	23	40	100
LVD1814	6.52	0.025	0.978	0.0194	1.58	1.2	0.0559	0.1345	5.95	-0.5	560	70	8.4	-2	-10	-7	90	21	-10	100
LVD1815	7.97	0.018	0.049	0.0115	0.674	0.047	0.012	0.0543	5.66	-0.5	140	50	4.7	-2	-10	-7	-10	2	-10	-10
LVD1816	8.02	0.022	0.1	0.0523	1.335	0.089	0.0112	0.0339	4.44	-0.5	50	120	3.3	-2	-10	-7	-10	4	-10	-10
LVD1879	2.37	0.046	0.284	0.1085	1.325	0.408	0.0333	0.0187	26.5	1.4	530	40	18.1	21	30	-7	1580	28	-10	-10
LVD1878	0.26	0.012	0.123	0.0091	0.082	0.017	0.019	0.0053	-0.1	-0.5	-10	30	1.3	-2	10	7	-10	5	-10	-10
LVD1880	3.79	3.29	1.555	0.323	1.225	0.219	0.1835	0.0346	7.14	0.7	10	50	1	-2	30	27	1030	40	-10	10
LVD1857	0.485	2.95	2.17	0.0798	0.0688	0.032	0.0727	0.0404	5.19	-0.5	10	10	60.6	-2	-10	15	-10	17	-10	120
LVD1858	0.182	0.639	0.567	0.0277	0.0317	0.011	0.0633	0.0353	1.34	-0.5	-10	-10	92.9	10	20	56	130	14	20	80
LVD1859	1.075	0.535	0.751	0.0691	0.171	0.071	5.23	0.1225	4.57	-0.5	390	10	92.4	18	100	7	590	82	250	1540
LVD1860	1.305	1.06	0.936	0.0812	0.348	0.074	5.2	0.429	5.33	-0.5	290	10	120.5	5	50	29	60	131	-10	2210
LVD1861	0.588	0.25	0.37	0.0466	0.1695	0.031	2.56	0.0883	1.07	-0.5	90	20	64.9	6	70	22	290	58	80	950
LVD1862	1.165	0.223	0.365	0.063	0.203	0.061	2.92	0.1975	5.4	-0.5	140	10	85.1	4	70	-7	160	135	90	1670
LVD1863	5.45	0.353	1.045	0.0936	0.559	0.241	0.389	0.1855	6.17	1.2	170	50	74.2	167	40	29	340	139	110	1710
LVD1864	6.67	0.066	0.422	0.1175	2.1	0.384	0.424	0.0644	4.15	0.9	220	110	22	12	30	49	80	45	20	360
LVD1865	7.26	0.066	0.767	0.12	2.08	0.421	0.116	0.0676	4.2	-0.5	360	90	23.7	24	20	49	190	60	10	330
LVD1866	7.13	0.061	0.58	0.093	1.56	0.674	0.0979	0.0516	2.69	-0.5	250	70	13.1	4	30	99	290	54	-10	200
LVD1867	6.25	0.039	0.467	0.118	2.15	0.314	0.0542	0.043	3.2	-0.5	160	140	11.4	11	-10	22	100	42	-10	70
LVD1868	2.6	0.06	1.96	0.0911	0.155	0.116	0.592	0.1295	5.94	-0.5	650	60	47.3	20	40	-7	290	83	-10	670
LVD1869	5.4	0.067	0.967	0.1	0.321	0.196	1.085	0.215	9.7	-0.5	1700	70	68.8	130	70	-7	490	169	70	1100
LVD1870	2.08	0.031	3.67	0.1015	0.0615	0.072	0.303	0.1405	6.26	-0.5	690	70	44.3	107	50	-7	580	68	80	620
LVD1871	4.73	0.039	1.115	0.0964	0.412	0.293	0.192	0.1325	7.19	-0.5	570	140	39.8	82	50	21	1190	86	50	590
LVD1872	10.95	0.075	0.421	0.103	0.785	0.95	0.1985	0.1135	9.92	-0.5	520	180	24.2	19	20	22	430	115	-10	450
LVD1873	11.75	0.174	0.572	0.1035	1.94	2.1	0.1285	0.1075	9.41	-0.5	200	200	21.4	18	30	42	610	77	20	310
LVD1874	9.53	0.124	0.581	0.1025	0.952	0.705	0.158	0.121	9.49	-0.5	260	100	28.6	24	20	28	350	112	-10	410
LVD1875	9.42	0.066	0.928	0.0996	0.568	0.601	0.219	0.168	10.6	-0.5	190	30	62.3	41	30	-7	290	95	-10	560
LVD1876	7.84	0.029	6	0.1835	4.08	0.14	0.1055	0.067	4.45	-0.5	80	140	24.1	23	10	-7	160	19	-10	200
LVD1877	7.94	0.042	0.557	0.208	3.48	0.122	0.0354	0.0264	4.12	-0.5	10	100	11.3	3	10	7	890	15	-10	50
LVD1840	0.131	0.038	0.024	-0.0007	0.019	0.017	0.0269	0.0082	0.11	-0.5	-10	20	0.5	-2	10	7	-10	3	10	-10
LVD1855	2.67	0.717	0.721	0.057	0.889	0.543	0.24	0.0563	1.37	0.6	330	40	5.2	31	30	-7	280	11	130	210
LVD1854	0.162	0.012	0.012	-0.0007	0.0353	0.025	0.0061	0.0069	0.05	-0.5	-10	10	-0.5	-2	10	-7	-10	2	40	-10
LVD1841	1.74	0.037	0.259	0.0534	1.145	0.468	0.0131	0.0162	30.5	1.5	560	30	14.2	21	40	-7	1840	23	-10	40
LVD1842	3.72	3.19	1.49	0.305	1.195	0.219	0.175	0.0368	5.89	-0.5	10	50	0.8	-2	20	14	60	31	-10	10
LVD1856	0.943	0.903	0.555	0.0697	0.154	0.069	0.251	0.0282	4.65	-0.5	30	30	0.7	-2	30	-7	290	30	40	50
LVD1826	1.56	12.7	7.5	0.0781	0.245	0.152	0.054	0.0644	26.9	-0.5	20	80	8.7	2	10	-7	40	25	-10	80
LVD1827	2.65	0.646	2.33	0.0618	0.1985	0.259	0.146	0.239	9.9	-0.5	170	90	116.5	2	20	-7	230	91	70	430
LVD1828	3.91	0.786	2.59	0.0677	0.706	0.443	0.1175	0.1385	7.46	-0.5	40	110	50.1	7	30	-7	290	93	50	480
LVD1829	5.12	0.696	1.825	0.05	0.773	0.698	0.124	0.198	8.93	-0.5	70	130	41	2	20	-7	490	108	10	550
LVD1830	3.88	0.657	1.76	0.0378	0.404	0.446	0.262	0.203	9.19	-0.5	110	120	47.1	3	20	-7	560	114	-10	520
LVD1831	5.24	0.832	2.68	0.0573	1.005	0.338	0.501	0.225	7.75	-0.5	30	120	19.3	4	50	-7	150	100	-10	280
LVD1832	5.17	0.524	1.975	0.0419	1.125	0.331	0.505	0.261	7.52	-0.5	40	90	25.3	-2	50	-7	210	121	-10	320
LVD1833	5.33	0.611	1.265	0.0381	0.259	0.365	3.74	0.1895	9.75	-0.5	40	80	22.8	25	320	-7	320	197	-10	450
LVD1834	6.45	0.511	1.28	0.0432	0.631	0.68	1.15	0.201	9.61	-0.5	60	70	24.1	-2	120	-7	250	157	30	380
LVD1835	7.78	0.484	1.255	0.045	0.464	1.13	0.728	0.291	10.1	-0.5	90	80	36.4	2	60	113	430	96	-10	720
LVD1836	9.2	0.182	1.44	0.102	2.92	1.97	0.127	0.127	7.08	-0.5	30	20	17.8	-2	30	380	130	173	20	460
LVD1837	10.55	0.196	1.05	0.0634	1.38	1.085	1.01	0.184	9.72	-0.5	60	20	18.2	55	110	125	280	146	-10	280
LVD1838	8.2	0.061	0.835	0.0192	0.766	0.775	1.045	0.0883	7.17	0.6	40	30	9.3	23	80	-7	180	54	-10	100
LVD1839	8.54	0.071	1.355	0.0372	1.495	0.759	1.56	0.0993	7.44	-0.5	40	40	9.3	-2	100	7	190	60	30	140
LVD1843	10.4	0.057	1.08	0.0465	1.23	0.775	0.771	0.235	9.73	0.8	100	50	13.7	2	50	204	260	47	30	200
LVD1844	8.86	0.044	0.866	0.0243	1.24	0.434	0.898	0.1395	8.55	0.7	450	70	14	-2	30	-7	300	32	-10	140
LVD1845	1.95	0.015	0.137	0.043	0.252	0.12	0.582	0.293	10.2	0.8	1400	290	38.3	30	40	-7	770	16	230	260
LVD1846	7.16	0.029	0.414	0.0604	1.52	0.15	0.1135	0.0762	5.77	0.5	180	170	9.8	3	20	-7	220	11	60	20
LVD1847	7.5	0.02	0.089	0.0876	1.215	0.049	0.0198	0.0645	5.7	-0.5	260	210	7.7	8	10	-7	160	2	70	-10
LVD1848	8.14	0.031	0.387	0.0461	0.84	0.276	0.0466	0.0416	5.53	-0.5	80	270	4.1	-2	10	-7	70	21	-10	20

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LVD1849	5.27	0.045	0.113	0.0449	0.959	0.064	0.0414	0.0194	3.54	-0.5	40	170	4.7	-2	10	-7	10	15	20	-10
LVD1850	9	0.033	0.633	0.0456	1.345	0.393	0.0445	0.0406	6.02	-0.5	20	120	5.2	-2	10	-7	50	23	40	30
LVD1851	7.82	0.051	0.462	0.0276	1.165	0.363	0.0469	0.0572	5.29	-0.5	-10	100	4.8	-2	-10	-7	30	21	-10	-10
LVD1852	8.53	0.035	0.835	0.0337	1.475	0.53	0.0496	0.0965	5.89	-0.5	30	20	6	-2	-10	-7	30	23	-10	20
LVD1853	9.25	0.045	0.231	0.0605	1.34	0.247	0.0723	0.123	6.23	-0.5	40	40	7.2	3	20	-7	80	10	130	70
LVD1901	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1902	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1903	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1889	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1890	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1891	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1892	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1893	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1894	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1895	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1896	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1897	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1898	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1899	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1900	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1904	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1905	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1906	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
LVD1907	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3593	1.81	0.039	0.275	0.0482	1.305	0.523	0.0026	0.0165	27.9	1.8	635	30	-999	18	40	30	2140	29	19	13
MLD3592	0.047	0.124	0.014	-0.0007	0.0056	0.02	0.0032	0.0009	0.15	-0.5	-5	10	-999	-2	-10	-7	2	2	-2	4
MLD3594	1.62	0.022	0.171	0.1195	0.0035	0.027	0.0638	0.0552	6.67	0.5	12	-10	-999	-2	10	500	33	155	2	33
MLD3573	6.4	6.89	2.39	2.09	1.745	1.125	0.164	0.1025	0.89	-0.5	71	10	-999	-2	50	182	184	78	12	100
MLD3574	6.14	14.05	2.73	1.225	0.641	1.43	0.29	0.104	0.35	-0.5	438	320	-999	7	70	145	144	62	11	83
MLD3575	6.36	10.4	2.49	2.12	0.659	1.375	0.205	0.0993	0.35	-0.5	141	110	-999	7	50	124	281	66	11	111
MLD3576	5.46	16.6	2.63	1.28	0.513	1.265	0.142	0.1005	5.61	-0.5	76	130	-999	4	40	133	194	61	11	122
MLD3577	3.02	26.9	1.27	0.878	0.419	0.62	0.0789	0.0653	22.9	-0.5	9	40	-999	-2	20	27	57	27	10	100
MLD3578	3.95	23.8	1.63	0.778	0.464	0.915	0.088	0.0755	16.65	0.8	5	90	-999	-2	30	77	71	33	9	167
MLD3579	4.78	21.8	2.15	0.652	0.334	1.165	0.1305	0.0926	11.65	-0.5	40	140	-999	-2	40	77	90	42	8	115
MLD3580	4.05	26.8	1.755	0.1945	0.1235	0.93	0.1655	0.0811	13.35	-0.5	293	990	-999	16	30	85	176	42	5	101
MLD3581	3.88	25.8	1.62	0.61	0.311	0.872	0.14	0.0774	16.9	-0.5	170	550	-999	37	40	64	65	36	10	79
MLD3582	2.68	28.5	1.105	0.785	0.295	0.565	0.071	0.0597	25	-0.5	-5	40	-999	-2	20	54	40	21	9	49
MLD3583	4.57	25.1	1.79	0.235	0.0936	0.92	0.251	0.0791	9.97	-0.5	254	740	-999	13	30	48	131	35	7	98
MLD3584	5.23	21	2.88	0.265	0.138	1.335	0.307	0.1005	2.43	-0.5	367	1080	-999	14	50	162	128	55	7	93
MLD3585	6.34	9.8	3.06	2.04	0.514	1.445	0.17	0.1135	0.46	-0.5	55	70	-999	-2	60	165	124	81	28	219
MLD3586	6.17	8.64	2.68	2.32	0.39	1.4	0.1405	0.108	1.08	-0.5	27	70	-999	5	50	164	120	78	17	155
MLD3587	6.8	6.8	3.24	2.09	0.823	1.72	0.156	0.1155	1.22	-0.5	28	70	-999	5	60	144	106	70	10	153
MLD3588	6.44	6.5	3	2.26	0.697	1.7	0.126	0.1075	1.88	-0.5	14	60	-999	-2	60	160	110	62	7	124
MLD3589	6.7	5.11	3.57	1.985	0.758	1.73	0.1095	0.1215	1.96	-0.5	22	10	-999	-2	50	190	108	81	6	109
MLD3590	5.58	16.6	2.1	1.25	0.42	1.21	0.212	0.0975	2.43	-0.5	129	330	-999	-2	50	104	160	55	13	94
MLD3591	5.7	14.75	2.5	1.065	0.408	1.355	0.252	0.0956	-0.78	-0.5	60	90	-999	-2	60	104	292	64	36	160
MLD3664	0.96	0.913	0.573	0.1395	0.1595	0.079	0.256	0.0245	4.43	-0.5	11	40	-999	-2	30	-7	29	23	-2	53
MLD3663	2.67	0.742	0.742	0.1415	0.897	0.534	0.243	0.0543	1.8	-0.5	368	50	-999	30	10	-7	180	5	-2	142
MLD3662	0.011	0.037	0.006	-0.0007	0.004	0.009	-0.0008	0.0019	0	-0.5	-5	10	-999	-2	-10	28	2	-1	-2	-2
MLD3643	8.34	4.38	2.77	2.58	2.39	1.24	0.1445	0.11	2.27	-0.5	26	1990	-999	-2	30	116	45	104	-2	62
MLD3644	4.21	16.45	1.925	0.247	0.207	0.709	0.277	0.0813	-0.26	-0.5	286	2690	-999	24	30	112	1300	72	-2	182
MLD3645	4.04	18.15	1.845	0.0655	0.0547	0.741	0.373	0.0748	1.38	-0.5	389	4690	-999	98	40	93	274	37	5	155
MLD3646	4.61	18.8	2.01	0.1655	0.126	0.866	0.351	0.0823	1.6	-0.5	311	5400	-999	40	10	57	391	37	26	231
MLD3647	3.95	18.1	1.71	0.0595	0.03	0.852	0.317	0.0776	1.24	-0.5	211	6320	-999	29	40	40	758	26	2	125
MLD3648	3.39	14.3	1.465	0.1485	0.0857	0.756	0.287	0.0772	0.22	-0.5	119	4140	-999	15	20	-7	854	17	3	151
MLD3649	4.02	15	1.355	0.233	0.28	0.759	0.333	0.0812	1.18	-0.5	219	3650	-999	13	20	14	654	22	5	131
MLD3650	1.75	7.44	1.08	0.1465	0.621	0.392	0.313	0.0553	0.5	0.6	55	8750	-999	5	20	-7	584	10	-2	127
MLD3651	1.85	2.04	0.8	0.1095	1.955	0.408	0.0865	0.0561	5.74	-0.5	1260	140	-999	147	30	-7	335	10	-2	64
MLD3652	2.97	3.81	1.365	0.157	2.53	0.671	0.1045	0.0693	0.47	-0.5	675	220	-999	94	10	-7	355	19	-2	48
MLD3653	1.38	2.97	0.663	0.1445	1.385	0.285	0.0475	0.0493	2.3	-0.5	10700	110	-999	403	130	-7	1070	14	-2	43
MLD3654	3.18	2.54	1.31	0.267	2.63	0.523	0.1255	0.0632	4.1	1.1	8870	180	-999	1730	120	-7	2230	27	-2	91
MLD3655	2.48	4.67	1.165	0.202	2.29	0.361	0.089	0.0521	2.1	0.9	6720	210	-999	871	120	-7	2780	25	-2	70
MLD3656	2.48	4.82	1.31	0.138	2.02	0.543	0.086	0.0674	4.16	0.6	243	290	-999	185	80	62	2870	13	-2	67
MLD3657	4.07	4.46	1.96	0.566	2.27	0.765	0.1235	0.0718	2.54	0.5	150	400	-999	132	50	41	1610	44	2	54

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD3658	4.63	12.4	2.32	0.597	0.672	0.91	0.292	0.0904	0.51	-0.5	329	1690	-999	23	40	60	538	51	14	106
MLD3659	5.34	10.45	2.5	0.834	0.894	1.08	0.261	0.1	0.64	-0.5	86	580	-999	23	50	84	353	63	3	179
MLD3660	4.86	13.8	2.47	0.408	0.422	1.03	0.301	0.0894	0.52	0.6	293	280	-999	39	60	104	268	65	8	175
MLD3661	5.36	16.8	2.82	0.175	0.218	1.225	0.312	0.0938	0.57	-0.5	48	230	-999	12	50	106	308	60	2	182
MLD3685	-0.005	0.017	-0.006	-0.0007	0.0039	-0.006	-0.0008	0.0014	0.05	-0.5	-5	100	-999	-2	-10	-7	-10	-999	-999	-10
MLD3686	2.66	0.699	0.712	0.1415	0.904	0.525	0.246	0.0552	1.87	-0.5	340	70	-999	35	20	-7	260	-999	-999	200
MLD3687	0.967	0.9	0.567	0.1375	0.1675	0.058	0.26	0.0259	4.43	-0.5	7	110	-999	3	30	-7	100	-999	-999	70
MLD3665	5.27	18.9	1.755	0.534	0.891	0.932	0.266	0.094	3.96	-0.5	275	3360	-999	25	50	110	460	-999	-999	70
MLD3666	4.2	18.45	1.955	0.1815	0.208	0.78	0.302	0.0849	6.25	-0.5	7720	2310	-999	218	210	116	240	-999	-999	140
MLD3667	3.42	16.55	1.57	0.103	0.083	0.525	0.351	0.064	0.46	-0.5	643	4360	-999	73	60	82	1530	-999	-999	110
MLD3668	2.62	13.4	1.175	0.1695	0.139	0.402	0.228	0.0525	3.09	-0.5	1490	1320	-999	204	110	60	370	-999	-999	130
MLD3669	4.2	28.8	2.05	-0.0007	0.0028	0.858	0.259	0.0864	11.65	-0.5	392	4030	-999	10	40	163	270	-999	-999	110
MLD3670	3.59	26.8	1.65	0.0309	0.065	0.626	0.263	0.0691	12.05	-0.5	453	1930	-999	14	40	83	430	-999	-999	60
MLD3671	4.65	24.5	2.22	0.205	0.301	0.829	0.313	0.0754	9.49	-0.5	257	2830	-999	5	40	90	200	-999	-999	80
MLD3672	4.55	24.1	2.38	0.1255	0.283	0.965	0.315	0.0949	7.85	-0.5	151	1360	-999	6	40	118	320	-999	-999	70
MLD3673	4.91	18.25	2.77	0.747	0.555	1.045	0.364	0.0978	4.45	-0.5	257	990	-999	3	70	109	240	-999	-999	120
MLD3674	5.86	15.95	3.51	0.579	0.923	1.195	0.345	0.1025	2.58	-0.5	141	760	-999	5	40	162	200	-999	-999	80
MLD3675	5.59	16.9	3.39	0.589	0.739	1.26	0.329	0.108	3.19	-0.5	297	2080	-999	10	50	146	270	-999	-999	110
MLD3676	4.17	18.9	2.1	0.0796	0.698	0.939	0.247	0.1035	5.44	-0.5	382	2870	-999	9	30	99	630	-999	-999	90
MLD3677	2.06	1.49	0.961	0.105	2.17	0.484	0.0822	0.052	2.42	-0.5	154	80	-999	16	20	7	430	-999	-999	80
MLD3678	3.86	2.24	1.835	0.0865	3.63	0.929	0.124	0.0862	3.29	-0.5	94	150	-999	9	20	46	360	-999	-999	60
MLD3679	2.79	2.63	1.55	0.0949	2.83	0.685	0.0937	0.0617	2.03	-0.5	846	260	-999	140	30	33	220	-999	-999	70
MLD3680	4.02	13	2.44	0.0585	1.965	1.16	0.1905	0.0912	4.43	-0.5	570	1780	-999	20	30	124	250	-999	-999	40
MLD3681	2.29	3.26	1.475	0.0834	2.38	0.514	0.119	0.0579	5.54	-0.5	5150	20	-999	56	70	38	200	-999	-999	60
MLD3682	4.32	12.8	2.86	0.238	2.27	1.04	0.166	0.0933	5.18	-0.5	165	280	-999	329	30	186	200	-999	-999	40
MLD3683	3.16	11.3	1.805	0.069	1.54	0.659	0.1505	0.069	6.99	-0.5	268	220	-999	27	40	34	600	-999	-999	40
MLD3684	3.46	2.44	1.415	0.1085	2.81	0.761	0.065	0.0685	10.1	-0.5	6010	80	-999	138	100	55	1020	-999	-999	40
MLD3688	3.43	3.3	1.39	0.104	2.49	0.917	0.0755	0.0751	10.05	-0.5	4330	120	-999	333	100	55	950	-999	-999	30
MLD3689	2	3.35	1.025	0.1055	2.01	0.408	0.1465	0.0467	8.09	-0.5	30100	50	-999	886	610	-7	240	-999	-999	60
MLD3690	3.14	4.27	1.435	0.1135	1.665	0.713	0.2	0.066	12.1	-0.5	146	160	-999	49	20	19	170	-999	-999	30
MLD3691	2.63	13	1.19	0.0347	1.255	0.36	0.281	0.0576	9.7	-0.5	1870	190	-999	28	20	-7	230	-999	-999	-10
MLD3692	5.04	9.26	1.89	0.0652	3.23	0.922	0.167	0.0896	5.69	-0.5	112	630	-999	11	10	28	190	-999	-999	20
MLD3693	4.83	9.02	2.07	0.1615	2.78	1.115	0.265	0.108	3.45	0.5	173	840	-999	39	30	41	570	-999	-999	100
MLD3694	4.54	15.75	1.955	0.335	0.656	0.825	0.386	0.0923	0.62	0.7	166	3950	-999	24	50	55	1090	-999	-999	100
MLD3695	4.01	17.65	1.885	0.1095	0.119	0.846	0.369	0.0859	0.19	0.5	192	4100	-999	276	50	48	730	-999	-999	90
MLD3696	4.11	16.95	1.885	0.1065	0.1195	0.824	0.351	0.084	0.73	-0.5	119	1180	-999	22	40	67	510	-999	-999	140
MLD3697	5.05	18.25	2.49	0.501	0.429	1.06	0.287	0.103	3.97	-0.5	164	820	-999	59	50	89	470	-999	-999	100
MLD3698	3.75	17.75	1.905	0.0874	0.439	0.888	0.1835	0.1055	8.83	-0.5	99	830	-999	13	20	166	220	-999	-999	80
MLD3699	5.67	6.72	2.72	2.09	0.97	1.245	0.1195	0.106	2.06	-0.5	109	50	-999	4	50	133	160	-999	-999	30
MLD3718	0.984	0.909	0.596	0.1365	0.164	0.069	0.256	0.025	4.23	-0.5	15	50	-999	-2	-10	-7	110	-999	-999	60
MLD3717	1.755	0.043	0.277	-0.0007	1.24	0.48	-0.0008	0.0147	29.6	1.2	832	90	-999	22	30	-7	1840	-999	-999	-10
MLD3716	0.005	0.022	0.006	-0.0007	0.0077	0.012	-0.0008	0.0016	0.08	-0.5	8	90	-999	-2	-10	59	-10	-999	-999	-10
MLD3700	5.96	7.09	1.94	1.855	0.847	0.806	0.163	0.0741	0.69	-0.5	188	60	-999	6	50	132	280	-999	-999	80
MLD3701	4.6	10.55	2.21	0.857	0.752	0.813	0.325	0.0855	0.15	-0.5	516	280	-999	10	50	99	430	-999	-999	240
MLD3702	5.57	15.9	2.71	0.465	0.554	1.105	0.269	0.1055	0.95	-0.5	214	470	-999	9	50	172	490	-999	-999	100
MLD3703	5.2	10.3	2.74	0.674	0.778	1.115	0.29	0.0997	0.59	0.9	1910	200	-999	20	60	140	580	-999	-999	160
MLD3704	4.17	8.3	1.675	0.565	0.758	0.724	0.286	0.0702	0.03	-0.5	4610	190	-999	208	170	48	260	-999	-999	140
MLD3705	2.93	4.89	1.465	0.412	1.01	0.58	0.219	0.0622	-0.29	0.5	10500	60	-999	355	400	50	520	-999	-999	170
MLD3706	2.86	3.36	1.505	0.207	1.935	0.518	0.19	0.0569	0.63	1.4	25700	100	-999	685	710	43	1480	-999	-999	110
MLD3707	2.61	4.99	1.235	0.342	1.26	0.408	0.1775	0.0483	0.35	0.9	28700	100	-999	758	930	12	1050	-999	-999	150
MLD3708	2.44	5.9	1.525	0.422	0.518	0.442	0.195	0.0549	0.67	0.9	35400	110	-999	698	1220	-7	840	-999	-999	120
MLD3709	2.14	4.4	1.34	0.352	0.544	0.492	0.177	0.0589	-0.59	1.5	18500	80	-999	803	750	39	1220	-999	-999	150
MLD3710	1.54	3.07	0.969	0.156	0.689	0.347	0.1305	0.041	-0.88		11000	140	-999	629	390	16	1240	-999	-999	120
MLD3711	1.555	3.27	1.02	0.282	0.421	0.408	0.1575	0.0473	-1.08	-0.5	2370	130	-999	512	70	-7	580	-999	-999	170
MLD3712	2.22	3.9	1.04	0.388	0.448	0.492	0.1955	0.0516	-0.88	0.7	996	10	-999	110	50	10	950	-999	-999	170
MLD3713	1.92	3.28	0.855	0.261	0.567	0.452	0.161	0.0461	-1.18	-0.5	1850	30	-999	150	40	-7	740	-999	-999	90
MLD3714	2.84	5.99	1.36	0.412	0.636	0.505	0.254	0.0568	-0.88	0.9	1770	120	-999	125	30	31	2260	-999	-999	140
MLD3715	6.77	6.92	3.11	1.72	1.285	1.475	0.1465	0.11	0.96	-0.5	116	130	-999	7	50	167	260	-999	-999	80
MLD4586	0.126	0.192	0.071	-0.0007	0.0305	0.041	0.0099	-0.0004	0.63	-0.5	-10	40	-0.5	-2	-10	-7	20	3	30	-10
MLD3739	0.033	0.133	0.013	-0.0007	-0.0008	0.012	0.004	0.0023	0.06	-0.5	5	10	-999	3	-10	-7	-10	-999	-999	-10
MLD3740	2.68	0.826	0.776	0.0326	0.94	0.547	0.25	0.0577	1.54	-0.5	340	50	-999	29	20	-7	150	-999	-999	100
MLD4587	2.74	0.731	0.754	0.0891	0.931	0.548	0.244	0.049	1.54	-0.5	340	70	5.3	35	20	121	270	3	40	200
MLD3741	0.954	0.924	0.597	0.0699	0.171	0.067	0.259	0.0256	4.51	-0.5	16	50	-999	-2	10	-7	20	-999	-999	-10
MLD4588	3.71	3.19	1.495	0.319	1.23	0.217	0.1775	0.0275	7.27	-0.5	10	100	0.8	3	10	-7	70	29	-10	20

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4581	4.35	20.5	2.23	1.325	0.348	0.924	0.145	0.0756	15.55	-0.5	-10	140	0.8	4	40	55	90	62	40	70
MLD4582	3.46	27	1.385	0.399	0.1265	0.698	0.313	0.064	16.65	-0.5	-10	200	0.5	-2	30	-7	90	31	50	80
MLD4583	5.06	15.45	2.37	2	0.678	1.14	0.1185	0.0813	8.58	-0.5	-10	100	0.9	-2	50	74	110	59	80	90
MLD4584	5.95	11.45	3.03	1.765	0.812	1.465	0.167	0.096	3.12	-0.5	-10	140	1.1	4	60	132	170	77	90	580
MLD4585	5.86	13.5	3.67	1.05	0.567	1.49	0.263	0.0988	2.96	-0.5	40	240	1	10	40	116	160	74	-10	180
MLD4589	3.45	25.1	1.7	0.661	0.461	0.794	0.0882	0.0671	18.75	-0.5	-10	110	0.6	-2	40	-7	80	34	70	40
MLD4590	3.67	25.7	1.48	0.522	0.426	0.798	0.0783	0.0622	19.25	-0.5	-10	120	0.7	2	20	-7	60	32	10	30
MLD4591	3.43	24.8	1.75	0.709	0.368	0.963	0.079	0.069	18.8	-0.5	-10	150	0.6	2	40	-7	90	30	80	30
MLD4592	3.04	25.6	1.39	0.835	0.601	0.669	0.0767	0.0571	22.1	-0.5	-10	10	0.6	-2	30	-7	70	26	50	20
MLD4593	3.99	22.5	1.745	0.855	0.585	0.859	0.131	0.0697	14.55	-0.5	10	270	0.8	6	30	-7	110	36	-10	90
MLD3733	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3734	4.24	21.6	1.95	0.0707	0.1105	0.815	0.416	0.0886	3.06	-0.5	1230	2240	-999	26	50	69	20	-999	-999	80
MLD3735	6.45	11.1	2.22	1.685	1.485	0.986	0.225	0.0984	1.03	-0.5	470	810	-999	4	30	104	110	-999	-999	70
MLD3736	4.85	20.2	2.68	0.172	0.33	0.883	0.351	0.11	0.67	0.6	559	1620	-999	343	50	280	380	-999	-999	90
MLD3737	5.07	21.1	2.5	0.038	0.0717	1	0.377	0.108	1.3	0.6	654	1900	-999	174	40	130	310	-999	-999	110
MLD3738	5.25	20.2	2.46	0.292	0.336	0.95	0.433	0.0881	1.76	0.5	314	2740	-999	46	30	103	210	-999	-999	180
MLD3742	4.61	19.35	2.16	0.0187	0.0638	0.926	0.424	0.0945	1.14	-0.5	249	4830	-999	153	-10	15	180	-999	-999	50
MLD3743	4.2	17.4	1.705	0.0617	0.0828	1.005	0.379	0.0887	0.44	0.6	545	9270	-999	102	40	288	380	-999	-999	130
MLD3744	4.29	17.5	1.79	0.0255	0.0786	0.955	0.414	0.0789	0.59	-0.5	520	-1111	-999	74	-10	-8	190	-999	-999	80
MLD3745	4.28	16.85	2.15	0.0859	0.123	1.025	0.427	0.0925	0.36	0.5	576	9040	-999	32	30	50	260	-999	-999	90
MLD3746	3.6	14.7	1.685	0.0997	0.1735	0.726	0.437	0.0726	0.74	-0.5	410	-1111	-999	27	-10	-8	40	-999	-999	40
MLD3747	4.07	17.85	1.76	0.0592	0.0795	0.908	0.438	0.0923	0.59	-0.5	367	9820	-999	32	30	15	190	-999	-999	150
MLD3748	3.72	14.85	1.82	0.23	0.283	0.795	0.385	0.0811	1.34	-0.5	511	7240	-999	47	30	14	250	-999	-999	80
MLD3749	3.81	15.1	1.605	0.1225	0.168	0.825	0.372	0.081	-1.17	-0.5	294	6410	-999	36	30	14	450	-999	-999	60
MLD3750	3.64	14.2	1.8	0.0774	0.1065	0.835	0.403	0.0958	-0.19	0.6	124	7000	-999	70	20	-7	390	-999	-999	150
MLD3751	3.65	15.65	1.5	0.0643	0.202	0.733	0.471	0.0747	0.33	-0.5	225	3280	-999	84	20	-7	190	-999	-999	190
MLD3752	4.08	17.9	2.05	0.207	0.322	0.86	0.429	0.0915	0.13	0.5	413	870	-999	256	20	49	250	-999	-999	90
MLD3753	5.07	13.7	2.51	0.868	0.63	1.07	0.305	0.0943	0.21	-0.5	143	920	-999	26	30	55	360	-999	-999	80
MLD3754	4.87	17.3	2.75	0.216	0.406	1.15	0.342	0.1015	1.32	-0.5	528	1510	-999	24	40	69	310	-999	-999	160
MLD3755	5.29	16.05	2.93	0.504	0.686	1.24	0.308	0.1005	0.38	-0.5	297	1080	-999	36	40	55	420	-999	-999	100
MLD3756	4.97	11.7	2.53	1.135	0.752	0.922	0.352	0.094	1.17	-0.5	162	260	-999	27	20	21	230	-999	-999	180
MLD3757	6.1	9.34	3.54	1.835	0.801	1.285	0.1805	0.1115	0.86	-0.5	70	250	-999	14	40	80	210	-999	-999	70
MLD3758	4.97	13.35	2.71	0.686	0.933	1.005	0.356	0.0947	1.03	-0.5	228	330	-999	27	10	28	260	-999	-999	100
MLD3759	5.52	13.6	2.84	0.949	0.773	1.115	0.264	0.1015	0.72	-0.5	220	620	-999	11	30	68	350	-999	-999	170
MLD3760	4.91	15.85	2.74	0.533	0.375	1.095	0.324	0.0939	0.86	0.5	183	2530	-999	19	20	42	220	-999	-999	150
MLD3761	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3762	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3763	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3764	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3765	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3719	5.97	8.66	2.37	1.85	0.916	0.939	0.228	0.0992	0.87	-0.5	130	300	-999	2	30	134	220	-999	-999	250
MLD3720	5.19	6.45	2.05	1.65	1.355	0.664	0.197	0.073	2.47	0.6	366	100	-999	2	140	91	1710	-999	-999	90
MLD3721	5.29	7.35	2.24	1.395	1.305	0.735	0.225	0.0749	1.15	-0.5	2710	100	-999	332	100	88	310	-999	-999	90
MLD3722	5.85	13.4	3.37	0.691	0.796	1.275	0.276	0.115	0.91	-0.5	460	580	-999	13	40	156	390	-999	-999	160
MLD3723	3.87	10.2	1.73	0.416	0.606	0.699	0.274	0.0682	0.49	-0.5	728	370	-999	18	20	45	230	-999	-999	150
MLD3724	2.87	5.77	1.03	0.387	0.832	0.499	0.212	0.0543	1.51	-0.5	466	90	-999	48	-10	-7	550	-999	-999	150
MLD3725	2.34	3.71	0.807	0.204	1.295	0.426	0.1545	0.0429	0.97	-0.5	2050	120	-999	61	20	-7	450	-999	-999	150
MLD3726	1.875	4.11	1.025	0.26	0.537	0.346	0.1875	0.0451	-0.1	0.5	2150	130	-999	38	40	-7	500	-999	-999	180
MLD3727	3.22	7.65	1.435	0.405	0.586	0.551	0.231	0.0586	-0.69	0.5	497	320	-999	28	40	50	1100	-999	-999	130
MLD3728	2.73	6.73	1.225	0.381	0.52	0.471	0.216	0.0522	-1.27	0.8	96	90	-999	37	20	18	1220	-999	-999	160
MLD3729	2.46	5.53	1.11	0.299	0.728	0.524	0.1775	0.0717	-1.18	-0.5	328	150	-999	35	10	14	700	-999	-999	150
MLD3730	3.06	8.11	1.19	0.187	0.887	0.566	0.247	0.0712	1.08	-0.5	101	100	-999	60	-10	22	240	-999	-999	150
MLD3731	5.14	11.5	2.15	1.005	1.045	0.924	0.295	0.0935	0.21	-0.5	104	140	-999	12	30	122	260	-999	-999	120
MLD3731DUP	5.19	11.4	2.27	1.17	1.075	0.889	0.308	0.0966	0.98	-0.5	126	100	-999	6	30	-7	210	48	-10	80
MLD3732	8.22	2.05	3.83	2.14	1.73	1.305	0.107	0.145	0.64	-0.5	134	380	-999	4	30	182	20	-999	-999	20
MLD3766	-0.005	0.012	-0.006	-0.0007	0.0062	0.013	-0.0008	-0.0004	-0.12	-0.5	-5	50	-999	-2	-10	168	-10	-999	-999	-10
MLD3768	1.675	0.026	0.2	0.0357	0.0118	0.03	0.057	0.0612	6.21	0.7	10	20	-999	-2	20	500	40	-999	-999	-10
MLD3767	1.625	0.037	0.261	0.0082	1.23	0.468	-0.0008	0.0148	30.7	1.6	576	50	-999	19	30	-7	1790	-999	-999	-10
MLD3769	6.43	7.06	2.33	2.34	0.942	0.889	0.1435	0.0902	0.32	-0.5	134	60	-999	146	30	94	280	-999	-999	-10
MLD3770	4.17	11.35	2.27	0.406	0.464	0.814	0.253	0.0821	-1	0.8	5190	340	-999	578	80	40	1030	-999	-999	120
MLD3771	4.17	15.2	1.69	0.1785	0.211	0.711	0.309	0.0716	-0.53	0.8	3550	670	-999	345	50	54	770	-999	-999	140
MLD3772	3.18	10.2	1.845	0.413	0.48	0.661	0.284	0.0798	0.25	0.6	4430	190	-999	315	60	244	560	-999	-999	60
MLD3773	2.34	9.05	1.695	0.291	0.335	0.595	0.228	0.0664	-1.36	1	5120	170	-999	138	70	41	890	-999	-999	50
MLD3774	1.855	7.77	1.77	0.275	0.415	0.598	0.222	0.0683	-1.32	-0.5	14200	20	-999	200	210	-7	880	-999	-999	50

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD3775	1.495	5.3	1.155	0.1255	0.43	0.404	0.155	0.0427	-1	-0.5	4720	40	-999	184	70	-7	360	-999	-999	20
MLD3776	2.05	7.98	1.78	0.245	0.364	0.517	0.218	0.0734	-1.13	-0.5	7870	130	-999	338	140	-7	830	-999	-999	80
MLD3777	3.36	8.85	1.76	0.321	1.25	0.743	0.27	0.078	0.67	-0.5	2620	120	-999	33	40	-7	690	-999	-999	100
MLD3778	2.94	8.08	1.245	0.321	0.549	0.521	0.186	0.0623	-2.7	0.8	2250	230	-999	340	50	32	1720	-999	-999	80
MLD3779	6.02	11.3	2.81	0.956	1.03	1.34	0.233	0.106	0.48	-0.5	136	200	-999	15	40	77	490	-999	-999	120
MLD3823	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3821	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3822	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3807	6.5	8.65	2.32	2.17	0.979	1.015	0.196	0.11	1.2	-0.5	1190	-10	1.9	-2	20	72	133	79	20	70
MLD3808	4.15	6.34	1.82	0.748	1.245	0.619	0.211	0.0699	0.43	-0.5	13900	30	10.1	300	240	-7	458	44	-10	90
MLD3809	4.56	9.99	2.04	0.474	0.92	0.832	0.294	0.0857	0.37	-0.5	9630	190	16.4	348	190	26	671	55	-10	130
MLD3810	2.36	7.53	1.045	0.238	0.679	0.346	0.1985	0.0465	-1.68	0.7	8960	120	25.3	997	170	-7	1090	4	-10	120
MLD3811	2.05	6.31	1.35	0.203	1.38	0.397	0.1615	0.0623	-1.39	0.5	11950	80	15	974	250	-7	1140	14	-10	90
MLD3812	1.965	2.97	1.095	0.17	1.39	0.413	0.17	0.0536	0.6	0.9	5330	60	12.2	869	70	-7	1470	-1	-10	100
MLD3813	2.21	4.49	1.02	0.222	1.355	0.348	0.165	0.0599	2.53	0.7	29100	130	15.9	882	590	-7	1370	21	-10	110
MLD3814	2.62	4.7	0.969	0.257	1.195	0.446	0.237	0.0549	-0.1	-0.5	12850	-10	11.6	321	240	-7	585	10	-10	100
MLD3815	1.98	4.38	0.659	0.1795	0.568	0.39	0.1915	0.0442	-1.98	-0.5	4220	150	19.8	326	60	-7	568	12	-10	170
MLD3816	1.935	3.27	0.944	0.233	0.475	0.396	0.1805	0.0494	-0.59	-0.5	163	90	16.8	19	-10	-7	1170	4	-10	150
MLD3817	1.5	2.5	0.757	0.246	0.328	0.284	0.141	0.0463	-1.68	-0.5	4360	110	30.6	100	-10	-7	328	6	-10	120
MLD3818	5.96	4.6	2.99	1.465	2.16	1.405	0.1015	0.1035	1.33	-0.5	1080	210	36.1	23	20	52	439	64	-10	70
MLD3819	5.09	11.3	2.16	0.533	1.09	0.974	0.284	0.0884	0.41	-0.5	156	300	35.5	38	-10	-7	617	62	-10	110
MLD3820	7.58	2.83	2.31	1.655	2.39	0.954	0.1115	0.0904	0.96	-0.5	62	170	3.8	-2	-10	14	143	67	-10	50
MLD3805	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3806	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3804	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3793	2.68	0.756	0.777	0.0288	0.955	0.539	0.257	0.0553	1.87	-0.5	313	60	-999	27	10	-7	168	3	4	137
MLD3792	0.017	0.18	0.087	-0.0007	0.0043	0.006	0.0087	-0.0004	-0.02	0.6	6	50	-999	-2	-10	-7	5	-1	2	-2
MLD3794	3.65	3.28	1.565	0.316	1.24	0.218	0.185	0.0349	7.11	-0.5	6	80	-999	-2	10	-7	46	33	6	56
MLD3780	5.98	7.9	2.73	1.81	1.275	1.205	0.1885	0.102	0.3	-0.5	559	40	-999	39	70	53	389	78	5	98
MLD3781	5.17	12.2	2.43	0.827	0.803	1.105	0.309	0.0971	-0.24	-0.5	736	1330	-999	51	60	668	456	54	6	137
MLD3782	4.58	9.29	1.94	0.999	0.714	0.888	0.27	0.0844	-0.24	-0.5	1760	270	-999	111	70	7	848	42	6	115
MLD3783	4.12	6.53	1.55	1.125	0.845	0.788	0.205	0.0745	-0.09	-0.5	2170	290	-999	164	50	-7	1420	51	4	98
MLD3784	5.08	8.47	1.87	1.265	1.235	0.935	0.247	0.089	0.19	-0.5	1730	220	-999	169	70	7	1070	53	5	111
MLD3785	3.9	4.52	1.455	0.425	1.25	0.827	0.229	0.0865	3.06	-0.5	3240	1420	-999	144	40	-7	1670	42	4	127
MLD3786	3.74	3.74	1.455	0.616	1.86	0.744	0.218	0.0742	0.11	-0.5	2700	2640	-999	87	10	-7	1020	37	4	134
MLD3787	3.63	5.28	1.61	0.713	1.01	0.688	0.1995	0.0735	-0.08	-0.5	3080	1240	-999	154	50	-7	1580	39	3	104
MLD3788	3.76	3.78	1.67	0.808	1.52	0.757	0.336	0.0813	0.55	-0.5	3120	6340	-999	154	40	-7	673	41	5	161
MLD3789	4.54	7.39	2.72	1.06	0.64	0.99	0.294	0.094	0.33	-0.5	1100	5520	-999	22	40	-7	150	47	7	122
MLD3790	5.25	13.55	3.22	0.601	0.404	1.205	0.323	0.1065	0.78	-0.5	354	3690	-999	16	30	-7	366	50	3	154
MLD3791	5.1	17.25	2.61	0.401	0.466	1.135	0.354	0.1	2.91	-0.5	130	1330	-999	-2	60	14	307	54	6	145
MLD3795	5.36	17.55	2.77	0.346	0.316	1.215	0.417	0.103	2.44	-0.5	183	1870	-999	8	50	27	337	60	5	154
MLD3796	6.2	13.2	3.13	1.425	0.453	1.265	0.34	0.1005	1.37	-0.5	144	270	-999	-2	40	180	216	75	12	148
MLD3797	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3798	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3799	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3800	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3801	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3802	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3803	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3842	3.72	3.29	1.545	0.302	1.235	0.213	0.185	0.0355	6.25	-0.5	12	40	-999	-2	-10	-7	46	34	-10	30
MLD3881	0.14	0.269	0.042	-0.0007	0.0208	0.024	0.0074	0.0045	0	-0.5	-5	20	-999	-2	-10	-7	7	4	-10	-10
MLD3840	0.197	0.546	0.087	-0.0007	0.015	0.036	0.0146	0.0052	0.09	-0.5	7	50	-999	-2	-10	-7	17	5	-10	-10
MLD3883	0.386	0.887	1.21	0.537	0.498	0.006	0.039	0.108	1.13	-0.5	-5	-10	-999	-2	-10	-7	29	-1	-10	30
MLD3882	1.665	0.036	0.248	0.0512	1.175	0.456	0.0025	0.0148	30.2	1.4	437	10	-999	16	40	-7	1910	26	-10	-10
MLD3841	1.685	0.036	0.254	0.0438	1.175	0.456	0.0032	0.0148	28.7	1.4	523	20	-999	23	30	-7	1910	28	20	10
MLD3824	4.78	7.36	1.86	1.01	1.18	0.851	0.259	0.0847	2.02	0.6	3610	270	-999	194	70	41	1000	64	30	100
MLD3825	4.81	6.83	1.575	0.849	1.24	0.851	0.254	0.0864	4.04	-0.5	2210	580	-999	127	30	-7	1010	58	-10	120
MLD3826	3.28	3.23	1.17	0.278	1.965	0.647	0.266	0.0759	0.63	-0.5	3180	3220	-999	114	10	-7	1460	34	-10	170
MLD3827	4.34	4.8	1.885	0.863	1.355	0.856	0.214	0.0767	2.12	-0.5	2080	1410	-999	97	30	31	891	50	20	110
MLD3828	2.89	2.71	1.13	0.276	1.625	0.555	0.266	0.0766	1.62	-0.5	2980	6720	-999	146	-10	-7	1420	26	-10	130
MLD3829	5.07	7.1	2.41	1.405	0.834	0.998	0.285	0.0924	0.23	-0.5	865	4730	-999	19	10	21	218	52	-10	120
MLD3830	4.64	9.3	3.06	0.735	0.521	1.07	0.319	0.1035	1.22	-0.5	614	5170	-999	14	20	27	339	57	-10	140
MLD3831	5.8	15.95	3.1	0.611	0.518	1.33	0.326	0.114	1.72	-0.5	88	710	-999	5	40	87	301	64	30	160
MLD3832	5.13	17.5	2.54	0.288	0.305	1.185	0.392	0.107	4.26	-0.5	243	2630	-999	8	40	88	323	57	50	150

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD3833	5.7	16.25	2.66	0.597	0.394	1.16	0.402	0.0973	1.96	-0.5	173	740	-999	-2	30	95	317	66	10	130
MLD3834	6.09	15.15	1.255	0.0849	0.1295	1.16	0.593	0.1045	3.75	-0.5	363	110	-999	10	20	76	173	67	10	280
MLD3835	7.47	12.9	0.956	0.0706	0.227	1.565	0.482	0.1455	5.02	-0.5	106	400	-999	4	30	157	266	75	-10	480
MLD3836	8.41	7.35	1.68	0.542	0.312	1.615	0.925	0.1675	5.07	-0.5	529	180	-999	19	40	113	266	170	-10	620
MLD3837	8.88	7.2	1.055	0.1535	0.241	1.835	1.085	0.1855	7.78	-0.5	486	230	-999	20	120	188	398	336	-10	1130
MLD3838	7.36	11.6	3.65	0.862	0.705	1.625	0.303	0.135	1.65	-0.5	395	90	-999	2	30	124	59	117	-10	280
MLD3839	7.22	13.35	1	0.1345	0.231	1.46	0.624	0.149	4.72	-0.5	434	760	-999	11	40	142	560	93	10	740
MLD3875	5.8	12	2.24	1.345	1.16	1.115	0.267	0.1075	1.08	-0.5	44	330	-999	-2	50	59	116	62	20	150
MLD3876	5.65	15.2	2.28	0.437	1.155	1.145	0.287	0.105	1.18	-0.5	38	100	-999	-2	40	33	137	61	-10	80
MLD3877	5.52	15.8	2.31	0.495	0.724	1.145	0.304	0.1305	0.24	-0.5	64	180	-999	2	60	46	170	60	10	140
MLD3878	5.73	14.25	2.14	1.245	0.694	1.12	0.264	0.1245	0.02	-0.5	28	120	-999	-2	50	20	116	46	20	280
MLD3879	6.11	11.4	2.26	1.835	0.889	1.12	0.217	0.1225	1.74	-0.5	11	290	-999	-2	50	33	124	46	-10	250
MLD3880	6.24	10.9	2.47	1.42	1.46	1.055	0.246	0.115	0.61	-0.5	14	130	-999	-2	50	40	119	55	-10	130
MLD3863	0.011	0.021	0.011	-0.0007	0.006	0.012	0.0017	0.0021	0.06	-0.5	-5	50	-0.5	-2	-10	98	1	2	-10	-10
MLD3865	3.72	3.25	1.555	0.303	1.235	0.218	0.183	0.0334	6.87	-0.5	14	100	0.9	2	20	-7	46	35	-10	10
MLD3864	2.7	0.762	0.762	0.0457	0.927	0.54	0.252	0.0553	1.6	-0.5	358	60	5.9	32	20	-7	182	42	30	200
MLD3843	6.31	11.7	4.65	1.59	0.792	1.375	0.226	0.113	1.2	-0.5	317	1900	2	15	30	272	59	72	-10	60
MLD3844	3.24	13.05	1.845	0.0523	0.0319	0.851	0.392	0.0715	1.1	-0.5	1255	7100	0.9	126	60	27	21	32	70	180
MLD3845	4.49	19.35	2.46	0.0697	0.0276	1.005	0.394	0.0886	1.98	0.5	523	7550	1.2	58	40	83	222	36	80	110
MLD3846	3.51	15.9	2.32	0.0753	0.0659	0.942	0.411	0.0821	0.24	-0.5	219	8270	0.7	26	20	49	320	31	20	120
MLD3847	3.6	15.2	2.23	0.1745	0.134	0.875	0.421	0.0828	0.11	-0.5	421	9080	0.9	46	40	-7	307	41	40	140
MLD3848	3.12	12.9	1.675	0.208	0.285	0.679	0.416	0.0688	0.7	-0.5	355	-1111	5.8	23	10	-7	231	25	-10	100
MLD3849	3.36	12.65	1.71	0.211	0.412	0.713	0.375	0.0747	0.88	-0.5	1090	-1111	10.4	57	20	-7	230	25	-10	120
MLD3850	2.99	11.1	1.685	0.182	0.472	0.662	0.385	0.061	0.76	-0.5	265	-1111	6.4	22	20	-7	499	22	40	140
MLD3851	3.96	13.8	1.95	0.279	0.297	0.959	0.363	0.0836	0.95	0.5	523	6010	2.2	63	30	14	612	36	-10	150
MLD3852	3.69	13.35	1.45	0.2	0.185	0.665	0.371	0.0745	-2.48	0.5	3560	7930	28.2	100	100	-7	1950	39	20	110
MLD3853	3.74	14.95	2.21	0.1875	0.1685	0.861	0.406	0.0841	0.58	-0.5	966	8240	2.6	44	40	14	389	32	-10	120
MLD3854	3.06	11.5	1.63	0.205	0.252	0.693	0.37	0.0686	-0.99	0.5	1240	6290	2.2	119	70	-7	661	35	-10	200
MLD3855	3.08	13.9	1.35	0.1865	0.1655	0.632	0.446	0.0652	-0.3	-0.5	4040	-1111	1.5	266	90	-7	645	31	-10	110
MLD3856	2.49	3.94	1.105	0.108	2.03	0.474	0.185	0.0647	-0.5	-0.5	9630	5810	12.6	671	370	-7	476	16	20	80
MLD3857	4.16	10.85	1.925	0.385	1.525	0.882	0.297	0.0877	-0.4	-0.5	1960	4270	5.6	246	90	34	725	34	40	110
MLD3858	3.91	5.46	1.605	0.135	2.88	0.617	0.1995	0.0857	0	-0.5	554	3870	13.3	21	50	-7	543	22	70	90
MLD3859	5.22	5.94	2.38	0.687	2.78	0.911	0.1955	0.0892	1.49	0.5	277	180	37.3	97	30	26	618	41	-10	70
MLD3860	5.12	9.47	2.56	0.837	1.475	1.015	0.24	0.0912	0.96	-0.5	316	160	39.4	42	40	26	434	68	-10	110
MLD3861	5.16	10.65	2.83	0.852	1.17	1.135	0.288	0.0961	1.19	-0.5	54	190	46.3	20	40	72	299	56	-10	130
MLD3862	5.43	8.25	2.89	1.01	1.665	1.145	0.228	0.102	0.89	-0.5	34	110	94.4	69	50	52	300	59	30	130
MLD3906	2.54	0.503	0.465	0.0385	0.0197	0.239	0.0491	0.0311	9.18	-0.5	12	100	2.6	-2	20	-7	9	16	-10	110
MLD3905	2.7	0.724	0.774	0.0394	0.953	0.543	0.262	0.0566	1.61	-0.5	318	90	5	25	40	-7	168	7	-10	190
MLD3904	0.011	0.014	-0.006	-0.0007	0.005	0.024	0.0021	0.0009	-0.28	-0.5	5	100	-0.5	-2	-10	14	3	2	-10	-10
MLD3884	6.62	6.71	2.35	2.34	1.45	0.876	0.1785	0.0901	0.79	-0.5	374	40	2.3	15	70	94	325	78	30	200
MLD3885	3.71	5.25	1.41	0.707	1.525	0.566	0.208	0.0599	-0.8	-0.5	39	20	7.2	-2	30	7	221	77	10	100
MLD3886	3.95	5.01	1.12	0.5	1.435	0.288	0.289	0.039	-0.35	-0.5	40	130	11.9	17	10	-7	361	46	-10	150
MLD3887	3.74	8.04	1.845	0.407	1.155	0.805	0.326	0.0875	-0.24	-0.5	137	150	28.5	242	30	7	546	90	30	110
MLD3888	3.46	6.61	1.455	0.338	1.69	0.651	0.308	0.0694	-0.73	-0.5	183	100	21	192	20	-7	623	69	-10	90
MLD3889	3.03	3.22	1.38	0.1005	3.08	0.586	0.251	0.0698	0.36	0.5	44	70	5.3	43	20	-7	968	129	-10	80
MLD3890	3.88	3.74	1.235	0.106	3.76	0.44	0.1985	0.0521	-0.02	-0.5	5	80	3.8	49	20	-7	1020	200	-10	100
MLD3891	4.33	5.58	1.605	0.509	2.34	0.556	0.391	0.0612	-0.19	-0.5	46	60	11.2	25	20	-7	932	77	-10	150
MLD3892	4.02	6.45	1.71	0.493	2.11	0.42	0.402	0.0528	1.3	-0.5	35	90	12.2	21	20	-7	142	18	-10	110
MLD3893	3.81	4.45	1.48	0.372	2.22	0.399	0.308	0.0487	0.39	-0.5	5	100	33.8	75	-10	-7	166	11	-10	120
MLD3894	2.72	2.59	0.953	0.142	1.985	0.434	0.1725	0.0472	-1.37	-0.5	22	90	4.5	13	20	-7	685	45	-10	130
MLD3895	2.74	3.11	1.325	0.0516	2.7	0.447	0.215	0.0517	-1.35	-0.5	3790	10	7.8	48	70	-7	377	74	-10	60
MLD3896	2.62	3.49	1.49	0.0525	2.78	0.419	0.22	0.0547	-0.37	-0.5	26	10	4.9	36	20	-7	586	59	20	80
MLD3897	1.33	2.64	1.41	0.0453	1.365	0.486	0.35	0.0611	8.37	0.9	303	40	2.5	272	50	-7	2450	83	80	90
MLD3898	2.05	2.28	0.758	0.0271	2.1	0.4	0.117	0.0406	-0.67	-0.5	148	30	2.1	183	20	-7	715	25	20	100
MLD3899	2.31	2.62	1.19	0.0754	2.37	0.565	0.1495	0.0589	0.18	0.7	13300	50	3.7	1275	390	-7	1300	103	10	60
MLD3900	2.48	2.74	1.46	0.029	2.79	0.653	0.1895	0.0642	3.23	-0.5	1260	-10	3.2	214	50	-7	537	39	10	70
MLD3901	3.16	7.76	1.21	0.1655	1.565	0.549	0.219	0.0565	-0.26	-0.5	1165	80	3.8	74	50	-7	504	27	10	100
MLD3902	3.7	8.95	1.47	0.352	0.819	0.776	0.288	0.0713	-0.77	-0.5	963	150	20.7	60	60	7	460	30	-10	110
MLD3903	4.39	10.85	1.695	0.51	0.815	0.945	0.329	0.0839	-0.73	-0.5	3580	270	13.9	54	130	21	742	51	-10	110
MLD3907	5.95	14.75	3.18	0.819	0.642	1.415	0.29	0.1085	0.49	-0.5	357	290	1.6	7	70	140	301	79	20	130
MLD3908	6.32	8.21	2.96	2.21	0.438	1.41	0.145	0.115	1.4	-0.5	63	100	1.5	-2	70	113	136	87	30	70
MLD3909	6.8	5.23	3.33	2.78	0.777	1.645	0.1095	0.115	2	-0.5	12	80	1.4	-2	50	84	122	82	-10	60
MLD3910	6.01	12.7	3.39	0.762	0.58	1.415	0.227	0.105	1.29	-0.5	246	90	1.3	3	70	129	79	78	20	80
MLD3911	5.96	9.98	3.01	1.27	0.915	1.39	0.188	0.1065	1.63	-0.5	58	100	1.4	-2	60	126	298	87	50	60

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD3912	4.99	13.05	2.43	0.468	0.716	1.22	0.284	0.0995	0.55	-0.5	260	270	6.3	13	30	82	550	53	-10	70
MLD3913	5.3	15.2	2.54	0.449	0.502	1.16	0.305	0.0941	1.15	-0.5	192	160	1.6	5	60	119	216	63	50	130
MLD4260	0.039	0.033	-0.006	-0.0007	0.0084	0.013	0.0013	0.0018	0	-0.5	-10	-10	-0.5	-2	-10	-7	-10	-1	-10	-10
MLD4262	3.74	3.24	1.565	0.326	1.255	0.217	0.185	0.0356	5.83	-0.5	20	50	0.9	-2	-10	-7	60	33	-10	-10
MLD4261	1.695	0.034	0.262	0.0914	1.19	0.462	0.0014	0.0152	29.9	1.5	970	20	17.1	18	20	-7	1900	23	-10	-10
MLD4093	3.68	3.24	1.545	0.297	1.24	0.224	0.185	0.0357	6.51	-0.5	15	60	0.8	3	-10	-7	45	34	-10	30
MLD4091	0.395	1.81	0.168	-0.0007	0.0849	0.085	0.0228	0.0075	0.35	-0.5	25	150	-0.5	27	-10	-7	36	6	-10	-10
MLD4092	1.705	0.079	0.296	0.0519	1.22	0.474	0.0113	0.0166	29.2	1.2	637	60	16.8	30	10	-7	1900	26	-10	-10
MLD4257	8.33	4.3	1.845	1.145	2.58	0.481	0.466	0.0673	0.94	-0.5	-10	30	2.6	-2	-10	14	60	72	-10	40
MLD4258	8.36	4.24	2.01	1.18	2.97	0.539	0.362	0.086	1.06	-0.5	-10	50	2.4	-2	-10	21	40	63	-10	20
MLD4259	7.58	3.37	2.39	1.36	2.18	0.96	0.218	0.1145	1.58	-0.5	20	50	2.3	-2	-10	27	70	87	-10	-10
MLD4085	5.36	18.2	2.16	0.728	0.967	0.877	0.286	0.094	6.03	-0.5	266	2140	1.3	7	10	62	180	51	-10	70
MLD4086	1.97	33.3	0.747	0.212	0.16	0.341	0.166	0.0559	26.2	-0.5	267	1860	-0.5	4	-10	14	96	19	-10	40
MLD4087	1.865	34	0.632	0.0982	0.0546	0.385	0.1495	0.0595	26.3	-0.5	305	1620	0.5	4	-10	-7	139	18	-10	50
MLD4088	5.12	18.45	2.19	0.997	1.05	0.88	0.232	0.0848	5.13	-0.5	203	1200	1.2	8	20	41	260	42	-10	70
MLD4089	4.59	12.25	2.31	0.632	0.89	0.94	0.213	0.0913	1.08	-0.5	-1111	420	9.1	46	40	14	491	59	-10	60
MLD4090	3.04	8.68	1.32	0.242	1.095	0.492	0.1775	0.0637	3.73	0.7	-1111	350	6.4	930	90	-7	1260	18	110	100
MLD4094	3.48	8.85	1.545	0.0795	1.44	0.642	0.1715	0.0714	1.73	-0.5	-1111	240	42.6	114	90	14	294	38	-10	60
MLD4095	5.46	16.4	2.8	0.953	0.79	1.18	0.1895	0.103	0.95	-0.5	374	510	1.6	22	30	122	268	70	20	80
MLD4096	5.16	20	2.64	0.291	0.26	1.155	0.241	0.1	0.27	-0.5	199	1130	1.2	18	40	120	674	59	60	110
MLD4097	4.78	20.5	2.89	0.591	0.383	1.19	0.211	0.0989	5.36	-0.5	236	510	1.2	8	20	62	173	60	-10	80
MLD4098	4.73	19.5	2.76	0.754	0.541	1.155	0.1805	0.0996	6.21	-0.5	50	310	0.8	9	20	168	215	53	30	60
MLD4099	5.66	13.7	3.28	1.43	0.721	1.245	0.117	0.1125	1.26	-0.5	50	50	1	-2	30	100	117	67	120	30
MLD4100	6.3	7.8	3.45	1.675	0.762	1.36	0.0897	0.1125	1.69	-0.5	74	40	1.3	7	20	110	115	90	-10	30
MLD4101	6.58	5.92	3.51	1.575	0.974	1.515	0.0858	0.119	2.69	-0.5	60	40	0.9	6	40	112	83	65	20	40
MLD4102	5.94	11.75	2.52	1.355	0.754	1.245	0.173	0.1055	1.52	-0.5	102	820	1.4	11	30	64	241	65	20	50
MLD4103	6.11	7	2.72	1.845	0.985	1.285	0.126	0.102	1.49	-0.5	80	100	2.5	3	10	-7	250	74	-10	50
MLD4104	5.09	9.85	3.01	0.703	1.305	1.18	0.259	0.0953	2.48	-0.5	70	210	4	4	30	-7	340	64	30	60
MLD4105	6.41	6.34	3.45	1.54	0.994	1.42	0.0976	0.11	1.97	-0.5	10	70	1.4	2	30	-7	120	88	-10	40
MLD4106	6.59	10.7	2.88	1.305	1.19	1.5	0.229	0.1145	1.6	-0.5	20	260	2.2	9	50	-7	180	69	60	100
MLD4107	6.14	3.87	1.96	1.73	1.34	1.065	0.1155	0.0951	4.49	-0.5	510	100	2.4	38	20	-7	720	72	-10	40
MLD4108	7.36	2.4	2.72	2.28	1.77	1.405	0.0647	0.1215	3.34	0.6	20	160	2.1	2	30	-7	360	71	-10	10
MLD4263	6.96	2.13	2.44	2.15	1.365	1.29	0.0902	0.124	3.41	-0.5	10	50	1.6	-2	20	20	130	79	-10	10
MLD4264	6.89	2.93	1.965	1.815	1.91	0.893	0.1165	0.0886	2.79	-0.5	10	60	2.3	-2	-10	66	80	139	-10	20
MLD3926	0.164	0.355	0.065	-0.0007	0.0612	0.039	0.018	0.0036	-0.59	-0.5	101	160	1.9	13	-10	-7	88	9	-10	-10
MLD3927	1.69	0.043	0.256	0.0504	1.19	0.467	0.0032	0.0156	31.1	1.3	517	100	14.6	23	20	-7	1975	25	-10	-10
MLD3949	0.617	1.92	0.367	-0.0007	0.0494	0.151	0.0442	0.0116	0.61	-0.5	28	200	-0.5	-2	-10	-7	25	11	-10	-10
MLD3950	2.74	0.789	0.773	0.0357	0.97	0.557	0.255	0.0565	1.79	-0.5	291	70	4.8	31	-10	-7	169	3	-10	180
MLD3951	3.73	3.27	1.55	0.305	1.25	0.222	0.185	0.0341	7	-0.5	13	110	0.8	-2	-10	-7	47	31	-10	10
MLD3928	3.76	3.31	1.57	0.299	1.26	0.225	0.188	0.0352	5.46	-0.5	17	40	1	-2	-10	-7	55	32	-10	20
MLD3914	5.93	10.3	2.56	0.888	1.365	1.155	0.24	0.1025	0.55	-0.5	529	170	26.5	43	70	78	488	75	30	90
MLD3915	5.64	10.6	2.67	0.7	1.04	1.235	0.246	0.104	0.22	-0.5	414	120	33.5	20	50	39	458	60	-10	100
MLD3916	4.45	9.47	1.93	0.605	0.838	0.889	0.343	0.0949	0.14	-0.5	2150	80	55.8	172	70	-7	816	58	-10	120
MLD3917	4.8	7.73	1.95	0.99	0.915	0.941	0.322	0.0868	1.05	-0.5	3030	140	42.5	158	40	33	667	50	-10	140
MLD3918	5.59	11.55	2.13	0.798	0.904	0.797	0.345	0.0789	2.58	-0.5	1610	250	31.4	173	40	-7	323	35	40	120
MLD3919	4.9	5.64	1.93	0.638	0.906	0.89	0.276	0.0881	4.16	-0.5	1145	120	56.1	180	20	21	615	34	-10	120
MLD3920	4.09	3.77	1.39	0.649	1.055	0.648	0.251	0.0785	3.31	-0.5	3870	2330	75.5	256	30	-7	1015	34	-10	120
MLD3921	5.2	8.99	2.36	1.18	1.055	1.18	0.1825	0.0925	0.43	-0.5	2280	140	22.7	112	30	54	903	47	-10	80
MLD3922	4.27	9.32	1.715	0.945	0.807	0.779	0.184	0.084	-0.5	-0.5	3730	1320	21.6	173	20	7	1295	39	-10	90
MLD3923	3.05	7.88	1.31	0.423	0.887	0.592	0.331	0.0838	-0.68	-0.5	5020	4730	51	336	-10	-8	1565	30	-10	120
MLD3924	2.78	1.52	1.2	0.1465	2.12	0.568	0.523	0.0818	-0.99	-0.5	1140	8030	72.3	214	20	-7	93	20	-10	210
MLD3925	5.67	7.76	2.68	1.45	1.145	1.225	0.276	0.101	1.83	-0.5	814	560	36.8	41	20	14	670	67	-10	100
MLD3929	4.66	8.6	2.42	0.74	0.866	0.987	0.319	0.0887	2.1	-0.5	812	2300	35.5	51	30	20	438	52	40	140
MLD3930	4.85	8.13	3.43	0.676	0.651	1.145	0.347	0.106	1.97	-0.5	500	2930	16.9	19	20	48	405	53	-10	160
MLD3931	5.21	13.3	3.01	0.412	0.505	1.17	0.317	0.103	2.77	-0.5	803	550	26.7	46	30	27	491	63	-10	130
MLD3932	5.9	9.06	3.01	1.095	1.21	1.31	0.257	0.1075	1.15	-0.5	823	1070	17.8	70	40	74	351	71	-10	120
MLD3933	4.58	8.85	2.24	0.658	0.621	0.987	0.354	0.0942	1.08	-0.5	1725	3010	26.6	59	10	-7	179	49	-10	190
MLD3934	5	10.7	2.45	0.695	0.708	1.115	0.349	0.0947	2.29	-0.5	484	2280	15.9	25	10	28	146	50	-10	140
MLD3935	5.76	13.6	2.44	0.342	0.398	1.365	0.528	0.11	2.77	-0.5	120	1840	5.6	4	-10	-7	316	59	-10	120
MLD3936	4.5	14.65	2.05	0.305	0.241	0.949	0.514	0.0899	4.53	-0.5	180	5490	2.6	13	10	28	88	41	-10	140
MLD3937	4.91	19.65	2.29	0.437	0.254	1.015	0.49	0.0844	7	-0.5	223	2970	2.4	7	30	41	80	48	20	120
MLD3938	6.23	12.15	3.36	1.885	0.754	1.425	0.1745	0.1095	4.19	-0.5	15	780	1.3	-2	40	124	132	75	-10	110
MLD3939	6.6	11.4	3.71	1.645	0.694	1.51	0.255	0.1115	1.96	-0.5	32	40	1.2	-2	50	143	148	84	10	160
MLD3940	5.15	16.7	2.95	0.385	0.459	1.145	0.39	0.093	3.68	-0.5	339	2870	1.7	10	30	118	354	73	-10	130

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD3941	4.29	15.15	2.38	0.483	0.451	0.911	0.315	0.0893	8.27	-0.5	564	1360	3.2	162	-10	15	216	59	-10	100
MLD3942	4.06	14.3	2.04	0.39	0.341	0.93	0.389	0.0829	6.53	-0.5	533	4850	2.2	128	20	69	201	66	-10	130
MLD3943	3.83	15.85	2.03	0.1275	0.109	0.843	0.535	0.0799	7.09	-0.5	344	7760	2.7	10	-10	7	89	37	-10	130
MLD3944	4.57	15.75	2.09	0.518	0.297	0.975	0.47	0.0812	5.98	-0.5	246	5150	2.6	9	-10	50	154	44	-10	120
MLD3945	3.59	17.2	2.01	0.226	0.22	0.798	0.485	0.0664	10.2	-0.5	136	8720	4.7	-2	10	50	78	30	-10	80
MLD3946	5.48	17.85	3.22	0.323	0.365	1.25	0.4	0.0943	3.5	-0.5	291	1350	2.5	4	30	156	110	83	10	100
MLD3947	5.38	16.45	2.13	0.213	0.391	1.27	0.487	0.0943	2.61	-0.5	599	2480	2.4	47	50	116	186	89	-10	110
MLD3948	6.13	14.5	2.86	0.61	0.832	1.44	0.321	0.1025	2.05	-0.5	188	930	4.6	5	40	166	473	91	-10	160
MLD3952	6.77	7.54	3.97	2.43	0.583	1.505	0.168	0.1095	2.3	-0.5	113	190	10.2	15	40	164	213	90	-10	110
MLD3953	6.74	7.27	4.54	2.62	0.601	1.595	0.187	0.117	1.33	-0.5	72	180	4.1	5	50	226	143	92	10	110
MLD3954	5.28	8.49	3.41	1.455	0.619	1.185	0.277	0.0914	0.85	-0.5	645	4320	14.5	50	40	130	247	68	-10	140
MLD3955	4.23	12.25	2.4	0.444	0.402	0.876	0.41	0.0796	3.01	-0.5	425	5860	14.2	26	20	68	222	58	20	150
MLD3956	3.14	34.8	1.6	0.1395	0.0387	0.655	0.31	0.072	7.81	-0.5	305	2460	2.6	2	10	-8	238	29	-10	90
MLD3957	4.42	23	2.6	0.299	0.286	0.906	0.277	0.0854	11.65	-0.5	54	650	0.7	-2	10	34	139	48	-10	130
MLD3958	4.68	22.8	2.69	0.241	0.201	0.951	0.308	0.0876	7.64	-0.5	124	1410	7.9	18	10	56	334	53	-10	390
MLD3959	2.68	25.3	0.877	0.0826	0.0435	0.41	0.344	0.0564	13.4	-0.5	101	6860	11.8	16	-10	-7	150	23	-10	80
MLD3960	3.17	26.2	1.595	0.1175	0.0569	0.612	0.362	0.0652	14.7	-0.5	180	4610	4.1	6	20	2500	180	26	40	250
MLD4000	3.04	27.8	1.595	0.204	0.297	0.662	0.232	0.0659	16.95	-0.5	144	9340	2.3	-2	10	7	195	33	-10	110
MLD4001	2.57	30.2	1.145	0.0568	0.0025	0.49	0.242	0.0534	18.75	-0.5	258	7700	7.8	7	-10	-7	64	20	-10	20
MLD4002	5.64	9.78	3.68	1.155	0.465	1.045	0.31	0.101	4.96	-0.5	206	1060	26.9	14	-10	7	93	56	-10	120
MLD3982	3.39	1.56	1.795	0.1135	3.13	0.852	0.1755	0.0739	2.08	-0.5	1190	60	15.5	58	-10	-7	544	26	-10	70
MLD3981	0.027	0.06	-0.006	-0.0007	0.0205	0.011	-0.0008	-0.0004	-0.02	-0.5	55	90	-0.5	4	-10	86	8	1	-10	-10
MLD3983	2.53	0.496	0.476	0.016	0.0162	0.246	0.0498	0.0308	9.34	-0.5	20	120	2.5	2	-10	-7	10	13	-10	80
MLD3961	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3962	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3963	4.15	12.85	1.47	0.0491	1.61	0.66	0.265	0.0712	2.04	-0.5	72	140	20.3	57	-10	21	417	38	20	110
MLD3964	2.18	5.41	1.045	0.0366	1.51	0.388	0.204	0.0522	7.29	0.9	73	30	8.3	663	-10	-7	1050	33	10	40
MLD3965	1.97	2.94	1.235	0.0255	1.39	0.382	0.262	0.0463	12.8	1.6	53	20	6.3	935	-10	-7	1360	26	-10	20
MLD3966	1.96	2.09	1.14	0.0181	1.575	0.38	0.27	0.0457	11	1.3	20	40	144	211	-10	-7	1320	16	-10	20
MLD3967	1.955	1.505	1.09	0.0135	1.67	0.391	0.1815	0.0486	10.35	0.6	23	40	23.1	20	-10	-7	1880	15	-10	10
MLD3968	2.54	3.95	1.285	0.0207	2.01	0.43	0.281	0.0534	7.72	-0.5	93	40	6.6	13	-10	-7	1410	25	-10	20
MLD3969	2.91	5.08	1.245	0.0267	2.06	0.572	0.23	0.0684	6.56	0.6	3150	60	5	8	50	-7	1150	26	-10	20
MLD3970	1.96	2.43	0.949	0.0352	1.88	0.377	0.106	0.045	5.44	-0.5	36600	50	5.8	202	390	-7	275	59	-10	30
MLD3971	1.865	2.73	1.145	0.067	2	0.348	0.121	0.0445	10.5	-0.5	76600	70	143.5	250	560	-7	322	40	-10	20
MLD3972	1.895	2.87	0.792	0.0184	2.02	0.448	0.0811	0.0507	1.85	-0.5	12400	70	7.1	49	10	-7	273	2	-10	-10
MLD3973	1.95	3.01	0.688	0.0828	1.725	0.42	0.1455	0.0462	0.27	-0.5	24500	80	8.1	290	250	-7	341	16	-10	60
MLD3974	2.35	3.4	1.1	0.1125	2.15	0.618	0.1905	0.0606	1.32	-0.5	36700	90	10.4	228	320	-7	613	28	-10	60
MLD3975	4.13	5.43	1.755	0.338	2.69	0.979	0.253	0.0841	-0.58	-0.5	9610	130	11.6	282	220	14	519	55	-10	70
MLD3976	4.97	6.42	1.985	0.511	2.5	1.245	0.287	0.0963	-0.22	-0.5	2010	100	9	117	40	14	506	31	30	100
MLD3977	4.93	5.22	1.95	0.255	4.05	1.025	0.239	0.0836	-0.44	0.5	1650	90	6	391	20	-7	587	18	-10	70
MLD3978	4.59	6.81	1.745	0.278	3.06	1.11	0.245	0.0913	2.29	-0.5	6530	90	50.5	130	140	14	946	31	20	70
MLD3979	3.28	4.54	1.595	0.247	2.38	0.76	0.1835	0.075	-0.91	-0.5	2920	10	10.3	281	50	-7	707	36	-10	50
MLD3980	3.83	4.07	1.55	0.182	3.25	0.79	0.195	0.0761	-0.85	0.8	2290	30	14.6	454	40	-7	744	33	-10	60
MLD3984	3.32	4.13	1.465	0.0859	3.17	0.589	0.229	0.0659	-1.28	1.5	5440	150	8.9	222	70	-7	1330	24	-10	10
MLD3985	4.9	12.4	1.725	0.426	0.839	0.83	0.344	0.0747	-0.41	-0.5	3240	400	11.2	49	80	34	475	37	-10	70
MLD3986	3.52	7.8	1.605	0.399	1.205	0.503	0.281	0.0581	-1.51	-0.5	3360	320	14.5	641	50	-7	1100	30	-10	80
MLD3987	5.46	10.65	2.74	0.415	1.36	1.23	0.242	0.1035	0.43	-0.5	1630	440	6.5	170	50	72	828	63	-10	120
MLD3988	4.94	14.3	1.85	0.316	0.833	0.835	0.365	0.0751	-0.33	-0.5	2820	410	9.9	76	60	167	555	36	30	90
MLD3989	3.03	6.74	1.275	0.32	0.723	0.631	0.264	0.0612	-0.7	-0.5	12750	60	14.3	340	250	14	564	38	-10	90
MLD3990	5.11	15.2	2.62	0.351	0.652	1.18	0.369	0.0959	0.52	-0.5	2210	440	5.6	56	60	87	526	47	-10	90
MLD3991	5.03	21.6	2.34	0.1495	0.354	1.15	0.307	0.094	3.5	-0.5	262	850	1	8	30	108	276	52	40	60
MLD3992	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3993	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3994	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3995	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3996	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3997	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3998	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD3999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4046	1.73	0.036	0.263	0.043	1.22	0.474	0.003	0.0152	29.4	1.6	790	30	18.2	23	40	-7	2130	26	-10	-10
MLD4045	0.188	0.369	0.064	-0.0007	0.0573	0.036	0.013	0.0035	0	-0.5	5	10	-0.5	5	-10	-7	12	5	-10	-10
MLD4068	0.235	0.512	0.089	-0.0007	0.0759	0.042	0.0217	0.0052	0.01	-0.5	42	20	2.1	23	-10	-7	31	4	-10	-10
MLD4069	2.72	0.782	0.774	0.0349	0.943	0.553	0.257	0.0562	1.5	-0.5	335	50	5.5	34	40	-7	173	6	70	200
MLD4047	0.385	0.88	1.205	0.535	0.496	0.012	0.0395	0.108	0.64	-0.5	7	10	1.6	-2	10	-7	31	1	-10	40

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4070	3.68	3.27	1.535	0.297	1.21	0.222	0.1865	0.0359	6.84	-0.5	8	60	0.8	-2	20	1110	43	33	-10	20
MLD4040	6.33	7.33	2.55	1.925	0.904	1.28	0.1315	0.128	1.97	-0.5	16	20	1.6	-2	60	133	99	99	-10	40
MLD4041	6.75	7.68	2.4	1.815	1.68	0.982	0.1515	0.1025	2.07	-0.5	20	30	1.3	5	50	80	82	82	30	40
MLD4042	6.27	8.91	2.2	1.915	1.915	0.864	0.171	0.0804	0.41	1.6	131	40	5.8	45	30	48	139	63	-10	10
MLD4043	4.79	10.5	1.845	0.455	1.25	0.678	0.355	0.0719	0.84	-0.5	609	20	134.5	72	30	34	388	44	-10	140
MLD4044	4.98	10.6	2.18	0.451	1.485	0.951	0.315	0.0936	0.43	-0.5	534	10	69.8	27	30	33	558	66	10	130
MLD4048	4.42	7.5	1.455	0.401	1.83	0.691	0.296	0.0688	-0.1	-0.5	177	140	129.5	22	20	-7	335	62	-10	140
MLD4049	3.02	6.35	2.1	0.316	1.645	0.456	0.355	0.0802	-0.58	-0.5	240	50	65.5	39	10	-7	644	56	-10	70
MLD4050	2.23	3.21	1.245	0.0843	2.09	0.327	0.233	0.0809	-0.29	0.5	585	50	41	93	10	-7	1300	36	-10	70
MLD4051	5.52	5.76	1.175	0.498	2.85	0.578	0.274	0.0568	0.23	-0.5	94	20	134.5	49	10	-7	404	33	-10	110
MLD4052	4.98	3.16	1.07	0.202	4.13	0.492	0.202	0.046	0.94	-0.5	127	20	83.9	82	-10	-7	395	18	-10	90
MLD4053	5.52	6.31	1.155	0.512	2.55	0.56	0.272	0.0601	0.35	-0.5	772	30	144	56	20	-7	377	92	-10	130
MLD4054	4.91	6.83	1.06	0.477	2.3	0.537	0.257	0.062	-0.62	-0.5	550	40	111.5	128	20	-7	775	185	10	110
MLD4055	4.73	6.61	1.275	0.49	2.04	0.712	0.253	0.0617	0.17	-0.5	160	60	109.5	52	20	14	388	71	-10	120
MLD4056	4.75	5.99	1.035	0.401	2.42	0.603	0.225	0.0576	0.89	-0.5	153	50	148	47	-10	-7	274	34	-10	80
MLD4057	4.58	6.71	1.2	0.483	1.99	0.712	0.262	0.0631	0.38	-0.5	174	80	109	102	20	-7	227	19	-10	120
MLD4058	4.47	7.32	1.55	0.499	1.62	0.862	0.273	0.0727	0.39	0.5	90	150	57.5	21	20	-7	145	20	10	140
MLD4059	4.63	6.96	1.49	0.481	1.73	0.841	0.271	0.0774	0.34	-0.5	90	170	73.1	57	30	-7	188	18	40	140
MLD4060	3.61	4.33	0.964	0.181	2.45	0.523	0.197	0.0573	0.94	-0.5	106	60	32.7	91	20	-7	271	14	10	110
MLD4061	4.67	5.96	1.47	0.435	2.47	0.839	0.269	0.0798	-1.11	-0.5	115	90	34.5	57	-10	90	611	44	-10	90
MLD4062	4.98	5.78	1.41	0.476	2.57	0.763	0.303	0.0758	0.18	-0.5	138	80	51.9	29	20	-7	478	54	40	150
MLD4063	4.76	7.39	1.625	0.481	2.3	0.804	0.311	0.0792	0.68	-0.5	27	110	36.9	34	20	-7	361	35	-10	110
MLD4064	4.58	8.55	1.825	0.678	1.44	0.893	0.321	0.0796	0.54	-0.5	188	130	41.7	44	20	14	367	32	-10	100
MLD4065	2.79	6.98	1.35	0.308	0.91	0.641	0.258	0.0672	-0.25	-0.5	798	190	29.3	273	20	-7	268	39	-10	110
MLD4066	4.81	10.75	1.98	0.546	1.02	0.986	0.335	0.0869	0.86	-0.5	147	470	22	28	40	33	206	44	10	210
MLD4067	5.05	13.2	2.57	0.781	0.755	1.195	0.296	0.102	0.3	-0.5	141	450	12.5	13	40	73	451	56	10	120
MLD4071	3.61	7.28	1.395	0.394	1.515	0.672	0.256	0.0694	1.23	-0.5	18	70	20.2	11	30	-7	1240	32	-10	80
MLD4072	4.18	8.42	1.86	0.404	1.46	0.898	0.281	0.0846	1.59	-0.5	46	140	18.5	11	10	-7	485	43	-10	70
MLD4073	5.25	11.8	2.79	0.963	0.921	1.255	0.255	0.102	1.4	-0.5	1080	190	10.3	30	70	86	310	64	40	130
MLD4074	5.52	16.3	2.77	0.403	0.56	1.3	0.31	0.1075	0.87	-0.5	274	740	3.4	11	40	74	204	63	40	160
MLD4075	5.94	12.5	3.1	0.647	0.812	1.425	0.27	0.112	1.09	-0.5	89	140	5.5	16	60	133	112	75	10	160
MLD4076	6.56	9.03	3.38	1.75	0.75	1.6	0.15	0.1215	1.84	-0.5	119	80	1.7	9	70	160	116	92	30	100
MLD4077	6.55	7.13	3.03	2.23	0.736	1.585	0.129	0.1175	1.26	-0.5	33	90	1.5	3	60	113	155	85	40	60
MLD4078	6.51	6.09	3.2	2.1	0.799	1.695	0.144	0.1135	1.74	-0.5	18	70	1.3	2	60	116	149	74	-10	100
MLD4079	6.47	5.26	3.48	2.2	0.912	1.715	0.1045	0.118	1.82	-0.5	39	70	1.3	11	50	110	127	80	-10	50
MLD4080	6.48	5.11	3	2.17	0.666	1.475	0.117	0.109	2.06	-0.5	61	100	1.5	-2	60	102	220	81	-10	70
MLD4081	4.85	16.8	2.02	0.328	0.232	1.245	0.249	0.094	0.82	-0.5	499	780	5.5	21	60	84	564	54	60	200
MLD4082	5.85	14.6	2.37	1.065	0.664	1.28	0.255	0.1055	0.67	-0.5	117	280	1.7	4	50	64	114	35	70	100
MLD4083	6.24	8.99	2.18	1.335	1.205	1.325	0.262	0.107	1.64	-0.5	49	630	1.4	8	40	88	179	81	110	670
MLD4084	7.28	2.47	2.01	1.19	2.49	0.842	0.0841	0.0982	1.73	-0.5	25	50	2.3	-2	20	52	135	101	-10	70
MLD4023	2.73	0.731	0.767	0.0365	0.968	0.549	0.253	0.0563	2.06	-0.5	333	60	5.2	31	30	-7	165	11	-10	180
MLD4024	3.7	3.25	1.535	0.298	1.235	0.217	0.183	0.0341	7.37	-0.5	10	60	0.9	-2	20	-7	43	35	-10	10
MLD4022	0.342	0.639	0.047	-0.0007	0.0266	0.08	0.021	0.0081	0.25	-0.5	17	80	-0.5	3	-10	-7	31	6	-10	-10
MLD4003	6.77	7.25	2.54	2.97	0.508	1.445	0.1725	0.118	2.9	-0.5	205	20	2.9	8	100	62	315	92	90	1700
MLD4004	6.03	10.3	2.3	1.905	0.431	1.21	0.267	0.102	1.56	-0.5	205	120	1.8	-2	70	25	272	79	20	4500
MLD4005	6.47	7.05	2.69	2.46	0.973	1.29	0.208	0.1045	1.42	-0.5	49	100	1.4	5	50	104	126	79	10	420
MLD4006	5.6	16.2	2.59	0.793	0.261	1.19	0.37	0.106	0.2	-0.5	234	530	1.1	2	70	86	333	67	50	150
MLD4007	5.34	15.45	2.57	0.799	0.245	1.14	0.31	0.0982	0.78	-0.5	218	960	1.2	6	80	96	624	90	80	140
MLD4008	5.69	15.05	2.62	0.829	0.59	1.325	0.26	0.104	1.88	-0.5	361	1240	1.6	10	60	93	512	75	20	180
MLD4009	4.62	24.7	1.615	0.1205	0.0467	1.025	0.286	0.1095	6.24	-0.5	261	1730	1.2	12	70	48	392	59	20	350
MLD4010	4.75	21.6	1.94	0.769	0.444	0.928	0.243	0.0844	6.98	-0.5	168	1180	1.1	7	50	67	303	53	40	80
MLD4011	4.76	23	1.74	0.452	0.274	0.912	0.286	0.0864	7.64	-0.5	188	1540	1.2	8	40	35	273	56	-10	260
MLD4012	5.26	23.8	1.58	0.076	0.0414	0.788	0.437	0.0762	1.98	-0.5	243	1460	1.6	12	40	14	135	31	20	110
MLD4013	6.53	17.75	0.911	0.225	0.1665	1.365	0.433	0.1165	5.52	-0.5	316	930	2.2	15	60	83	435	51	30	420
MLD4014	8.45	13	0.293	0.051	0.0623	1.67	0.506	0.161	5.83	-0.5	154	180	1.5	13	50	90	632	63	90	700
MLD4015	9.6	7.03	0.255	0.0341	0.1055	1.625	1.175	0.1615	9.41	0.5	322	140	2.5	10	60	49	591	112	-10	870
MLD4016	10.35	3.66	1.09	0.0963	0.847	1.815	0.395	0.1605	10.05	-0.5	285	270	1.8	5	70	100	732	66	-10	1360
MLD4017	7.83	6.87	0.319	0.0301	0.359	1.495	1.105	0.0817	8.42	0.7	342	270	1.8	9	80	83	790	128	30	800
MLD4018	7.15	17.25	0.775	0.0484	0.128	1.425	0.604	0.1335	3.35	-0.5	318	1840	1.5	9	80	89	571	63	10	410
MLD4019	7.4	15.85	1.08	0.1335	0.516	1.62	0.399	0.171	4.15	-0.5	338	1330	1	8	70	132	472	64	10	250
MLD4020	5.94	18.75	2.68	0.241	0.337	1.45	0.296	0.1305	3.97	-0.5	309	2070	1	8	60	89	499	70	10	210
MLD4021	5.59	20.8	2.52	0.255	0.214	1.365	0.355	0.1105	3.94	-0.5	417	2720	0.8	6	60	74	334	56	50	120
MLD4025	5.66	24.1	2.2	0.0916	0.0789	1.305	0.38	0.1155	4.23	-0.5	721	3370	1	14	60	82	194	54	80	100
MLD4026	5.46	24.1	2.27	0.093	0.0624	1.055	0.452	0.0904	4.45	-0.5	680	3010	1	10	60	69	38	41	30	80

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4027	5.14	23.3	2.65	0.1035	0.0834	1.165	0.402	0.0919	4.12	-0.5	961	2800	0.8	10	60	70	99	72	10	80
MLD4028	6.62	16.15	3.46	0.515	0.242	1.485	0.295	0.117	1.33	-0.5	755	920	0.8	5	80	142	133	88	70	140
MLD4029	6.68	13.6	3.63	1.01	0.269	1.565	0.259	0.1145	1.14	-0.5	387	450	1	-2	70	182	111	95	30	140
MLD4030	4.28	25.3	2.22	0.145	0.012	0.824	0.437	0.0696	7.36	-0.5	536	970	0.6	6	60	75	106	43	50	50
MLD4031	5.17	21.5	3.16	0.248	0.1685	1.12	0.32	0.0986	4.08	-0.5	317	2200	0.8	6	50	110	371	70	10	140
MLD4032	6.03	14.7	3.57	1.42	0.342	1.39	0.281	0.1085	1.71	-0.5	84	760	0.9	4	60	168	230	88	30	130
MLD4033	5.71	14.15	3.35	2.3	0.457	1.335	0.147	0.0999	6.52	-0.5	24	100	0.8	2	60	163	102	90	10	70
MLD4034	4.11	21.5	2.15	1.905	0.292	0.889	0.095	0.0752	17.8	-0.5	10	80	0.6	-2	40	62	77	55	-10	20
MLD4035	3.32	25.1	1.66	1.66	0.1915	0.707	0.0684	0.0652	21.8	-0.5	10	20	0.5	-2	30	63	60	43	-10	-10
MLD4036	3.52	24.2	1.72	1.765	0.195	0.744	0.0757	0.0734	20.5	-0.5	12	10	0.5	-2	30	34	62	42	-10	10
MLD4037	3.54	24.1	1.785	1.79	0.221	0.771	0.0694	0.0702	19.9	-0.5	-5	20	0.5	-2	40	48	62	47	-10	-10
MLD4038	2.62	27.7	1.24	1.53	0.1645	0.526	0.0539	0.0516	24.7	-0.5	-5	40	-0.5	-2	20	-7	45	33	-10	-10
MLD4039	3.9	22.3	2.02	1.965	0.242	0.864	0.0759	0.0743	18.45	-0.5	6	30	0.6	-2	40	62	73	65	-10	10
MLD4115	2.73	0.736	0.765	0.0831	0.945	0.544	0.253	0.057	1.8	-0.5	390	30	5.9	35	-10	-7	230	6	-10	160
MLD4114	0.058	0.092	0.028	-0.0007	0.0119	0.018	0.0076	0.0013	-0.08	-0.5	-10	240	-0.5	-2	-10	-7	-10	3	-10	-10
MLD4116	3.68	3.18	1.54	0.305	1.225	0.211	0.181	0.0347	6.88	-0.5	20	190	0.8	-2	-10	-7	70	30	-10	20
MLD4109	6.01	10.9	2.92	1.02	0.263	1.35	0.245	0.1115	0.46	-0.5	90	150	5.2	19	50	13	270	93	30	100
MLD4110	5.32	10.3	2.29	1.095	0.664	1.02	0.269	0.0943	0.11	0.6	330	250	32.9	96	40	-7	470	68	30	140
MLD4111	6.05	8.71	2.94	1.29	0.869	1.3	0.207	0.1035	1.3	-0.5	540	230	13.8	52	30	-7	360	72	-10	110
MLD4112	5.38	12.2	2.5	0.879	0.479	1.13	0.283	0.0979	0.39	-0.5	420	410	15.7	35	40	-7	540	60	40	130
MLD4113	3.53	6.89	1.51	0.518	0.619	0.713	0.308	0.0876	-0.38	-0.5	1380	3720	40.4	153	40	-7	880	35	-10	170
MLD4117	4.75	7.05	2.04	1.06	0.867	0.939	0.265	0.086	0.36	-0.5	2150	260	26.6	133	110	-7	590	49	-10	150
MLD4118	3.78	14.35	1.56	0.382	0.229	0.748	0.404	0.0796	1.66	-0.5	970	2070	9.9	139	40	-7	490	40	40	150
MLD4119	5.12	17.45	1.925	0.856	0.309	0.941	0.449	0.084	1.29	-0.5	400	530	1.3	4	50	-7	440	59	70	120
MLD4120	5.33	20.2	1.805	0.775	0.346	0.869	0.396	0.081	4.94	-0.5	330	610	2.2	7	10	-7	170	35	-10	100
MLD4121	3.9	25	1.525	0.423	0.177	0.818	0.239	0.0832	11.35	-0.5	80	920	1	4	10	-7	260	33	-10	140
MLD4122	3.85	26.4	1.515	0.322	0.087	0.854	0.201	0.0804	10.85	-0.5	80	1210	0.8	8	30	-7	270	44	30	450
MLD4572	3.47	27	1.445	0.183	0.0965	0.67	0.391	0.0647	14	-0.5	360	2020	1.4	8	50	-7	310	32	100	100
MLD4573	3.29	27.7	1.365	0.174	0.0739	0.674	0.327	0.067	15.1	-0.5	110	890	0.6	2	30	-7	370	27	40	360
MLD4574	5.46	17.85	2.6	0.841	0.432	1.22	0.313	0.0941	2.48	-0.5	80	530	0.9	3	50	48	290	57	60	170
MLD4575	5.28	19.35	2.86	0.319	0.239	1.19	0.314	0.0939	5.12	-0.5	150	1100	0.9	6	60	54	360	50	100	150
MLD4576	5.87	17.7	3.08	0.451	0.403	1.37	0.35	0.1045	1.88	-0.5	170	1190	1	10	60	67	370	74	90	180
MLD4577	4.84	24.1	2.16	0.094	0.0367	1.045	0.356	0.0864	7.56	-0.5	140	1430	0.8	6	50	34	200	48	70	130
MLD4578	5.02	24.2	2.22	0.0623	0.0184	1.135	0.335	0.0918	5.85	-0.5	240	2770	0.8	8	40	41	210	52	70	190
MLD4579	5.26	23.6	2.34	0.0699	0.0474	1.235	0.333	0.0958	4.9	-0.5	160	2010	0.9	9	60	62	280	64	110	180
MLD4580	5.93	16.7	2.82	1.08	0.475	1.245	0.262	0.0954	3.47	-0.5	80	960	0.9	3	40	56	120	67	10	120
MLD4123	4.41	23.1	2.35	0.353	0.0995	0.807	0.368	0.0772	7.62	-0.5	580	3140	1.1	3	30	-7	200	49	30	70
MLD4124	3.54	23	2.13	0.176	0.0628	0.64	0.447	0.0761	6.95	0.5	480	2270	0.9	3	30	-7	620	45	60	100
MLD4125	3.64	27.6	2.15	0.112	0.0134	0.751	0.31	0.0712	13.1	0.6	690	4640	1.5	10	20	-7	310	84	10	250
MLD4126	3.33	29.8	1.54	0.124	0.0024	0.66	0.296	0.0637	15.5	0.6	970	4310	1.1	6	40	-7	350	30	60	610
MLD4127	3.62	28.6	1.8	0.156	0.0397	0.783	0.294	0.0716	16.45	-0.5	490	2230	0.7	6	30	48	140	44	40	50
MLD4128	4.04	28.8	1.97	0.107	0.0115	0.888	0.344	0.0803	13.25	-0.5	990	4040	0.7	6	40	75	130	47	70	60
MLD4129	4.16	25.3	2.16	0.262	0.1765	0.89	0.336	0.0795	12	-0.5	380	1370	0.9	-2	10	56	180	58	-10	140
MLD4138	3.23	1.52	1.74	0.164	2.97	0.807	0.171	0.0705	3.16	-0.5	840	110	14.4	43	-10	-7	590	28	-10	90
MLD4137	0.049	0.188	0.025	-0.0007	0.0163	0.024	0.0046	0.0014	0.07	-0.5	-10	200	-0.5	-2	-10	34	20	5	-10	-10
MLD4139	3.7	3.22	1.56	0.299	1.24	0.216	0.182	0.0339	6.95	-0.5	20	140	0.9	2	-10	-7	80	30	-10	10
MLD4130	1.95	28.5	0.955	0.429	0.637	0.398	0.0813	0.051	29.7	-0.5	20	10	1.2	37	-10	-7	40	15	-10	-10
MLD4131	3.24	16.9	1.42	0.261	1.485	0.713	0.1135	0.0678	19.75	0.5	80	30	20.7	44	-10	-7	350	27	-10	20
MLD4132	3.34	5.49	1.435	0.0815	1.76	0.652	0.105	0.0682	13.4	0.6	220	60	15.1	111	-10	-7	220	42	-10	-10
MLD4133	3.41	9.63	1.7	0.0923	1.7	0.816	0.1365	0.0754	5.11	0.6	260	220	23.8	9	10	-7	240	54	20	70
MLD4134	4.57	22.8	2.38	0.213	0.316	0.962	0.26	0.0957	6.17	-0.5	330	700	1.4	8	20	62	130	39	30	70
MLD4135	4.16	15	1.695	0.1495	1.28	0.733	0.222	0.071	5.38	-0.5	110	300	22.7	6	10	-7	700	31	10	90
MLD4136	3.58	5.98	1.495	0.0854	3.26	0.653	0.146	0.0728	4.28	1.2	250	130	29.8	209	-10	-7	1170	21	-10	80
MLD4140	2.91	4.47	1.045	0.079	1.95	0.559	0.1775	0.0684	8.55	13.2	260	150	16.1	28	-10	-7	14550	18	-10	140
MLD4141	2.81	6.64	1.14	0.0318	2.06	0.491	0.26	0.0585	11.75	1	190	180	28.3	14	-10	-7	520	14	-10	10
MLD4142	5.18	18.85	1.955	0.0894	1	0.885	0.303	0.0872	5.59	-0.5	350	1340	3.1	19	10	27	270	35	-10	100
MLD4143	3.04	6.69	1.275	0.1155	2.2	0.588	0.218	0.0604	2	1.1	290	220	7.6	1040	-10	-7	1140	46	-10	40
MLD4144	3.12	4.48	1.39	0.0711	3.13	0.615	0.1975	0.0763	3.86	1.3	110	190	5.5	304	-10	-7	1400	23	-10	50
MLD4145	2.25	3.05	1.135	0.0765	1.625	0.424	0.283	0.0474	11.65	1.8	70	220	9	347	-10	-7	1660	7	-10	30
MLD4146	2.6	3.31	1.11	0.065	1.745	0.491	0.222	0.0563	15.2	1.1	230	30	7.9	88	-10	-7	570	11	-10	-10
MLD4147	1.945	2.48	1.06	0.0704	1.395	0.325	0.573	0.0448	13.15	1.3	60	20	16.1	210	-10	-7	620	2	-10	60
MLD4148	2.36	3.24	1.135	0.0499	1.855	0.422	0.497	0.056	16.75	1.2	90	40	18.5	276	-10	-7	1030	9	-10	120
MLD4149	2.16	4.86	1	0.0855	1.53	0.408	0.355	0.0537	13.65	1.6	200	60	15.7	699	-10	-7	1660	10	-10	-10
MLD4150	2.76	3.94	1.135	0.0808	2.12	0.586	0.1765	0.0559	11.4	1.6	660	70	3.7	1540	-10	-7	1780	20	40	50

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4151	2.66	5.23	1.13	0.054	2.35	0.56	0.152	0.0567	6.86	1.6	460	110	12.4	477	-10	-7	1540	20	-10	40
MLD4152	2.47	5.78	1.2	0.104	2.52	0.576	0.279	0.0597	8.64	1.7	550	80	5.9	281	-10	-7	1560	13	-10	40
MLD4153	2.85	4.12	1.315	0.0563	3.02	0.67	0.1795	0.0628	6.32	1.1	280	80	8.2	17	-10	-7	820	14	30	60
MLD4154	2.77	3.26	1.17	0.0456	2.61	0.549	0.23	0.0582	12.6	3.4	350	110	8.4	70	-10	-7	3490	14	-10	20
MLD4155	3.29	6.25	1.305	0.0798	3.34	0.706	0.1575	0.0623	10	2	130	90	6.5	72	-10	-7	2270	6	-10	50
MLD4156	3.67	7.04	1.495	0.0493	2.94	0.752	0.15	0.078	8.84	0.6	110	130	9.3	126	-10	-7	520	18	-10	20
MLD4157	4.45	19.4	1.73	0.286	1.03	0.767	0.283	0.0736	8.8	-0.5	290	350	5.4	40	30	27	550	36	50	40
MLD4158	4.96	19.3	2.77	0.542	0.39	1.22	0.302	0.0953	3.75	-0.5	70	450	1.2	2	30	107	420	63	80	90
MLD4569	3.59	3.19	1.485	0.31	1.215	0.215	0.1775	0.0372	7.16	-0.5	-10	50	0.9	-2	20	48	90	32	50	20
MLD4568	2.7	0.753	0.764	0.0855	0.94	0.547	0.243	0.0583	1.68	-0.5	350	50	5.1	33	20	-7	260	5	10	190
MLD4567	0.431	0.639	0.234	0.0658	0.0478	0.102	0.0139	0.0147	0.07	-0.5	-10	10	-0.5	-2	-10	14	10	34	60	-10
MLD4551	6.37	9	2.62	2.17	0.607	1.54	0.205	0.1095	0.7	-0.5	60	40	1.5	-2	50	267	90	103	40	70
MLD4552	6.67	8.94	2.62	2.39	0.463	1.455	0.1795	0.1105	0.7	-0.5	80	30	1.6	-2	20	210	30	96	-10	40
MLD4553	6.8	7.11	2.73	2.08	0.914	1.145	0.172	0.108	1.66	-0.5	40	20	2	-2	60	158	120	91	130	80
MLD4554	6.45	9.67	2.99	1.555	0.876	1.255	0.225	0.119	1.01	-0.5	20	70	1.3	-2	50	148	110	71	80	100
MLD4555	5.79	12.7	2.84	0.96	0.55	1.165	0.26	0.1055	2.12	-0.5	130	100	1.2	-2	50	140	130	72	90	130
MLD4556	5.95	11.05	2.64	1.765	0.551	1.17	0.22	0.0975	1.89	-0.5	130	260	1.6	-2	60	126	180	82	100	110
MLD4557	7.07	3.8	3.16	2.92	0.795	1.355	0.1265	0.1175	3.19	-0.5	20	30	2.2	-2	50	204	260	168	-10	40
MLD4558	7.13	4.01	3.3	2.94	1.25	1.365	0.134	0.124	2.3	-0.5	20	40	2.1	-2	30	140	80	96	-10	30
MLD4559	6.98	3.98	4.05	2.49	0.892	1.48	0.1295	0.124	2.66	0.5	30	60	2.7	-2	50	216	60	134	-10	50
MLD4560	7.05	4.1	2.9	2.46	1.2	1.24	0.1315	0.1225	2.73	-0.5	10	70	3.1	-2	80	137	200	108	120	70
MLD4561	7.16	4.07	3.7	2.17	1.84	1.33	0.105	0.1295	2.16	-0.5	20	70	3.2	-2	50	222	90	139	80	50
MLD4562	6.23	5.68	6.03	1.095	2.11	1.165	0.0962	0.116	2.38	-0.5	50	80	2.8	-2	50	462	90	352	-10	40
MLD4563	6.61	4.99	5.46	1.725	2.01	1.3	0.0817	0.125	2.19	-0.5	80	70	8.8	2	30	423	100	296	-10	20
MLD4564	6.23	9.59	3.35	1.46	0.623	1.335	0.158	0.143	1.39	-0.5	-10	20	2.8	-2	50	244	140	133	80	50
MLD4565	6.32	9.61	2.24	1.305	0.821	1.285	0.205	0.194	1.22	-0.5	20	20	3.1	-2	60	110	140	65	100	80
MLD4566	6.44	5.63	2.14	1.445	1.41	1.215	0.0924	0.1285	1.71	-0.5	20	20	4	-2	60	128	170	73	110	50
MLD4193	2.54	0.499	0.479	0.0715	0.0157	0.234	0.0472	0.0309	9.07	-0.5	60	140	2.7	3	-10	-7	90	20	-10	70
MLD4191	0.011	0.014	-0.006	-0.0007	0.0034	0.012	-0.0008	0.0032	0.03	-0.5	-10	110	-0.5	3	-10	-7	-10	5	-10	-10
MLD4192	2.7	0.771	0.765	0.0774	0.943	0.539	0.25	0.0566	1.85	-0.5	390	100	5.3	32	20	-7	250	5	-10	140
MLD4265	7.73	3.48	3.69	1.635	1.47	1.63	0.171	0.129	0.73	-0.5	10	60	1.8	-2	30	123	80	126	-10	50
MLD4266	7.47	3.51	3.56	1.505	1.435	1.68	0.1715	0.1335	1.02	-0.5	-10	70	1.7	-2	30	128	70	118	10	50
MLD4169	7.1	7.54	3.08	1.33	1.905	1.345	0.1785	0.121	1.25	-0.5	210	330	4.9	2	50	62	340	96	-10	60
MLD4170	5.6	14.1	3.63	0.856	0.903	1.205	0.244	0.106	2.82	0.5	130	1390	1.3	4	50	48	390	71	-10	70
MLD4171	3.96	20.2	2.75	0.607	0.384	0.829	0.277	0.0845	6.12	-0.5	240	1800	0.8	54	60	-7	490	53	-10	60
MLD4172	4.23	23.9	2.12	0.425	0.207	0.868	0.342	0.0824	9.31	-0.5	220	2320	0.8	3	60	114	250	46	90	100
MLD4173	3.67	22.5	1.935	0.096	0.004	0.855	0.336	0.0899	5.49	-0.5	260	7340	0.7	163	40	-7	350	52	20	40
MLD4174	3.87	28.2	1.825	0.1255	0.0891	0.9	0.248	0.0792	11.35	-0.5	300	3170	0.7	8	50	-7	260	44	20	40
MLD4175	2.39	16.3	1.205	0.1125	1.28	0.474	0.1575	0.0524	12.65	-0.5	-1111	730	23.3	69	40	-7	130	20	-10	-10
MLD4176	3.35	6.18	1.705	0.1055	2.87	0.779	0.1255	0.0806	2.58	-0.5	-1111	330	29.6	94	70	-7	140	38	-10	-10
MLD4177	2.15	3.31	1.095	0.0813	2.14	0.657	0.1385	0.0626	0.23	-0.5	-1111	270	292	82	130	-7	380	60	-10	50
MLD4178	2.32	8.62	1.3	0.0648	1.7	0.616	0.167	0.0587	4.76	-0.5	190	470	26.7	3	20	-7	220	19	-10	-10
MLD4179	2.92	28.6	1.885	0.1155	0.0608	0.742	0.278	0.0738	15.2	-0.5	280	1810	0.8	5	30	-7	380	30	-10	10
MLD4180	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4181	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4182	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4183	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4184	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4185	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4186	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4187	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4188	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4189	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4190	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4194	5.09	12.2	2.52	0.609	1.44	1.005	0.237	0.0956	0.88	-0.5	160	280	11.7	20	40	47	380	63	20	60
MLD4195	5.62	9.5	2.82	1.03	1.695	1.16	0.1735	0.1025	1.06	-0.5	80	150	6.6	61	40	65	330	80	-10	40
MLD4196	4.37	8.12	2.54	0.232	2.17	1.015	0.246	0.087	0.48	-0.5	2840	110	18.3	96	60	-7	300	58	-10	60
MLD4197	4.82	11.95	2.51	0.62	0.947	1.015	0.216	0.0818	1.51	-0.5	620	330	10.4	3	50	20	370	54	-10	50
MLD4198	3.27	5.18	1.935	0.235	2.12	0.765	0.1315	0.0852	0.68	-0.5	110	200	35.3	12	20	-7	640	44	-10	50
MLD4267	6.27	8.16	3.51	1.43	1.035	1.35	0.1175	0.1105	1.73	-0.5	20	70	2	-2	30	116	190	86	-10	20
MLD4268	6.51	4.68	3.43	1.555	1.305	1.41	0.1025	0.1125	2.49	-0.5	10	90	1.5	-2	30	102	150	91	-10	10
MLD4269	6.32	4.54	2.44	1.62	1.35	1.145	0.1325	0.0983	1.96	-0.5	80	150	8.7	-2	20	58	270	61	10	20
MLD4270	6.71	2.34	2.47	2.01	1.335	1.195	0.0817	0.1105	2.98	-0.5	60	150	2	-2	20	13	210	71	-10	60
MLD4271	6.57	1.76	2.37	2.15	1.255	1.205	0.0903	0.1105	3.22	-0.5	40	40	1.7	-2	10	-7	130	85	-10	60

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4272	5.73	4.67	2.1	1.37	1.335	0.984	0.194	0.0938	2.54	-0.5	290	-10	12	-2	10	63	320	89	-10	70
MLD4273	5.95	8.22	2.69	1.28	0.936	1.035	0.27	0.0927	1.06	-0.5	60	10	6.4	-2	20	138	270	89	-10	70
MLD4274	6.95	3.02	2.59	1.485	1.975	1.175	0.0984	0.0984	1.95	-0.5	30	10	2.3	-2	20	111	200	118	-10	-10
MLD4275	7.2	3.1	2.33	1.42	2.14	0.916	0.1215	0.104	1.51	-0.5	30	60	2.4	-2	-10	55	100	91	-10	30
MLD4239	2.51	0.497	0.475	0.0667	0.016	0.242	0.0482	0.0307	9.5	-0.5	60	110	2.6	-2	-10	-7	100	17	-10	100
MLD4238	2.7	0.758	0.772	0.082	0.94	0.554	0.254	0.056	1.82	-0.5	380	100	5.1	30	-10	-7	270	8	-10	180
MLD4237	0.038	0.024	-0.006	-0.0007	0.0334	0.012	0.0015	0.0017	0.08	-0.5	-10	240	-0.5	4	-10	7	-10	4	-10	-10
MLD4222	6.99	4.95	2.64	2.1	1.505	1.25	0.119	0.134	1.24	-0.5	180	70	1.9	36	-10	129	130	89	-10	-10
MLD4223	6.53	9.56	2.19	1.71	0.759	0.878	0.251	0.0965	1.25	-0.5	50	40	1.7	2	30	79	190	67	60	90
MLD4224	6.01	9.5	2.03	1.425	1.05	0.808	0.237	0.0777	0.99	-0.5	310	130	20.9	4	10	73	270	64	-10	120
MLD4225	3.93	8.69	1.52	0.41	1.06	0.693	0.296	0.0777	0.11	-0.5	230	200	45.4	15	-10	-7	400	74	-10	90
MLD4226	3.81	8.05	1.295	0.42	0.85	0.671	0.282	0.0626	0.17	-0.5	150	180	41.8	31	-10	7	530	66	10	130
MLD4227	2.12	6.46	1.455	0.1055	1.85	0.731	0.301	0.0834	2.77	1.1	80	130	11	3	-10	-7	1390	159	-10	40
MLD4228	2.67	4	1.695	0.0917	2.99	0.56	0.258	0.0758	3.3	-0.5	80	140	10	3	-10	-7	780	122	70	70
MLD4229	4.08	5.4	1.72	0.143	4.2	0.694	0.255	0.075	4.88	1.7	970	190	7.6	19	-10	-7	2230	49	-10	80
MLD4230	3.56	2.86	1.465	0.115	3.71	0.669	0.1425	0.0698	4.53	-0.5	60	160	4.7	-2	-10	-7	400	24	-10	70
MLD4231	2.35	2.32	1.135	0.0611	2.63	0.464	0.112	0.0565	3.49	-0.5	40	30	3.3	-2	-10	-7	500	17	-10	70
MLD4232	2.56	2.78	1.095	0.464	1.355	0.523	0.1395	0.0497	-0.01	1.5	70	10	3.5	7	-10	-7	2380	81	-10	110
MLD4233	6.51	5.2	3.34	2.29	1.32	1.685	0.0887	0.1155	1.75	-0.5	20	40	1.4	2	20	139	150	98	-10	10
MLD4234	6.05	9.01	3.25	1.66	0.797	1.4	0.1705	0.103	1.22	-0.5	160	60	2.2	2	20	140	300	89	-10	80
MLD4235	3.78	4.06	1.7	0.919	1.33	0.857	0.137	0.0712	0.27	-0.5	80	30	3.9	6	-10	-7	350	82	-10	60
MLD4236	2.16	2.99	0.952	0.1525	1.535	0.476	0.163	0.0467	-1.18	-0.5	70	60	5.8	6	-10	-7	530	173	-10	80
MLD4240	2.19	1.63	0.798	0.1005	1.78	0.479	0.134	0.0429	-0.42	-0.5	70	70	2.7	3	-10	-7	500	50	40	120
MLD4241	2.64	3.15	1.005	0.1895	1.51	0.553	0.17	0.0497	-0.41	-0.5	90	160	7	4	-10	-7	310	38	-10	110
MLD4242	3.85	7.9	1.6	0.398	0.944	0.886	0.269	0.0774	0.09	-0.5	220	420	12.1	2	-10	-7	380	38	-10	120
MLD4243	2.41	6.53	1.045	0.244	0.704	0.539	0.205	0.0526	-1.61	-0.5	320	300	7.7	55	-10	-7	1010	42	-10	100
MLD4244	2.21	3.85	0.88	0.149	1.195	0.503	0.1715	0.0534	-0.08	-0.5	90	80	6	-2	-10	-7	280	14	-10	110
MLD4245	3.82	10.75	1.495	0.285	0.657	0.987	0.228	0.0841	-0.26	-0.5	150	740	21.2	15	-10	7	810	33	10	100
MLD4246	4.61	16.1	1.8	0.277	0.294	0.929	0.312	0.0816	0.47	-0.5	330	820	12.9	118	-10	14	1260	43	-10	70
MLD4247	5.13	14.05	2.46	0.352	0.678	1.09	0.3	0.0914	0.92	-0.5	870	470	12.2	47	20	68	400	66	-10	160
MLD4248	6.41	6.45	3.25	2.13	1.08	1.53	0.132	0.114	1.96	-0.5	30	10	2.1	3	40	112	220	82	50	60
MLD4249	5.99	7.63	1.79	0.979	1.565	1.04	0.26	0.0891	3.1	-0.5	-10	-10	1.7	-2	30	63	320	110	-10	130
MLD4250	7.23	1.555	1.775	1.625	2.69	0.902	0.089	0.0729	2.17	-0.5	-10	70	2.4	-2	10	64	190	206	-10	130
MLD4251	7.95	4.48	2.67	1.6	1.83	1.115	0.1235	0.118	1.07	-0.5	10	40	2.1	-2	20	80	190	110	-10	30
MLD4168	1.65	0.035	0.196	0.0663	0.0035	0.023	0.0657	0.0567	6.41	-0.5	70	50	0.7	3	-10	513	160	155	-10	90
MLD4167	1.625	0.036	0.244	0.0905	1.16	0.456	-0.0008	0.0141	31.4	0.6	860	60	17.2	19	-10	-7	1700	29	-10	-10
MLD4166	0.065	0.11	0.045	-0.0007	0.0029	0.012	0.0056	0.0356	0	-0.5	-10	90	-0.5	-2	-10	-7	-10	-1	-10	-10
MLD4159	6.08	6.83	6.2	1.21	1.045	1.21	0.1325	0.115	2.34	-0.5	140	-10	1.1	-2	20	326	30	247	-10	60
MLD4160	6.52	5.66	3.63	2.46	0.78	1.055	0.096	0.1115	2.06	-0.5	90	80	1.9	-2	40	176	380	154	10	40
MLD4161	5	7.83	1.955	1.575	0.717	0.815	0.1875	0.104	2.08	0.6	110	130	4.6	61	40	21	1430	65	-10	180
MLD4162	3.69	22.3	1.215	0.398	0.324	0.723	0.291	0.1125	12.5	-0.5	130	470	2.8	-2	10	-7	220	34	20	80
MLD4163	4.22	20.4	1.43	0.323	0.355	0.851	0.299	0.1105	8.38	-0.5	230	110	2.1	6	10	-7	210	43	10	100
MLD4164	5.32	15.85	2.31	0.315	0.698	1.34	0.354	0.1435	0.89	-0.5	80	100	1.1	3	20	81	210	56	20	110
MLD4165	6.49	11.9	2.74	1.32	0.48	1.28	0.176	0.148	0.74	-0.5	10	90	1.5	-2	10	74	100	72	-10	50
MLD4252	3.28	25.2	1.55	0.833	0.538	0.767	0.0941	0.0766	18.25	-0.5	-10	-10	0.7	2	-10	-7	80	38	-10	20
MLD4253	2.97	27.6	1.295	0.484	0.226	0.578	0.225	0.0686	19.1	-0.5	20	110	0.7	-2	-10	-7	120	26	-10	230
MLD4254	3.06	22.8	1.295	0.1315	0.0507	0.633	0.216	0.0684	0.23	0.5	210	1390	0.6	2	60	-7	1490	54	70	120
MLD4255	2.95	29.8	1.235	0.204	0.136	0.61	0.219	0.058	20.6	-0.5	150	740	0.7	5	-10	-7	240	28	-10	-10
MLD4256	3.64	26.2	1.67	0.291	0.222	0.871	0.278	0.0777	12.9	-0.5	240	700	0.7	5	20	34	660	40	40	30
MLD4214	0.011	0.027	-0.006	-0.0007	0.0032	0.009	-0.0008	0.0009	0.14	-0.5	-10	-10	-0.5	-2	-10	14	-10	2	-10	-10
MLD4216	3.75	3.26	1.575	0.325	1.26	0.228	0.1835	0.0354	5.83	-0.5	20	10	0.8	-2	-10	-7	60	32	-10	-10
MLD4215	1.665	0.11	0.261	0.0927	1.165	0.472	0.0048	0.0148	28.4	1.3	750	-10	14.9	22	-10	-7	1910	24	-10	-10
MLD4199	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4200	4.56	8.41	1.525	1.07	1.84	0.508	0.291	0.057	-0.1	-0.5	320	40	16	251	10	-7	430	68	-10	60
MLD4201	3.09	9.56	1.22	0.455	1.26	0.484	0.423	0.072	-0.59	-0.5	450	40	21.2	232	20	-7	390	48	-10	80
MLD4202	3.18	7.57	1.515	0.491	1.29	0.647	0.48	0.07	0.68	-0.5	30	50	35.3	8	-10	-7	120	22	-10	80
MLD4203	3.39	7.39	1.195	0.466	1.655	0.806	0.435	0.0716	1.39	-0.5	80	50	26	6	20	-7	300	28	10	110
MLD4204	3.86	7.31	1.275	0.545	1.665	0.759	0.397	0.0758	0.86	-0.5	200	70	21.2	10	-10	-7	290	31	-10	80
MLD4205	4.23	7.34	1.595	0.604	1.6	0.956	0.412	0.0874	0.19	-0.5	110	120	31.9	4	-10	-7	240	44	-10	90
MLD4206	4.04	5.84	1.38	0.367	1.895	0.576	0.331	0.0644	3.02	-0.5	140	150	-1111	-2	10	-7	80	15	820	7070
MLD4207	4.16	7.31	1.34	0.46	2.39	0.6	0.38	0.0733	1.84	-0.5	30	70	17.8	9	-10	-7	670	24	-10	100
MLD4208	3.98	7.71	1.52	0.602	1.505	0.873	0.371	0.0778	-0.58	-0.5	130	40	29.6	3	-10	-7	690	53	40	140
MLD4209	2.93	6.81	0.923	0.455	1.285	0.61	0.265	0.0733	1.41	0.8	340	40	29.6	6	-10	-7	2970	144	-10	150
MLD4210	4.6	7.85	1.41	0.767	1.525	0.644	0.361	0.0644	-0.29	-0.5	90	60	22.7	-2	-10	-7	760	28	-10	120

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn	
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MLD4211		5	8.79	1.995	0.845	1.245	0.968	0.322	0.0863	0.66	-0.5	180	220	20.6	3	-10	140	760	42	-10	160
MLD4212	3.46	7.7	1.425	0.509	1.545	1.01	0.367	0.0852	-0.39	-0.5	30	40	24.5	-2	-10	33	540	26	40	90	
MLD4213	2.42	8.44	1.32	0.36	1.125	0.751	0.295	0.0842	1.33	0.5	40	-10	25	-2	-10	21	2150	69	-10	100	
MLD4217	4.58	14.4	2.25	0.362	0.596	1.155	0.282	0.0928	0.77	-0.5	190	910	11.5	13	-10	42	650	53	-10	130	
MLD4218	4.05	8.98	1.825	0.525	0.834	0.943	0.311	0.0838	0.49	-0.5	710	90	15.9	54	20	33	810	46	20	70	
MLD4219	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	
MLD4220	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	
MLD4221	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	
MLD4412	3.68	3.25	1.545	0.299	1.22	0.215	0.1805	0.0348	7.15	-0.5	-10	90	0.9	-2	10	-7	70	33	-10	10	
MLD4410	0.038	0.095	0.018	-0.0007	0.0043	0.012	0.0065	0.0004	0.15	-0.5	-10	90	0.7	-2	-10	-7	-10	2	-10	-10	
MLD4411	1.695	0.043	0.268	0.0571	1.15	0.444	0.0017	0.0144	28.9	1.6	610	90	16.5	20	40	-7	1870	25	-10	-10	
MLD4397	8.3	3.14	2.87	1.115	2.96	0.901	0.1975	0.0968	0.77	-0.5	-10	100	10.2	-2	30	21	100	88	-10	30	
MLD4398	7.29	6.85	3.27	1.455	1.42	1.42	0.225	0.1245	0.46	-0.5	30	60	5.6	-2	40	104	90	100	-10	50	
MLD4399	6.95	8.54	3.13	1.75	0.715	1.43	0.226	0.1045	0.47	-0.5	-10	360	7.8	2	60	162	120	97	20	80	
MLD4400	6.75	8.66	2.91	1.68	1.12	1.33	0.241	0.107	0.78	-0.5	70	150	17.4	3	60	148	150	101	40	80	
MLD4401	6.64	9.76	2.52	1.375	1.16	0.989	0.28	0.0996	0.18	-0.5	120	250	63	16	30	22	120	77	-10	100	
MLD4402	5.42	16.05	3.27	0.459	0.552	0.975	0.327	0.092	0.77	-0.5	320	440	38.2	49	50	96	370	72	-10	410	
MLD4403	5.12	13.4	2.5	0.625	0.783	0.712	0.316	0.0792	1.36	-0.5	390	950	50.2	97	50	27	370	61	10	190	
MLD4404	5.88	14.85	2.86	0.694	0.989	1.04	0.317	0.0924	1.53	-0.5	310	640	52.6	39	40	112	160	95	-10	180	
MLD4405	7.13	7.99	3.71	1.995	1.445	1.385	0.216	0.108	0.54	-0.5	30	240	26.8	2	50	182	110	114	-10	80	
MLD4406	5.58	12.45	2.45	0.742	0.98	0.86	0.339	0.0823	0.76	-0.5	1230	760	65.6	108	40	188	340	77	-10	170	
MLD4407	5.67	11.8	3.28	0.847	1.05	1.015	0.338	0.0922	0.88	-0.5	370	1080	92.8	55	40	83	140	90	-10	180	
MLD4408	5.84	15.4	3.48	0.528	0.522	1.025	0.319	0.0904	0.96	-0.5	300	910	35	34	40	92	330	87	-10	230	
MLD4409	5.09	11.05	3.03	0.483	2.05	0.836	0.348	0.0908	0.26	-0.5	950	1380	107	105	50	62	450	74	-10	200	
MLD4413	5.62	11.8	2.34	0.969	1.12	0.745	0.32	0.0815	1.35	-0.5	910	1380	120.5	105	20	-7	380	55	-10	110	
MLD4414	6.56	11	2.96	1.45	1.13	1.03	0.3	0.0945	1.64	-0.5	90	170	43.8	15	50	48	180	91	-10	170	
MLD4415	5	11.45	2.06	1.02	0.964	0.655	0.296	0.0687	2.69	-0.5	740	190	58.7	76	50	33	440	49	50	150	
MLD4416	6.08	10.85	2.65	1.51	1.225	0.954	0.252	0.0884	0.94	-0.5	780	220	32.1	58	60	54	420	57	10	120	
MLD4417	6.49	5.55	1.145	1.225	1.94	0.457	0.1555	0.047	2.6	-0.5	-10	1600	7.3	-2	30	-7	60	25	-10	50	
MLD4418	6.6	0.809	0.127	1.725	4.59	0.069	0.03	0.0142	0.63	-0.5	-10	370	5	-2	-10	-7	-10	5	-10	-10	
MLD4419	6.75	0.783	0.215	1.745	4.54	0.152	0.042	0.023	0.87	-0.5	-10	90	4.8	-2	-10	-7	-10	4	-10	-10	
MLD4420	6.85	0.86	0.15	1.59	4.65	0.122	0.038	0.0196	0.85	-0.5	-10	250	4.7	-2	10	-7	40	5	-10	-10	
MLD4421	6.56	0.739	0.074	1.365	4.04	0.043	0.0192	0.0108	1.4	-0.5	-10	230	4.5	-2	-10	-7	-10	2	-10	-10	
MLD4422	6.55	0.418	0.065	1.605	4.19	0.037	0.0202	0.0112	1.03	-0.5	-10	310	4.1	-2	-10	-7	50	7	-10	-10	
MLD4423	6.48	0.18	0.079	1.15	4.36	0.044	0.0182	0.0114	0.67	-0.5	-10	410	3.8	-2	-10	-7	20	5	-10	-10	
MLD4297	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	100	-999	-999	-999	
MLD4320	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	100	-999	-999	-999	
MLD4296	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	1800	-999	-999	-999	
MLD4319	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	400	-999	-999	-999	
MLD4295	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4318	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4276	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4277	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4278	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4279	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4280	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999	
MLD4281	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999	
MLD4282	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999	
MLD4283	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999	
MLD4284	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	100	-999	-999	-999	
MLD4285	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	100	-999	-999	-999	
MLD4286	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4287	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	800	-999	-999	-999	
MLD4288	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4289	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	100	-999	-999	-999	
MLD4290	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999	
MLD4291	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999	
MLD4292	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	300	-999	-999	-999	
MLD4293	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-100	-999	-999	-999	
MLD4294	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999	
MLD429																					

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4302	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	2300	-999	-999	-999
MLD4303	3.15	3.48	1.155	0.1035	2.84	0.539	0.14	0.0599	4.76	2.2	320	160	44.9	19	-10	-7	4520	50	-10	70
MLD4304	2.59	3.12	1.125	0.117	2.58	0.476	0.231	0.0529	4.13	6.3	4140	10	160	365	60	-7	9990	42	-10	150
MLD4305	3.02	6.01	1.13	0.0958	2.96	0.446	0.241	0.0555	1.72	4.6	4280	40	7.5	273	60	-7	5960	27	10	110
MLD4306	3.31	5.56	1.265	0.183	2.82	0.405	0.296	0.0494	0.41	-0.5	12600	80	15.2	530	240	-7	900	41	-10	60
MLD4307	2.96	4.85	1.235	0.1645	2.2	0.406	0.276	0.0528	1.88	0.6	22300	40	18.4	453	390	-7	1880	66	-10	80
MLD4308	3.6	7.75	1.475	0.243	1.745	0.703	0.262	0.0648	3.72	-0.5	5300	60	52.9	55	130	-7	590	29	-10	70
MLD4309	3.77	5.87	1.425	0.329	2.25	0.592	0.28	0.0651	0.44	0.5	2810	60	9.9	22	80	-7	1260	26	-10	100
MLD4310	3.29	5.92	1.645	0.445	1.015	0.67	0.235	0.064	4.23	-0.5	44800	80	14	714	780	-7	1340	50	-10	80
MLD4311	3.96	6.44	1.97	0.506	0.791	0.831	0.242	0.0742	2.28	0.5	25400	50	13.8	599	480	-7	1450	50	-10	120
MLD4312	2.76	7.2	1.28	0.351	0.956	0.454	0.261	0.0562	2	1.4	36100	50	12.9	685	630	-7	3410	32	-10	100
MLD4313	3.07	7.88	1.325	0.43	0.82	0.545	0.299	0.0609	-0.1	1.8	9670	70	17.5	141	240	-7	4460	35	-10	130
MLD4314	3.24	10.45	1.415	0.321	0.608	0.714	0.313	0.0815	-0.4	1.9	5920	90	20.4	107	210	-7	6460	44	-10	170
MLD4315	5.3	13.3	2.35	0.376	0.914	1.015	0.333	0.0951	1.43	0.8	570	470	4.2	41	80	26	1450	65	20	130
MLD4316	3.4	7.87	1.555	0.392	0.796	0.703	0.281	0.0712	0.84	3.1	1450	70	11.4	484	60	-7	8570	57	40	230
MLD4317	5.5	13.75	3.16	0.502	0.803	1.44	0.298	0.1045	0.88	-0.5	60	510	1.9	16	50	126	460	59	60	160
MLD4321	4.29	11.75	2.02	0.294	0.684	0.828	0.277	0.0809	1.51	-0.5	2150	810	9.6	189	140	-7	980	65	-10	90
MLD4322	3.38	7.68	1.6	0.364	0.806	0.653	0.309	0.0729	1.95	-0.5	610	30	15.9	27	60	-7	1660	57	-10	100
MLD4323	3.24	6.92	1.425	0.461	0.848	0.586	0.3	0.0637	0	0.5	8750	60	25.6	359	320	-7	1400	45	30	100
MLD4324	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	800	-999	-999	-999
MLD4325	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	700	-999	-999	-999
MLD4326	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999
MLD4327	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999
MLD4328	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	200	-999	-999	-999
MLD4388	1.655	0.036	0.257	0.0549	1.14	0.444	-0.0008	0.014	29.9	1.6	720	20	15.7	22	20	-7	1770	24	-10	-10
MLD4389	3.74	3.3	1.56	0.31	1.24	0.221	0.1815	0.0344	5.59	-0.5	-10	40	0.9	-2	-10	-7	60	37	-10	-10
MLD4387	0.052	0.169	0.016	-0.0007	0.0056	0.019	-0.0008	0.0004	0.09	-0.5	-10	-10	-0.5	5	-10	-8	50	4	-10	-10
MLD4329	6.96	5.41	3.55	1.46	0.979	1.43	0.143	0.132	1.93	-0.5	-10	10	1.9	-2	40	97	70	99	-10	40
MLD4330	5.58	15.4	2.19	0.882	0.761	0.948	0.238	0.0885	3.71	-0.5	-10	50	1.5	-2	30	27	130	56	-10	120
MLD4331	5.84	15.9	1.825	0.6	0.805	0.878	0.313	0.0832	0.83	-0.5	-10	240	2.1	-2	30	-7	90	58	-10	430
MLD4332	6.52	7.55	2.05	1.72	1.305	1.2	0.1595	0.105	2.25	-0.5	-10	30	2.2	-2	50	32	160	75	10	70
MLD4333	6.35	6.43	1.62	1.5	1.5	0.741	0.218	0.0816	2.96	-0.5	-10	40	1.8	-2	40	7	130	155	-10	70
MLD4334	7.29	5.34	3.02	1.4	1.285	1.325	0.1385	0.123	1.8	-0.5	-10	70	1.8	-2	40	130	90	109	-10	50
MLD4371	7.34	4.29	3.13	1.645	1.405	1.49	0.252	0.107	1.1	-0.5	-10	20	1.6	3	30	124	220	109	-10	80
MLD4372	8.7	1.78	2.79	1.42	2.42	0.518	0.1885	0.0717	2.03	-0.5	-10	50	2.6	-2	20	-7	80	74	-10	40
MLD4373	6.66	3.71	2.96	2.49	0.887	1.13	0.15	0.1215	3.3	-0.5	-10	40	1.8	-2	50	86	80	85	-10	30
MLD4374	2.72	27.4	1.23	1.055	0.209	0.504	0.0787	0.0609	25.2	-0.5	-10	50	-0.5	-2	10	-7	170	26	-10	-10
MLD4375	3.25	25.7	1.465	0.874	0.412	0.634	0.082	0.0634	21.3	0.6	-10	180	0.5	-2	-10	-7	40	27	-10	-10
MLD4376	2.92	26.3	1.255	0.972	0.412	0.608	0.0573	0.0643	21.7	-0.5	-10	120	0.6	-2	10	-7	30	27	-10	-10
MLD4377	2.84	26.6	1.385	0.933	0.381	0.582	0.0707	0.0588	23.5	-0.5	-10	80	0.6	-2	30	-7	60	24	-10	10
MLD4378	4.72	19.65	2.4	1.11	0.534	1.175	0.0919	0.0987	12.65	-0.5	-10	120	0.8	-2	50	-7	270	43	10	60
MLD4379	3.03	26	1.315	1.015	0.353	0.648	0.0734	0.0647	23	-0.5	-10	120	0.7	-2	30	-7	50	26	-10	-10
MLD4380	2.51	26.8	1.105	1.315	0.219	0.503	0.0785	0.0558	25.6	-0.5	-10	110	-0.5	-2	20	-7	60	24	-10	-10
MLD4381	2.43	27.7	1.01	1.045	0.336	0.483	0.0577	0.0563	26.5	-0.5	-10	130	0.5	-2	20	-7	50	22	-10	-10
MLD4382	5.43	16.4	3.03	0.295	1.125	1.41	0.1945	0.109	4.01	-0.5	10	190	1	-2	40	14	390	52	-10	30
MLD4383	5.12	16.85	2.9	0.547	0.832	1.255	0.218	0.1035	5.02	-0.5	160	300	1.3	379	50	14	230	67	-10	60
MLD4384	5.61	11.2	3.08	0.7	1.165	1.34	0.247	0.111	2.08	-0.5	-10	130	1.1	3	40	72	190	84	-10	120
MLD4385	6.33	7.51	3.02	2.05	0.417	1.535	0.1495	0.115	1.96	-0.5	-10	130	1.5	-2	60	76	150	94	40	80
MLD4386	6.79	5.6	3.57	2.16	0.778	1.87	0.1265	0.1195	2.35	-0.5	-10	140	1.4	-2	40	67	120	76	-10	70
MLD4390	7.11	6.38	3.55	2.01	0.769	1.765	0.154	0.1175	1.88	-0.5	-10	20	1.4	-2	40	48	100	70	-10	80
MLD4391	6.77	6.35	3.25	1.96	0.787	1.74	0.146	0.119	1.98	-0.5	-10	30	1.3	3	50	46	140	75	-10	80
MLD4392	6.7	4.95	2.94	2.54	0.716	1.49	0.1415	0.112	1.38	-0.5	-10	30	1.3	-2	60	72	170	66	10	70
MLD4393	6.03	10.95	2.53	1.07	0.907	1.345	0.281	0.1005	1.72	-0.5	-10	80	1.4	-2	60	32	240	65	30	100
MLD4394	6.91	3.08	1.925	1.8	1.76	0.937	0.122	0.0882	1.77	-0.5	-10	50	2.2	-2	50	59	200	111	-10	100
MLD4395	8.04	2.99	2.35	1.145	2	1.015	0.1445	0.1065	0.46	-0.5	-10	60	2.5	-2	40	21	130	72	-10	70
MLD4396	7.8	3.01	2.55	1.06	1.94	1.06	0.1265	0.1045	1.04	-0.5	-10	50	2.5	-2	40	41	120	84	-10	90
MLD4570	6.4	6.77	2.76	1.845	0.903	1.285	0.142	0.0943	2.74	-0.5	50	90	1.3	3	40	64	200	83	-10	50
MLD4571	7.36	3.84	2.77	1.505	1.605	1.2	0.1015	0.1055	1.65	-0.5	-10	70	1.8	4	60	158	190	120	90	90
MLD4522	3.63	3.16	1.525	0.296	1.21	0.207	0.181	0.0344	7.25	-0.5	-10	50	0.9	-2	10	-7	70	33	-10	10
MLD4520	0.049	0.014	-0.006	-0.0007	0.0268	-0.006	0.0047	-0.0004	0.01	-0.5	-10	-10	-0.5	-2	-10	-7	-10	3	-10	-10
MLD4521	2.67	0.729	0.757	0.0532	0.927	0.535	0.25	0.0543	1.42	-0.5	260	50	5.8	33	20	-7	270	1	-10	200
MLD4498	7.65	2.26	2.99	1.705	0.778	1.685	0.213	0.1235	3.41	-0.5	-10	10	4.2	-2	60	89	60	86	-10	140
MLD4499	8.23	2.82	2.09	2.28	1.26	1.235	0.13	0.137	1.68	-0.5	-10	10	3.1	-2	50	27	20	88	-10	70
MLD4500	8.36	2.13	1.695	1.62	1.175	1.485	0.1795	0.1335	3.4	-0.5	-10	30	3.7	-2	40	84	50	77	-10	160

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4501	7.09	0.081	0.124	0.629	4.5	0.08	0.0194	0.0147	2.19	-0.5	-10	130	3.1	-2	20	-7	30	5	-10	-10
MLD4502	6.46	0.088	0.108	1.16	3.97	0.055	0.0223	0.0124	1.11	-0.5	-10	670	4.2	-2	-10	-7	70	3	-10	-10
MLD4503	6.44	0.081	0.168	0.285	3.45	0.086	0.0196	0.0156	1.65	-0.5	-10	1290	4.5	-2	-10	-7	30	4	-10	-10
MLD4504	6.47	0.13	0.085	1.815	4.3	0.061	0.0142	0.0124	0.8	-0.5	-10	40	4	-2	-10	-7	30	1	-10	-10
MLD4505	6.41	0.081	0.106	0.631	4.29	0.055	0.03	0.012	1	-0.5	-10	700	3.9	-2	-10	-7	10	3	-10	-10
MLD4506	6.12	0.083	0.088	0.881	3.98	0.05	0.0144	0.012	0.83	-0.5	-10	820	3.2	-2	-10	-7	-10	-1	-10	30
MLD4507	6.32	0.122	0.102	1.655	4.18	0.072	0.0199	0.0126	0.72	-0.5	-10	320	3.7	-2	20	-7	40	3	20	-10
MLD4508	6.43	0.096	0.101	1.475	4.26	0.068	0.0169	0.014	0.71	-0.5	-10	200	3.7	-2	-10	-7	130	3	-10	-10
MLD4509	6.51	0.109	0.106	1.105	4.03	0.061	0.0219	0.0134	0.99	-0.5	-10	560	4	-2	20	-7	120	2	10	-10
MLD4510	6.41	0.302	0.087	2.24	3.97	0.062	0.0188	0.0135	0.57	-0.5	-10	30	4.4	-2	-10	-7	130	2	-10	-10
MLD4511	6.43	0.261	0.091	1.685	4.12	0.067	0.0205	0.0124	0.67	-0.5	-10	300	4.3	-2	-10	-7	-10	2	-10	-10
MLD4512	6.41	0.204	0.108	1.3	3.43	0.067	0.0287	0.0134	0.9	-0.5	-10	770	4.2	-2	-10	-7	-10	2	-10	30
MLD4513	5.95	0.15	0.106	1.025	2.56	0.066	0.0294	0.0136	1.1	0.7	740	2080	4.7	-2	30	-7	280	2	20	20
MLD4514	6.42	0.369	0.094	1.85	4.12	0.068	0.0245	0.014	0.47	-0.5	-10	170	4.4	-2	-10	-7	-10	3	-10	-10
MLD4515	6.5	0.483	0.092	2.3	4.1	0.061	0.0257	0.0139	0.44	-0.5	-10	30	4.7	-2	-10	-7	-10	2	-10	-10
MLD4516	6.28	0.116	0.083	1.33	4.05	0.043	0.016	0.0106	0.87	0.6	-10	390	5.6	4	-10	-7	80	2	-10	-10
MLD4517	6.42	0.241	0.091	2.15	4.12	0.06	0.0189	0.0121	0.22	-0.5	-10	200	4.5	-2	10	-7	20	2	-10	-10
MLD4518	5.57	0.139	0.093	1.125	3.01	0.055	0.019	0.0147	0.62	-0.5	-10	1290	6.1	-2	-10	-7	-10	2	-10	-10
MLD4519	6.57	0.182	0.118	1.46	4.59	0.088	0.0157	0.0149	0.98	-0.5	-10	60	4.4	-2	20	-7	30	3	30	-10
MLD4341	0.038	0.066	-0.006	-0.0007	0.012	0.012	0.0027	0.0013	0.15	-0.5	-10	100	-0.5	-2	-10	119	-10	1	-10	-10
MLD4343	3.75	3.27	1.555	0.306	1.24	0.213	0.1805	0.0347	6.28	-0.5	-10	80	0.9	-2	-10	-7	60	36	-10	-10
MLD4364	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4365	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4342	1.6	0.043	0.248	0.0675	1.12	0.438	0.0018	0.014	30.6	1.4	620	70	15.8	21	40	-7	1820	25	-10	-10
MLD4366	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4335	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4336	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4337	5.85	12.5	4.34	1.035	1.455	0.955	0.307	0.0942	0.87	-0.5	310	1750	1.7	4	50	103	120	65	30	130
MLD4338	4.15	18.3	2.11	0.0878	0.0425	0.808	0.409	0.0919	0.73	-0.5	1700	6770	1	29	70	92	430	75	-10	100
MLD4339	4.41	20	2	0.143	0.1265	0.863	0.46	0.0895	1.84	-0.5	1180	3060	1.3	77	80	69	280	52	-10	130
MLD4340	5.38	19.25	2.16	0.32	0.368	0.881	0.437	0.0854	2.73	-0.5	730	3140	1.3	16	50	64	190	65	-10	130
MLD4344	5.21	15	2.4	0.562	0.889	0.799	0.401	0.0954	1.95	-0.5	740	6020	1.3	12	50	42	150	44	-10	80
MLD4345	5.07	17.95	2.72	0.225	0.1875	1.005	0.413	0.0931	1.41	-0.5	800	4790	1	59	50	50	260	51	-10	100
MLD4346	5.69	18.8	3.21	0.261	0.413	1.23	0.384	0.1065	1.62	-0.5	5180	2450	1	224	410	104	270	66	-10	90
MLD4347	4.5	18.65	2.09	0.163	0.1305	0.977	0.371	0.0999	1.82	-0.5	17850	5120	1.2	537	810	-7	370	67	-10	70
MLD4348	4.27	17.85	2.07	0.166	0.1705	0.961	0.39	0.0861	2.69	-0.5	1640	7360	1	118	140	-7	240	34	-10	100
MLD4349	3.53	16.1	2.07	0.1575	0.1715	0.79	0.392	0.0738	4.31	-0.5	1980	-1111	0.9	106	200	-7	320	21	-10	120
MLD4350	3.78	16.45	2.24	0.203	0.1975	0.906	0.399	0.0829	2.47	-0.5	4110	9320	1.2	176	490	14	310	35	20	100
MLD4351	3.47	17.1	1.85	0.125	0.1145	0.674	0.403	0.075	2.46	-0.5	590	-1111	1.9	283	60	-7	340	36	-10	110
MLD4352	3.74	15.35	1.99	0.199	0.344	0.792	0.373	0.0743	3.25	-0.5	1720	7020	1.9	110	200	-7	550	32	20	110
MLD4353	3.57	13.35	1.875	0.218	0.1815	0.654	0.418	0.078	2.97	-0.5	410	8520	1.6	139	70	-7	600	27	-10	130
MLD4354	3.91	14.2	1.685	0.238	0.263	0.72	0.406	0.0843	1.81	-0.5	1230	9510	2.3	149	140	-7	610	32	-10	90
MLD4355	3.08	12.6	1.18	0.252	0.312	0.551	0.457	0.0635	0.85	-0.5	340	-1111	1.9	33	60	-7	370	17	-10	110
MLD4356	3.83	13.5	1.55	0.297	0.254	0.715	0.403	0.0846	1.15	-0.5	200	-1111	5.8	328	30	-7	660	31	-10	120
MLD4357	3.46	13.2	1.475	0.216	0.319	0.633	0.383	0.0887	1.73	-0.5	600	6950	42.7	114	60	-7	590	32	-10	80
MLD4358	5.08	8.62	1.98	0.763	1.36	0.875	0.308	0.0989	0.61	-0.5	380	1990	140	48	50	-7	610	50	-10	150
MLD4359	4.44	7.55	1.885	0.607	1.335	0.753	0.359	0.0931	1.84	-0.5	-10	3250	79.8	13	40	-7	700	57	-10	170
MLD4360	5.79	9.23	2.38	0.842	1.85	0.953	0.263	0.1085	0.86	-0.5	550	950	121.5	21	40	33	300	65	-10	150
MLD4361	5.08	9.5	2.42	0.521	1.27	0.974	0.266	0.0829	4.47	-0.5	210	310	54.5	26	40	38	330	55	-10	130
MLD4362	5.23	7.63	2.96	0.81	1.245	1.115	0.159	0.1	4.51	-0.5	4390	300	49.2	83	110	64	240	63	20	50
MLD4363	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4367	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4368	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4369	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4370	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4474	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4473	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4458	2.48	0.485	0.469	0.0679	0.013	0.236	0.0487	0.03	8.77	-0.5	-10	110	2.6	-2	10	-7	130	17	20	120
MLD4456	0.005	0.021	-0.006	-0.0007	-0.0008	0.018	-0.0008	0.0013	-0.71	-0.5	-10	70	-0.5	-2	-10	-7	-10	-1	-10	-10
MLD4457	2.68	0.767	0.758	0.0716	0.916	0.543	0.248	0.0554	1.86	-0.5	270	80	5	29	20	-7	250	7	-10	170
MLD4434	1.65	0.057	0.256	0.066	1.125	0.456	0.0029	0.014	28.5	1.2	590	30	14.1	19	50	-7	1890	22	20	-10
MLD4435	3.65	3.25	1.505	0.295	1.21	0.212	0.1815	0.0335	7.16	-0.5	-10	50	0.8	3	10	-7	80	34	-10	-10
MLD4475	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4433	0.011	0.014	-0.006	-0.0007	0.003	0.03	-0.0008	-0.0004	0.41	-0.5	-10	10	-0.5	-2	-10	14	-10	1	-10	-10

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4424	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4425	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4426	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4427	4.97	2.01	2.04	0.222	3.17	1.02	0.157	0.109	3.67	-0.5	350	120	26.6	13	40	53	470	68	20	140
MLD4428	4.1	5.27	1.59	0.133	2.55	0.728	0.22	0.0724	7.2	-0.5	90	170	17.9	4	20	-7	210	41	-10	60
MLD4429	2.27	1.895	1.005	0.053	2.05	0.453	0.127	0.0509	7.22	-0.5	50	160	20.8	6	-10	-7	170	13	-10	30
MLD4430	2.21	4.12	1.215	0.0552	1.335	0.571	0.333	0.0695	13.8	-0.5	40	190	14	3	-10	-7	580	8	-10	10
MLD4431	5.19	9.81	1.9	0.851	1.15	0.879	0.1835	0.0948	2.25	-0.5	90	310	1.8	4	40	59	730	106	-10	30
MLD4432	5.92	8.61	2.21	0.726	2.56	0.832	0.1465	0.0867	6.11	-0.5	50	230	6.4	2	40	46	170	56	30	50
MLD4436	3.58	6.88	1.615	0.1805	2.14	0.758	0.41	0.0753	6.8	-0.5	270	90	7.7	55	20	-7	490	36	-10	60
MLD4437	3.35	6.11	1.53	0.1215	2.98	0.675	0.316	0.0683	2.56	1.1	690	170	36.3	972	30	-7	1480	41	20	70
MLD4438	3.37	7.52	1.445	0.325	1.32	0.659	0.268	0.0644	2.05	-0.5	13300	110	14.8	87	120	-7	630	42	50	90
MLD4439	3.16	5.21	1.36	0.292	1.89	0.63	0.253	0.0674	2.28	0.6	24900	80	17.6	616	220	-7	800	46	50	90
MLD4440	1.445	1.1	0.547	0.0594	1.515	0.282	0.0745	0.0403	2.22	-0.5	11900	70	6	482	100	-7	560	8	-10	80
MLD4441	1.7	1.365	0.693	0.0557	1.81	0.339	0.0565	0.043	1.67	-0.5	16400	-10	5.8	621	130	-7	250	2	-10	50
MLD4442	1.955	2.02	0.83	0.0563	2.11	0.35	0.1	0.0467	2.71	-0.5	14800	-10	9.4	426	180	-7	270	10	-10	60
MLD4443	2.09	2.28	0.836	0.0624	2.22	0.319	0.123	0.0414	3.7	-0.5	5400	10	4.4	134	140	-7	590	27	-10	40
MLD4444	2.85	1.975	1.26	0.0875	3.12	0.444	0.19	0.0567	6.41	0.5	16500	20	5.1	79	380	-7	1510	63	-10	70
MLD4445	2.69	2.69	1.215	0.0764	2.95	0.45	0.246	0.0585	8.6	-0.5	7630	30	4.3	46	220	-7	1490	64	-10	50
MLD4446	2.14	2.69	1.025	0.0883	2.3	0.366	0.1945	0.0498	7.68	-0.5	13900	10	12.4	75	340	-7	1230	77	-10	60
MLD4447	2.23	2.44	1	0.0831	2.43	0.336	0.162	0.0445	3.98	0.8	14300	-10	7.9	239	430	-7	2230	117	40	100
MLD4448	2.07	2.53	1.07	0.0846	2.27	0.39	0.206	0.0563	7.24	-0.5	19550	10	4.5	168	520	-7	1550	114	-10	50
MLD4449	2.82	3.12	1.2	0.072	3	0.396	0.1935	0.055	3.88	-0.5	15550	40	6.7	80	410	-7	1110	72	-10	30
MLD4450	2.68	3.99	1.18	0.163	2.48	0.38	0.1975	0.0422	1.1	-0.5	5890	60	9	100	200	-7	860	98	-10	50
MLD4451	3.4	5.92	1.66	0.309	2.09	0.863	0.345	0.0738	0.07	0.8	1730	110	16.2	15	80	20	2200	76	30	130
MLD4452	2.86	5.9	1.495	0.355	1.535	0.522	0.341	0.0574	-0.48	0.8	5660	100	11.3	73	280	-7	1390	114	-10	90
MLD4453	3.01	5	1.46	0.22	2.42	0.623	0.306	0.0642	1.82	0.6	9940	40	11.5	111	730	-7	1540	130	90	120
MLD4454	3.68	6.42	1.465	0.354	2.22	0.577	0.286	0.0593	-0.58	0.6	2720	30	9.1	103	110	-7	1030	35	10	90
MLD4455	4.26	6.89	1.585	0.438	2.6	0.749	0.302	0.0771	-0.33	-0.5	3120	40	16.4	93	120	-7	490	25	-10	80
MLD4459	4.26	8.92	1.735	0.412	2.34	0.8	0.282	0.0753	-0.63	-0.5	2540	140	18.2	332	110	-7	560	31	40	90
MLD4460	4.04	8.26	1.655	0.424	1.435	0.739	0.308	0.0706	-0.83	-0.5	5870	140	16.1	469	210	-7	1090	48	-10	100
MLD4461	5.25	9.94	2.48	1.005	0.761	1.29	0.229	0.0989	0.46	-0.5	2630	230	9.6	166	110	40	630	58	-10	90
MLD4462	5.24	7.8	2.12	0.925	1.57	1.095	0.247	0.0958	0.82	-0.5	470	120	22.8	64	40	-7	640	36	-10	70
MLD4463	4.78	10.45	1.63	0.503	0.919	0.714	0.349	0.0696	-0.73	-0.5	2640	130	12.8	692	130	-7	780	55	-10	120
MLD4464	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4465	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4466	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4467	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4468	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4469	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4470	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4471	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4472	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4497	3.74	3.28	1.55	0.304	1.245	0.216	0.185	0.0345	6.64	-0.5	-10	70	1	-2	20	-7	120	36	-10	10
MLD4496	1.65	0.043	0.258	0.0359	1.14	0.45	0.0028	0.014	28.6	1.7	670	40	15.8	15	40	-7	1900	21	-10	-10
MLD4495	0.005	0.014	-0.006	-0.0007	0.0029	0.012	0.0016	0.0004	0.06	-0.5	-10	50	-0.5	-2	10	14	40	1	-10	-10
MLD4476	5.78	9.26	4	1.22	1.44	0.975	0.26	0.0998	0.94	-0.5	-10	70	2.7	-2	30	56	140	93	-10	60
MLD4477	5.36	11.6	2.34	0.673	1.135	0.874	0.317	0.0937	0.53	-0.5	100	130	4	4	30	48	450	52	-10	1320
MLD4478	2.95	3.1	1.26	0.1325	2.09	0.474	0.125	0.0646	4.21	0.5	50	20	9	14	20	-7	780	44	-10	70
MLD4479	2.66	3.76	1.22	0.21	1.2	0.444	0.151	0.0594	0.83	-0.5	490	30	20.2	8	10	-7	230	24	-10	70
MLD4480	4.23	5.63	1.86	0.648	1.38	0.626	0.233	0.0624	1.06	-0.5	890	70	30.2	9	20	-7	310	33	-10	60
MLD4481	4.14	8.68	2.47	0.489	0.935	0.923	0.343	0.0956	1.77	-0.5	180	150	33	50	30	7	670	33	10	130
MLD4482	3.11	3.54	1.57	0.267	1.905	0.773	0.1865	0.0786	3.53	-0.5	170	120	31.5	124	40	-7	1820	34	60	120
MLD4483	3.05	4.83	1.535	0.376	1.125	0.635	0.265	0.062	1.36	0.6	750	110	59.3	53	30	-7	1130	30	-10	130
MLD4484	3.14	5.72	2.11	0.497	0.72	0.911	0.3	0.0786	2.36	0.6	760	2500	88.1	79	50	-7	1360	36	40	140
MLD4485	3.27	4.25	1.28	0.401	0.78	0.556	0.313	0.0621	-0.22	-0.5	670	-1111	38.2	25	30	-7	610	22	20	140
MLD4486	3.62	4.99	1.625	0.438	0.883	0.667	0.313	0.0692	0.37	-0.5	360	8790	24.2	25	10	-7	550	16	-10	100
MLD4487	2.9	4.66	1.22	0.46	0.644	0.348	0.209	0.0585	6.33	1	13700	480	42.4	258	290	-7	3270	37	80	160
MLD4488	4.01	5.52	1.68	0.301	2.12	0.719	0.1945	0.0777	3.59	0.6	1910	200	60.7	264	70	-7	1210	30	-10	80
MLD4489	4.49	11.2	1.955	0.556	0.65	0.809	0.259	0.0895	0.21	-0.5	1220	350	15	92	60	7	1170	67	-10	110
MLD4490	4.82	11.45	2.48	0.465	0.887	0.964	0.292	0.0884	2.26	-0.5	890	530	11.7	41	50	26	550	67	-10	100
MLD4491	4.09	9.71	2.13	0.386	0.564	0.92	0.336	0.0834	0.96	-0.5	290	460	10.2	25	20	-7	420	58	-10	320
MLD4492	4.68	9.9	2.76	0.596	0.842	1.01	0.248	0.0876	1.28	-0.5	430	470	7.7	24	40	20	310	49	-10	180
MLD4493	5.92	6.11	2.96	1.425	1.46	1.21	0.1445	0.1	3.35	-0.5	640	130	8.5	17	60	37	390	81	10	40

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4494	5.76	5.79	2.13	1.035	1.455	1.01	0.1425	0.0895	4.14	-0.5	1880	1330	48.8	86	60	-7	520	74	-10	10
MLD4512A	3.68	3.28	1.55	0.283	1.235	0.207	0.1795	0.0347	7.01	-0.5	-10	90	0.8	-2	-10	-7	50	31	-10	-10
MLD4511A	2.66	0.836	0.789	0.0583	0.923	0.533	0.258	0.0565	1.79	-0.5	260	40	5	30	20	-7	300	1	30	190
MLD4510A	0.005	0.065	0.022	-0.0007	-0.0008	0.024	0.0096	-0.0004	-0.2	-0.5	-10	10	-0.5	-2	-10	-7	-10	-1	-10	-10
MLD4498A	4.38	23.1	2.21	0.577	0.262	0.896	0.202	0.0874	11.15	-0.5	60	760	1	58	20	-7	110	50	-10	20
MLD4499A	3.71	28	1.795	0.0739	0.1495	0.815	0.196	0.0791	13.95	-0.5	60	1250	0.8	28	50	-7	210	34	50	50
MLD4500A	4.03	25.1	2.11	0.35	0.173	0.942	0.221	0.0855	10.35	-0.5	190	1580	0.7	14	50	14	190	36	-10	50
MLD4501A	4.21	24.7	2.3	0.247	0.313	1.03	0.215	0.0943	11.55	-0.5	130	1510	0.8	7	20	-7	130	40	-10	10
MLD4502A	4.07	25	2.07	0.158	0.149	0.911	0.2	0.0827	8.03	-0.5	160	1650	0.9	37	50	-7	300	40	-10	40
MLD4503A	4.4	24.3	1.78	0.407	0.211	0.731	0.288	0.0733	9.15	-0.5	40	690	0.9	9	40	-7	160	33	-10	50
MLD4504A	4.91	20.9	2.38	0.421	0.389	1.025	0.274	0.0869	4.85	-0.5	80	910	1	7	40	62	190	53	-10	60
MLD4505A	4.1	24.3	1.965	0.382	0.285	0.876	0.257	0.0819	10.4	-0.5	-10	320	1	-2	60	34	230	49	60	70
MLD4506A	4.46	21.6	2.39	0.136	0.0717	1.035	0.3	0.0873	1.57	-0.5	120	1390	0.9	17	90	60	480	62	80	70
MLD4507A	3.81	24.6	1.765	0.1635	0.245	0.714	0.263	0.075	10.65	-0.5	-10	320	0.8	-2	40	68	260	34	-10	40
MLD4508A	5.44	14.55	2.51	1.26	0.403	1.235	0.261	0.1015	0.25	-0.5	-10	380	1.3	-2	60	66	340	48	20	80
MLD4509A	4.1	25.6	1.565	0.1225	0.0851	0.857	0.282	0.0787	7.81	-0.5	90	800	0.9	12	10	-7	220	43	-10	40
MLD4638	2.71	0.728	0.712	0.0413	0.893	0.532	0.244	0.0499	1.8	-0.5	320	70	5.7	28	30	20	290	5	140	220
MLD4639	0.999	0.91	0.551	0.049	0.1625	0.064	0.25	0.0211	5.02	-0.5	40	80	0.7	-2	-10	104	70	28	-10	40
MLD4667	3.79	3.24	1.53	0.279	1.23	0.219	0.1795	0.0349	6.13	-0.5	10	40	0.9	2	-10	-7	60	36	-10	30
MLD4665	0.095	0.321	0.064	-0.0007	0.014	0.11	0.014	0.0048	-0.11	-0.5	-10	-10	-0.5	2	-10	-7	-10	5	20	-10
MLD4666	1.695	0.057	0.276	0.0356	1.155	0.459	0.0046	0.0162	28.7	0.8	620	20	16.1	22	10	-7	1800	33	-10	-10
MLD4616	0.997	0.924	0.562	0.0542	0.163	0.066	0.257	0.0218	4.52	-0.5	30	30	0.8	-2	10	-7	90	29	30	60
MLD4637	0.035	0.03	-0.006	-0.0007	0.0082	0.014	0.0016	-0.0004	0.3	-0.5	-10	20	-0.5	2	-10	-7	-10	-1	-10	-10
MLD4614	0.036	0.014	-0.006	-0.0007	0.0194	0.013	0.0032	-0.0004	-0.32	-0.5	-10	-10	-0.5	4	-10	-7	-10	-1	20	-10
MLD4615	1.825	0.05	0.229	0.0553	1.22	0.456	0.0031	0.0118	28.7	1.3	660	20	16.9	20	20	-7	1740	26	10	-10
MLD4594	11.5	0.561	0.674	0.0401	0.339	2.24	0.254	0.107	10.75	-0.5	50	70	1.8	-2	50	316	180	173	-10	230
MLD4595	10.85	0.956	1.31	0.0584	0.1415	1.91	0.281	0.0929	10.3	-0.5	30	60	1.7	-2	90	374	200	218	70	360
MLD4596	9.89	0.92	1.055	0.0795	0.385	1.97	0.482	0.0982	10.2	-0.5	30	60	1.9	-2	70	284	290	176	-10	200
MLD4597	10.7	1.64	1.14	0.0441	0.572	1.83	0.269	0.0547	9.65	0.5	20	50	1.8	-2	60	310	170	115	50	190
MLD4598	9.96	3.72	1.555	0.0857	0.954	1.685	0.266	0.0526	8.27	-0.5	-10	-10	1.9	-2	80	185	160	125	120	250
MLD4599	10.55	4.29	1.135	0.0411	0.709	1.815	0.283	0.1625	8.52	-0.5	20	20	2.3	-2	60	144	180	104	90	200
MLD4600	9.85	4.97	0.963	0.0552	1.1	1.73	0.308	0.1585	7.68	-0.5	10	30	1.7	-2	50	130	190	94	60	190
MLD4601	9.43	3.86	1.01	0.0393	0.921	2.35	0.285	0.0866	7.96	-0.5	-10	40	2.1	-2	60	326	180	93	90	180
MLD4602	10.8	1.74	1.13	0.0565	1.025	2.16	0.287	0.073	9.16	-0.5	10	50	1.9	-2	50	222	160	97	-10	190
MLD4603	10.45	2.11	0.666	0.0467	0.624	2.46	0.321	0.1455	9.5	-0.5	20	60	2.4	-2	60	311	160	119	30	180
MLD4604	10.65	2.21	0.642	0.085	0.721	2.27	0.262	0.113	9.52	-0.5	10	70	2.2	-2	50	207	170	102	60	200
MLD4605	9.43	1.65	0.767	0.0768	0.682	2.11	0.245	0.1855	8.99	0.7	10	110	1.7	-2	30	46	210	93	-10	90
MLD4606	9.08	1.87	0.868	0.173	0.743	2.21	0.223	0.203	8.62	-0.5	-10	90	1.6	-2	40	128	230	84	-10	90
MLD4607	9.04	1.62	1.02	0.617	0.554	1.955	0.232	0.206	8.48	-0.5	-10	100	1.6	-2	50	104	250	87	-10	120
MLD4608	8.67	1.81	1.095	0.695	1.42	1.735	0.231	0.211	7.4	-0.5	-10	120	1.7	-2	50	100	250	96	-10	140
MLD4609	9.47	1.92	1.11	0.27	1.085	1.94	0.241	0.205	8.38	-0.5	-10	120	1.7	-2	70	122	170	85	80	250
MLD4610	9.49	1.545	0.768	0.661	1.485	1.95	0.198	0.213	7.88	-0.5	-10	100	1.8	-2	60	188	250	97	20	130
MLD4611	8.73	2.97	1.245	0.333	0.738	2.11	0.189	0.201	7.64	-0.5	10	90	1.4	-2	30	120	220	75	-10	170
MLD4612	9.29	2.24	0.975	0.352	0.851	1.96	0.201	0.218	8	-0.5	20	120	1.4	-2	40	94	180	75	20	340
MLD4613	8.96	2.77	1.155	0.437	0.781	2.39	0.127	0.196	7.51	-0.5	10	90	1.5	-2	50	178	160	75	80	460
MLD4617	9.52	1.96	0.987	0.175	0.718	2.27	0.1975	0.191	8.72	-0.5	10	70	1.9	-2	60	121	200	81	90	460
MLD4618	9.05	1.06	0.955	0.0524	0.829	2.3	0.192	0.0937	9.24	-0.5	20	30	1.6	-2	50	102	260	74	-10	480
MLD4619	9.51	1.65	1.475	0.352	0.866	1.825	0.251	0.1495	8.45	-0.5	10	30	1.8	-2	50	102	150	89	40	320
MLD4620	9.35	1.6	1.785	0.474	1.28	2.2	0.134	0.16	8.98	0.5	10	70	2	-2	50	132	180	94	10	410
MLD4621	11.9	0.188	0.506	0.1215	1.27	2.25	0.379	0.1965	11.25	-0.5	20	60	2.4	-2	70	83	210	116	80	390
MLD4622	13.5	0.1	0.956	0.0998	1.05	3.39	0.229	0.251	12.45	-0.5	-10	170	2.9	-2	80	282	220	147	100	250
MLD4623	10.95	1.23	1.36	0.571	0.417	2.06	0.217	0.1405	9.58	-0.5	20	70	2.1	-2	50	248	160	129	-10	130
MLD4624	12.25	0.198	1.025	0.155	0.906	2.51	0.213	0.1495	11.25	-0.5	30	80	2.8	-2	70	412	140	138	90	170
MLD4625	12.35	0.166	0.367	0.0515	0.113	2.38	0.985	0.1385	12.9	-0.5	340	100	2.7	8	60	152	140	183	30	290
MLD4626	10.95	5.42	0.728	0.192	0.0894	1.915	0.854	0.1235	9.57	-0.5	280	310	2.1	3	20	156	100	138	-10	310
MLD4627	10.6	4.65	1.275	0.366	1.315	2.36	0.435	0.142	8.04	0.6	330	120	1.6	-2	80	383	130	184	100	290
MLD4628	6.94	11.25	3.34	1.21	0.768	1.52	0.212	0.1025	1.88	-0.5	180	340	1	-2	40	257	60	119	20	160
MLD4629	7.39	7.83	3.55	1.965	1.01	1.635	0.172	0.1025	1.71	-0.5	60	420	1.2	-2	50	225	90	110	100	180
MLD4630	7.12	11.9	3.38	1.02	0.764	1.49	0.191	0.104	2.04	-0.5	260	90	0.9	-2	60	223	80	97	120	170
MLD4631	10.8	5.46	1.01	0.0843	0.302	2.09	0.594	0.125	9.4	-0.5	610	90	2	20	40	244	240	145	-10	350
MLD4632	7.52	14.3	2.7	0.576	0.266	1.59	0.363	0.12	3.24	-0.5	400	1980	1.1	7	60	297	250	101	80	210
MLD4633	7.21	16.65	2.45	0.503	0.1335	1.4	0.337	0.107	2.98	-0.5	350	2810	1	13	70	251	300	75	140	170
MLD4634	8.51	6.61	1.56	1.815	0.485	1.61	0.257	0.1565	5.28	0.7	270	270	1.6	-2	50	235	150	92	80	270
MLD4635	8.46	5.39	1.52	2.26	0.92	1.63	0.1855	0.1375	4.93	0.7	150	260	1.7	-2	40	134	120	57	20	170

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MLD4636	7.64	6.99	2.23	2.12	1	1.425	0.1425	0.1295	3.44	0.6	50	110	1.3	-2	40	124	110	63	60	130
MLD4640	7.65	6.03	2.08	1.935	1.265	1.515	0.1475	0.1415	4.43	-0.5	30	110	1.7	-2	60	158	130	119	120	160
MLD4641	8.3	5.21	1.59	1.035	1.11	1.69	0.192	0.178	6.62	0.6	50	80	1.6	-2	60	252	140	90	90	200
MLD4642	7.92	5.33	1.26	0.549	1.33	1.695	0.1785	0.1745	6.89	1.5	30	80	1.3	-2	60	174	150	92	120	290
MLD4643	7.55	4.66	1.415	0.374	1.07	2.04	0.147	0.199	7.45	1.2	-10	80	1.6	-2	50	176	240	85	10	260
MLD4644	8.33	4.99	1.45	0.773	1.135	1.905	0.153	0.188	7.13	0.8	10	80	2	-2	40	142	120	91	40	220
MLD4645	7.43	8.17	1.94	1.315	0.733	1.95	0.189	0.164	4.14	1.2	-10	80	1.4	-2	40	98	130	77	60	150
MLD4646	7.39	7.95	2.63	1.08	0.857	1.955	0.1415	0.1505	5.1	0.5	-10	50	1.4	3	50	96	150	67	100	150
MLD4647	7.72	6.54	2.2	1.005	1.195	1.965	0.13	0.1645	4.95	-0.5	-10	50	1.6	2	30	140	130	79	20	140
MLD4648	6.75	11.3	2.61	1.035	0.898	1.765	0.1255	0.149	7.06	-0.5	-10	60	1.4	3	20	90	110	58	10	130
MLD4649	3.87	23.8	1.935	0.706	0.435	0.941	0.0857	0.0813	18.45	-0.5	-10	230	0.7	2	30	60	80	39	60	50
MLD4650	3.38	25.9	1.525	0.564	0.408	0.8	0.101	0.0709	17.9	-0.5	-10	200	0.7	4	20	14	60	33	60	80
MLD4651	4.68	22.6	2.09	0.263	0.325	1.09	0.248	0.0892	9.32	-0.5	120	1950	0.9	2	50	79	290	49	110	120
MLD4652	3.62	27.9	1.75	0.123	0.1145	0.878	0.1995	0.0744	15.2	-0.5	180	2210	0.7	9	-10	-7	160	35	-10	80
MLD4653	3.57	28.2	1.82	0.0799	0.0551	0.946	0.196	0.0781	14.65	-0.5	330	2460	0.7	7	40	46	290	36	110	120
MLD4654	3.3	28.7	1.74	0.0301	0.0123	0.744	0.239	0.0688	15.95	-0.5	220	2100	0.9	7	10	21	220	29	40	100
MLD4655	4.46	25	2.23	0.0292	0.0025	1.015	0.252	0.0885	6.35	-0.5	490	5290	1.1	18	50	40	340	44	100	200
MLD4656	4.52	19.75	2.09	0.481	0.1805	0.966	0.222	0.0785	3.05	-0.5	200	3200	1	7	30	61	310	50	60	150
MLD4657	3.42	25.7	1.72	0.245	0.382	0.671	0.204	0.067	13.5	-0.5	80	2620	0.7	4	50	33	270	39	100	90
MLD4658	2.4	30.5	1.14	0.298	0.296	0.485	0.139	0.0532	22.9	-0.5	40	3300	0.6	7	20	27	70	23	70	130
MLD4659	4.63	23.2	2.53	0.144	0.335	1.065	0.225	0.0845	7.2	-0.5	140	1770	1.2	8	30	61	230	50	70	140
MLD4660	5.43	15.4	3.01	1.145	0.743	1.235	0.208	0.0906	3.28	-0.5	20	380	1.2	-2	40	145	220	70	100	140
MLD4661	5.8	11	3.29	0.959	1.19	1.445	0.208	0.0977	1.94	-0.5	-10	80	1.1	2	50	128	140	77	80	160
MLD4662	6.45	9.04	4.05	1.535	1.195	1.625	0.172	0.113	2.01	-0.5	-10	40	1.4	-2	50	208	140	89	110	250
MLD4663	4.94	19.05	3.46	0.213	0.473	1.25	0.219	0.0961	2.32	-0.5	40	540	1.4	8	20	82	100	62	-10	510
MLD4664	6.02	11.15	4.28	1.06	0.777	1.455	0.228	0.109	2.02	-0.5	-10	30	1.1	4	40	156	100	80	70	210
MLD4668	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4669	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4670	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4691	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4692	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4689	2.72	0.742	0.736	0.0605	0.952	0.552	0.248	0.0532	0.72	-0.5	340	50	5.5	33	20	-7	320	9	70	230
MLD4690	2.68	0.508	0.479	0.04	0.0144	0.245	0.046	0.0304	8.91	-0.5	50	70	2.8	-2	-10	-8	80	19	-10	120
MLD4688	0.011	0.088	0.009	-0.0007	-0.0008	0.017	0.0032	0.0015	-0.31	-0.5	-10	10	-0.5	4	-10	-7	10	-1	20	-10
MLD4671	6.27	11.55	2.15	1.115	1.375	0.89	0.289	0.0933	0.69	-0.5	270	930	3.1	24	70	186	280	61	140	120
MLD4672	3.38	15.2	1.51	0.0756	0.124	0.596	0.435	0.0637	0.07	-0.5	300	7720	3.1	63	20	94	480	28	40	160
MLD4673	1.61	9.18	1.005	0.0786	0.233	0.248	0.186	0.0662	5.61	0.9	580	-1111	1.3	295	40	-7	3970	11	-10	140
MLD4674	1.135	8.43	1.155	0.0501	0.612	0.269	0.243	0.0492	0.77	-0.5	100	-1111	4.6	304	20	-7	570	-1	100	180
MLD4675	1.53	4.64	1.16	0.0521	1.255	0.234	0.263	0.0436	4.11	0.6	1260	6970	8.3	722	50	-7	1480	14	-10	120
MLD4676	3.22	2.29	1.35	0.0985	3.28	0.559	0.127	0.076	2.75	0.6	2670	210	14.5	360	90	29	1240	46	130	140
MLD4677	5.14	15.3	2.26	0.372	1.205	0.863	0.328	0.0956	2.45	-0.5	1970	2100	5	133	120	77	440	62	60	130
MLD4678	5.46	6.53	2.19	0.979	1.435	0.827	0.254	0.0797	1.32	-0.5	-1111	130	7.8	403	280	83	370	71	60	130
MLD4679	4.26	8.14	2.14	0.1645	2.4	0.858	0.198	0.0784	1.43	-0.5	70	1100	4.9	161	20	83	500	55	40	80
MLD4680	2.83	3.24	0.972	0.0751	1.57	0.507	0.0759	0.0541	9.88	-0.5	300	150	23.9	668	30	63	890	37	120	90
MLD4681	3.34	8.27	1.23	0.161	1.275	0.655	0.1455	0.0791	13.95	-0.5	260	370	8.3	310	60	85	640	17	210	130
MLD4682	4.64	20.7	2.06	0.736	0.896	0.783	0.235	0.0686	11.1	-0.5	50	680	1.2	12	60	91	300	41	120	60
MLD4683	4.4	20.5	1.945	0.347	0.561	0.897	0.206	0.0813	6.98	-0.5	50	390	1.6	5	40	112	580	50	70	70
MLD4684	5.27	20.4	2.64	0.418	0.398	1.19	0.241	0.096	1.74	-0.5	60	550	1.5	5	20	118	300	68	-10	80
MLD4685	5.11	22.8	2.4	0.26	0.1715	1	0.227	0.0906	3.24	-0.5	90	700	1.2	-2	30	108	210	63	-10	80
MLD4686	5.52	18.75	2.62	0.64	0.861	1.12	0.202	0.0907	3.45	-0.5	30	390	1.3	-2	60	174	130	63	110	110
MLD4687	5.15	17.25	2.63	0.1325	0.207	1.105	0.285	0.0851	2.93	-0.5	80	640	5.4	11	40	108	340	61	20	110
MLD4709	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4710	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4711	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4693	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4694	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4695	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4696	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4697	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4698	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4699	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4700	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4701	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
MLD4702	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999

Appendix F: Drill Hole Assays

[illegible]

D_+	D_+	D_+	D_+

[illegible]

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RWD1103	0.273	23.7	11.35	0.1005	-0.0008	-0.006	0.0807	0.0102	38	-0.5	-10	290	3.5	-2	-10	-7	-10	-1	-10	90
RWD1104	1.425	17.35	10.8	0.253	0.679	-0.006	0.1885	0.0105	30.5	-0.5	-10	190	3.4	-2	-10	-7	-10	-1	-10	80
RWD1084	2.31	12.65	7.9	0.521	1.15	0.03	0.231	0.011	22.5	-0.5	-10	200	5.1	27	-10	-7	170	11	-10	150
RWD1105	7.48	0.822	0.521	1.965	3.28	-0.006	0.0395	0.0173	1.85	-0.5	-10	920	2.9	-2	10	-7	80	1	10	-10
RWD1106	7.96	0.495	0.196	2.62	3.21	-0.006	0.0637	0.0188	1.04	-0.5	-10	750	3.2	-2	-10	-7	-10	3	-10	-10
RWD1107	7.76	0.853	0.2	2.74	2.68	-0.006	0.0673	0.0162	1.33	-0.5	-10	390	3.3	-2	-10	-7	10	3	-10	-10
RWD1108	7.71	0.659	0.154	2.39	3.05	-0.006	0.0354	0.0152	1.15	-0.5	-10	640	2.6	-2	-10	-7	-10	9	-10	-10
RWD1109	7.38	0.568	0.126	2.36	2.79	-0.006	0.05	0.014	1.01	-0.5	-10	760	2.8	-2	-10	-7	10	1	-10	-10
RWD1110	7.36	0.657	0.15	2.22	3.27	0.012	0.0403	0.0194	1.17	-0.5	-10	320	3.3	-2	10	-7	20	5	-10	-10
RWD1111	7.2	0.726	0.146	2.23	3.22	0.006	0.0487	0.0187	1.24	-0.5	-10	190	3.7	3	10	-7	20	13	10	-10
RWD1112	7.38	0.565	0.081	2.55	2.99	-0.006	0.0591	0.0181	0.63	-0.5	40	490	4	3	-10	-7	-10	2	-10	-10
RWD1113	7.38	0.41	0.164	1.94	3.14	-0.006	0.0495	0.0148	1	-0.5	20	1060	5.5	2	10	-7	10	-1	-10	-10
RWD1114	2.37	10.5	11.45	0.712	0.972	0.006	0.123	0.0148	20.5	-0.5	-10	280	6.4	508	-10	-7	-10	8	-10	270
RWD1115	0.005	21.9	11.7	0.1105	0.0152	-0.006	0.0838	0.0052	45.3	-0.5	-10	20	0.8	-2	-10	-7	-10	3	-10	-10
RWD1116	0.016	22.4	11.85	0.117	0.0235	-0.006	0.0522	0.007	45.1	-0.5	-10	30	0.8	2	-10	-7	-10	1	-10	-10
RWD1085	1.47	17.75	9.51	0.1675	0.221	0.132	0.1735	0.043	16.4	-0.5	10	170	0.8	-2	20	-7	60	59	40	100
RWD1086	2.07	17.2	9.28	0.142	0.359	0.152	0.1535	0.0402	9.3	-0.5	-10	140	0.9	-2	-10	-7	90	61	-10	210
RWD1087	2.18	16.05	8.93	0.1205	0.345	0.164	0.146	0.043	3.55	0.5	-10	190	2.1	178	10	-7	100	56	20	590
RWD1088	4.05	3.86	3.4	1.295	1.425	0.627	0.0878	0.0756	2.21	-0.5	10	120	1.3	-2	-10	-7	60	67	-10	100
RWD1089	1.835	15.5	10.35	0.269	0.22	0.308	0.1285	0.0682	13.3	-0.5	-10	90	0.7	5	-10	-7	90	23	-10	160
RWD1090	4.35	11.65	6.65	0.512	1.145	0.901	0.235	0.1155	3.86	-0.5	80	50	2.6	-2	40	261	210	141	-10	400
RWD1091	2.16	13.9	11.25	0.2	0.443	0.164	0.355	0.1395	18.85	-0.5	-10	690	2.7	-2	10	-7	60	20	10	540
RWD1092	0.617	2.11	9.85	0.118	0.0279	0.031	0.752	0.1585	26.8	-0.5	60	850	4.1	-2	-10	-7	40	13	-10	-10
RWD1093	1.41	1.975	9.08	0.134	0.527	0.037	0.401	0.1505	20	-0.5	490	2310	7.4	14	-10	-7	50	5	-10	30
RWD1094	6.39	2.36	2.83	1.19	2.71	0.037	0.0687	0.0233	5.42	-0.5	-10	1140	12.6	-2	-10	-7	10	6	-10	-10
RWD1133	0.302	0.022	-0.006	-0.0007	0.0609	0.006	0.0035	0.0014	-0.01	-0.5	-10	-10	-0.5	-2	-10	-7	-10	4	-10	-10
RWD1134	2.73	0.751	0.774	0.0382	0.935	0.541	0.253	0.0557	1.62	-0.5	290	30	5.4	30	-10	-7	270	5	-10	190
RWD1135	3.7	3.19	1.545	0.273	1.23	0.216	0.186	0.034	6.98	-0.5	-10	60	0.9	-2	10	-7	90	30	-10	20
RWD1136	5.84	8.9	8.39	0.1825	0.462	1.245	0.631	1.135	7.11	-0.5	-10	60	25.8	-2	-10	-7	20	43	-10	740
RWD1137	2.2	17.15	11.55	0.157	0.1875	0.463	0.452	0.221	30.3	-0.5	-10	20	6	-2	20	-7	30	16	-10	210
RWD1138	0.99	16.45	9.79	0.0655	0.0278	0.05	2.95	0.495	37.5	-0.5	-10	10	16.8	3	-10	-7	-10	13	-10	150
RWD1139	1.335	4.68	4.88	0.013	0.271	0.105	1.285	0.224	7.78	-0.5	-10	40	9	2	20	-7	10	47	-10	260
RWD1120	7.3	7.26	5.38	0.1065	0.203	0.512	2.75	2.22	7.75	-0.5	-10	10	52.2	12	130	87	80	461	-10	3210
RWD1121	11.05	6.93	6.48	0.1175	0.0557	0.68	0.917	3.06	6.96	-0.5	-10	-10	54.9	4	110	43	190	343	30	2840
RWD1122	10.4	2.99	1.165	0.0766	0.0721	0.746	0.621	0.988	10.6	-0.5	50	-10	26	5	50	115	230	102	10	1340
RWD1123	10.55	0.289	1.295	0.0639	1.545	2.44	0.116	0.24	8.53	-0.5	110	10	13.5	3	20	347	240	148	-10	360
RWD1124	8.6	0.065	0.631	0.0544	0.785	0.577	0.202	0.264	7.78	-0.5	110	20	18.4	3	10	21	400	44	-10	440
RWD1125	9.01	0.037	0.112	0.0432	0.482	0.156	0.0184	0.05	5.95	-0.5	-10	60	5.3	2	10	-7	70	11	10	-10
RWD1126	9.02	0.022	0.055	0.0529	0.458	0.055	0.0081	0.0433	5.9	0.6	-10	120	3.8	4	-10	-7	40	3	-10	-10
RWD1127	8.64	0.015	0.059	0.0395	0.426	0.061	0.0058	0.0173	5.5	-0.5	-10	40	2.4	3	-10	-7	30	4	-10	-10
RWD1128	8.89	0.021	0.087	0.0446	0.472	0.076	0.0117	0.0209	5.77	-0.5	-10	90	2.2	7	10	-7	50	6	10	-10
RWD1129	8.69	0.021	0.083	0.0651	0.884	0.092	0.0329	0.0209	5.49	2	-10	60	2	2	10	-7	50	4	-10	-10
RWD1130	8.22	0.017	0.058	0.0791	2.09	0.043	0.014	0.0313	5.02	-0.5	-10	30	3.2	-2	-10	-7	40	7	-10	-10
RWD1131	8.22	0.086	1.255	0.0354	1.685	0.603	0.112	0.0962	5.84	-0.5	-10	-10	5.6	-2	20	35	90	54	-10	110
RWD1132	9.6	0.052	1.56	0.0857	3.02	0.642	0.1525	0.0436	5.62	-0.5	-10	30	4	-2	20	105	90	113	-10	180
RWD1140	9.37	0.621	1.395	1.155	4.17	0.552	0.0864	0.0544	2.44	-0.5	-10	300	3.4	-2	30	63	70	70	-10	40
RWD1141	9.35	0.582	1.615	1.25	4.37	0.56	0.1275	0.0615	2.63	-0.5	-10	170	5.5	-2	40	68	40	65	-10	50
RWD1142	10.25	0.62	2.22	1.08	3.31	0.713	0.161	0.0946	2.24	-0.5	-10	310	3.7	-2	40	97	20	82	-10	50
RWD1143	9.52	0.347	1.975	1.485	3.78	0.677	0.115	0.0796	1.74	-0.5	-10	140	3.6	-2	50	95	40	77	10	40
RWD1144	8.71	1.96	2.63	1.405	3.81	0.565	0.1165	0.0845	4.45	-0.5	-10	-10	3.5	-2	30	56	40	63	-10	30
RWD1145	6.51	0.286	0.118	2.2	4.4	0.06	0.028	0.0148	0.65	-0.5	-10	40	4.7	-2	20	-7	40	2	20	-10
RWD1167	1.65	0.035	0.25	0.0436	1.1	0.428	0.0016	0.0144	30	1.7	660	100	14.8	17	30	-7	1760	23	-10	30
RWD1190	2.59	0.508	0.484	0.0857	0.0139	0.245	0.0447	0.0308	8.92	2.3	70	160	2.6	-2	-10	-7	90	17	-10	90
RWD1189	2.76	0.751	0.783	0.104	0.929	0.561	0.252	0.0544	1.73	0.9	350	70	5.2	25	40	-7	300	5	20	210
RWD1166	0.011	0.012	-0.006	-0.0007	0.0058	0.016	0.0024	0.0023	0.04	-0.5	-10	130	-0.5	-2	-10	72	-10	2	-10	-10
RWD1168	2.62	0.508	0.488	0.0374	0.0142	0.239	0.0479	0.0309	8.91	0.6	70	100	3	-2	-10	-8	90	16	-10	120
RWD1188	0.011	0.011	-0.006	-0.0007	0.0116	0.026	-0.0008	0.0005	0.03	-0.5	-10	60	-0.5	-2	-10	-7	-10	2	-10	-10
RWD1146	1.41	21.3	8.12	0.0953	0.0582	0.082	0.972	0.284	36.3	0.5	-10	20	10.9	-2	-10	-7	30	5	-10	20
RWD1147	3.25	5.4	4.27	0.0851	0.927	0.186	7.02	2.37	10.5	-0.5	130	20	50	3	40	-7	180	68	-10	1810
RWD1148	3.41	4.85	3.11	0.0931	0.24	0.182	11.1	2.01	11.4	-0.5	280	110	44.5	-2	70	-7	150	50	-10	1500
RWD1149	4.35	4.78	2.61	0.0752	0.291	0.232	5.41	2.19	11.3	-0.5	290	140	47.9	-2	340	55	270	295	-10	1710
RWD1150	13.6	2.45	0.731	0.0453	0.0378	0.936	0.615	1.64	12.5	1	170	150	56.1	-2	140	-7	290	82	-10	480
RWD1151	15.9	0.471	0.266	0.0403	0.0221	0.868	0.1515	0.608	13.4	-0.5	300	170	37.2	-2	10	60	210	45	-10	200
RWD1152	12.35	0.092	0.36	0.0357	0.0148	0.742	0.299	0.39	11.3	0.7	250	120	41.7	2	10	8	220	33	-10	210

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RWD1153	11.55	0.5	1.255	0.0452	0.119	0.627	1.95	0.42	12.65	-0.5	120	100	36.1	97	40	62	210	88	-10	420
RWD1154	5.97	1.445	4.23	0.1245	0.626	0.394	3.78	0.61	10.15	0.6	260	110	47.1	35	710	21	200	365	-10	1040
RWD1155	2.9	7.35	4.87	0.414	0.74	0.237	1.09	0.075	5	-0.5	50	240	4.1	-2	30	14	160	55	-10	80
RWD1156	2.42	3.5	3.03	0.123	0.222	0.346	17.9	0.597	26.5	1.5	70	150	30.4	5	260	-7	180	112	-10	530
RWD1157	8.6	1.155	8.18	0.238	3.29	1.635	0.1575	0.35	5.2	-0.5	20	220	10	2	230	30	180	166	-10	1700
RWD1158	4.64	0.674	2.13	0.102	0.884	0.367	13.85	0.314	12.15	0.7	170	150	71.1	9	410	-7	200	302	-10	1550
RWD1159	6.54	0.379	1.6	0.0881	0.198	0.393	3.78	0.201	12.1	-0.5	650	170	63.3	34	180	-7	310	201	30	1000
RWD1160	4.2	0.17	0.478	0.0206	0.275	0.292	0.704	0.0546	4.71	-0.5	140	230	8.3	-2	30	-7	70	31	-10	200
RWD1161	13.6	0.076	0.402	0.0664	1.185	2.12	0.139	0.217	10.85	-0.5	940	180	25.6	-2	-10	508	270	70	-10	250
RWD1162	11.6	0.061	0.369	0.0354	0.218	0.916	0.695	0.34	11.75	0.9	1210	10	30.3	-2	50	254	470	82	20	330
RWD1163	2.54	0.023	0.245	0.0582	0.0305	0.436	0.1195	0.348	9.51	-0.5	3660	180	45.4	38	10	78	730	52	110	420
RWD1164	1.37	0.016	0.054	0.0369	0.0017	0.07	0.104	0.249	7.23	-0.5	2620	150	56.1	105	20	-7	1040	13	160	310
RWD1165	4.07	0.019	0.285	0.0565	0.216	0.333	0.1085	0.412	11.35	-0.5	2400	430	42	96	30	21	1330	45	120	370
RWD1169	3.77	0.008	0.152	0.0347	-0.0008	0.184	0.111	0.264	7.55	-0.5	970	230	28.2	2	-10	45	800	41	-10	290
RWD1170	7.91	0.029	0.382	0.0714	0.161	0.481	0.109	0.312	9.73	-0.5	950	200	42.7	171	10	-7	710	64	-10	290
RWD1171	8.95	0.024	0.343	0.0415	0.012	0.464	0.491	0.389	11.15	0.5	910	130	53.6	38	30	-7	680	122	-10	440
RWD1172	9.56	0.027	0.236	0.0466	0.112	0.532	0.706	0.46	12.45	0.5	1220	160	59.1	34	50	-7	480	157	30	610
RWD1173	11.9	0.042	0.299	0.0345	0.0793	0.704	0.373	0.306	12.2	0.9	460	130	46	-2	20	-7	600	111	-10	440
RWD1174	11.55	0.072	0.418	0.0323	0.0185	0.653	0.496	0.373	11.9	-0.5	430	100	44.5	2	30	-7	430	155	-10	600
RWD1175	8.99	0.154	0.805	0.031	1.01	0.792	0.0934	0.119	8.06	0.6	220	140	16.9	-2	-10	113	180	83	-10	330
RWD1176	9.75	0.234	1.69	0.0353	1.27	2.06	0.1155	0.102	9.33	1.3	210	110	19	-2	20	632	230	183	-10	420
RWD1177	12.1	0.294	1.25	0.0428	1.085	1.525	0.0833	0.1705	11.05	-0.5	150	100	22.7	-2	10	612	240	112	-10	400
RWD1178	10	0.366	1.39	0.0448	0.424	2.43	0.1335	0.24	11.95	-0.5	240	20	29.7	11	30	1420	310	117	-10	500
RWD1179	9.82	0.27	1.175	0.0448	0.376	2.26	0.568	0.529	11.55	1.8	340	20	44.7	-2	90	815	320	133	-10	550
RWD1180	7.59	0.1	0.529	0.0477	0.062	0.693	0.712	0.894	11.75	1.7	600	50	57.6	52	70	106	330	104	30	540
RWD1181	9.31	0.189	0.439	0.0402	0.0196	0.552	0.0968	1.085	11.7	0.7	170	60	55.2	7	20	35	180	45	-10	880
RWD1182	4.27	0.054	0.867	0.0437	0.0071	0.222	0.128	0.784	10.25	0.7	360	60	59.6	72	30	-7	350	48	70	1330
RWD1183	9.53	0.087	0.663	0.0404	0.0095	0.593	0.288	0.847	11.7	1.8	240	110	48.9	5	50	7	190	48	-10	810
RWD1184	2.24	0.015	0.128	0.0284	0.0012	0.144	0.115	0.411	6.56	1.1	490	120	46.6	56	10	-7	330	16	-10	360
RWD1185	4.68	0.012	0.126	0.0371	0.115	0.154	0.0585	0.313	11.55	2.3	440	120	33.7	28	10	-7	380	10	-10	400
RWD1186	3.63	0.126	6.37	0.141	2.21	0.208	0.152	0.204	7.44	1.1	1080	360	22.7	114	40	-7	610	12	30	220
RWD1187	3.76	0.283	3.31	0.47	1.26	0.104	0.613	0.0877	18.4	0.6	210	80	8.3	8	30	-7	880	26	-10	790
RWD1206	2.63	0.505	0.503	0.0751	0.0144	0.247	0.0497	0.0308	8.63	-0.5	-10	40	2.4	-2	-10	-7	120	12	-10	80
RWD1205	1.62	0.036	0.271	0.0794	1.125	0.438	0.0034	0.014	30.8	1.1	550	40	12.4	19	40	-7	1840	23	10	-10
RWD1204	0.011	0.014	-0.006	-0.0007	0.0041	0.019	0.003	-0.0004	0.03	-0.5	-10	40	-0.5	-2	-10	-7	-10	3	-10	-10
RWD1231	0.926	0.886	0.564	0.0937	0.16	0.066	0.244	0.0191	4.64	-0.5	30	30	0.8	-2	-10	-7	110	27	10	-10
RWD1229	1.64	0.054	0.283	0.0645	1.175	0.45	0.0031	0.0087	30.8	1.3	580	30	18.1	29	-10	-7	1740	24	-10	-10
RWD1230	0.011	0.064	0.036	-0.0007	0.0065	0.024	0.0099	-0.0004	0.08	-0.5	-10	10	-0.5	-2	-10	-7	-10	1	20	-10
RWD1191	2.97	8.91	6.31	0.536	1.245	0.406	0.1305	0.0839	1.91	-0.5	-10	30	0.9	-2	50	-7	110	111	20	50
RWD1192	2.79	16.9	9.09	0.193	1.09	0.192	0.0759	0.0428	13.5	-0.5	-10	70	1.1	2	-10	-7	20	44	-10	40
RWD1193	2.12	16.3	8.87	0.1185	0.717	0.166	0.1295	0.0285	7.36	-0.5	-10	90	1.4	-2	30	-7	100	44	30	230
RWD1194	1.83	12.6	6.5	0.182	0.505	0.168	0.1515	0.0348	0.48	-0.5	-10	100	1.4	-2	30	-7	150	82	-10	150
RWD1195	2.35	12.85	7.6	0.364	0.678	0.375	0.1115	0.0666	5.76	-0.5	-10	140	2.2	2	20	-7	70	24	-10	40
RWD1196	1.235	12.25	11.65	0.111	0.353	0.085	0.248	0.0542	20.6	-0.5	2110	90	2.9	31	30	-7	90	13	-10	20
RWD1197	5.04	10.85	7.16	0.879	1.665	0.896	0.16	0.088	3.98	-0.5	-10	90	2.6	-2	40	85	60	91	-10	680
RWD1198	3.54	2.35	9.65	0.548	1.25	0.653	0.383	0.1125	11.15	-0.5	-10	4670	11	7	10	100	60	86	-10	120
RWD1199	0.711	0.406	8.83	0.105	0.0432	0.056	0.411	0.0731	16.35	-0.5	-10	8020	15.7	-2	-10	-7	90	10	-10	60
RWD1200	0.661	0.605	12.85	0.1255	0.025	0.032	0.385	0.1785	15.85	-0.5	670	-1111	75.2	3	-10	-7	80	6	-10	10
RWD1201	3.57	1.125	11.6	0.1155	3.67	0.029	0.0593	0.1895	9.71	1.2	4950	1530	116.5	1120	100	-7	1380	12	-10	-10
RWD1202	3.08	2.04	7.25	0.1955	3.13	0.03	0.0813	0.179	1.87	-0.5	4780	380	72.2	579	110	-7	350	-1	-10	90
RWD1203	6.3	0.536	0.485	1.73	4.27	0.049	0.0314	0.0193	1.09	-0.5	80	250	5.6	22	-10	-7	20	8	-10	-10
RWD1221	6.09	0.479	0.23	1.73	4.06	0.06	0.0249	0.0065	1.01	-0.5	-10	210	3.9	4	-10	21	-10	2	90	-10
RWD1222	6.19	0.502	0.184	1.82	4.13	0.055	0.0212	0.0066	1	-0.5	-10	130	4.2	4	-10	21	-10	2	30	-10
RWD1223	6.19	0.264	0.152	1.69	4.32	0.048	0.018	0.0057	0.84	-0.5	-10	300	4.4	6	-10	-7	-10	3	50	-10
RWD1224	6.41	0.477	0.104	1.855	4.06	0.055	0.0236	0.0058	0.83	-0.5	-10	330	4.1	3	-10	7	-10	2	20	-10
RWD1225	6.34	0.457	0.105	1.845	4.2	0.062	0.0231	0.0059	0.87	-0.5	-10	140	4.2	4	-10	-7	-10	2	-10	-10
RWD1226	6.37	0.481	0.109	1.615	4.59	0.055	0.0266	0.008	0.99	-0.5	-10	230	3.8	3	-10	-7	-10	3	30	-10
RWD1227	6.62	0.531	0.17	1.825	4.22	0.075	0.0235	0.0096	1.02	-0.5	-10	320	5.1	3	-10	-7	-10	5	-10	-10
RWD1228	6.35	0.596	0.265	1.595	3.91	0.084	0.0318	0.0096	1.23	-0.5	940	600	4.7	-2	-10	21	-10	2	60	-10
RWD1220	2.58	0.512	0.499	0.076	0.0142	0.24	0.048	0.0312	9.08	-0.5	-10	120	2.5	-2	-10	-7	100	12	-10	90
RWD1218	0.022	0.06	0.041	-0.0007	0.0116	0.006	0.0017	0.0083	0.09	-0.5	-10	80	0.6	-2	-10	-7	-10	3	-10	-10
RWD1219	2.66	0.75	0.771	0.0982	0.913	0.531	0.254	0.0547	1.55	-0.5	270	90	4.8	28	30	-7	290	1	60	190
RWD1232	3.07	7.77	13.5	0.708	0.693	0.006	0.451	0.0052	13.1	-0.5	-10	560	43.6	-2	-10	-7	-10	2	40	440
RWD1233	1.415	3.31	20.1	0.1395	0.108	-0.006	0.684	-0.0004	6.12	-0.5	20	920	9.3	-2	-10	-7	-10	7	-10	1060

Appendix F: Drill Hole Assays

Sample	Al	Ca	Mg	Na	K	Ti	Mn	P	LOI	Ag	As	B	Be	Bi	Co	Cr	Cu	Ni	Pb	Zn
	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RWD1234	0.733	18.25	12.75	0.153	0.418	-0.006	0.159	0.0018	37.5	-0.5	-10	250	4.5	-2	-10	-7	-10	3	-10	70
RWD1207	3.03	12.35	6.89	0.533	1.04	0.21	0.1405	0.0585	6.05	-0.5	250	360	15.5	18	60	-7	290	109	60	110
RWD1208	2.64	14.1	7.26	0.296	0.354	0.164	0.223	0.0422	2.47	-0.5	-10	60	5.4	52	40	-7	150	70	10	170
RWD1209	1.865	17.35	8.82	0.0889	0.111	0.132	0.176	0.0262	4.06	-0.5	-10	110	5.5	4	40	-7	130	35	30	60
RWD1210	1.865	14.9	7.65	0.117	0.321	0.138	0.1455	0.0697	1.04	-0.5	-10	80	5.4	2	30	-7	270	89	-10	350
RWD1211	4.63	1.68	1.735	1.695	1.275	0.676	0.0607	0.0592	0.68	-0.5	-10	60	1.4	-2	30	-7	120	59	-10	10
RWD1212	2.29	17.35	9.8	0.325	0.429	0.466	0.095	0.077	15	-0.5	-10	100	0.5	2	20	-7	30	20	-10	60
RWD1235	1.265	20.4	10.9	0.088	0.434	0.097	0.203	0.0562	24.5	-0.5	-10	140	1.3	-2	-10	14	-10	16	20	-10
RWD1236	5.62	7.3	4.74	0.761	2.18	1.325	0.154	0.142	2.58	-0.5	20	120	1.7	-2	40	464	30	189	100	100
RWD1237	2.99	15.05	8.01	0.828	1.265	0.529	0.205	0.1485	15.3	-0.5	-10	20	3.1	-2	-10	160	-10	79	-10	-10
RWD1213	0.665	15.4	8.99	0.0904	0.0125	0.041	0.182	0.301	27.1	-0.5	-10	350	2.9	2	20	-7	60	-1	-10	10
RWD1214	3.12	2.79	7	0.226	1.795	0.19	0.11	0.0853	6.15	-0.5	790	2260	31.2	95	20	-7	190	11	-10	30
RWD1215	3.31	4.53	5.74	0.31	2.78	0.186	0.106	0.911	1.27	-0.5	2400	160	130	106	20	-7	310	22	-10	40
RWD1216	3.25	3.77	7.44	0.1525	3.2	0.116	0.235	0.027	2.98	-0.5	3840	160	119	227	10	-7	360	15	-10	10
RWD1217	5.52	1.975	0.539	1.555	3.5	0.068	0.0379	0.0144	3.74	-0.5	40	270	4.9	3	10	-7	50	3	10	-10
RWD1257	0.005	0.021	-0.006	-0.0007	0.0061	0.013	-0.0008	0.0037	0.1	-0.5	-10	30	-0.5	-2	-10	-7	-10	1	-10	-10
RWD1259	0.946	0.896	0.563	0.102	0.1705	0.074	0.26	0.027	4.33	-0.5	20	40	0.8	-2	30	-7	100	26	60	40
RWD1258	1.615	0.04	0.265	0.0727	1.145	0.458	0.0035	0.0166	29.9	1.6	630	30	17.1	25	50	-7	1870	35	80	-10
RWD1238	3.05	14.6	9.25	0.083	0.536	0.23	0.105	0.0391	3.83	-0.5	-10	80	4.3	2	10	-7	130	26	-10	330
RWD1239	0.614	27.4	5.6	0.0749	0.455	0.02	0.1555	0.0092	31.2	-0.5	-10	340	2	31	20	-7	90	19	30	-10
RWD1240	3.33	15.7	9.38	0.095	0.482	0.325	0.1185	0.0393	12.25	-0.5	-10	180	3.4	-2	-10	-7	210	39	-10	400
RWD1241	1.7	15.3	9.25	0.1005	0.753	0.169	0.183	0.0412	15.15	-0.5	40	140	21.6	-2	30	-7	200	52	30	50
RWD1242	0.383	19.95	10.75	0.0957	0.1075	0.053	0.0692	0.0108	35	-0.5	-10	140	3.4	-2	20	-7	70	31	10	-10
RWD1243	2.5	11.65	6.43	0.268	1.135	0.207	0.289	0.037	4.26	-0.5	20	130	20.4	5	10	-7	130	34	-10	-10
RWD1244	4.22	12.5	6.4	0.468	1.56	0.314	0.1575	0.0497	3.23	-0.5	-10	150	4.1	-2	30	-7	100	49	70	40
RWD1245	2.06	18.1	9.42	0.0908	0.554	0.154	0.111	0.032	10.95	-0.5	-10	140	3.1	2	20	-7	40	12	60	80
RWD1246	2.34	15.9	8.66	0.1035	1.18	0.188	0.1355	0.0335	10.75	-0.5	-10	170	3	-2	20	-7	80	24	10	110
RWD1247	2.04	16.45	8.76	0.0817	0.532	0.158	0.112	0.0253	4.56	-0.5	60	150	5.7	-2	20	-7	150	42	40	100
RWD1248	2.44	15.8	8.7	0.0938	0.869	0.168	0.132	0.025	4.38	-0.5	-10	180	1.3	2	30	-7	130	42	60	320
RWD1249	2.31	14.4	7.73	0.169	0.688	0.159	0.1745	0.0403	2.57	-0.5	180	190	9.3	3	40	-7	100	76	10	50
RWD1250	3.08	6.46	4.37	0.662	0.947	0.347	0.156	0.0662	1.3	-0.5	20	210	1.5	-2	30	26	40	49	40	20
RWD1251	2.33	16.15	7.24	0.0897	0.516	0.198	0.243	0.0367	10.7	-0.5	-10	370	4.3	-2	-10	-7	50	41	-10	-10
RWD1252	2.8	15.3	8.52	0.0873	0.53	0.209	0.1365	0.0467	3.52	-0.5	-10	220	3.6	-2	40	-7	130	61	80	500
RWD1253	1.86	17.25	8.93	0.0911	0.645	0.156	0.128	0.0276	8.89	-0.5	-10	40	1.3	2	30	-7	70	36	70	140
RWD1254	2.68	9.38	5.01	0.481	1.065	0.403	0.1335	0.0577	1.35	-0.5	40	30	1.7	-2	50	-7	170	108	60	120
RWD1255	1.265	20.2	9.66	0.0901	0.204	0.274	0.114	0.073	24.8	-0.5	-10	60	1.3	3	-10	-7	-10	11	-10	50
RWD1256	1.475	19.7	10.45	0.384	0.404	0.261	0.0655	0.0415	28.3	-0.5	-10	60	0.7	-2	10	-7	-10	11	-10	-10
RWD1260	5.53	4.79	4.9	1.005	2.39	1.175	0.099	0.118	4.73	-0.5	10	120	1.1	-2	50	215	80	184	-10	100
RWD1261	2.55	7.63	7.73	0.319	0.56	0.515	0.252	0.537	10.7	-0.5	110	150	9.5	27	-10	97	410	72	20	900
RWD1262	0.621	6.4	8	0.102	0.0075	0.056	0.435	0.159	18.2	-0.5	2160	150	6.7	41	10	-7	330	26	90	1060
RWD1263	5.82	1.025	3.75	1.44	2.82	0.04	0.0779	0.0679	3.35	0.7	140	170	10.4	3	-10	-7	20	10	-10	160

Appendix G

Drill core logs

Venture Minerals Lithologic Codes

Code	Description	Code	Description	Code	Description
Regolith					
R	undifferentiated regolith	RL	undifferentiated laterite	RCLY	in situ clay
RCAC	calcrete	RLG	lateritic gravel	RSAP	undifferentiated saprolite
RSIC	silcrete	RLI	in situ laterite	RGOS	gossan ("iron cap"); textural or mineral prefix as appropriate
RFEC	ferricrete	RLT	transported laterite		
Unconsolidated Sediments		Breccias, Faults and Shear Rocks		No Recovery & Cavities	
S	undifferentiated sediment	XHB	hydrothermal breccia	NCAV	cavity
SLG	lateritic gravel	XMYL	mylonite	NREC	no sample recovery
SGVL	unconsolidated gravel	XFB	Fault breccia - incohesive >30% clastic	NSAV	sample no longer available
SPCS	unconsolidated pebbly/cobbly sand			NCTM	contaminated interval
SAND	unconsolidated sand	XFG	Fault gouge - incohesive <30% clastic		
SILT	unconsolidated silt			Veins	
SMUD	unconsolidated mud	XFC	Fault cataclasite - cohesive more than >30% clastic	*V	Veins, ≤2 mineral prefixes
SCLY	unconsolidated clay (transported)			*VB	Vein breccia, ≤2 cement prefixes
cyRB	regolith breccia with clay matrix				
Sedimentary Rocks (S*)					
SS qzSS	>75% sandstone (undifferentiated) over minimum 5m logging interval, prefixes qz = quartz, lith = lithic, volc = volcanogenic, cc = calcareous	SMP	phyllite	SCB,	undifferentiated carbonate, prefixes oo=oolitic, st=stromatolitic, bc=bioclastic
volcSS		SGRT	grit	ooSCB,	
lithSS		SSPC	pebbly or cobbly sandstone	stSCB,	
ccSS		SSIC	intraclastic SS & SCG	SLST	
SM	>75% mudstone over ≥5m	SCG	conglomerate	SDOL	dolomite
ST	>75% siltstone over ≥5m	SCGR	mud chip conglomerate (rip-ups)	SCHT	chert
SSM	25-75% SS & SM over ≥5m	SCGM	monomict conglomerate	SBIF	banded iron formation
SST	25-75% SS & ST over ≥5m	SCGP	polymict conglomerate	SLIG	lignite
SMH	shale	SBRM	monomict breccia	STIL	tillite
SML	slate	SBRP	polymict breccia	STUF	tuffite (redeposited)
SMA	argillite			SLAP	redeposited lapilli-stone
Igneous Rocks (U* for Ultramafic, M* for Mafic, I* for Intermediate, F* for Felsic)					
UM	undifferentiated ultramafic	UKoMC	olivine mesocumulate; komatiite flow	ID	diorite
UDUN	dunite			F	undifferentiated felsic rock
UHAR	harzburgite	MG	gabbro	FG	undifferentiated granitoid
UPX	pyroxenite	MGL	leucogabbro	FGRA	granite
USERP	serpentinite	MD	dolerite	FGRD	granodiorite
UKIM	kimberlite	MB	basalt	FDIO	diorite
ULAP	lamproite	MBHM	high-magnesium basalt	FMOZ	monzonite
ULAY	ultramafic lamprophyre	MBP	pillow-basalt	FSYE	syenite
UK	komatiite (undifferentiated)	MBHY	basaltic hyaloclastite	FTUF	felsic tuff
UKSTX	spinifex textured; komatiite flow	MLAP	mafic lapilli-stone	FV	undifferentiated felsic volcanic rock
UKoOC	olivine orthocumulate; komatiite flow	MTUF	mafic tuff		
		IA	andesite	FRHY	rhyolite
				FDAC	dacite
Metamorphic & Metasomatic Rocks (Z*)					
ZSCH	undifferentiated schist	ZMRB	marble, >50% cb; ≤1 key mineral prefix	mtZXS	>50%) magnetite; matrix replacement to massive bands. <am, po & cb. Grn, or aci after vo.
mZSCH	undifferentiated mafic schist; >am, cl &/or bt; <fp, qz, lx etc...	doMRB			
fZSCH	undifferentiated felsic schist; >qz, fp, mu; <mafic minerals	gtZXS	pbl gt in px+cc matrix (<10% px = gtZMRB) ± minor matrix am, mt, po etc. gt→ve; gradational with veZXS	voZXS	>50% vonsenite; aci, radiating
btZSCH	use mineral code prefixes for only the	veZXS	tab, pbl, & orb ve in px-cc matrix.	poZXS	>50% pyrrhotite; bnd, semi-mas to mas
ZGNS	undifferentiated gneiss	olZXS	>50% grn ol; ± ol→sr, hrn, dis mt, patches wt-lgn px.	pyZXS	>50% pyrite; semi-mas to mas
btZGNS	bt-gneiss, K-fp-gneiss, etc... using mineral code prefixes for only the	lpZXS	leopard skarn = olZXS w/ irregular granitic blobs/dyklets→px, rimmed by pk gt, lgn px, gn ph.	sdZXS	>25% siderite; includes sqp & s+p, <cs + ksp
ksp-ZGNS	distinguishing minerals			btZXS	>50% biotite; bn-bk, "books" common ± fl
ZAMP	undifferentiated amphibolite	amZXS	>50% amphibole; mas felted bands &/or pseudomorphs of pbl gt. <cb, mt, po, vo.	srZXS	>50% serpentine; mas translucent to flakey lgn-dgn, after olZXS.
ZHF	hornfels, ifg; ≤2 mineral prefixes as appropriate (eg. muZHF, andZHF)			ZGRS	Undifferentiated greisen; saccharoidal qz-mu aggregate. Ppy fp→po.
amZHF	amphibole (>20%) hornfels	am-voZXS	amphibole (25-50%) + vonsenite (25-50%); vo often radiating aci between am &/or ve after pbl gt.	ZQT	tourmaline "greisen" = FGRA w/ ppy fp→tu, saccharoidal qz groundmass ± ifg mu.
btZHF	biotite (>20%) hornfels; brownish, brown streak				
pxZHF	pyroxene (>20%) hornfels; whitish to whitish-green	ammt-ZXS	amphibole (25-50%) + magnetite (25-50%); typically matrix around ex-gt pbl		
axZHF	axinite (>20%) hornfels; purplish	ampo-ZXS	amphibole (25-50%) + pyrrhotite (25-50%); pbl		
qzZHF	quartz (>20%) hornfels; hard, bronze-grey, microcrystalline qz w/ po, black streak				

Venture Minerals Mineral and Textural Codes

Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	
Minerals										
ac	actinolite	cdp	chrome diopside	gt	garnet	mz	monazite	sd	siderite	
ak	ankerite	cl	chlorite	he	hematite	nac	nacrite	sh	scheelite	
ab	albite	cpy	chalcopyrite	hb	hornblende	ol	olivine	si	siliceous	
al	almandine	cpx	clinopyroxene	ilt	illite	or	orthoclase	sr	serpentine	
and	andalusite	cr	chromite	il	ilmenite	ops	opaline silica	sph	sphalerite	
ano	anorthite	crp	chrysoprase	ka	kaolin	ph	phlogopite	sp	spinel	
am	amphibole	crt	chrysotile	ksp	misc. k-feldspar	pl	plagioclase	sb	stilbite	
ana	anatase	cs	cassiterite	ky	kyanite	po	pyrrhotite	st	stannite	
atg	antigorite	cv	chenevixite	lau	laumontite	pp	pyrope	sx	sulphide	
asp	arsenopyrite	cy	misc. clay	lm	limonite/misc.	prh	prehnite	sxo	oxidised sulphide	
as	arsenates	da	danalite	lo	lollingite	pv	perovskite	tc	talc	
aug	augite	dd	diamond	lw	ludwigite	px	pyroxene	ti	titanite (sphene)	
ax	axinite	di	diopside	lx	leucoxene	py	pyrite	tr	tremolite	
az	azurite	do	dolomite	mc	malachite	qz	quartz	tu	tourmaline	
ba	baryte	ep	epidote	mi	misc. mica	rd	rhodochrosite	tz	topaz	
Bi	native bismuth	fe	FeO or FeOH	mg	magnesite	rf	rock fragments	vo	vonsenite	
bt	biotite	fl	flourite	mn	mn-oxides	ru	rutile	ve	vesuvianite (idocrase)	
cb	misc. carbonate	fsp	feldspar	mon	montmorillonite	sa	saponite	zin	zinnwaldite	
cc	calcite	ga	galena	ms	moissanite	sc	scorodite	ze	zeolites	
ch	chalcedony	go	goethite	mt	magnetite	se	sericite	zr	zircon	
cd	cordierite	gr	graphitic	mu	muscovite					
Pseudomorphs		Sedimentary Bedding		Sedimentary Grain size				Igneous/Metamorphic Grain Size		
gt→ve	gt replaced by ve	lam	laminated (<1cm)	svfg	very fine grained <64 um (mud, silt & clay)					
gt→am	gt replaced by am	tnb	thin (1-10cm)	sfg	fine grained 64 um to 0.25 mm (fine sand)			ifg	fine, <1mm	
fp→tu	fp replaced by tu	mdb	medium (10-30cm)	smg	medium grained 0.25 to 0.5mm (medium sand)			img	medium, 1-5mm	
fp→se	fp replaced by se	tkb	thick (>30cm)	scg	coarse grained 0.5 to 2 mm (coarse sand)			icg	coarse, 5-30mm	
fp→po	fp replaced by po	vtkb	very thick (>1m)	svcg	very coarse grain >2mm (2 - 4mm granules, 4 - 16mm pebbles, 16-256 mm cobbles, >256 mm			ipg	pegamatitic, >30mm	
vo→mt	vo replaced by mt									
Textures								Sample Recovery		
aci	acicular	gph	graphic	pbl	porphyroblastic	spt	spotted	e	excessive	
amg	amygdaloidal	grn	granular	pcl	porphyroclastic	sqp	qz prisms in sd	g	good	
anh	anhedral	gtp	(ex)garnet pbl	ppy	porphyritic	stwk	stockwork	m	moderate	
bdn	boudins	lam	laminated	psm	prismatic	sub	subhedral	p	poor	
bnd	banded	mas	massive	rcz	recrystallised	tab	tabular	n	none	
bxw	boxwork	mot	mottled	ruc	rip-up clasts	tad	am±po tailed spots			
col	cauliflower texture	mta	acicular magnetite	sch	schistose	tuf	tuffaceous	Moisture		
den	dendritic	mtg	granular magnetite	scl	cleaved	ves	vesicular	S	Sloppy	
dis	disseminated	mzn	mineral zoning	shz	shear/shearzone	vet	tabular ve	M	Moist	
euh	euhedral	oph	ophitic	spk	speckled	wrg	wrigglite	D	Dry	
fol	foliated	orb	orbicules	s+p	salt+pepper; mt-sd					
Colours		Structures		Weathering						
l-	light (eg. lgn)	bkn	broken by drilling	vw	very weathered, BOTH PRIMARY TEXTURE & MINERALOGY DESTROYED; no sulphide, dominant Fe & Al oxides &/or silica (eg. Laterite)					
d-	dark (eg. dgn)	brc	brecciated							
bk	black	flt	fault	mw	moderately weathered, PRIMARY TEXTURE REMAINS but MINERALOGY SECONDARY clays (eg. saprolite)					
bl	blue	frc	fracture zone							
bn	brown	ftz	fault or fault zone	ww	weakly weathered, MAINLY PRIMARY TEXTURE & MINERALOGY; minor clay, partly oxidised sulphide (eg. saprock & fresh rock with iron staining)					
bz	bronze (sulphides)	hbr	healed-breccia							
cm	cream	mcf	microfaults, <1cm	fr	fresh (compeletely primary texture & mineralogy without significant iron staining on					
gn	green	slk	slickensides							
gy	grey	ssf	small-scale faults, 1-10cm offset		Description Shorthand					
kk	khaki				SOI	"start of interval"				
og	orange	BCA	acute angle: core axis & bedding		EOI					"end of interval"
ov	olive				TCA	"to core axis"				
pk	pink	SCA	acute angle: core axis & foliation		PDW					post-drilling weathering (used during relogging)
pl	purple				RCON	interval has redrilled fragments and/or contamination				
rd	red	FCA	acute angle: core axis & fault		HCl-					HCl non-reactive
wt	white				HCl+	HCl reactive				

[illegible]

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	LV016	173.8	176.8	dgy, pgy	ww	lpZXS			cc,cl, sr	10														5			
D	LV016	176.8	178.6	gy, bn	ww	lpZXS			cc,cl, sr	5														1			
D	LV016	178.6	186.8	gy, wt	fr	FG			sr	5														0			
D	LV017	0	3	pgy	ww	SGVL																					
D	LV017	3	7.7	pgy	mw	qzSS																					
D	LV017	7.7	8.7	na	na	NREC																					
D	LV017	8.7	17.7	pgy	mw	qzSS																					
D	LV017	17.7	18.6	na	na	NREC																					
D	LV017	18.6	24.1	pgy	mw	qzSS																					
D	LV017	24.1	31.7	pgy	mw	qzSS																					
D	LV017	31.7	39.1	cm gn bn g	vw	srZXS																					
D	LV017	39.1	41.7	wt gy bn	ww	ooSCB				5																	
D	LV017	41.7	43.7	bn og gn	vw	RCLY																					
D	LV017	43.7	48.4	gn bn wt	mw	qzSS				5																	
D	LV017	48.4	52.7	gn og wt b	vw	srZXS																					
D	LV017	52.7	55.7	gn wt og	mw	qzSS																					
D	LV017	55.7	61	gn cm	mw	srZXS			cc	10																	
D	LV017	61	70.4	gn cm wt o	mw	brsrZXS			sr cc	20																	
D	LV017	70.4	74.9	cm gn	ww	SDOL			sr cc	10																	
D	LV017	74.9	86.7	gn cm wt b	mw	srZXS	SDOL		sr cc																		
D	LV017	86.7	87.8	gy wt og	fr	ooSCB				5																	
D	LV017	87.8	95.3	bn gn cm	mw	srZXS			sr qz	20																	
D	LV017	95.3	103.6	wt bn gn c	ww	SDOL			cc sr	20																	
D	LV017	103.6	106.7	gy wt og	ww	ccSS			sr qz cc px? mt	10														1			
D	LV017	106.7	111.4	gn bn cm ,	mw	pxsrZXS			sr cc mt	20														1			
D	LV017	111.4	113.4	gn cm wt b	ww	srZXS			sr,cc	20														1			
D	LV017	113.4	116	wt gn cm b	ww	SDOL			sr cc	15																	
D	LV017	116	125.7	wt cm gn b	mw	SDOL	srZXS		sr cc	10																	
D	LV017	125.7	126.9	gy-wt	fr	SDOL			cc px	15																	

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001	LV017	126.9	129	wt gy cm	mw	srZXS																					
D	LV017	129	137.5	bn yw cm g	vw	RCLY																					
D	LV017	137.5	139.8	bn wt gy	mw	FG																					
D	LV017	139.8	145	gn gy bn w	vw	RCLY																					
D	LV017	145	145.8	gy gn wt	mw	RCLY																					
D	LV017	145.8	147.7	og bn yw w	vw	RCLY																					
D	LV017	147.7	148.5	bn gy wt	mw	FG	RCLY																				
D	LV017	148.5	150.2	og yw wt	mw	RCLY																					
D	LV017	150.2	156.6	bn yw pu c	vw	RCLY																					
D	LV017	156.6	158.9	bn og gy	mw	lpZXS	RCLY																				
D	LV018	0	3.9	wt dgy gy	ww	SGVL																					
D	LV018	3.9	7.1	bn gy	vw	RCLY																					
D	LV018	7.1	9.5	cm gy	ww	ooSCB																					
D	LV018	9.5	10.5	na	na	NREC																					
D	LV018	10.5	13.6	bn gn cm	vw	RCLY																					
D	LV018	13.6	24.3	wt gn cm b	ww	SGVL																					
D	LV018	24.3	28.4	wt bn gn c	mw	qzSS	RCLY																				
D	LV018	28.4	32	na	na	NREC																					
D	LV018	32	35.7	bn wt gy	vw	RCLY	qzSS																				
D	LV018	35.7	44.3	gn cm wt g	mw	srZXS	qzSS																				
D	LV018	44.3	49.6	gn cm wt g	mw	qzSS	srZXS																				
D	LV018	49.6	50.6	na	na	NREC																					
D	LV018	50.6	53	gn cm gy b	vw	srZXS																					
D	LV018	53	60.4	bn yw	vw	RCLY																					
D	LV018	60.4	68.5	bn wt gy	mw	qzSS																					
D	LV018	68.5	69.2	bn wt gy	mw	FG																					
D	LV018	69.2	73.4	wt gy bn	ww	qzSS																					
D	LV018	73.4	75.8	bn yw	mw	ndRGOS																					
D	LV018	75.8	79.6	bn yw	vw	ndRGOS																					
D	LV018	79.6	89.4	bn yw gy	mw	ndRGOS																					
D	LV018	89.4	93.6	bn yw gy	vw	RCLY																					
D	LV018	93.6	96.9	bn wt gy	vw	RCLY																					
D	LV018	96.9	102.7	bn gy wt	ww	qzSS	FG																				
D	LV018A	0	100.8	na	na	CAV																					
D	LV018A	100.8	124.9	yw bn	mw	cyRB				0														0			
D	LV018A	124.9	126.1	rdbn	mw	FG				0														0			
D	LV018A	126.1	135.1	cm	mw	FG				0														0			
D	LV018A	135.1	170.5	cm gn	fr	FG				0														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	LV019	19	26	l gy	mw	qzSS	SAND																					
D	LV019	26	43	l bn	mw	cyRB	SAND																					
D	LV019	43	56	og bn	mw	cyRB	SAND																					
D	LV019	56	63	l bn	mw	cyRB	SAND																					
D	LV019	63	68	bn	vw	RCLY	SAND																					
D	LV019	68	74	bn	mw	cyRB	SAND																					
D	LV019	74	102	gy-og-bn c	mw	cyRB	SAND																					
D	LV019	102	116	rd bn	mw	RCLY	RGOS																					
D	LV019	116	128	og-bn gy	mw	RGOS																						
D	LV020	0	3	gy	ww	SGVL				0														0				
D	LV020	3	9	dbn	mw	R				0														0				
D	LV020	9	27	bn-gy	ww	cyRB				0														0				
D	LV020	27	37	gy-bk	mw	srZXS	SGVL			0														0				
D	LV020	37	43	gy	mw	cyRB				0														0				
D	LV020	43	48	gy gn	mw	cyRB	srZXS			0														0				
D	LV020	48	89	gy og bn	mw	RCLY				0														0				
D	LV020	89	94	og bn	mw	RGOS				0														0				
D	LV021	0	8	gy	fr	SGVL				0														0				
D	LV021	8	22	lt-gy	fr	SS				0														0				
D	LV021	22	135.3	dk-gy	fr	qzSS				0														0				
D	LV021	135.3	183	gy bn	fr	qzSS		qz-bt-tu-po sr cc-py mi p sr		5	2	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0
D	LV021	183	183.7	bn cm	fr	btZHF	pxZHF	sr			0	0	1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	20
D	LV021	183.7	186	gy wt	fr	ccZMRB		sr cc-py po		10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	5
D	LV021	186	187	dgy bn	fr	btZHF	pxZHF	sr cc		5	1	0	0.5	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
D	LV021	187	196.1	d gy bn gn	ww	XFB	btZHF	olZXS	cc-cl py qz-bt	2	0	0	0	20	0	0	0	0	0	0	0	0	0	0	2	0.5	2	
D	LV021	196.1	196.8	d gy gn cm	ww	XFB	SST	sr		1	0.5	0	0	5	0	0	0	0	0	0	0	0.1	0	0	0	0	0.5	0
D	LV021	196.8	200.5	d gy gn cm	fr	XFB	pxZHF	XFG			0.5	0	0	1	0	0	0	0	0	0	0	0	0.5	0	0	0	50	
D	LV021	200.5	201.6	cm wt gy	fr	qzSS					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV021	201.6	203.3			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV021	203.3	210.2	gy	ww	XFB	doZMRB	sr sr-cc-py cl-sr		10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0
D	LV021	210.2	212.5	gy gn	ww	doZMRB		py sr cc		20	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	212.5	230.3	gy pk gn	fr	ccdoZMRB		cc cc-sr		20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	230.3	235.2	cm gy gn	fr	ccZMRB				40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	235.2	241.1	cm-bn-og-g	mw	ccdoZMRB		cc-sr-cy		25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	241.1	243.1	cm-yw-gn	ww	ccdoZMRB		cc-sr-mn sr		40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	243.1	245.9	cm-pyw-pgn	ww	ccdoZMRB		cc-sr-mn sr cc		40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	245.9	246.5	cm-pgn-og	mw	ccdoZMRB		cc-sr-mn		30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	246.5	246.55	cm pgn		XFG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	246.55	247.7	gn-cm-og-g	ww	ccdoZMRB		cc-sr-do		50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	247.7	249.5	cm-gn		XFB					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001	LV021	249.5	253.2	wt-dgy bk	ww	ccdoZMRB	XFB		cc-sr-do-mt	30	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0
D	LV021	253.2	253.7	gn-cm-og-g	ww	XFB	XFG			0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
D	LV021	253.7	254.1	wt bk	fr	olZXS			cc-sr	50	0	0	0	5	0	0	0	0	0	0	0	0	0	5	20	0	0
D	LV021	254.1	258.9	cm-gn bn	ww	doZMRB	olZXS		cc-sr-mn-cl	20	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0
D	LV021	258.9	260.2	bn-pgn	ww	olZXS	lpZXS			0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	40	0	2
D	LV021	260.2	269.7	lgy	ww	FG			sr	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0
D	LV021	269.7	271.8	dgy-bn pk-	ww	olZXS	lpZXS	XFB	cb	3	0	0	0	15	0	0	0	0	0	0	0	0	1	0	5	3	0
D	LV021	271.8	277.3	cm og gy	ww	ccdoZMRB	olZXS		cc-lm-mn	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	277.3	281.6	wt gn og-b	ww	ccdoZMRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	281.6	282.6			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV021	282.6	285.7	og wt gn	mw	ccdoZMRB			ze cb sr	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0
D	LV021	285.7	293.6	wt dgy gn	fr	ccdoZMRB			sr-mn-he-py-cb	15	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0.5	0
D	LV021	293.6	296.7	bn wt	fr	srZXS	poZXS		cc-sr-po-cl	5	0	0	0	5	0	0	0.5	0.5	0	0	0	0	2	5	25	0.5	0
D	LV021	296.7	301.4	wt bk pgn	fr	cbmtZXS			cb	2	0	0.5	0	0	0	0	0	0	0	0	0	0	0	30	5	0	0
D	LV021	301.4	303.2	dgy-gn bk	fr	vomtZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
D	LV021	303.2	307	dgy-gn bk	fr	olZXS			sd po	2	0	0	0	0	0	0	0	0	0	0	0	0	0	25	30	0	0
D	LV021	307	309.9	pgn gy-bk	fr	olZXS			sr-mt	5	0	0	0	0	0	0	0.5	0	0	0	0	0	0	20	50	0	0
D	LV021	309.9	313	pgn dgn dg	fr	olZXS			cy sr-cb-py	5	0	0	0	0	0	0	0.5	0	0	0	0	0	0	20	40	0.5	0
D	LV021	313	327.4	pgn dgy-bk	fr	olZXS			sr cb	3	0	0.5	0	0	0	0	0.5	0	0	0	0	0	0	15	50	0.5	0
D	LV021	327.4	348.8	pgn wt bk	fr	srZXS			sr-mt-cb-qz	3	0	0	0	0	0	0	0	0	0	0	0	0	0	15	10	0	0
D	LV021	348.8	350.6	pgn bn dgn	fr	srZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	3
D	LV021	350.6	361.7	wt gy bn	fr	FG	XFB			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	0	4	lgy	na	SGVL				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	4	14.5	gy	vw	RCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	14.5	28.8	bn	vw	cyRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	28.8	30.5	cm	mw	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	30.5	100.9	bn	vw	cyRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	100.9	102.7	na	na	NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	102.7	115.3	bn brngn	mw	RCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	115.3	125.5	cm	mw	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	125.5	130.1	og	mw	olZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	130.1	135.7	cm	mw	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	135.7	147.6	bn-og	mw	RGOS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	147.6	150.5	og-gn-cm	mw	olZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	150.5	179.6	wt-cm-yw	mw	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	179.6	183.4	cm-yw-gn	mw	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV022	183.4	185	cm-gn	ww	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV023	0	5.5	gy	na	SPCS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV023	5.5	6.5	gy	na	SPCS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	LV023	6.5	7.5	na	na	NREC				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	7.5	8.5	gy	mw	FG				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	8.5	13.4	lgy	mw	FG				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	13.4	14.7	na	na	NREC				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	14.7	16.7	na	na	NCTM				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	16.7	18.5	lgy	mw	FG				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	18.5	21.5	na	na	NREC				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	21.5	22.5	lgy	mw	FG				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	22.5	23.5	na	na	NREC				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	23.5	27.7	lgy	mw	FG				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	27.7	28.7	na	na	NREC				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	28.7	29.6	lgy	mw	FG				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	29.6	32	lgy	yw	FG				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	32	39.4	lgy	mw	FG				0	0	0	0	0			0					0	0	0	0	0	0
D	LV023	39.4	40.7	na	na	NREC				0	0	0	0	0			0					0	0	0	0	0	0
D	LV024	0	3	na	na	NREC					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	3	4	lgy		SGVL					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	4	7	na	na	NREC					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	7	10.2	lgy	vw	RCLY					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	10.2	12.5	cm lgy	mw	FG					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	12.5	15	bn gy	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	15	16	na	na	NREC					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	16	24.4	gy bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	24.4	30.8	yw bn	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	30.8	32.1	na	na	NREC					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	32.1	37.4	yw bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	37.4	38.1	cm yw	mw	cyRB		FG			0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	38.1	48.5	yw bn	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	48.5	50.5	gy yw	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	50.5	54.2	yw bn	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	54.2	58.5	yw bn	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	58.5	64.5	yw bn cm	vw	cyRB			qz	1	0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	64.5	70	yw bn rd	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	70	79.1	gy rd bn	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	79.1	95.3	og bn	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	95.3	97.2	rd bn	vw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	97.2	101.3	rd-bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	101.3	103.8	og-rd-bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	103.8	105.7	og-rd-bn g	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	105.7	112.7	og-bn rd g	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	112.7	114.2	na	na	NREC					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	114.2	115.9	og-bn gy	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	115.9	119.7	og-yw-bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	119.7	123.3	yw-bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	123.3	127.3	yw-bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	127.3	129	yw-cm-bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	129	130.5	bn	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	130.5	131.7	gy	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	131.7	132.9	cm	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	132.9	136.8	og cm	mw	cyRB					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	136.8	137.5	na	na	NREC					0	0	0	0			0	0				0	0	0	0	0	0
D	LV024	137.5	140.3	bn og	vw	RCLY					0	0	0	0			0	0				0	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	LV024	140.3	142.3	gn-gy	mw	cyRB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV024	142.3	143.3	bn-gn-bk	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV024	143.3	145.4	bn-og-gn	vw	cyRB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV024	145.4	149.1	gy-yw	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV024	149.1	150.1	og-bn wt g	vw	cyRB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	0	13			NREC					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	13	22.4	dgn gy cm	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	22.4	25.5	wt dgn	mw	doZMRB	RCLY		sr	5	0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	25.5	34	wt gn	mw	doZMRB			sr	5	0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	34	48.5	gn dgn og	vw	cyRB			sr	5	0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	48.5	49.5	cm og	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	49.5	51.2	og bn	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	51.2	53.7	cm og dbn	vw	RCLY			mt	10	0	0	0	0			0	0			0	0	2	5	0	0	0
D	LV025	53.7	58	cm og bn g	mw	RCLY	qzSS				0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	58	62	cm og bn	mw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	62	68	bn yw	mw	RGOS					0	0	0	0			0	0			0	0	20	20	0	0	0
D	LV025	68	74.3	bn og rd	mw	RCLY					0	0	0	0			0	0			0	0	5	0	0	0	0
D	LV025	74.3	96.3	cm yw	mw	FG					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV025	96.3	163.5	cm gy og	ww	FG					0	0	0	0			0	0			0	0	0	0	0	0	0
D	LV026	0	6.5	cm bk	fr	SGVL					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV026	6.5	18.4	wt kk	ww	doZMRB	srZXS		sr	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	1
D	LV026	18.4	26.5	wt kk	ww	doZMRB	XHB	srZXS	cb sr	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	1
D	LV026	26.5	36.2	wt gy kk	ww	doZMRB			po sr	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0
D	LV026	36.2	49.1	wt cm kk	ww	XHB	doZMRB		po sr	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV026	49.1	54.2	wt gy kk	ww	doZMRB			cc sr	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
D	LV026	54.2	58.3	wt kk	mw	srZXS	XHB		sr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV026	58.3	61	og l gn db	mw	RCLY			sr lm	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	H1001																										
D	LV026	61	64.5	lgn og	mw	RCLY			sr lm			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV026	64.5	67.4	og dbn cm	mw	RCLY			lm mt mn			0	0	0	10	0	0	0	0	0	0	0	0	1	5	0	0
D	LV026	67.4	70.3	og gy	mw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV026	70.3	75.1	og l gn pl	mw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV026	75.1	80.1	bn og gn	mw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV026	80.1	106.9	cm og	mw	FG						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV026	106.9	108.8	wt gy og	ww	FG						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	0	19			NREC						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	19	47.6	bl-gn gy	mw	srZXS	XHB					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	47.6	52	cm-wt gy	ww	doZMRB						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	52	55	bl-gn-gy w	mw	srZXS	XHB					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	55	59.4	cm-gy-gn b	mw	RCLY	XHB					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	59.4	61	dbn	mw	SAND						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	61	63			NREC						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	63	80.5	gy	vw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	80.5	89.4	cm-yw-gy r	mw	SST						0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0
D	LV027	89.4	94.3	cm-yw-og-g	mw	SST						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	94.3	95.2	bn cm og	mw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	95.2	97	cm og bn	mw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	97	99.1	og-gy-bn	vw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	99.1	101.6	gy	mw	SST	pxZHF					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	101.6	104.5			NREC						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	104.5	105.8	cm-og	mw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	105.8	115	yw-bn-gy	mw	SST						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	115	116.5	yw-bn	mw	ST						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	116.5	118	yw-bn	mw	SAND						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	118	119.5			NREC						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	119.5	124.5	cm og yw b	mw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	124.5	130	rd-og-bn	mw	RCLY						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	130	131			NREC						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	131	139.5	yw-cm-og	mw	FG						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV027	139.5	151	wt gy bn	ww	FG						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	0	6.2	bn-pk-gy-c	ww	qzSST						0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0
D	LV028	6.2	17.5	bn-pk-gy d	ww	qzSST						0	0	0	0	0	0	0	0	0	0	0	2	1	0	2	0
D	LV028	17.5	18.5			NREC						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	18.5	20	gy cm bn	mw	doZMRB						0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
D	LV028	20	22.5	dgy-bn gn	ww	qzSST						0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0
D	LV028	22.5	62.4	dgy-bn	fr	qzSST			cl-cy py	0.5		0	0	0	0.5	0	0	1	0	0	0	0	0.5	2	0	1	0
D	LV028	62.4	83	gy-dgy	fr	qzSST			cy-cl-py qz	1		0	0	0	1	0	0	1	0	0	0	0	0.5	2	0	3	0

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	LV028	83	87.7	dgy	fr	qzSST			cl qz-bt-py mu-bt	2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0
D	LV028	87.7	90.2	dgy-bn	fr	qzSST			cl po	1	0	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	1
D	LV028	90.2	91			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	91	95	dgy-bn cm-	fr	qzSST			cl cl-lw-tu-qz-py	15	0	0	0.5	5	0	0	0	10	0	0	0	0	0	0	0	0	1	1
D	LV028	95	95.8			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	95.8	99.8	wt gy dgn	ww	ccdoZMRB	SAND	qzSST	cl-sr-tu	50	0	0	0	0	30	0	0	10	0	20	0	0	0	0	0	0	0	2
D	LV028	99.8	103.4	gn cm	ww	ccdoZMRB			qz-sr-cc-mi	70	0	0	0	0	30	0	0	0	0	20	0	0	0	0	0	0	0	0
D	LV028	103.4	108	cm-gn gy	ww	XFB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	108	108.7			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	108.7	110.7	dgy-gy	ww	XFB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	110.7	111.7			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	111.7	113.7	pgy-cm	mw	XFB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	113.7	114.7			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	114.7	116	gy-cm	mw	XFB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	116	117			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	117	122.2	wt-gy gn	ww	doZMRB				0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0
D	LV028	122.2	140	cm-pk-bn-g	fr	doZMRB			sr-cc-cb-py	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0.5	0
D	LV028	140	143.9	cm-yw-og g	fr	doZMRB			sr-cb cl qz	70	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0
D	LV028	143.9	150	gy-wt-pgn	ww	doZMRB			cc-sr	5	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	150	173.3	cm-gn gy	ww	doZMRB	qzST	XHB	cl-cb cb-sr	15	0	0	0	0	5	0	0	10	0	0	0	0	0	0	0	0	0	0
D	LV028	173.3	178	og	mw	ZMRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0
D	LV028	178	187.3	og	mw	doZMRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0
D	LV028	187.3	190.7			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	190.7	192.4	yw-og	vw	RCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	192.4	201	yw-og	mw	cyRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	201	202.7			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	202.7	203	og-bn	mw	RGOS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV028	203	210.5	og-cm-bn	mw	ZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
D	LV028	210.5	225.2	yw-bn bn p	vw	RCLY	cyRB			0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0
D	LV028	225.2	225.5	dgn	ww	miZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
D	LV028	225.5	226.5	cm pk	mw	ZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.5	0	0	0	0
D	LV028	226.5	235.5	cm-yw dbn	mw	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
D	LV029	0	15.5			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV029	15.5	19	dbl-gn-gy	mw	srZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV029	19	23.4	dbl-gn-gy	mw	srZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV029	23.4	27	dbl-gn-gy	mw	srZXS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV029	27	29.2	dbl-gn-gy	mw	srZXS	XHB			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV029	29.2	30.3	wt dgy-gn	ww	doZMRB	srZXS	XFB		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	LV029	30.3	39.2	wt-gy	fr	doZMRB			sr-cc-cl	2	0	0	0	0	5	0	0	0.5	0	0	0	0	0	1	0	0.5	0	0
D	LV029	39.2	43.3	wt-gy-gn	fr	doZMRB			sr-cc-cb	10	0	0	0	0	5	0	0	1	0	0	0	0	0	1	0	0	0	0.5

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	LV029	43.3	45.8	gy-wt-dgn	ww	doZMRB			sr-cc-qz	2	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0.5	0	0	0
D	LV029	45.8	49.5			NCAV					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	49.5	64	gy wt dgy	fr	doZMRB			sr-cc	0.5	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0.5	0	0.5	0
D	LV029	64	67	dgy-bn	vw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	67	71.1	gy	vw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	71.1	73			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	73	78	bn-gy	mw	SAND					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	78	79			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	79	87.3	gy	ww	doZMRB			cc-sr	5	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	87.3	98.4	dgy-gy	ww	doZMRB			cc-sr cc-lw	10	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	98.4	103.3	gy	fr	doZMRB			cc-sr	5	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	103.3	114.2	gy og	ww	doZMRB			cc-sr	5	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	114.2	123.8	gy	fr	doZMRB			cc-sr cc-sr-po-py-lw	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0.5	
D	LV029	123.8	129.8	gy	ww	doZMRB			cc-sr	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0.5	
D	LV029	129.8	134.3	dgy-bn	mw	srZXS	XHB	RCLY			0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	
D	LV029	134.3	135.6	og bn-rd p	mw	ZXS	XHB	RCLY			0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	
D	LV029	135.6	140.5	og bn pgn	mw	ZXS					0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	
D	LV029	140.5	142	cm-og	mw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	142	143.3	cm og gy-b	mw	ZXS	XHB				0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	
D	LV029	143.3	146.2	cm-og pgn	mw	ZXS				50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	146.2	150.9	cm og bn p	mw	ZXS	ZHF				0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	0	
D	LV029	150.9	156	yw-bn	mw	ZXS					0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
D	LV029	156	158.6	cm og bn r	mw	ZXS					0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	
D	LV029	158.6	161	og-bn-cm	vw	RGOS					0	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0	0	
D	LV029	161	162.1			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	162.1	162.8	cm	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	162.8	164.6			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	164.6	166.5	cm og	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	166.5	167	og-rd-bn	mw	ZXS					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	167	168.3	cm	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	168.3	170.5			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	170.5	172	cm	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	172	174			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	174	177	cm-yw-bn	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	177	179			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	179	182.5	cm-yw-pbn	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	182.5	184			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	184	188.2	cm-yw	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	188.2	189.3			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	189.3	190.4	cm-yw	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	190.4	195			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV029	195	195.8	cm-yw	mw	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	LV030	0	4	gy-yw gy b	ww	SGVL																						
D	LV030	4	11.5	cm-wt-gy	mw	SAND																						
D	LV030	11.5	13			NREC																						
D	LV030	13	15.3	cm-wt-gy	mw	SAND																						
D	LV030	15.3	17			NREC																						
D	LV030	17	18	cm-wt-gy d	mw	XFB																						

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	LV030	18	19	gy	fr	qzSST																					
D	LV030	19	22	gy	ww	qzSST																					
D	LV030	22	23			NREC																					
D	LV030	23	23.8	gy	ww	qzSST																					
D	LV030	23.8	24.5			NREC																					
D	LV030	24.5	25	gy	ww	qzSST																					
D	LV030	25	26.4			NREC																					
D	LV030	26.4	27.4	gy	ww	qzSST																					
D	LV030	27.4	29			NREC																					
D	LV030	29	37	yw-bn	mw	cyRB																					
D	LV030	37	47.5	gy-yw	ww	qzSST																					
D	LV030	47.5	54.1	og-bn	mw	cyRB																	0.5				
D	LV030	54.1	58.4	yw-bn-kk	mw	cyRB																					
D	LV030	58.4	60.6	dgn-bk-bn	mw	ZXS						0.5											1	0.5			
D	LV030	60.6	63.6	lgy-gy	mw	ZMRB							0.5					1									
D	LV030	63.6	65			NREC																					
D	LV030	65	68.5	lyw-gy-dgy	vw	ZMRB																					
D	LV030	68.5	70			NREC																					
D	LV030	70	71	gy-cm	mw	ZMRB																					
D	LV030	71	72.1	lyw	mw	SAND																		0.5		1	
D	LV030	72.1	73.9	cm-gy dgn	mw	ZMRB																		0.5			
D	LV030	73.9	76.5	wt-cm	ww	doZMRB																					
D	LV030	76.5	78.6	cm dgn	mw	ZMRB			sr	1																	
D	LV030	78.6	80.2			NREC																					
D	LV030	80.2	82	dgy	mw	pyZXS																				90	
D	LV030	82	83.5			NREC																					
D	LV030	83.5	90.3	lgy-dgy cm	ww	doZMRB																				5	
D	LV030	90.3	93.4	dgn cm	ww	doZMRB			ph	10																	
D	LV030	93.4	110	wt-gy	ww	tcZXS	SAND											1								1	
D	LV030	110	112.6	wt-gy	ww	qzZXS																				0.5	
D	LV030	112.6	115.3	wt-gy	ww	SAND																					
D	LV030	115.3	132.4	gy	ww	qzSS			qz-bt-py	5					2								0.5				2
D	ML133	0	3	og	mw	SST			qz	1	0	0	0	0			0	0			0	0	0	0	0	0	0
D	ML133	3	19.1	og gy	mw	SST			cl ca am py po	1	1	0	0	0			0	0			0	0	0	0	0	0	0
D	ML133	19.1	23.5	gy gn bn	fr	btZHF	amZHF		cl am ca py po qz	2	10	0	0	30			0	0			0	0	0	1	0	0.5	5
D	ML133	23.5	26.7	bn gy	fr	SST			cl am ca py po qz	10	5	0	0	10			0	0			0	0	0	0	0	0	0
D	ML133	26.7	29.7	bn gy	fr	SST			cl am qz po ca	2	2	0	0	10			0	0			0	0	0	2	0	0	5
D	ML133	29.7	34.7	bn	fr	btZHF			qz am cl po ca	2	5	0	0	20			0	0			0	0	0	0	0	0	5
D	ML133	34.7	36.4	bn gn wt	fr	btZHF	pxZHF		am po qz cl	0.5	5	0	0	30			0	0			0	0	0	0	0	0	15
D	ML133	36.4	38.7	bn gn	fr	pxZHF	btZHF		am po cc qz cl	15	15	0	5	15			0	0			0	0	0	0	0	0	30

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML133	38.7	42.1	bn	fr	btZHF	pxZHF		qz po cl am	10	10	0	0	30			0	0			0	0	0	0	0	0	20
D	ML133	42.1	46	gy	fr	SST			am cl po qz cpy py	2	5	0	0	5			0.5	0			0	0	0	0	0	0.5	5
D	ML133	46	48	gy gn	fr	SST	pxZHF		po cl qz am cc	2	5	0	0	10				0	0		0	0	0	0	0	0	5
D	ML133	48	50.6	gy gn	fr	SST	pxZHF		cl am qz po cc py	10	5	0	0	10				0	5			0	0	0	0	0.5	20
D	ML133	50.6	55.9	gy bn	fr	SST			cl qz cc po py	2	2	0	0	10				0	5			0	0	0	0	0.5	2
D	ML133	55.9	63.1	gn bn	fr	XFB	SST		cc cl rd py	10	2	0	0	10				0	10			0	0	0	2	0.5	5
D	ML133	63.1	94.9	d gy	fr	SST			cl cc rd py	1	2	0	0	5				0	0			0	0	0	5	0.5	5
D	ML133	94.9	100.3	dgy gn	fr	SST	amZHF		cl cc rd am	2	10	0	0	5				0	0			0	0	0	5	0.5	10
D	ML133	100.3	111.2	d gy	fr	SST			cl cc rd qz py	1	1	0	0	2				0	0			0	0	0	5	0.5	1
D	ML133	111.2	127.1	d gy	fr	SST			cl cc am qz	1	2.5	0	0	2				0	2			0	0	0	0	0.5	2
D	ML133	127.1	130.5	d gy wt	fr	SST			Qz am cl cc py po	15	5	0	0	0				0	2			0	0	0	0	0	5
D	ML133	130.5	146.7	d gy	fr	SST			cl cc qz am rd	1	1	0	0	2				0	0			0	0	0	2.5	1	1
D	ML133	146.7	150.9	d gy bn	fr	SST			cl cc rd	1	5	0	0	0				0	2			0	0	0	0	0	5
D	ML133	150.9	159.3	d gy	fr	SST			rd cl cc qz py am	5	2	0	0	0				0	2			0	0	0	2	0	2
D	ML133	159.3	162.7	gy gn	fr	XFB	SST		cc cl rd qz py am	10	5	0	0	0				0	10			0	0	0	0	0	5
D	ML133	162.7	164.4	gy gn	fr	SST			qz am cl py po	0.5	5	0	0	0				0	0			0	0	0	0	0.5	2
D	ML133	164.4	167.5	gy bn	fr	SST			cl po am	1	1	0	0	15				0	0			0	0	0	2	0	2
D	ML133	167.5	203.2	d gy	fr	SST			cl cc am qz	1	0	0	0	2				0	0			0	0	0	0	0	0
D	ML133	203.2	206.8	bn gn	fr	btZHF	amZHF		po qz am	2	20	0	0	40				0	0			0	0	0	0	0	15
D	ML133	206.8	209.2	bn	fr	btZHF			py po am qz bt	1	5	0	0	50				0	0			0	0	0	0	0	5
D	ML133	209.2	216.8	cm gn pk b	fr	pxZHF	btZHF		am po qz	5	10	0	2	20				0	0			0	0	0	0	0	40
D	ML133	216.8	219.9	bn gy	fr	SST			cl qz am po	5	2	0	0	10				0	0			0	0	0	0	0	5
D	ML133	219.9	222.9	gy	fr	SST			qz cl cc am po	0.5	2	0	0	5				0	0			0	0	0	0	0	5
D	ML133	222.9	263.4	d gy	fr	SST			cl cc qz am po py	2	1	0	0	5				0	0			0	0	0	1	0.5	5
D	ML133	263.4	266.4	bn gy	fr	btZHF	pxZHF		qz am po cl cc	2	10	0	0	30				0	0			0	0	0	0	0	20
D	ML133	266.4	270	bn	fr	btZHF	pxZHF		qz po cl am	2	5	0	0	50				0	0			0	0	0	0	0	20
D	ML133	270	272.1	pk gn	fr	gtveZXS	pxZHF		cc gt ve am po	2	0	0	0	0				0.5	0			0	40	0	0	0	30
D	ML133	272.1	280.7	wt gy pl	fr	pxZHF	btZHF		am po cc	10	20	0	5	10				0	0			0	0.5	0	0	0	50
D	ML133	280.7	282.5	bn gy	fr	btZHF			am po qz	5	5	0	0	40				0	0			0	0	0	0	0	20
D	ML133	282.5	288.5	bn gy	fr	SST	btZHF		am po qz cl	1	2	0	0	20				0	0			0	0	0	0	0	2
D	ML133	288.5	291.9	bn gn	fr	btZHF	amZHF		am po qz	5	10	0	0	40				0	0			0	0	0	0	0	10
D	ML133	291.9	298	bn gy	fr	btZHF			qz am po cl	2	1	0	0	30				0	0			0	0	0	0	0	1
D	ML133	298	305.8	bn gn cm	fr	amZHF	btZHF		am po qz cl	5	30	0	0.5	30				0	0			0	0	0	0	0	30
D	ML133	305.8	306.8	gn pk	fr	amZHF	gtveZXS		am po cc	2	40	0	0.5	10				0	0			0	10	0	0	0	30
D	ML133	306.8	307.9	pk gn	fr	gtveZXS			cc	1	0	0	0	0				0.5	0			0	40	0	0	0	25

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML133	307.9	316.7	bn gn	fr	amZHF	btZHF		am po qz	5	30	0	0.5	30			0	0			0	0	0	0	0	0	25
D	ML133	316.7	319.8	bn gn	fr	XFB	btZHF		cl cc py am po	10	10	0	0	40			0	0			0	0	0	0	0	0	30
D	ML133	319.8	321.1	pk gn	fr	gtveZXS	ccSS		gt cc	2	0	0	0	0			0	0			0	20	0	0	0	0	20
D	ML133	321.1	321.4	gn	fr	XFG					0	0	0	0			0	15			0	0	0	0	0	0	0
D	ML133	321.4	329.7	bn gy gn	fr	XFB	SST	btZHF	cl cc py	10	5	0	0	10			0	0			0	0	0	0	0	0	10
D	ML133	329.7	343.2	gy	fr	SST			cl cc py po	2	0.5	0	0	10			0	0			0	0	0	0	0	0	2
D	ML133	343.2	345.7	pl wt gn	fr	pxZHF			cc am po	5	10	0	5	0			0	0			0	1	0	0	0	0	50
D	ML133	345.7	350.4	wt pl pk	fr	pxZHF	gtveZXS		gt cc px ve sh	10	5	0	5	0			0	0			0	20	0	0	0	0	40
D	ML133	350.4	357	gy pk	fr	ccSS			cc gt px po cl	5	5	0	0	10			0	0			0	1	0	0	0	0	10
D	ML133	357	359.8	gy pk	fr	gtveZMRB	ccSS		cc gt ve po	5	0	0	0	5			0	0			0	20	0	0	0	0	10
D	ML133	359.8	363.3	bl gy wt	fr	ccSS			cc gt	5	5	0	0	10			0	0			0	1	0	0	0	0.5	5
D	ML133	363.3	367.1	pk wt gy	fr	gtveZMRB	pxZHF		cc	5	0	0	0	0			0	0			0	20	0	0	0	0	40
D	ML133	367.1	378.1	bn gy gn	fr	btZHF	pxZHF		am po cl cc	5	25	0	0.5	30			0	0			0	0	0	0	0	0	30
D	ML133	378.1	380.5	pk bl wt	fr	gtveZMRB	ccSS	pxZHF	po am cc	2	0	0	1	1			0	0			0	10	0	0	0	0	30
D	ML133	380.5	383.5	gy pl gn	fr	pxZHF	amZHF		am po	5	20	0	0.5	10			0	0			0	0	0	0	0	0	40
D	ML133	383.5	388.5	bn gn wt	fr	btZHF	pxZHF		po am	2	10	0	0.5	30			0	0			0	0	0	0	0	0	5
D	ML133	388.5	411.3	gy	fr	SST			cl py po am qz	1	2	0	0	10			0	0			0	0	0	0	0	0	5
D	ML133	411.3	413.5	gy bn	fr	pxZHF			cl cc rd	5	10	0	0	10			0	0			0	0	0	0	0	0	20
D	ML133	413.5	437.3	d gy	fr	SST			cl am qz	1	2	0	0	10			0	0			0	0	0	5	0	0	2
D	ML134	0	11.1	d gy og	ww	SST			qz cl	5	1	0	0	0			0	0			0	0	0	0	0	0	1
D	ML134	11.1	24	d gy	fr	SST			cl py qz	1	1	0	0	5			0	0			0	0	0	0	0	0	1
D	ML134	24	27	dgy gn	fr	SST			cl py	1	2	0	0	5			0	0			0	0	0	0	0	0	2
D	ML134	27	38.4	d gy	fr	SST			cl cc py am po	2	2	0	0	5			0	0			0	0	0	0	0	0.5	1
D	ML134	38.4	43.8	bn cm gn	fr	btZHF	pxZHF		am po cl py qz	10	20	0	0	30			0	0			0	0	0	0	0	0	20
D	ML134	43.8	54	gy gn bn	fr	SST			cl qz am po py	2.5	2	0	0	10			0	0			0	0	0	0	0	0	5
D	ML134	54	58.4	bn gn	fr	btZHF			cl am po	2	5	0	0	30			0	0			0	0	0	0	0	0	5
D	ML134	58.4	76.4	d gy bn	fr	SST			cl cc qz am po	2	2	0	0	15			0	0			0	0	0	0	0	0	2
D	ML134	76.4	80.5	bn gn	fr	btZHF			py cl cc	2	5	0	0	20			0	0			0	0	0	0	0	0.5	5
D	ML134	80.5	123.4	d gy bn	fr	SST	btZHF		cl cc qz am py po	2.5	2	0	0	10			0	0			0	0	0	2	0	0.5	2
D	ML134	123.4	143.7	bn gn	fr	btZHF	SST		cl cc qz am py po	2	10	0	0	25			0	0			0	0	0	0	0	0	5
D	ML134	143.7	148.4	bn gn	fr	XFB	btZHF	pxZHF	cc cl am po py	10	5	0	0	20			0	5			0	0	0	0	0	0	10
D	ML134	148.4	158.4	gn cm bk	fr	amcbZXS	amvoZXS	pxZHF	cc qz sd vo mt po cpy ve	2	30	0	0	2			0.5	0			0	0.5	0	10	0	2	10
D	ML134	158.4	161	gn cm bk	fr	amcbZXS	amvoZXS	pxZHF	cc qz sd vo mt po cpy ve	2	30	0	0	2			0.5	0			0	0.5	0	10	0	2	10
D	ML134	161	166.1	bk bn cm	fr	mtZXS	cbmtZXS	pxZHF	cc fl bt po py apy	2	2.5	0.5	0	20			0	0			1	0	0.5	40	0	2.5	2.5
D	ML134	166.1	168.1	bk bn	fr	pomtZXS			cc po apy	2	0	0.5	0	10			0	2			2.5	0	0	40	0	0	0.5
D	ML134	168.1	175.6	bk l bn	fr	poZXS	pxZHF		po cc fl qz	2	0	0.5	0	15			0	5			5	0	0	2	0	0	10

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML134	175.6	181.6	pl gn cm	fr	pxZHF	amZXS	gtveZXS	am po py cc sd	0.5	20	0	2	5			0	0			0	2	0	5	0	0.5	50
D	ML134	181.6	184.3	pl gy gn	fr	pxZHF	gtveZXS		am po py cc	5	5	0	2	5			0	0			0	2	0	0	0	5	40
D	ML134	184.3	187.9	bn pk gn	fr	pxZHF	btZHF		am-po-qz cl py	15	10	0	2	20			0	0			0	0	0	0	0	0.5	40
D	ML134	187.9	192.4	wt pl gn	fr	pxZHF	gtveZXS	btZHF	am-po-qz	7	15	0	5	10			0	0			0	5	0	0	0	0	40
D	ML134	192.4	199.8	bn cm gn	fr	btZHF	pxZHF		am-po qz bt cc	5	5	0	0	40			0	0			0	0	0	0	0	0	15
D	ML134	199.8	201.9	gy bn	fr	btZHF			am-po qz py cl	5	10	0	0	20			0	0			0	0	0	0	0	0.5	5
D	ML134	201.9	204.3	gn cm bn	fr	pxZHF	btZHF		am-po cl cc py	10	30	0	0.5	10			0	0			0	0	0	0	0	2	40
D	ML134	204.3	220.3	gy wt	fr	SST	FG		cl qz py cc tu am-po	2	5	0	0	10			0	0			0	0	0	0	0	0.5	2
D	ML134	220.3	236	gy	fr	XFB	SST		cl-cc qz am py po	10	1	0	0	5			0	0			0	0	0	0	0	0.5	2
D	ML135	0	6.5	gy	fr	SST				0															0		
D	ML135	6.5	56.5	gy	fr	SST			qz-cc	1															0		
D	ML135	56.5	58.5	gn bn	fr	ZHF			qz-am-po	1															0		
D	ML135	58.5	59.1	bl, gn, bn	fr	SST				1															0		
D	ML135	59.1	64.9	bn, bl, gy	fr	SST			am, cl, am	5															0		
D	ML135	64.9	70	bn, gy, gn	fr	ZHF			am, qz	5															0		
D	ML135	70	82.8	bn, gy, gn	fr	SST			am, po, qz, cpy	5															0		
D	ML135	82.8	91.8	gn, dgy	fr	SST			qz, cl, cc, cpy, po	10															0		
D	ML135	91.8	102.9	dgy	fr	SST			cl, cc	5															0		
D	ML135	102.9	106.1	bl, gn, bn	fr	SST			qz, cl, py	1															0		
D	ML135	106.1	114.6	dgy	fr	SST			cl, cc	2															0		
D	ML135	114.6	117.7	dgy, gn	fr	SST			cl, cc, qz, py	1															0		
D	ML135	117.7	122.7	dgy, gn	fr	SST			cl, cc	1															0		
D	ML135	122.7	134.4	dgy, gn	fr	SST			po, cpy, qz, cl, cc	5															0		
D	ML135	134.4	141.6	dgy	fr	SST			sb, cl, cc	1															0		
D	ML135	141.6	148	dgy, gn	fr	SST			cl, cc	2															0		
D	ML135	148	162	dgy	fr	SST			cl, cc	1															0		
D	ML135	162	169	gy	fr	SS	SM				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML135	169	190.4	gy bn	fr	SS	SM		am-cc-po	0.5	5	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	2
D	ML135	190.4	191.8	cm lgn	fr	pxZHF			ve qz-py-po	10	10	0	2	5	5	0	0	0	0	0	0	5	0	0	0	0	40
D	ML135	191.8	193.6	lgn cm	fr	veccZXS				0.5	5	0	0	0	30	0	0.1	0	0	0	0	10	0	0	0	0	5
D	ML135	193.6	198.9	gn cm bk	fr	amveZXS			mt-po-cc am-cc	5	30	0	0	0	20	0	0.1	0	0	0	0	0.1	0	10	0	0	0
D	ML135	198.9	209.9	lgy pk lgn	fr	vegtZXS			cc	1	5	0	0	0	20	0	0	0	0	0	0	20	0	0	0	0	10
D	ML135	209.9	211.7	gy cm	fr	pxZHF			cc-lau	0.1	10	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0.1	20
D	ML135	211.7	214.8	lgn gy	fr	veZXS			cc	2	5	0	1	5	20	0	0	0	0	0	0	10	0	0	0	0	3
D	ML135	214.8	221	gy bk	fr	mtbtZXS			qz-sd-py-po	2	5	0.1	0	30	5	0.5	1	0	0	0	1	0	0	40	0	0	0
D	ML135	221	222.2	lgy lgn	fr	veccZXS					5	0	0	5	30	0	0.1	0	0	0	0	5	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML135	222.2	225.7	dgn bz	fr	pobtZXS			sd-qz-po po-cpy	1	0	0.1	0	25	10	0	0.5	0	0	0	0	0	0	10	0	0	0
D	ML135	225.7	227.6	lgy bn	fr	veccZXS	pxZHF	qzZHF	am qz-sd	0.5	5	0.1	2	10	40	0	0	0	0	0	0	5	0	0	0	0.5	5
D	ML135	227.6	233.2	bz ywbn	fr	posdZXS			fl-po-bt	5	2	2	0.5	5	0	0	0.1	0	0	0	5	0	0	0	0	0	0
D	ML135	233.2	235	dgy bk	fr	sdmtZXS			fl-po-cpy qz-mt-sd	1	2	5	0	20	0	0	0.1	0	0	0	1	0	0	40	0	0	0
D	ML135	235	240.9	gy bn	fr	sdqzZXS			cc-qz sd-qz	5	0	0	0	10	0	0.5	0	0	0	0	2	0	0	10	0	5	0
D	ML135	240.9	242.8	lgy bn	fr	sdbtZXS			cc-qz sd-qz-mt	3	5	0	2	20	0	0	0	0	0	0	0	5	0	5	0	0	10
D	ML135	242.8	249.7	lgn bk	fr	vemtZXS	pxZHF		po-cc	1	5	0	0	0	10	0	0	0	0	0	0	10	0	10	0	0	10
D	ML135	249.7	253.6	lgy dgy	fr	VB	pxZHF	gtZXS	cc-lau	15	10	0	0	5	30	0	0.5	5	0	0	0	5	0	10	0	0	15
D	ML135	253.6	256.2	lgy wt	fr	VB	pxZHF		cc-lau	20	0	0	0	5	20	0	0	0	0	0	0	0	0	0	0	0	20
D	ML135	256.2	262	cm bn	fr	pxZHF			po-cc	1	0	0	2	10	0	0	0	0	0	0	0	0	0	0	0	0	30
D	ML135	262	265.8	lbn	fr	btZHF				5	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	2
D	ML135	265.8	270.1	cm lgn	fr	pxZHF			am-po	0.5	20	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	20
D	ML135	270.1	282	lbn	fr	btZHF			am-po cc-po	0.1	5	0	3	30	0	0	0	0	0	0	0	0	0	0	0	0	3
D	ML135	282	287.6	dbn gy	fr	btZHF			am-cc-po	0.1	5	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	5
D	ML135	287.6	293	cm lgn	fr	amZHF			am-cc	0.1	30	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	10
D	ML135	293	300.6	gy	fr	SS			am	0.1	10	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML136	0	25.9	dgy og	ww	SST																		0			
D	ML136	25.9	33.8	dgy	fr	SST			sb	2														0			
D	ML136	33.8	79.9	dgy gn	fr	SST			am qz cl cc sb	2														0			
D	ML136	79.9	88.7	gn dgy	fr	SST			cl cc qz am cpy py	2														0			
D	ML136	88.7	96.4	dgy bl	fr	SST			qz cl cc py	2														0			
D	ML136	96.4	100.4	gn bn pk g	fr	ZHF			qz po am py	10														0			
D	ML136	100.4	101.5	bk gn	fr	amZXS			cpy ca	1														30			
D	ML136	101.5	104.7	gn gy bn	fr	ZHF	caZXS		am qz po cpy	2														1			
D	ML136	104.7	109.4	bk gn pgy	fr	amZXS	ZHF		qz cpy	1														25			
D	ML136	109.4	113.1	bk gn	fr	mtZXS			qz cl cc sh	1														50			
D	ML136	113.1	115.3	bk gn	fr	amZXS				1														20			
D	ML136	115.3	125.9	bk gn	fr	mtZXS				1														50			
D	ML136	125.9	128.1	bk gn gy	fr	amZXS	ZHF		sh cl cc cpy qz	2														25			
D	ML136	128.1	137.6	gy bn gn	fr	ZHF			qz py am po	15														0			
D	ML136	137.6	161	dgy	fr	SST			cl, cc, py, sh, am, cpy	2														0			
D	ML137	0	5.6	gy, og	ww	SGVL				0														0			
D	ML137	5.6	12.6	bn, og, gy	mw	RCLY				0														0			
D	ML137	12.6	25.9	dgy og	ww	SST				0														0			
D	ML137	25.9	38.8	dgy og bn	mw	SST				0														0			
D	ML137	38.8	41.2	gy, og	fr	SST			cc	2														0			
D	ML137	41.2	50.2	gy, og	mw	SST	XFG		cc	2														0			
D	ML137	50.2	53.2	gy, wt	ww	ccSS			cc	2														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML137	53.2	71.6	gy, gn	fr	ccSS			cc, py	2														0			
D	ML137	71.6	73.3	gy, gn, wt	fr	ccSS			cc, py	5														0			
D	ML137	73.3	76.9	pk, wt, gn	fr	gtZXS			cc, po, py	1														0			
D	ML137	76.9	79.9	bl, wt, gn	fr	ccSS			cc, po, py, qz	5														0			
D	ML137	79.9	83.2	bn, gy, gn	fr	ZHF			cc, am, po, py	2														0			
D	ML137	83.2	85.9	gn, pk, gy	fr	ZHF	gtZXS		cc, px, gt, px, am, po, q	10														0			
D	ML137	85.9	88.4	pk, gy, gn	fr	gtZXS	STUF?		qz, cc, py	5														0			
D	ML137	88.4	91.2	gy, gn	fr	SS	ZHF		cc, qz, py	2														0			
D	ML137	91.2	99.6	bn, cm, gy	fr	ZHF	ST		qz, am, po, cl, py	10														0			
D	ML137	99.6	100.9	dgy	fr	ST	XFG		py, cl, cc, qz	5														0			
D	ML137	100.9	102.1	bn, cm, gy	fr	ZHF	XFG		py, qz, cl, cc	10														0			
D	ML137	102.1	121.4	gn, cm, bn	fr	ST	ZHF		po, qz, am, py, cc	5														0			
D	ML137	121.4	131.3	gy, gn, bl	fr	ccSS			cc, py, qz	3														0			
D	ML137	131.3	132.7	gn, gy	fr	ccSS			py, cl, qz, cc	20														0			
D	ML137	132.7	144.4	bl, wt, gn	fr	ccSS			qz, cc, py	2														0			
D	ML137	144.4	154.2	bl, wt, gy	fr	ccST			qz, cc, py	5														0			
D	ML137	154.2	172.1	dgy, bl, w	fr	ccST	ST		cc, py	15														0			
D	ML137	172.1	186.8	gn, bl, gy	fr	ccST	ST		py, cc, qz	3														0			
D	ML137	186.8	187	gn, bl, gy	mw	ccST			py, cl, cc, qz	3														0			
D	ML137	187	188			XFB																					
D	ML137	188	190			ccST																					
D	ML137	190	191.1			XFB																					
D	ML137	191.1	204.1	gn, bl, gy	fr	ccST			py, cc,	2														0			
D	ML137	204.1	218.9	bl, gy, wt	fr	gtZXS	ccST		cc, py	3														0			
D	ML137	218.9	225.1	bl, wt, pk	fr	ccST			cc, py	5														0			
D	ML137	225.1	228	gy, gn, bn	fr	ST	ZHF		cc, py, qz, po	5														0			
D	ML137	228	231.8	dgy	fr	SST			cc, cl, py, am, po, qz	3														0			

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danailite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML137	231.8	240	dgy, gy, p	fr	XFB	SST		cl, po, qz, am	5														0			
D	ML137	240	241			FG																					
D	ML137	241	244.6			XFB	SST																				
D	ML137	244.6	272.6	dgy	fr	SST			sb, cc, cl, py, am, qz	2														0			
D	ML137	272.6	288.6	bn, gn, cm	fr	SST			cl, cc, am, qz, po, py	5														0			
D	ML137	288.6	297.2	dgy	fr	SST	XFG		cpy, py, qz, cl, am	5														0			
D	ML137	297.2	304.3	dgy gn	fr	XFB	SST		cl, py, qz, am?	10														0			
D	ML137	304.3	313.8	dgy bn	fr	SST			cc, cl, py, am, po, qz	3														0			
D	ML137	313.8	316.5	gn, cm, bk	fr	amZXS			qz cc	2														3			
D	ML137	316.5	318.2	cm, pu, bn	fr	ZHF			py, am, qz, po	7														0			
D	ML137	318.2	324.3	gn, bn, pg	fr	caZXS			qz cc	2														3			
D	ML137	324.3	343.4	dgn, gy,	fr	amZXS			po, cc, py, sh	1														10			
D	ML137	343.4	345.3	bn, bk, cm	fr	caZXS			py	1														10			
D	ML137	345.3	355.3	gn, cm, gy	fr	ZHF	amZXS		cc, fl, po, cpy, am qz,	1														5			
D	ML137	355.3	356.9	gn, bk	fr	amZXS			cc	3														0			
D	ML137	356.9	370.2	bn, pu, gy	fr	ZHF	amZXS		cc, py, am, qz, po	10														2			
D	ML137	370.2	374.5	gn, gy, wt	fr	ZHF			cc, py	10														0			
D	ML137	374.5	378.1	bn, gy, pu	fr	ZHF	ST		py, am, qz, po, cc	5														0			
D	ML137	378.1	394	gy, wt, gn	fr	FG			cc	1														0			
D	ML138	0	30.1	dgy, og	fr	SST				0														0			
D	ML138	30.1	34.2	dgy	fr	SST			cc, qz	1														0			
D	ML138	34.2	43.5	dgy	fr	SST			cb, cl, cc	5														0			
D	ML138	43.5	49.4	dgy, gn	fr	SST			sb, cc, cl, py, am, qz	2														0			
D	ML138	49.4	62.5	dgy	fr	SST			cl, py, qz	1														0			

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML138	62.5	74.9	dgy, gn	fr	SST			qz, cl, am, py, cpy, cc	5														0			
D	ML138	74.9	94.7	dgy	fr	SST			cl, cc, py	1														0			
D	ML138	94.7	124	dgy	fr	SST				3														0			
D	ML138	124	137.6	dgy	fr	SST				2														0			
D	ML138	137.6	148.2	dgy, gn, b	fr	SST			cc, cc, po, qz, am, py	5														0			
D	ML138	148.2	152.6	bn, gn, pk	fr	pxZHF			am, bt, fl, po, cpy, cl,	20														0			
D	ML138	152.6	153.4	gn, bk	fr	amZXS				0														30			
D	ML138	153.4	157.6	gn bn, gy,	fr	ZHF				3														10			
D	ML138	157.6	163.9	bk, gy, gn	fr	mtZXS			gt, cc	1														65			
D	ML138	163.9	171.3	gn, bk, wt	fr	mtZXS	amZXS		gt, cc	1														50			
D	ML138	171.3	173.6	pk, cm, gn	fr	gtZXS	amZXS		am, po, cc	5														20			
D	ML138	173.6	200.2	dgy	fr	SST			qz, tu, cpy, cc	5														0			
D	ML139	0	37.3	og gy	ww	SST			sb, qz	2														0			
D	ML139	37.3	57.9	dgy	fr	SST			cl, sb, am, qz, py	2														0			
D	ML139	57.9	76.25	dgy	fr	SST			cl, cc, sb, am, qz	1														0			
D	ML139	76.25	82.7	dgy	fr	SST			am?, qz, cl, cc, py	10														0			
D	ML139	82.7	93.5	dgy	fr	SST			am, qz, cl, cc, py	3														0			
D	ML139	93.5	100.9	dgy	fr	SST			am, qz, cl, py,	1														0			
D	ML139	100.9	109.5	dgy gn	fr	ST			am, qz, cl, py, mt?	5														1			
D	ML139	109.5	126.6	dgy	fr	SST			am, qz, cl, py, ca, sb,	2														0			
D	ML139	126.6	132.2	dgy lgy bn	fr	SST			qz, cl, am, py	5														0			
D	ML139	132.2	142.3	wt gn gy b	fr	SST			am?, cl, qz, py, po, px	10														0			
D	ML139	142.3	144.9	wt gn bn p	fr	ZHF			am?, qz, px, po, cl	10														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML139	144.9	148.6	gn bk bn c	fr	amZXS	ZHF			0														15			
D	ML139	148.6	154.9	gn bk bn w	fr	mtZXS	amZXS		cc	1														20			
D	ML139	154.9	158.2	gn bk wt	fr	mtZXS			tu, cc, fl, qz	1														50			
D	ML139	158.2	163.1	gn bk wt	fr	amZXS			cc, qz, am, fl	1														15			
D	ML139	163.1	167.7	bn pk gn c	fr	ZHF			tu, qz, am, po, fl	10														0			
D	ML139	167.7	173.1	dgy gn wt	fr	SST			tu qz fl po py am	3														0			
D	ML139	173.1	184.5	dgy	fr	SST			tu qz	2														0			
D	ML140	0	8.6	dgy, og, b	ww	SGVL																					
D	ML140	8.6	11.5	og, bk, cm	mw	RCLY																					
D	ML140	11.5	14.5	na	na	NREC																					
D	ML140	14.5	35.5	og, bk, cm	mw	RCLY																					
D	ML140	35.5	41.5	na	na	NREC																					
D	ML140	41.5	50.5	og, bk, cm	mw	RCLY																					
D	ML140	50.5	68.7	dgy, lgy	fr	SST	ccST																	0			
D	ML140	68.7	71.2	bn gn	fr	SST	pxZHF																	0			
D	ML140	71.2	84	dgy	fr	SST																		0			
D	ML140	84	88	dgy	fr	XFZ	SST																	0			
D	ML140	88	103	dgy	fr	SST																		0			
D	ML140	103	112	dgy	fr	XFZ	SST																	2			
D	ML140	112	117.8	dgy	fr	SST																		2			
D	ML140	117.8	118.8	dgy	fr	XFZ	SST																	2			
D	ML140	118.8	151.1	dgy	fr	SST																		2			
D	ML140	151.1	152	dgy	fr	XFZ	SST																	2			
D	ML140	152	223.4	dgy	fr	SST																		2			
D	ML140	223.4	236.6	cm bn gn	fr	SST																		0			
D	ML140	236.6	240.6	cm bn gn	fr	ZHF																		0			
D	ML140	240.6	245.6	dgy	fr	amZXS	ZHF																	30			
D	ML140	245.6	256.1	dgy	fr	mtZXS	ZHF																	50			
D	ML140	256.1	259.2	dgy	fr	mtZXS	ZHF																	50			
D	ML140	259.2	261.8	gy	fr	SST			am-po															0			
D	ML140	261.8	263.6	gn	fr	amZXS	ZHF		qz-tu-po, am-po															10			
D	ML140	263.6	264.1	gy	fr	ZHF			qz-tu-po, am-po															0			
D	ML140	264.1	264.4	bn	fr	ZHF			qz-tu-po															0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danailite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML140	264.4	267	dgy	fr	ST			po, am-po																0		
D	ML140	267	269.7	bn gy gn	fr	ZHF			am-po																0		
D	ML140	269.7	287.5	dgy	fr	SST			qz-tu																0		
D	ML141	0	35.7	dgy og	ww	SST			cl qz py																0		
D	ML141	35.7	41.4	dgy	fr	SST			cl py qz tu?	2															0		
D	ML141	41.4	51.8	gy gn	fr	ZHF			am-po qz-tu-po fp-qz-tu-p	5															0		
D	ML141	51.8	69.3	dgn, bk	fr	amZXS	ZHF		qz-tu-po	2															1		
D	ML141	69.3	74.5	gy, dgn,	fr	ZHF	amZXS																		0		
D	ML141	74.5	82	yw, gn	mw	RCLY																					
D	ML141	82	82.2	gn	ww	XFB																					
D	ML141A	0	55.2	na	na	CAV																					
D	ML141A	55.2	68	dgn, bk	fr	amZXS	ZHF		qz-tu-po	2															1		
D	ML141A	68	74.4	gy, dgn	fr	ZHF	amZXS																		0		
D	ML141A	74.4	77	yw	mw	RCLY																			0		
D	ML141A	77	78.6	gy	fr	SST																			0		
D	ML141A	78.6	80.7	bn	mw	RCLY																			0		
D	ML141A	80.7	85	gy	fr	SST																			0		
D	ML141A	85	86.4	yw	mw	RCLY																			0		
D	ML141A	86.4	96.2	gy	fr	SST																			0		
D	ML141A	96.2	98.8	gy, yw og	ww	SST	RCLY																		0		
D	ML141A	98.8	103.8	yw og, bn	mw	RCLY																			0		
D	ML141A	103.8	106	yw og	mw	RCLY																			0		
D	ML141A	106	113.2	gy, yw og	ww	SST	RCLY																		0		
D	ML141A	113.2	115.5	gy	fr	SST			cc	2															0		
D	ML141A	115.5	120.5	bn gy gn	fr	SST			cc cl	2															0		
D	ML141A	120.5	120.8	gy	fr	XFBC	SST		cc	1															0		
D	ML141A	120.8	121.2	gy	fr	SST				0															0		
D	ML141A	121.2	131.7	bn gy gn	fr	SST			cc cl	2															0		
D	ML141A	131.7	133.7	dgk	fr	SST			cc	1															0		
D	ML141A	133.7	152.8	bn gy gn	fr	SST			cc cl	2															0		
D	ML141A	152.8	154.9	bn gy gn	fr	XFZ	SST		cl	1															0		
D	ML141A	154.9	162.1	bn gy gn	fr	SST			cc cl	2															0		
D	ML141A	162.1	169.4	dgy	fr	XFZ	SST		cl	1															0		
D	ML141A	169.4	179.8	dgy	fr	SST	SST		po	1															0		
D	ML141A	179.8	183.2	lgy	fr	pxZXS	gtZXS		am-po	2															0		
D	ML141A	183.2	186.8	lgn	fr	gtZXS			cc	1															0		
D	ML141A	186.8	192.4	lgy	fr	pxZHF	gtZXS		am-po, am-py, qz	2															0		
D	ML141A	192.4	207.4	gy bn	fr	SST			am-po, cl-py, cc-py	2															0		
D	ML142	0	137.5	gy	fr	SST			qz-am-po	1															0		

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML142	137.5	139	gn	fr	amZXS				0														0			
D	ML142	139	139.8	gn dgy	fr	mtZXS				0														50			
D	ML142	139.8	149.15	gn	fr	amZXS				0														10			
D	ML142	149.15	150.4	gn	fr	amZXS				0														10			
D	ML142	150.4	154.6	gn	fr	amZXS				0														10			
D	ML142	154.6	156.1	gn	fr	amZXS				0														0			
D	ML142	156.1	158.75	gn	fr	amZXS				0														10			
D	ML142	158.75	162.3	gn	fr	amZXS			po cc	2														20			
D	ML142	162.3	164	dgy	fr	mtZXS			po cc	2														50			
D	ML142	164	166.8	gn	fr	amZXS			po cc	2														20			
D	ML142	166.8	167.8	gn	fr	amZXS			po cc	2														10			
D	ML142	167.8	168.15	dgn pl	fr	ZHF				0														0			
D	ML142	168.15	169.2	gn	fr	XFB				0														0			
D	ML142	169.2	171	dgn pl	fr	ZHF				0														0			
D	ML142	171	171.7	dgn	fr	amZXS			po	2														5			
D	ML142	171.7	172.2	dgn pl	fr	ZHF			qz-tu	2														0			
D	ML142	172.2	172.3	gn	fr	XFB				0														0			
D	ML142	174.65	175.4	gn	fr	amZXS			po	5														5			
D	ML142	175.4	181.9	dgn pl	fr	ZHF			am-po, qz-tu	2														0			
D	ML142	181.9	182.3	wt	fr	FG				0														0			
D	ML142	182.3	187.7	bn	fr	ST			po	2														0			
D	ML142	187.7	190.3	bn	fr	ST			cc-py	2														0			
D	ML142	190.3	193.7	wt	fr	FG			cc	2														0			
D	ML142	193.7	194.5	bn	fr	ST			cc-py	2														0			
D	ML142	194.5	197.5	gn gy	fr	XFB	SST		cc-py	1														0			
D	ML143	0	43.8	dgy	fr	SST																		0			
D	ML143	43.8	101.7	dgy	fr	SST			cl, qz-cpy-cl, sb-qz	1														0			
D	ML143	101.7	106.9	gy	fr	SST			qz-cl	0														0			
D	ML143	106.9	108.5	gy gn	fr	SST			qz-cl-cpy	10														0			
D	ML143	108.5	144.6	gy	fr	SST			qz-cl, po-cl, cc-cl	1														0			
D	ML143	144.6	149.6	gy	fr	SST			cl-qz-po	5														0			
D	ML143	149.6	151.5	gy	fr	SST			cl	5														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML143	151.5	171.7	gy	fr	SST			qz-cl, cl-cc, am-po	3															0		
D	ML143	171.7	176	gy	fr	SST			cc, cl, am-po	1															0		
D	ML143	176	181.7	bn gn gy c	fr	btZHF	pxZHF	SST	cc am cl	5															0		
D	ML143	181.7	186.7	gn cm bn	fr	pxZHF	btZHF		am-qz, cl, po-am-cpy	5															0		
D	ML143	186.7	188.6	gn wt bk d	fr	mtZXS	amZXS		cc-flt-po-cpy	5															50		
D	ML143	188.6	193.4	gn bk p gn	fr	amZXS	mtZXS	pxZHF	po-cpy-cl-am	5															30		
D	ML143	193.4	194.8	gn bk p gn	fr	amZXS	pxZHF		po-cc	5															10		
D	ML143	194.8	202.6	bk gn	fr	amZXS			cc-po-cpy	5															5		
D	ML143	202.6	209.5	gn bk-gy,	fr	mtZXS			cc-po-cpy-qz-fl	5															50		
D	ML143	209.5	212.4	cm gn bn b	fr	poZXS	mtZXS		po cc	5															20		
D	ML143	212.4	219.2	bk gn	fr	mtZXS			po-cpy, fl-qz-cc	3															50		
D	ML143	219.2	220.4	rd-bn gn c	fr	gtZXS	amZXS	pxZHF	am-po cc	5															5		
D	ML143	220.4	222.8	bk gn cm b	fr	mtZXS	gtZXS		cc fl po cc	2															30		
D	ML143	222.8	225.6	gn bk gy b	fr	gtZXS	amZXS	pxZHF	py-am cc	10															3		
D	ML143	225.6	234.2	gn gy cm p	fr	pxZHF			am py po cl	10															0		
D	ML143	234.2	237.1	gn gy cm b	fr	amZXS	gtZXS	pxZHF	po cc am qz py	3															2		
D	ML143	237.1	239.4	gn pu cm g	fr	pxZHF			py po am	5															0		
D	ML143	239.4	247.6	bn dgy cm	fr	btZHF	pxZHF	ST	cl py po am cpy	4															0		
D	ML143	247.6	251.1	dgy cm gn	fr	SST	pxZHF		py qz px?	2															0		
D	ML144	0	11.7	gy og	ww	SST			cl	1															0		
D	ML144	11.7	18.6	lgy bn lgn	fr	pxZHF	SST		qz-po, qz-cl	3															0		
D	ML144	18.6	22	lgy lgn	fr	pxZHF	btZHF		am-po, px-po	3															0		
D	ML144	22	23.5	lpl, lgn,	fr	pxZHF			po	3															0		
D	ML144	23.5	24.1	wt	fr	SCB			cc, po	5															0		
D	ML144	24.1	29.4	lgn lpl lg	fr	pxZHF	vsZXS		po, cc-po	3															0		
D	ML144	29.4	34.6	bn gy lgy	fr	btZHF	pxZHF	SST	cl-po, cc	2															0		

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML144	34.6	39.6	lgy lgn bn	fr	pxZHF	btZHF		po-px, am-po, cl	3														0			
D	ML144	39.6	41.8	lbn	fr	pxZHF			po px	5														0			
D	ML144	41.8	46.9	dbn lgn	fr	btZHF	pxZHF		po, po-px	2														0			
D	ML144	46.9	61.2	gy dbn	fr	SST			cl-cpy, cl-po, qz-cl-cpy	1														0			
D	ML144	61.2	91.2	gy	fr	SST	pxZHF	XFBC	qz-cl	1														0			
D	ML144	91.2	112.3	gy	fr	SST			cl-po	1														0			
D	ML144	112.3	124.1	dgy	fr	SST			cl-qz, cl-po	3														0			
D	ML144	124.1	134.2	gy bk	fr	SST	SM		sb, cl, cl-py	1														0			
D	ML144	134.2	138.9	dgy	fr	SST			cl	1														0			
D	ML144	138.9	144.2	dgy gy	fr	SST			qz-cl-sb, am-po, am-py, p	3														0			
D	ML144	144.2	145.7	gy	fr	SST			cc, cl-qz	5														0			
D	ML144	145.7	152.6	gy	fr	SST			qz-cl-po, cc, fl	2														0			
D	ML144	152.6	191	gy	fr	SST			qz-bt	0.1	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	2
D	ML144	191	196.5	bngy	fr	btZHF			qz-po cc	0.5	10	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	10
D	ML144	196.5	198.7	cm bn	fr	pxZHF	btZHF		cc-po-cpy cc-fl-bt	1	10	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	30
D	ML144	198.7	206.9	bn cm	fr	btZHF	pxZHF		ve-am am	1	10	0	0	40	0	0	0	0	0	0	0	1	0	0	0	0	10
D	ML144	206.9	214.6	cm gn	fr	gtccZMRB	pxZHF		po ax-cc-ve-po	5	5	0	5	0	30	0	0	0	0	0	0	0	30	0	0	0	10
D	ML144	214.6	217.5	gn bz	fr	ampoZXS	pxZHF		po-cc sd-qz	1	30	5	0	5	0	0	0.1	0	0	0	0	0	0	5	0	0	10
D	ML144	217.5	218.8	bn cm	fr	gtpxZXS				0	0	0	0	2	0	0	0.1	0	0	0	0	0	30	0	0	0	30
D	ML144	218.8	220	bk bz dgn	fr	ammtZXS	qzsdZXS		cpy-po-cc qz-sd	2	20	1	0	5	0	0	0.1	0	0	0	0	0.1	2	0	30	0	0
D	ML144	220	226.6	cm lgn lbn	fr	gtpxZXS	pxZHF		cc-po ve-am	1	0	0	2	2	20	0	0.1	0	0	0	0	0	20	0	0	0	30
D	ML144	226.6	230.8	cm plgy	fr	pxZHF			am-ve-po	1	10	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	30
D	ML144	230.8	234.8	bn cm	fr	btZHF			am-po	1	10	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	10
D	ML144	234.8	244	cm bn	fr	pxZHF	gtpxZXS		am-ve-po	1	5	0	5	10	0	0	0	0	0	0	0	10	0	0	0	0	30
D	ML144	244	244.8	bn	fr	qzpoZHF			po-qz	1	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML144	244.8	245.5	gn bz	fr	ampoZXS			po	1	30	0	0	10	0	0	0.1	0	0	0	0	0	0	0	0	0	0
D	ML144	245.5	251.5	bn	fr	qzpoZHF			qz-am-cpy	1	5	0	2	10	0	0	0.1	0	0	0	0	0	0	0	0	0	10
D	ML144	251.5	254.8	cm lgn lbn	fr	pxZHF				10	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	40
D	ML144	254.8	258.2	bn cm lgn	fr	btZHF	gtpxZXS		ve-po-am-qz	1	10	0	0	30	0	0	0	0	0	0	0	0	2	0	0	0	5
D	ML144	258.2	263.5	bn gy	fr	btZHF			qz cc-ve	1	10	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML144	263.5	271.7	gy	fr	SST			qz cc-ve	1	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML145	0	23.8	og gy lbn	mw	RCLY	SST		?zeolite	1														0			
D	ML145	23.8	31.8	gy og	ww	SST	RCLY		qz-sx	1														0			
D	ML145	31.8	64	gy	fr	SST			cl, qz-cl-po-cpy, px	1														0			
D	ML145	64	84			pxZHF																					
D	ML145	84	87.2			amZXS																					
D	ML145	87.2	92.7			XFBI	amZXS																				
D	ML145	92.7	94.5			amZXS																					
D	ML145	94.5	98.5	cm gn gy	fr	pxZHF	amZXS		qz-tu-py-fl am	10														0			
D	ML145	98.5	100.3	gn bk yw	fr	amZXS			qz-tu-py-fl py cl	5														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML145	100.3	103	bk yw gn	fr	voZXS			py	1														3			
D	ML145	103	112.9	gn cm bn	fr-ww	pxZHF	amZXS	voZXS	cc-cl, cl-py, qz-tu-py, a	10														1			
D	ML145	112.9	114.8	gn gy cm b	fr	amZXS	pxZHF		cl py	2														3			
D	ML145	114.8	116.4	gn wt	fr-ww	XFG	amZXS	pxZHF	cc-cl	10														0			
D	ML145	116.4	119.1	gn gy bk	fr-ww	pxZHF	amZXS		cc cl	3														1			
D	ML145	119.1	121.1	gn cm bk g	fr	voZXS	pxZHF	gtZXS	py-cl, cc-cl	5														2			
D	ML145	121.1	128.6	gn pk gy c	fr-ww	pxZHF	gtZXS		cc-cl	3														0			
D	ML145	128.6	131.9	gn wt bk	fr-ww	amZXS			cl-cc±py	3														0			
D	ML145	131.9	137.7	gn bk pk w	na	voZXS	gtZXS	pxZHF	cc-cl	3														3			
D	ML145	137.7	139	bk gn pk w	na	gtZXS	amZXS		cc-cl	2														0			
D	ML145	139	149.9	gn gy pk b	na	pxZHF	gtZXS		gt-ca-px cl py cpy po	10														2			
D	ML145	149.9	153.2	gn gy wt p	na	amZXS	pxZHF		cl px-po	2															3		
D	ML145	153.2	155.1	pk gy gn w	na	gtZXS			ca-cl	1														0			
D	ML145	155.1	158.2	pk gy gn w	na	SCB	gtZXS	pxZHF	cc	1														0			
D	ML145	158.2	160.9	gn wt	na	amcaZXS			ca-cl, qz	1														0			
D	ML145	160.9	161.8	gn	na	XFB				0														0			
D	ML145	161.8	163.7	gn-gy	na	gtZXS	SST		qz	1														0			
D	ML145	163.7	165.9	lt-gy dk-g	na	ccST			qz	1														0			
D	ML145	165.9	168	gn	na	XFB				0														0			
D	ML146	0	4			SST	RCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML146	4	53.8			SST	RCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML146	53.8	79.7			SST					1	0	0	0	0	0	0	0	2	0	0	0	0	0.5	2	0	0
D	ML146	79.7	170.2	gy og gn	ww	SST			px-cl-qz, py	4														0			
D	ML146	170.2	172.3	gn bn wt	fr	amZHF	btZHF		po cc-cl-qz	2	40	0	0.1	20	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML146	172.3	177.2	bn cm-gn	fr	btZHF			cc qz-bt	2	5	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML146	177.2	182.3	pk cm bn g	fr	pxZHF	btZHF		qz-po	5	20	0	1	20	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML146	182.3	183.8	bn	fr	btZHF			am-po-qz po px cl-cc	2	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML146	183.8	186.1	pk gn wt b	fr	pxZHF	gtveZXS		am-po-qz qz-bt py cl-cc	5	20	0	0	10	0	0	0	0	0	0	0	20	0	0	0	1	30
D	ML146	186.1	189.1	bn gn-wt	fr	btZHF	amZHF		cl-py-asp cc am- po fl-cc	5	10	0	0	30	0	0	0	0	0	0	0.5	0	0	0	0	0	10
D	ML146	189.1	193	bn gn cm l	fr	pxZHF	btZHF		am-po-qz±py po px bt-qz	5	25	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	30
D	ML146	193	194	pl wt gn p	fr	pxZHF			po-am-qz px po am	10	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	40
D	ML146	194	195	gn pk wt	fr	gtveZXS			cc	1	10	0	0	0	0	0	0	2	0	0	0	20	0	0	0	2	10
D	ML146	195	196.3	bn	fr	btZXS	gtveZXS		da-qz-sd po	5	2	0	0	40	0	0	0	1	0.1	0	0	1	0	10	0	3	1
D	ML146	196.3	208.3	yw-bn	fr	sdqzZXS			cb-cl-qz-po-py	10	5	0.5	0	10	3	0	0.5	1	0.1	0	0	0	0	5	0	8	0
D	ML146	208.3	219	dgy bn	fr	ammtZXS			sd-qz-cc-po-asp po	5	15	5	0	20	0	0	0.5	0	0	0	0	0	0	40	0	1	0
D	ML146	219	226.1	gn	fr	amZXS	qzsdZXS		po cb-sd-cl cb-po- am	3	70	0.5	0	15	0.5	0	0	0.5	0	0	0	0	0	5	0	0.5	5
D	ML146	226.1	232.4	gn dgy	fr	ammtZXS			cb-qz-po-am-sd po po-asp-	5	30	0.5	0	20	1	0	0.5	0	0	0	0	0	0	30	0	0.5	2
D	ML146	232.4	233.8	pk gn	fr	gtveZXS	ammtZXS		gt-ve-cb-po-py po- am-mt	3	10	0.5	0	0	0	0	0.5	0	0	0	0	40	0	3	0	0.5	3
D	ML146	233.8	235.7	gn wt bz	fr	amZXS			po am-cb-po-asp	15	50	0.5	0	3	2	0	0.5	5	0	0	0	0	0	3	0	0.5	0
D	ML146	235.7	239.1	pk gn	fr	gtveZXS			po-py-asp-gt-ve- cb	1	10	0.5	0	0.5	0	0	0.5	0	0	0	0	50	0	0	0	0.5	1
D	ML146	239.1	242.6	gn dgy	fr	ammtZXS	gtveZXS		po po-py-cb-am- mt-asp asp	5	50	1	0	0	0	0	0.5	0	0	0	0	0.5	0	40	0	0.5	1
D	ML146	242.6	248	pk pgn dgn	fr	gtveZXS	qzZHF		gt-cb-am	1	8	0	0	1	0	0	0	0	0	0	0	0	30	0	0	1	5
D	ML146	248	255.5	gn bn	fr	qzZHF			po-am cb-am-fl	3	20	0	0	20	0	0	0	0	0	0	1	0.5	0	0	0	0	20
D	ML146	255.5	258.3	pk wt	fr	gtcbZXS			cc ax	2	2	0	1	1	0	0	0.5	0	0	0	0	0	30	0	0	0	0.5
D	ML146	258.3	261.1	bn cm-gn	fr	qzZHF			po px	0.5	5	0	0	20	0	0	0	0	0	0	0	0	0.5	0	0	0	10
D	ML146	261.1	264.5	bn-dgy	fr	btZHF	SST		cb am-px-po	1	3	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0.5	1
D	ML146	264.5	291.9	dgy	fr	SST			qz-po-py-am rd	0.5	1	0	0	10	0	0	0	0.5	0	0	0	0	0	0	0	0.5	1
D	ML147	0	8.4	bn	mw	RCLY				0														0			
D	ML147	8.4	15.6	gy og	ww	SST	RCLY			0														0			
D	ML147	15.6	21.2	og	vw	RCLY				0														0			
D	ML147	21.2	25.4	gy	ww	SST				1														0			
D	ML147	25.4	42.9	gy og	ww	SST				1														0			
D	ML147	42.9	49.2	gy	fr	SST			qz-cl	1														0			
D	ML147	49.2	59.2	dgy	fr	SST			qz-cl, qz-py-po, fl- py-po	3														0			
D	ML147	59.2	61	lgy	fr	SST			qz-cl, qz-py-tu	8														0			
D	ML147	61	62.1	lgy	fr	XFBC			cl	5														0			
D	ML147	62.1	68	dgy	fr	SST			qz-cl-po-cpy, po-fl	8														0			
D	ML147	68	107.2	dgy	fr	SST			qz-cl-po, cc, qz-tu	2														0			

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	ML147	107.2	143.3	dgy	fr	SST			qz-cl-cpy, fl, qz-po, sb	1														0				
D	ML147	143.3	148.2	dgy	fr	SST			cl, fl	2														0				
D	ML147	148.2	163.4	gy	fr	SST			cl-cpy, sb, cc	0.5														0				
D	ML147	163.4	164.6	dgy	fr	SST			cl	0														0				
D	ML147	164.6	196	dgy gy	fr	SST			qz-cl-py, am-qz-cpy, ca-c	2														0				
D	ML147	196	196.3	dgy	fr	SST				0														0				
D	ML147	196.3	223.1	dgy gy	fr	SST			cl-py, am-cpy, ca-cl, qz-	2														2				
D	ML147	223.1	269.4	dgy	fr	SST			cc-cl, qz-am, cl-cc-gt, q	2														0.5				
D	ML147	269.4	300.7	dgy	fr	SST			am, qz-cl	1														0				
D	ML147	300.7	301.8	dgy-bn gn	fr	SST			cl-cb-py bt am-py	0.5	0.5	0	0	10	0	0	0	0.5	0	0	0	0	0	0	0	0	0	
D	ML147	301.8	312	bn gn-cm	fr	btZHF			qz-cb-am-po-py	1	10	0	0	40	0	0	0.5	0	0	0	0	0	0	0	0	0	1	5
D	ML147	312	315.2	cm-gn-pk b	fr	pxZHF	btZHF		cb cb-qz-cl-po-py	5	20	0	1	30	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	30
D	ML147	315.2	319.3	bn cm-gn	fr	btZHF	pxZHF		po-py-cpy-am-qz px-am	5	5	0	0	30	0	0	0.5	0	0	0	0	0	0	0	0	0	0.5	10
D	ML147	319.3	321.9	pgn-gy bn	fr	pxZHF	qzZHF		cb-py-po-am	10	5	0	0	10	0	0	0	0	0	0	0	0	5	0	0	0	0.5	40
D	ML147	321.9	326.6	dgn pgn pk	fr	amZXS	gtveZXS		po am-py qz-sd-cc-am-bt-c	5	50	0	0	5	0	0	0	0	5	0	0	0	5	0	2	0	2	3
D	ML147	326.6	327.8	dgn cm-pk-	fr	ammtZXS	gtveZXS		po-py cb	1	40	0.5	0	20	0	0	0	0	0	0	0	0	1	0	20	0	2	2
D	ML147	327.8	329.2	dgn	fr	amZXS			cb-am-py-po	1	60	0	0	20	0	0	0	0	5	0	0	0.5	0.5	0	1	0	3	2
D	ML147	329.2	331	gn bz	fr	amZXS			cb am-po	1	75	0.5	0	3	0	0	0	0.5	5	0	0	0	2	0	0	0	0	0
D	ML147	331	331.8	gn-bn bz	fr	mtpoZXS			po-cb-am-bt-cl-da-qz	5	10	0	0	10	0	0	0	0.5	10	0.5	0	2	0	0	30	0	1	0.5
D	ML147	331.8	334.9	dgn	fr	amZXS			cb-sh-am-bt-qz-asp-py-po-	3	60	0.5	0	10	0	0.5	0.5	10	0	0	0	0	0	0	10	0	1	0
D	ML147	334.9	336	dgn dgy	fr	ammtZXS			qz-sd-cs-am-po-py cb mt	3	25	0	0	20	0	1	1	10	0	0	0	0.5	0	0	30	0	1	0
D	ML147	336	346.5	dgn dgy	fr	amZXS	ammtZXS		cb-qz-am-po-py-da-cs po c	2	50	0.5	0.5	5	0	0.5	0.5	5	0.5	0	0.5	0	0	0	20	0	2	0.5
D	ML147	346.5	353.3	dgn pk-gn	fr	ammtZXS	gtveZXS		cb cb-am cb-am-qz-po-mt-b	1	40	0	0.5	10	0	0	0	0.5	5	0	0	0	0.5	0	30	0	1	0.5
D	ML147	353.3	360	dgn	fr	amZXS	amZHF	gtveZXS	po cb am-po-cpy-cb-qz-am	2	50	0	0.5	15	0	0	0	0.5	10	0	0	0	0.5	0	2	0	0.5	1
D	ML147	360	362.9	dgy dgn pk	fr	ammtZXS	amZXS	gtveZXS	po-cb-am-py-cpy-asp	2	45	0.5	0	1	0	0	0	0.5	5	0	0	0	0.5	0	35	0	1	0
D	ML147	362.9	366	pk-gn dgn	fr	gtveZXS	amZXS		cb-m-py-po px-am	2	50	0	0.5	1	0	0	0	0	0	0	0	0	15	0	1	0	1	5
D	ML147	366	369.7	dgn bz	fr	amZXS			po po-cb-am-qz-bt	10	40	0	0	20	0	0	0	0	0	0	0	0	0	0	10	0	1	0
D	ML147	369.7	375.8	gn pk	fr	gtveZXS	amZXS		cb px cb-asp-am py-po-asp	2	20	0.5	0	5	0	0	0	0	0	0	0	0	40	0	2	0	1	10
D	ML147	375.8	379.5	cm-gy-gn	fr	pxZHF			cb am-po	1	10	0	0.5	20	0	0	0	0	0	0	0	0	0	0	0	0	1	30
D	ML147	379.5	385.9	bn pgn-cm	fr	btZHF			am-po-qz-cl-ze	1	10	0	0	20	0	0	0	0	0.5	0	0	0	0	0	0	0	0	10

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML147	385.9	389.2	pk-gn	fr	gtveZXS	amZXS		cb am-po	1	10	0	0	0	0	0	0	0	0	0	0	50	0	2	0	1	10
D	ML147	389.2	391.6	cm-bn	fr	pxZHF			po-qz-am cl-py	1	5	0	0.5	25	0	0	0	0.5	0	0	0	0	5	0	0	0.5	30
D	ML147	391.6	392.3	pbn	fr	btZHF			bt-qz-po	15	2	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	30
D	ML147	392.3	403	bn	fr	btZHF			am-po-px-qz-py cc-cl	2	5	0	0	25	0	0	0	0.5	0	0	0	0	0	0	0	0.5	5
D	ML147	403	410.3	dgy	fr	SST			cl-cb-py	0.5	2	0	0	5	0	0	0	0.5	0	0	0	0	0	0	0	0.5	2
D	ML148	0	25.8	dgy	ww	SST			qz	3													0				
D	ML148	25.8	53.8	dgy	fr	SST			qz	1													0				
D	ML148	53.8	54.4	dgy	fr	SST				0													0				
D	ML148	54.4	61.5	dgy	fr	SST			qz-cl-cpy, am-po	3													0				
D	ML148	61.5	64.5	dgy lgy	fr	SST			qz-cl	5													0				
D	ML148	64.5	72	gy	fr	SST			qz-cl-cpy, cl	3													0				
D	ML148	72	74.4	dgy	fr	SST			cl-po-cpy														0				
D	ML148	74.4	77.2	dbn lgy	fr	SST			am-po, cl-po	3													0				
D	ML148	77.2	82	lgy	fr	pxZHF			am-po, py	3													0				
D	ML148	82	83.6	lgy	fr	pxZHF				0													0				
D	ML148	83.6	89.1	lgy	fr	pxZHF	SST		qz-cl, py-cl, cl	3													0				
D	ML148	89.1	94.5	dgy	fr	SST			cl, qz-am-po, po	1													0				
D	ML148	94.5	101.1	dbn gy	fr	btZHF	pxZHF		am-py, qz-cl-py, cl-py	2													0				
D	ML148	101.1	106.1	lgy lgn cm	fr	pxZHF			cl-po, py-po	3													0				
D	ML148	106.1	114.6	lgy pk cm	fr	pxZHF	gtZXS		cl-po, qz-cl-po, am-po, g	3													0				
D	ML148	114.6	116.6	lbn lgn	mw	pxZHF																	0				
D	ML148	116.6	122	lgy gy pk	fr	ccST	pxZHF	gtZXS	cl, po	1													0				
D	ML148	122	133.1	og lbn lgn	vw	RCLY				0													0				
D	ML148	133.1	134.5	lgn lgy	ww	pxZHF			cl	1													0				
D	ML148	134.5	135.5	lgy og bn	ww	pxZHF			cl	0													0				
D	ML148	135.5	139.1	lgy lgn pk	ww	pxZHF	gtZXS	ccST	cl, tu-py-?cl	2													0				
D	ML148	139.1	140.2	og lgy	mw	pxZHF			tu-?cl	5													0				

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML148	140.2	147.9	lgy pk dgn	fr	pxZHF	gtZXS	ccST	tu-po, tu-ca, ca-cl, gt-p	3														0			
D	ML148	147.9	152.9	pk lbl lgy	fr	gtZXS	ccST	pxZHF	gt, tu, cl	2														0			
D	ML148	152.9	162.4	dgy lgy	fr	SST	pxZHF		cc, cl-cc, px	3														0			
D	ML148	162.4	167	lgy dgy	fr	ccST	SST	pxZHF	ca, cc	2														0			
D	ML148	167	188.2	dgy gy	fr	SST	ccST	pxZHF	cc-cl, ca	2														0			
D	ML148	188.2	193	lgy cm dgy	fr	ccST	SST	pxZHF	cc, ca	5														0			
D	ML148	193	195.7	gy	fr	SST	pxZHF		cc, ca	2														0			
D	ML148	195.7	196.7	pk lbl	fr	gtZXS			cc	1														0			
D	ML148	196.7	202.6	dgy	fr	SST	pxZHF		po, px, am-po	3														0			
D	ML148	202.6	208.5	dgy	fr	SST			cl qz	1														0			
D	ML149	0	10.2	og bn gy	mw	SST	RCLY			0														0			
D	ML149	10.2	27.4	gy og	ww	SST			zeolite, qz-cl	2														0			
D	ML149	27.4	28.1	gy	vw	RCLY				0														0			
D	ML149	28.1	36.5	gy lbn og	mw	SST	RCLY		qz-cl	1														0			
D	ML149	36.5	38.5	lbn og	vw	RCLY				0														0			
D	ML149	38.5	52.2	gy	ww	SST			qz-cl	2														0			
D	ML149	52.2	56.4	lgy	fr	SST			qz-cl-cpy, am-po	3														0			
D	ML149	56.4	86	dgy bn	fr	SST			cl-qz, qz-am-cpy, am-po-c	1														0			
D	ML149	86	86.6	dgy gn	fr	FZ	SST			0														0			
D	ML149	86.6	91.2	dgy bn	fr	SST			cl-qz, qz-am-cpy, am-po-c	1														0			
D	ML149	91.2	104.2	dgy	fr	FZ	SST		qz-po	1														0			
D	ML149	104.2	114.8	dgy	fr	SST			qz-tu-po-ap	2														0			
D	ML149	114.8	122.9	dbn dgy dg	fr	btZHF			qz-tu-po-ap, am-po	2														0			
D	ML149	122.9	132.85	lgy	fr	pxZHF			am-po	5														0			
D	ML149	132.85	142.2	lgy lgn	fr	pxZHF	gtZXS		am-po	5														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
H1001																												
D	ML149	142.2	148.4	lgy dgn	fr	pxZHF	amZXS		am-po	10														0				
D	ML149	148.4	151.3	dgn dgy lg	fr	mtZXS	pxZHF		am-po, vo	5														30				
D	ML149	151.3	152.1	lt gy	fr	pxZHF			am-po	5														0				
D	ML149	152.1	153.3	dgn dgy lg	fr	mtZXS	pxZHF		am-po, vo	5														40				
D	ML149	153.3	155.1	dgy lgy	fr	pxZHF	ccST		am-po	5														0				
D	ML149	155.1	157.7	pl-og lgn	fr	gtZXS	pxZHF		am-po	5														0				
D	ML149	157.7	158.6	dgy	fr	ccST	pxZHF			0														0				
D	ML149	158.6	161.9	wt og-bn	fr	gtZM	gtZXS			0														0				
D	ML149	161.9	165	dgy	fr	ccST	pxZHF			0														0				
D	ML149	165	167.9	lgy og-bn	fr	gtZM				0														0				
D	ML149	167.9	170.35	dgy lgn lg	fr	pxZHF			am-po	2														0				
D	ML149	170.35	178	dgy og-bn	fr	ccST	gtZXS			0														0				
D	ML149	178	180.8	wt og-bn	fr	gtZM				0														0				
D	ML149	180.8	182.7	dgy og-bn	fr	gtZXS	pxZHF			0														0				
D	ML149	182.7	186.4	wt og-bn	fr	gtZM				0														0				
D	ML149	186.4	214	dgy og-bn	fr	gtZXS	SST	pxZHF	am-po-cp-cc, gt-px	3														0				
D	ML149	214	219.2	dgy-gn	fr	SST			gt-px	5														0				
D	ML149	219.2	226.8	dgn og-bn	fr	amgtZXS	pxZHF		cc-po-cp	2														1				
D	ML149	226.8	228.1	dgy wt	fr	ccST	gtZM			0														0				
D	ML149	228.1	230	lbn	fr	ZXS				0														0				
D	ML149	230	231.8	dgn	fr	amgtZXS				0														0				
D	ML149	231.8	235.6	dgy wt	fr	ccST	gtZM	pxZHF		0														0				
D	ML149	235.6	251.5	dgy	fr	SST			px-po	5														0				
D	ML150	0	70.3	gy og	ww	SST					0	0	0	0			0	0			0	0	0	0	0	0	0	
D	ML150	70.3	76.8	gy gn	fr	SST			cl-bt	1	5	0	0	10			0.5	0			0	0	0	0	2	0	0.5	5
D	ML150	76.8	138.9	gy	fr	SST			cl-cc-am-py-po-cpy	2	2	0	0	2			0.5	0			0	0	0	0	1	0	0	1
D	ML150	138.9	145	gy gn bn	fr	SST			cc-cl-rd-cpy-py	1	2.5	0	0	10			0.5	0			0	0	0	0	0.5	0	0	2.5
D	ML150	145	147.6	gy bn	fr	SST			cl-am-cc-qz-py	0.5	5	0	0	5			0	0			0	0	0	0	0	0	0.5	5
D	ML150	147.6	155.6	bn gn	fr	btZHF	amZHF		cc-am-cl-py	2	15	0	0	30			0	0			0	0	0	0	0	0	0.5	10
D	ML150	155.6	170.4	bn cm	fr	pxZhf	btZHF		py-am-po-cl-cc-qz	10	20	0	0.5	20			0	0			0	0	0	0	0	0	0.5	30
D	ML150	170.4	181.8	bn gn	fr	btZHF	amZHF		cc-cl-am-po-qz	0.5	20	0	0.5	40			0.5	0			0	0	0	0	0	0	0	20
D	ML150	181.8	187.2	bn	fr	btZHF	ST		cl-cc-py-qz-cpy	2	1	0	0	30			0	0			0	0	0	0	0	0	0.5	1
D	ML150	187.2	196.1	bn gn pk	fr	btZHF	pxZHF	ST	am-po-cl-cc-qz-py	5	10	0	0.5	30			0	0			0	0	0	0	0	0	0.5	20
D	ML150	196.1	198.1	gy pk cm	fr	ST	gtveZXS	pxZHF	po-am-cl	2.5	5	0	0.5	2			0	0			0	10	0	0	0	0	0.5	30
D	ML150	198.1	206.3	pk gy cm	fr	gtveZXS	ccSS	pxZHF	cc-am-px-po-qz-gt-ve	2	1	0	0.5	0.5			0	0			0	20	0	0	0	0	0.5	20
D	ML150	206.3	207.3	pk gy	fr	gtveZMRB			cc-gt-ve	2	0	0	0	0.5			0.5	0			0	20	0	0	0	0	0	10

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	ML150	207.3	214.7	gy	fr	ccSS			cc-py-cl-am	30	2	0	0	0.5			0	0				0	0	0	0	0	0.5	20
D	ML150	214.7	218.3	yw	fr	qzsdZXS	btZXS	pxZHF	sd-py,cc-pz-px-cl	5	1	0	0	20			1	5				0	0	0	1	0	5	10
D	ML150	218.3	219.1	bk yw	fr	mtZXS			sd-py-cc-qz	5	0	0	0	10			0.5	5				0	0	0	60	0	2	0
D	ML150	219.1	223	cm pk gn	fr	gtveZXS	ccSS		cc-gt-ve-py	2	5	0	0	0.5			0	0				0	2	0	0	0	0.5	30
D	ML150	223	226.2	bk bn	fr	btZXS			cc-qz-sd-po-cpy-cl	2.5	1	0	0	30			1	0				1	0.5	0	20	0	0.5	5
D	ML150	226.2	230.3	bn yw gy	fr	qzsdZXS	bt ZXS		cc-sd-cpy-po-py-qz	20	0	0	0	20			3	0				0	0	0	10	0	2	2
D	ML150	230.3	232.2	pk gn gy	fr	gtveZXS			cc	0.5	10	0	0	2.5			0	0				0	2.5	0	0	0	0.5	10
D	ML150	232.2	236.7	bn	fr	btZXS			sd-cc-cpy-po	2.5	0	0	0	40			0.5	0				0.5	0	0	5	0	0	1
D	ML150	236.7	247	yw-gy bn	fr	qzsdZXS			sd-fl-qz-cc-py-cpy-bt	10	0	0	0	5			2	0				0.5	0	0	2.5	0	2	0
D	ML150	247	254	bn yw	fr	btZXS	qzsdZXS		sd-fl-cpy-cc-py	10	2.5	0	0	30			2	0				0.5	0	0	0	0	2	2
D	ML150	254	256	bk yw gy	fr	qzsdZXS	btcbZXS		sd-py-cpy	2.5	0	0.5	0	15			1	0				0.5	0	0	2	0	3	2
D	ML150	256	260.6	bn	fr	btZXS			cpy-py-po-qz-cc-sd	2	0	0	0	40			0.5	0				0	0	0	5	0	1	2
D	ML150	260.6	266.8	pk gn cm p	fr	gtveZXS	pxZHF	ccSS	cc-gt--ve-ax-am-po-py	10	5	0	5	1			0	0				0	15	0	0	0	0	30
D	ML150	266.8	279.5	cm gy bn g	fr	pxZHF	btZHF	ST	ax-cl-po-py	5	10	0	0.5	20			0	0.5				0	0	0	0	0	0.5	30
D	ML150	279.5	280.8	gy wt	fr	ccSS			cl-po-py-cc	2	0	0	0	0			0	0				0	0	0	0	0	1	10
D	ML151	0	25.7	d gy og	ww	SST			qz cl py cpy	1															0			
D	ML151	25.7	26.8	dk-gy	fr	SST			qz	1															0			
D	ML151	26.8	30.1	dk-gy	fr	SST			qz-am-po	1															0			
D	ML151	30.1	33.4	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	33.4	35.6	og-bn	mw	RCLY	pxZHF			0															0			
D	ML151	35.6	36.4	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	36.4	36.8	gn	fr	XFB	pxZHF			0															0			
D	ML151	36.8	37.8	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	37.8	39.7	og-bn	ww	pxZHF				0															0			
D	ML151	39.7	41	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	41	43.4	gn	fr	XFB	pxZHF			0															0			
D	ML151	43.4	45.6	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	45.6	52.6	og-bn lt-g	mw	RCLY	pxZHF			0															0			
D	ML151	52.6	56.5	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	56.5	72	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	72	72.2	gn	fr	XFB	pxZHF			0															0			
D	ML151	72.2	75.3	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	75.3	77.3	og-bn lt-g	mw	RCLY	pxZHF			0															0			
D	ML151	77.3	92.5	lt-gy	fr	pxZHF			am-po	5															0			
D	ML151	92.5	99.5	bk dk-bn	fr	SST			po-py-am	5															0			
D	ML151	99.5	149.5	dk-gy	fr	SST				0															0			
D	ML151	149.5	152.6	dbn	fr	btZHF			px, cc, am-po	3															0			
D	ML151	152.6	164.8	lgy cm	fr	pxZHF			qz, cc, cl-po	4															0			
D	ML151	164.8	166.6	dbn	fr	btZHF			qz	2															0			
D	ML151	166.6	173.4	gy cm	fr	pxZHF			qz	2															0			
D	ML151	173.4	179.8	gn lt-pl g	fr	pxZHF	amZXS		qz cc py	5															0			
D	ML151	179.8	190.4	gn	fr	XFB	pxZHF		qz cc py	1															0			
D	ML151	190.4	197	gn bn	fr	pxZHF	btZHF		qz cc py	5															0			
D	ML151	197	200.2	gn cm bn g	fr	pxZHF			cc py am po	15															0			
D	ML151	200.2	207.7	bn gy	fr	btZHF			cc py qz px po cl	15															0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML151	207.7	218.2	pl pk gn c	fr	pxZHF	btZHF		am po cc py qz	10														0			
D	ML151	218.2	231.8	d gy bn	fr	SST	btZHF		bt po	10														0			
D	ML151	231.8	246	bn gy d g	fr	btZHF	SST		po am cl	6														0			
D	ML151	246	255.9	gy bn	fr	SST			cc cl	5														0			
D	ML152	0	9.3	dk-gy	fr	SST				0														0			
D	ML152	9.3	20.1	lt-gy-gn d	fr	SST	pxZHF		po-am, po	10														0			
D	ML152	20.1	33.6	gy lgn	fr	pxZHF	SST		am-po, qz	15														0			
D	ML152	33.6	39.6	bn gn	fr	btZHF	pxZHF		po, qz-tu	5														0			
D	ML152	39.6	48.4	dgy lgy bn	fr	ST	pxZHF		am-po, po	5														0			
D	ML152	48.4	52.1	dbn dgn	fr	btZHF			am-po	1														0			
D	ML152	52.1	86.2	dgy dbn	fr	SST			qz-am-cc-po	1														0			
D	ML152	86.2	87.2	dgn	fr	amZXS			po	1														0			
D	ML152	87.2	100.2	dgy dbn	fr	SST			qz-am-cc-po	1														0			
D	ML152	100.2	102.8	d gy wt lg	fr	pxZHF	SST		cc am cl qz po py fl cpy	10														0			
D	ML152	102.8	105.9	d gy	fr	SST			qz cl am py po cpy	5														0			
D	ML152	105.9	106.8	wt gn bn g	fr	pxZHF	btZHF		am qz po cc cl	5														0			
D	ML152	106.8	135.7	d gy	fr	SST			cc sb cl qz am po	10														0			
D	ML152	135.7	138.4	d gy l gy	fr	XFB	SST		qz cl cc	10														0			
D	ML152	138.4	144.1	d gy l gy	fr	SST			cc cl am	5														0			
D	ML152	144.1	152.1	gy	fr	SST			cl qz bt	5														0			
D	ML152	152.1	157.1	gy bn wt g	fr	SST			cc cl py am cpy po	15														0			
D	ML152	157.1	172.1	bn bl gy	fr	SST			cc cl py am po	2														0			
D	ML152	172.1	184.5	gy bn	fr	SST			cc cl	2														0			
D	ML152	184.5	188.7	gy gn lbl	fr	SST			sb cc	5														0			
D	ML152	188.7	192.9	d gy l gy	fr	SST			px py cl qz	2														0			
D	ML152	192.9	201.5	gy	fr	SS					5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML152	201.5	211.8	gy bn	fr	btZHF			am-ve-po qz-cc	0.1	5	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	2

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001	ML152	211.8	217	lgn cm gy	fr	pxZHF	gtccZMRB		po-am-ve gt	0.1	20	0	1	5	10	0	0	0	0	0	0	10	0	0	0	0	20
D	ML152	217	219.9	lbn lgn	fr	gtccZMRB	pxZHF				10	0	2	0	20	0	0	0	0	0	0	20	0	0	0	0	0
D	ML152	219.9	220.9	bk lgn	fr	voveZXS					10	0	5	0	2	0	0	0	0	0	0	10	0	3	0	5	
D	ML152	220.9	223.6	lgn gy	fr	gtccZMRB					0	0	1	0	30	0	0	0	0	0	0	10	0	0	0	1	10
D	ML152	223.6	230.2	bk dgn bz	fr	mtbtZXS			po-ve-sd-qz-cpy-mt	3	10	3	5	20	0	0	1	0	1	0	0	0	0	40	0	0.5	0
D	ML152	230.2	238	lgy lbn	fr	gtpxZXS			cc	1	2	0	2	0	20	0	0	0	0	0	0	10	0	0	0	0	30
D	ML152	238	246.9	cm lgn lbn	fr	gtccZMRB			cc	1	0	0	1	0	40	0	0	0	0	0	0	20	0	0	0	0	15
D	ML152	246.9	250	lbn lgy	fr	gtpxZXS	pxZHF		cc	1	5	0	1	5	10	0	0	0	0	0	0	20	0	0	0	0	40
D	ML152	250	250.4	gn bz	fr	ampoZXS			fl po-cpy-am	5	60	2	0	2	5	0	0.5	0	0	0	5	0	0	0	0	0	0
D	ML152	250.4	252.1	lgn lgy	fr	gtpxZXS			gt-cc ve-cc	2	2	0	0	1	20	0	0	0	0	0	0	30	0	0	0	0	20
D	ML152	252.1	253.6	lgy cm	fr	ccSS				2	0	0	2	0	70	0	0	0	0	0	0	0	0	0	0	0	10
D	ML152	253.6	255.3	gy cm	fr	pxZHF	gtpxZXS				10	0	5	10	0	0	0	0	0	0	0	20	0	0	0	0	30
D	ML152	255.3	257.1	bngn gy	fr	ambtZXS	pxZHF		am-po-cpy bt-cc-po qz-cc-	3	20	1	0	20	0	0.1	0.1	0	0	0	0	5	0	10	0	0	20
D	ML152	257.1	258.5	cm gy	fr	pxZHF	gtpxZXS		am-po	1	10	0	5	5	2	0	0	0	0	0	0	20	0	0	0	0	30
D	ML152	258.5	264.7	dgn cm	fr	ambtZXS	pxZHF	gtpxZXS	po-cpy-mt am-po 7ve-bt-po po-am px	2	20	0	2	20	0	0.1	0.1	0	0	0	0	5	0	10	0	0	15
D	ML152	264.7	268.4	cm lbn	fr	pxZHF				1	10	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	40
D	ML152	268.4	276	bn bz	fr	qzpoZHF	amZXS		po-qz-am	5	20	0	0	10	0	0.1	0	0	0	0	0	0	0	0	0	0	10
D	ML152	276	277.8	gn cm	fr	amZXS	pxZHF		am-po	1	50	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	30
D	ML152	277.8	286.8	bn cm gn	fr	btZHF			am-po	1	15	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	5
D	ML152	286.8	290.1	cm gn bn	fr	pxZHF			cc	2	20	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	40
D	ML152	290.1	294	bngy	fr	btZHF			am	1	5	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML152	294	308	gy	fr	SST			am	1	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML153	0	15.8	dk-gy	fr	SST				0														0			
D	ML153	15.8	19.2	dk-gn lt-g	fr	pxZHF			po-am, qz	10														0			
D	ML153	19.2	22.8	gy lgy cm	fr	pxZHF	SST	gtZXS	po, qz, cc	5														0			
D	ML153	22.8	29	gy	fr	SST			px, qz-cl	2														0			
D	ML153	29	31	gy	fr	SST			qz-cl-po-cpy	30														0			
D	ML153	31	65.3	gy	fr	SST			qz-cl-po-cpy	1														0			
D	ML153	65.3	70	dgy	fr	SST			cl, qz-cl-am-py	5														0			
D	ML153	70	115.5	Gy	fr	SST			Qz-am-cc-po; cl-sb	5																	
D	ML153	115.5	117.2	d gy gn	fr	XFB	SST		cl am qz	5														0			
D	ML153	117.2	140.5	d gy l gy	fr	SST			cl am qz po cpy	10														0			
D	ML153	140.5	159.6	d gy	fr	SST			cl cc-cl qz-cl am-cpy	5														0			
D	ML153	159.6	162.7	gy gn	fr	SST			px cl qz	5														0			
D	ML153	162.7	164.5	gy	fr	SST			cl cpy cc	3														0			
D	ML153	164.5	166.6	d bn lgn	fr	btZHF	pxZHF		cl cc	7														0			
D	ML153	166.6	182.6	gy	fr	SST			qz cl po cpy px sb	10														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML153	182.6	209.5	dgy	fr	SST			qz cl am px cpy po	10														0			
D	ML153	209.5	214.4	dk-bn dk-g	fr	btZHF			am-po-qz	5														0			
D	ML153	214.4	223.4	gy-gn bn	fr	voSS	btZHF	pxZHF	am-po-qz	5														0			
D	ML153	223.4	226.5	lt-gy lt-g	fr	pxZHF			am-po	10														0			
D	ML153	226.5	231.1	dk-gn gy-g	fr	mtZXS	ZHF	vsZXS	po-cc-cp	5														30			
D	ML153	231.1	235.8	gy bn	fr	camtZXS			cc-Fe-carb-po-lz	2														15			
D	ML153	235.8	238.6	gn-bn gy	fr	btZXS	camtZXS		cc-fl	2														25			
D	ML153	238.6	242.4	dk-gy	fr	mtZXS	camtZXS		cc	1														50			
D	ML153	242.4	247.8	lt-gy bn g	fr	pxZHF			am-po	3														0			
D	ML153	247.8	254.5	dk-gy dk-g	fr	mtZXS			cc-Fe-carb-po-cp	2														50			
D	ML153	254.5	267	bn dk-gn	fr	vsZXS	amZXS		cc	1														10			
D	ML153	267	270.5	lt-gy bn	fr	pxZHF			am-po	5														0			
D	ML153	270.5	273.2	bn dk-gn	fr	btZHF			po	5														0			
D	ML153	273.2	289.8	dk-gy	fr	SST			qz-am-po; am-po	5														0			
D	ML153	289.8	301.1	dk-gy	fr	SST			qz-cc	1														0			
D	ML154	0	38.2	og-bn	mw	RCLY				0														0			
D	ML154	38.2	43	dgy	fr	SST			qz-am	1														0			
D	ML154	43	48.8	og-bn	mw	RCLY				0														0			
D	ML154	48.8	50.7	lgn gy	fr	pxZHF			am-po	2														0			
D	ML154	50.7	77.7	dgy	fr	SST			qz-cl, am-po	1														0			
D	ML154	77.7	97.8	dgy lgy gn	fr	SST			cc sb am qz po cpy	2														0			
D	ML154	97.8	103.1	lgy d gy	fr	SST			cl cc qz py	5														0			
D	ML154	103.1	117.5	lgy gn	fr	XFB	SST		cl cc am qz py	20														0			
D	ML154	117.5	122.7	l gy bn gn	fr	pxZHF			cc cl am py	10														0			
D	ML154	122.7	124.2	l gy pl cm	fr	pxZHF	caSS		cc cl am po cpy apy	10														0			
D	ML154	124.2	125.3	d gn	fr	poZXS			po	5														0			
D	ML154	125.3	131.1	cm pk gn	fr	gtZXS	amZXS	vsZXS	cc	1														0			
D	ML154	131.1	134.5	wt pl gn	fr	pxZHF			am po cpy	2														0			
D	ML154	134.5	144.1	d gy bn pl	fr	btZHF	pxZHF		po am cpy	15														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001	ML154	144.1	152.1	dgy bn gn	fr	btZHF	pxZHF		cc am po	5															0		
D	ML154	152.1	168	gy bn gn	fr	SST			cc cl py po cpy	10															0		
D	ML154	168	177.1	gy l gy	fr	SST			cl cc px	3															0		
D	ML154	177.1	190.5	gy	fr	SST			px qz cl	2															0		
D	ML154	190.5	198.9	gy dbn	fr	SST			qz cl cpy po px	7															0		
D	ML154	198.9	201.4	l gn	fr	SST			cl	1															0		
D	ML154	201.4	203.4	l gn bn	fr	pxZHF			po	1															0		
D	ML154	203.4	205.1	gy	fr	SST			qz	1															0		
D	ML154	205.1	205.6	gy	fr	SST				0															0		
D	ML154	205.6	226.5	gy	fr	SST			cl po am po cpy qz tu	2															0		
D	ML154	226.5	271	gy	fr	SST	pxZHF		px bt am cl	1															0		
D	ML154	271	280	dk-bn dk-g	fr	SST			qz-po	1															0		
D	ML154	280	287.2	gy-gn bn p	fr	pxZHF			am-po; cc	10															0		
D	ML154	287.2	304.6	gy	fr	gtZXS	ccST		cc	1															0		
D	ML154	304.6	323.4	gy	fr	ccST			cc	1															0		
D	ML154	323.5	324.9	cm bn	fr	gtZXS				0															0		
D	ML154	324.9	349	gy	fr	gtZXS	ccST		cc; tu	1															0		
D	ML154	349	354.2	gy bn	fr	pxZHF	ccST		px; am-po	2															0		
D	ML154	354.2	361	bn dk-gy	fr	btZHF	pxZHF		am-po	2															0		
D	ML154	361	388	dk-gy	fr	SST			qz-am																0		
D	ML155	0	44.5	dgy og	ww	SST			cl		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML155	44.5	49.7	dgy	fr	SST			cl qz am py	0.5	0.5	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0.5
D	ML155	49.7	57	dgy	fr	SST			cl qz am py px	5	0.5	0	0	0	0	0	0	0	0.5	0	0	0	0	0	1	0	0.5
D	ML155	57	64.9	dgy gn	fr	SST			cl am qz po py cpy bt sd	5	4	0	0	0	0	0	0	0.1	0.5	0	0	0	0	0	0	0	0.5
D	ML155	64.9	67	dgy gn	fr	SST			qz am po cpy py cc	20	15	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0.5
D	ML155	67	103.8	dgy	fr	SST			cl am cc qz po py tu	5	5	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0.5
D	ML155	103.8	104.8	dgy	fr	SST			cl, cl-am-qty-qz	0.5	0	0	0	0	0	0	0	0.1	0.5	0	0	0	0	0	10	0	0
D	ML155	104.8	106.2	dgy bn cm	fr	SST			cl cpy cl-am-px	1	2	0	0	0	0	0	0	0.1	0.5	0	0	0	0	0	1	0	0
D	ML155	106.2	112.2	dgy	fr	SST			cl cl-am-qty-mt-qz rd qz-	5	2	0	0	0	0	0	0	0.5	0	0	0	0	0	0	5	0	0.5
D	ML155	112.2	175.3	dgy	fr	SST			cl am-qz-cl-qty-mt	2	5	0	0	0	0	0	0	0.5	0	0	0	0	0	0	2	0	0.5
D	ML155	175.3	188.2	dgy gn	fr	SST			am-qz-cl-qty-py-po cl cc	5	5	0	0	2	0	0	0	0.5	0	0	0	0	0	0	2	0	0
D	ML155	188.2	206.4	dgy bn gn	fr	SST			am-qz-cl-qty-py-po cl cc	2	5	0	0	5	0	0	0	0.5	0	0	0	0	0	0	5	0	0
D	ML155	206.4	215.4	dgy bn	fr	SST			px-cl cl-cc bt rd	2	1	0	0	10	0	0	0	0	0	0	0	0	0	0	5	0	0

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML155	215.4	235.3	dgy	fr	SST			cl-cc cc qz-am-cl- cpy rd	5	2	0	0	20	0	0	0.1	0	0	0	0	0	0	5	0	0	5
D	ML155	235.3	257.3	dgy	fr	SST			cl-qz-am-cpy-ep cl cc rd	1	1	0	0	5	0	0	0	0.5	0	0	0	0	0	5	0	0	1
D	ML155	257.3	260.3	dgy	fr	SST			cl-bt cc-cl py	5	0	0	0	5	0	0	0	0	0	0	0	0	0	5	0	0	1
D	ML155	260.3	278.5	dgy	fr	SST			qz-cl-am-cpy cl-cc py rd	2	1	0	0	5	0	0	0	1	0	0	0	0	0	5	0	0	1
D	ML155	278.5	298.5	dgy gn	fr	SST			qz-cl-am-cpy cl-cc	2	1	0	0	5	0	0	0	1	0	0	0	0	0	1	0	0	2
D	ML155	298.5	311	dgy	fr	SST			cl-cc cl am-cl-qz- bt-po-c	2	2	0	0	10	0	0	0	1	0	0	0	0	0	0	0	0	5
D	ML155	311	315.5	dbn	fr	btZHF			bt cl-am-qz cc	2	2	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	5
D	ML155	315.5	322.5	bn pk cm g	fr	btZHF	pxZHF		am qz-cl cl-am-po po cpy	10	10	0	1	30	0	0	0.1	0	0	0	0	0	0	0	0	0	20
D	ML155	322.5	325.9	gn bn cm p	fr	pxZHF	btZHF		am-cl-po-qz bt-qz	10	20	0	5	10	0	0	0	0	0	0	0	0	0	0	0	0	30
D	ML155	325.9	332.3	gn	fr	amZXS			cc po po-fl-qz	5	65	0.5	0	5	0	0	0	0	0	0	5	0	0	0	0	0	5
D	ML155	332.3	338.5	gn wt	fr	amZXS	XHB		cl cc qz-sd	5	50	0	0	10	0	0.5	0.5	5	0.5	0	2	0	0	0	0	0	5
D	ML155	338.5	343	gn	fr	amZXS			cc po fl cc-am-po	2	70	0.5	0	5	0	0	0	5	0	0	2	0	0	0	0	0	2
D	ML155	343	345	gn	fr	ampoZXS			po-cc am	2	50	1	0	5	0	0	0	2	0	0	5	0	0	0	0	0	2
D	ML155	345	350.5	gn cm bn	fr	amZXS	pxZHF		po-cpy cc am-po	2	50	0	1	10	0	0	0	0	0	0	2	1	0	0	0	0	10
D	ML155	350.5	353.7	gn wt	fr	ampoZXS			am-cc po	5	60	0	0	5	0	0	0	0	0	0	5	0	0	0	0	0	2
D	ML155	353.7	356.8	gn pl cm b	fr	amZXS	gtveZXS		gt-cc am-po cc	5	40	0.5	2	5	0	0	0	3	0	0	1	5	0	0	0	0	15
D	ML155	356.8	363.1	pl pk gn c	fr	pxZHF	gtveZXS		am po cc	2	10	0	0	2	0	0	1	0	0	0	0	5	0	0	0	0	30
D	ML155	363.1	380.7	gy cm gn p	fr	pxZHF	btZHF	SST	am-po cc px	5	10	0	1	20	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML155	380.7	381.1	pk gn	fr	gtZXS			qz am-po cc-gt cc	5	5	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	40
D	ML155	381.1	384.2	pk gy cm g	fr	pxZHF	btZHF	SCGR	am-po py qz	10	5	0	5	10	0	0	0	0	0	0	0	0	0	0	0	0	40
D	ML155	384.2	389.3	gy gn cm	fr	btZHF	pxZHF		po bt po am cc	5	5	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	10
D	ML155	389.3	399	d gy gn	fr	SST			am po cc cl	5	5	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	5
D	ML155	399	407	d gy	fr	XFB	SST		cc cl rd py	10	2	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0.5	2
D	ML156	0	13.7	og	mw	SST	RCLY			0														0			
D	ML156	13.7	21.5	dgy bn	ww	SST			clay	2														0			
D	ML156	21.5	32.6	og wt dgy	mw	SST	RCLY			2														0			
D	ML156	32.6	48.1	dgy	fr	SST			cc, cl, am-mt-py	3														0.1			
D	ML156	48.1	66	dk-gy	fr	SST			cl-cc-lm; px-gt-am	5														5			
D	ML156	66	70	dk-gy	fr	XFB	SST	FG		0														0			
D	ML156	70	101	dk-gy	fr	SST				0														0			
D	ML156	101	119	dk-gy	fr	SST			qz-cl	3														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML156	119	127.6	dk-gy bn g	fr	btZHF			qz-am-cc-po; qz-cl;	3														0			
D	ML156	127.6	145.55	bn gy gn	fr	btZHF			qz-am-cc-po; qz-tu-po	5													0				
D	ML156	145.55	146	wt	fr	FG				0													0				
D	ML156	146	157.3	bn gy gn	fr	btZHF			qz-am-cc-po; qz-tu-po; fd	5													0				
D	ML156	157.3	161	gn cm	fr	veZXS	amZXS	FG	qz-tu	10													0				
D	ML156	161	172.7	gy gn	fr	pxZHF	amZXS		qz-tu	5													0				
D	ML156	172.7	173.6	bn	fr	btZXG			qz-tu	5													0				
D	ML156	173.6	175.5	gn	fr	amZXS				0													1				
D	ML156	175.5	176.25	bn	fr	btZXG			qz-tu	5													0				
D	ML156	176.25	182.75	gy gn bn	fr	pxZHF	amZXS	btZXG	qz-tu	5													0				
D	ML156	182.75	184.5	gy gn	fr	FG			tu	5													0				
D	ML156	184.5	190	gy	fr	FG				0													0				
D	ML156	190	191.6	gy gn	fr	FG				0													0				
D	ML156	191.6	225	gy	fr	FG				0													0				
D	ML156	225	226	gn	fr	FG				0													0				
D	ML156	226	249.3	gy	fr	FG				0													0				
D	ML156	249.3	250.2	gn	fr	FG				0													0				
D	ML156	250.2	266.9	gy	fr	FG				0													0				
D	ML157	0	29.2	dk-gy	ww	SST			qz-am-cc	2													5				
D	ML157	29.2	35	bn	mw	RCLY				0													0				
D	ML157	35	46.3	dk-gy	fr	SST			qz-am-po	2													5				
D	ML157	46.3	65	dk-gy	fr	SST			qz-am-po	2													5				
D	ML157	65	71.5	dgy	fr	SST			cl, sb	1													0				
D	ML157	71.5	71.7	lgy	fr	XFBC				0													0				
D	ML157	71.7	73.1	dgy	fr	SST			cl, sb	1													0				
D	ML157	73.1	79.8	dgy	fr	SST			sb, cl-py	2													0				
D	ML157	79.8	93	dgy	fr	SST			cl, sb	0.1													0				
D	ML157	93	128.9	dgy	fr	SST			qz-cl-cpy	3													0				
D	ML157	128.9	145.5	dk-gy	fr	SST			qz-cc; cl-cc-sb	10													0				
D	ML157	145.5	150.6	dk-gy dk-b	fr	SST			qz-cl-py	10													0				
D	ML157	150.6	164.2	dk-bn dk-g	fr	btZHF			qz-cl; cl-cc; am-po	2													0				
D	ML157	164.2	165.4	bn dk-bn d	ww	XFB	btZHF		qz-cl; cl-cc; am-po	2													0				
D	ML157	165.4	172.9	dk-gy dk-b	fr	btZHF	pxZHF		am-po; cl-cc	2													0				
D	ML157	172.9	173	gn gy	ww	XFB	pxZHF			0													0				
D	ML157	173	173.8	gy	fr	ccST	pxZHF		cc; am-po	2													0				
D	ML157	173.8	175.4	yw-bn	mw	XFB				0													0				
D	ML157	175.4	193.9	gy	fr	ccST	pxZHF		cc	2													0				
D	ML157	193.9	194.7	og gn	fr	gtZXS			cc; cl	1													0				
D	ML157	194.7	202.2	gy	fr	ccST	pxZHF		cc	2													0				

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML157	202.2	211	gy	fr	ccST	XHB		cc-cl	20														0			
D	ML157	211	211.2	gn	fr	XFB				0														0			
D	ML157	211.2	217.4	gy	fr	ccST	XHB		cc-cl	20														0			
D	ML157	217.4	217.9	gn	fr	XFB				0														0			
D	ML157	217.9	219.1	gy	fr	ccST	XHB		cc-cl	20														0			
D	ML157	219.1	221	dk-gy	fr	ccST			cc-tu(?)	5														0			
D	ML157	221	221.7	gy	fr	ccST	XHB		cc-cl	20														0			
D	ML157	221.7	229.9	bn	fr	gtZXS			cc; gt	3														0			
D	ML157	229.9	232.35	gy-gn	fr	pxZHF			am-cc-po; gt	5														0			
D	ML157	232.35	234	bn	fr	gtZXS			cc	2														0			
D	ML157	234	234.7	gy-gn	fr	pxZHF			am-po	10														0			
D	ML157	234.7	238.1	bn	fr	gtZXS	poZXS		cc-tu-fl-po; cc	1														0			
D	ML157	238.1	243	gn bn	fr	btZHF			am-po	5														0			
D	ML157	243	243.9	bn	fr	gtZXS			cc-qz	2																	
D	ML157	243.9	244.9	bn gn	fr	amgtZXS			cc-qz	2														0			
D	ML157	244.9	246.9	dk-gy	fr	XFZ	SST		cl-cc; qz-am-cl	5														0			
D	ML157	246.9	258	dk-gy	fr	SST			qz-cl-cc	10														0			
D	ML157	258	262	dk-gy	fr	SST			qz-cl	5														0			
D	ML157	262	271.7	dk-gy bn	fr	btZHF			qz-am; am-po	1														0			
D	ML157	278.7	287.8	bn gy-gn	fr	btZHF			am-po	5														0			
D	ML157	287.8	289.9	gn-gy dk-g	fr	pxZHF			po; cc	5														0			
D	ML157	289.9	292.75	dl-gy	fr	camtZXS			ca-qz-po-cp-ap-sh; cc	15														20			
D	ML157	292.75	294.35	bn	fr	btZHF			cc-ca-po-cp-ap	10														5			
D	ML157	294.35	296.4	dk-gy bn	fr	mtZXS			cc-ca-po-cp-ap	10														50			
D	ML157	296.4	305.4	bn	fr	caZXS			cc-ca-po-cp-ap	10														5			
D	ML157	305.4	310.5	dk-gn bn	fr	amZXS	caZXS		po-cp-ap	10														1			
D	ML157	310.5	311	gn	fr	XFB				0														0			
D	ML157	311	311.6	dk-gn	fr	amZXS			po-cp-ap	10														0			
D	ML157	311.6	311.8	gn	fr	XFB				0														0			
D	ML157	311.8	317.8	dk-gn	fr	amZXS			po-cp-ap	10														0			
D	ML157	317.8	319.7	gy bn	fr	pxZHF	gtZXS		am-po	5														0			
D	ML157	319.7	319.8	bn	fr	XFB				0														0			
D	ML157	319.8	321.6	dk-gn	fr	amZXS			cc-qz-po-cp-ap	10														0			
D	ML157	321.6	327.2	gy dk-gn	fr	pxZHF	amZXS		am-po; po-cp-ap	10														0			
D	ML157	327.2	330.1	dk-gn	fr	amZXS			po-tu	10														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
H1001	ML157	330.1	331	lt-gn og-b	fr	pxZHF			am-po	5														0				
D	ML157	331	333.5	dk-gn lt-g	fr	amZXS	pxZHF		po-cp-ap; am-po	10														0				
D	ML157	333.5	336.7	bn	fr	pxZHF			am-qz-po	5														0				
D	ML157	336.7	341	bn	fr	pxZHF			am-po; cl	5														0				
D	ML157	341	347.5	dk-gy	fr	SST			qz-cl	2														0				
D	ML158	0	21.3	gy og	ww	SST			qz-cl	2	2	0	0	5			0	0				0	0	0	0	0	0	5
D	ML158	21.3	28	gy	fr	SST			qz-cl-px-po-py-cc-am	5	1	0	0	5			0	0				0	0	0	0	0	0.5	2
D	ML158	28	33.5	dgy gn	fr	SST	pxZHF		px-qz-po-am-cl-fl	5	0	0	0	5			0	0				0.5	0	0	3	0	0	5
D	ML158	33.5	35.2	cm gn	fr	pxZHF			am-po-cc	15	15	0	0	0			0	0				0	0	0	0	0	0	40
D	ML158	35.2	37.4	cm-gn	fr	vsZXS	pxZHF		cc-qz-px-am-po	10	2	0	0	0			0	0				0	0	0	0	0	0	30
D	ML158	37.4	39.8	gy cm-gn	fr	pxZHF	pxveZXS		po-am-cc-cl	10	2.5	0	0	5			0.5	0				0	0	0	0	0	0.5	20
D	ML158	39.8	43.3	bn-gn pl	fr	pxZHF	btZHF		am-po-cc	10	10	0	1	10			0	0				0	0	0	0	0	0.5	30
D	ML158	43.3	50.8	dgy	fr	SST			cc-cl-po-am	5	5	0	0	5			0	0				0	0	0	0	0	0	5
D	ML158	50.8	51.5	dgy	fr	XFB	SST		cc-cl	5	2	0	0	5			0	0				0	0	0	0	0	0	2
D	ML158	51.5	54.9	dgy	fr	ST			qz-cc-cl-am-po-py	2	2	0	0	5			0	0				0	0	0	0	0	0.5	2
D	ML158	54.9	57.1	dgy-bn gn	fr	amZHF	ST		am-po-cc-py-cpy-cl	15	30	0	0	20			0.5	0				0	0	0	1	0	0.5	20
D	ML158	57.1	63.9	dgy	fr	SST			cc-cl-am-py	2	2	0	0	0			0.5	0				0	0	0	2.5	0	0.5	1
D	ML158	63.9	73	dgy	fr	SST	XFB		cl-am-cc-rd-qz-py	2.5	1	0	0	0			0.5	0				0	0	0	2.5	0	0.5	0.5
D	ML158	73	75.7	dgy	fr	SST			cl-am-cc-qz	1	1	0	0	0			0.5	0				0	0	0	1.5	0	0.5	0.5
D	ML158	75.7	77.8	dgy bn	fr	SST	btZHF		am-cl-cc	3	10	0	0	15			0.5	0				0	0	0	2.5	0	0.5	5
D	ML158	77.8	100	dgy gy	fr	SST			cc-rd-am-cl-cpy-py	1	2	0	0	0.5			0.5	0				0	0	0	2.5	0	0.1	5
D	ML158	100	101.4	gy-bn gn	fr	SST			cc-cl-rd-am-px	3	10	0	0	10			0	0				0	0	0	5	0	0.1	10
D	ML158	101.4	104.6	dgy	fr	SST			cc-rd-cl-am	0.5	0.5	0	0	2.5			0	0				0	0	0	0.5	0	0.5	0.5
D	ML158	104.6	109.3	dgy	fr	SST	XFB		am-cl-cc-rd-qz	15	5	0	0	0.5			0.5	0				0	0	0	0.5	0	0.5	0.5
D	ML158	109.3	112.6	dgy	fr	SST			cl-am-cc-qz	0.5	0.5	0	0	0.5			0	0				0	0	0	0.5	0	0	0.5
D	ML158	112.6	119.8	dgy	fr	SST			qz-am-cl-cc-rd	5	1	0	0	0.5			0.5	0				0	0	0	0.5	0	0.5	0.5
D	ML158	119.8	132.9	dgy	fr	SST			cl-cc-am-py-cpy-qz	0.5	0.5	0	0	0			0.5	0				0	0	0	0.5	0	0.5	0.5
D	ML158	132.9	134.7	dgy	fr	XFB	SST		cl-cc-rd-am	2.5	0.5	0	0	0			0	0				0	0	0	2.5	0	0.5	0
D	ML158	134.7	137.1	dgy	fr	SST			cc-rd-cl	0.5	0	0	0	0			0	0				0	0	0	2.5	0	0	0
D	ML158	137.1	149.7	dgy	fr	SST			cl-cc-rd-qz-am-px-py	0.5	0.5	0	0	0.5			0	0				0	0	0	0.5	0	0.5	0.5
D	ML158	149.7	154.1	dgy	fr	SST			qz-am-py-cpy-px-po	5	2.5	0	0	1			0.5	0				0	0	0	0.5	0	0.5	2
D	ML158	154.1	157.3	dgy	fr	SST			cl-cc	2	0.5	0	0	0.5			0	0				0	0	0	0.5	0	0	0.5
D	ML158	157.3	160	dgy	fr	pxZHF			cc-cl-am-cpy-py	2.5	2.5	0	0	0.5			0.5	0				0	0	0	1	0	0.5	2
D	ML158	160	181.9	dgy	fr	SST			cl-cc-rd-qz-am-px-cpy	1	0.5	0	0	0.5			0.5	0				0	0	0	0.5	0	0.5	0.5
D	ML158	181.9	185.5	dgy	fr	SST			qz-am-cl-py-cpy	5	2.5	0	0	0			0.5	0				0	0	0	0.5	0	0.5	0.5
D	ML158	185.5	186.9	dgy	fr	SST			cl-cc	1	0.5	0	0	0			0	0				0	0	0	2.5	0	0	0.5
D	ML158	186.9	194	dgy	fr	SST	XFB		cl-cc-qz-am-py-cpy	5	2.5	0	0	1			0.5	0				0	0	0	0.5	0	0.5	2
D	ML158	194	196.5	dgy	fr	SST			cl-cc-qz-am-px-rd	2.5	2	0	0	0			0	0				0	0	0	0.5	0	0.5	0.5
D	ML158	196.5	198.5	dgy	fr	SST			cl-cpy-am-px	0.5	2	0	0	0			0.5	0				0	0	0	0.5	0	0.5	1
D	ML158	198.5	201	gy bn	fr	SST			cl-am-po-py-cpy-px-qz	1	10	0	0	10			0.5	0				0	0	0	0	0	0.5	10
D	ML158	201	204.3	dgy bn	fr	btZHF			cc-qz-cpy-py-po-cl	2.5	2.5	0	0	20			0.5	0				0	0	0	0	0	0.5	2.5
D	ML158	204.3	206.2	dgy bn gn	fr	XFB			cc-cl		0	0	0	0			0	0				0	0	0	0	0	0	0
D	ML158	206.2	213.9	gy cm	fr	ccSS	pxZHF		cc-cl-am-px-po-py-cpy	30	10	0	0	5			0.5	0				0	0	0	0	0	0.5	15
D	ML158	213.9	215.9	gn bn gy	fr	amZHF	ccSS		cc-am-px-py	30	25	0	0	20			0	0				0	0	0	0	0	0.5	15
D	ML158	215.9	221.9	gy cm-gn	fr	ccSS	pxZHF		cc-cl-px-am-po	20	2.5	0	0	1			0	0				0	0	0	0	0	0	10
D	ML158	221.9	225.1	cm-gn pk	fr	pxZHF	gtveZXS		cc-po-py-gt-ve	20	10	0	0	5			0.5	0				0	1	0	0	0	0.5	50
D	ML158	225.1	228.9	cm gn	fr	pxZHF			po-cc-am-px-cpy	15	20	0	0	2.5			0.5	0				0	0	0	0	0	0	40
D	ML158	228.9	238.2	bn gy	fr	btZHF			qz-am-po-px	2.5	10	0	0	40			0	0				0	0	0	0	0	1	30
D	ML158	238.2	240.1	cm gn bn	fr	pxZHF			qz-po-am	2.5	10	0	0	10			0	0				0	0	0	0	0	0.5	50

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
H1001	ML158	240.1	242	gy-bn gn	fr	pxZHF			qz-po-am	2.5	2.5		0	0	30			0	0			0	0	0	0	0	0	50
D	ML158	242	248.7	dgy bn	fr	SST			cl-am-cpy	0.5	5		0	0	10		0.5	0				0	0	0	0	0	0	5
D	ML158	248.7	251.1	dgy bn	fr	SST	XFB		cl-py-cc	2.5	2.5		0	0	2.5		0	0				0	0	0	0	0	0.5	2.5
D	ML158	251.1	260.7	dgy bn	fr	btZHF	SST		cc-cl-am-po-px	1	5		0	0	20		0	0				0	0	0	0	0	0	5
D	ML158	260.7	287.6	dgy	fr	SST	btZHF		cl-qz-cc-cpy-am-po-mt (gr	1	2.5		0	0	5		0.5	0				0	0	0	0.5	0	0.5	2.5
D	ML158	287.6	288.9	gy	fr	SST	XFB		cl-qz-am-cpy-py	10	0.5		0	0	0.5		0.5	0				0	0	0	0	0	0.5	2.5
D	ML158	288.9	299.2	dgy	fr	SST			cl-qz-am-cpy	5	2.5		0	0	5		0.5	0				0	0	0	0	0	0	1
D	ML158	299.2	301.1	dgy gn bn	fr	SST			cl-qz-am-cpy-px	5	2.5		0	0	5		0.5	0				0	0	0	0	0	0	1
D	ML158	301.1	319.7	dgy bn	fr	SST			cl-am-cpy-qz-py-bt	2.5	2		0	0	0.5		0.5	0				0	0	0	0.5	0	0.5	0.5
D	ML158	319.7	326.4	dgygn bn	fr	SST			cl-qz-am-cpy-py-bt-cc	15	2.5		0	0	10		1	0				0	0	0	0	0	0.5	1
D	ML158	326.4	330.7	cm gn bn	fr	pxZHF	XFB		cl-am-po-py-cc	10	10		0	0	20		0	0				0	0	0	0	0	0.5	60
D	ML158	330.7	335.3	bn	fr	btZHF	pxZHF		qz-cl-am-po	5	5		0	0	20		0	0				0	0	0	0	0	0.5	5
D	ML158	335.3	350.2	dgy gy	fr	SST			qz-cl-am-po-cpy-px	2	2.5		0	0	5		0.5	0				0	0	0	0	0	0	2.5
D	ML159	0	11.5	og-bn	mw	RCLY	SST			0															0			
D	ML159	11.5	39.2	bn gy	ww	SST				0															0			
D	ML159	39.2	40.8	gn bn	mw	RCLY				0															0			
D	ML159	40.8	41.7	rd-bn	mw	RCLY				0															0			
D	ML159	41.7	46.5	dk-gy	fr	SST			qz-cl	1															0			
D	ML159	46.5	52.1	og-bn cm	ww	FG			qz-tu	5															0			
D	ML159	52.1	64.3	gy	fr	FG			qz-tu	5															0			
D	ML159	64.3	75	gy	fr	FG				0															0			
D	ML159	75	78.3	gn gy bk	fr	FG				0															0			
D	ML159	78.3	98	gy	fr	FG				0															0			
D	ML159	98	117.2	gy	fr	FG				0															0			
D	ML159	117.2	117.9	gy	fr	FG				0															0			
D	ML159	117.9	127.1	gy	fr	FG				0															0			
D	ML159	127.1	127.6	bk wt	fr	ZQT				0															0			
D	ML159	127.6	127.9	og-bn	ww	XFB				0															0			
D	ML159	127.9	130	og-bn	ww	FG				0															0			
D	ML159	130	137.5	gy	fr	FG				0															0			
D	ML160	0	65	dk-gy	fr	SST			qz-cl	2															0			
D	ML160	65	68.2	dk-gy bn g	fr	btZHF			qz-cl	2															0			
D	ML160	68.2	68.25	gy	fr	FG				0															0			
D	ML160	68.25	69.75	dk-gy bn g	fr	btZHF			qz-cl	2															0			
D	ML160	69.75	69.9	rd	fr	FG			qz	1															0			
D	ML160	69.9	75.9	dk-gy	fr	SST			qz-cl	2															0			
D	ML160	75.9	76.1	gy	fr	FG				0															0			
D	ML160	76.1	84.1	dk-gy	fr	SST			qz-cl	2															0			
D	ML160	84.1	84.4	gy	fr	FG				0															0			
D	ML160	84.4	108	dk-gy	fr	SST			qz-cl	2															0			
D	ML160	108	119.6	bn gn dk-g	fr	btZHF			qz-am-po	2															0			
D	ML160	119.6	125.8	bn gy gn	fr	pxZHF	btZHF		qz-am-po	10															0			
D	ML160	125.8	129.8	dk-gn bk	fr	voZXS			vo-am-po-sh-cc	5															5			
D	ML160	129.8	133	gy gn	fr	pxZXS			vo-am-po-sh-cc	3															0			
D	ML160	133	135	dk-gn gy b	fr	voZXS			vo-am-po-sh-cc	5															5			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	ML160	135	137.3	pl-gy gn	fr	pxZHF			am-po	2														0				
D	ML160	137.3	157.8	dk-gn bk	fr	voZXS			vo-am-po-sh-cc; qz-cc-po	5														5				
D	ML160	157.8	160.15	dk-gn dk-g	fr	voZXS			cc-tu-po; vo	2														15				
D	ML160	160.15	162.35	gy dk-gy	fr	pxZHF	amZXS		qz-tu-po	2														5				
D	ML160	162.35	168.3	dk-gn gy	fr	amZXS	pxZHF		qz-tu-po; am-po	2														10				
D	ML160	168.3	173.7	bn gy	fr	pxZHF	XFB		qz-am-po; qz-tu-po; cc-cl	10														0				
D	ML160	173.7	174.2	gn	fr	XFB				0														0				
D	ML160	174.2	184	gy	fr	FG				0														0				
D	ML161	0	38.2	dgy cm og	ww	SST			cc qz py px am	5														0				
D	ML161	38.2	63.2	gy og cm	ww	SST				0														0				
D	ML162	0	49.9	dk-gy	ww	SST				0														0				
D	ML162	49.9	68.3	og-bn	vw	RCLY				0														0				
D	ML162	68.3	73	dk-gy	ww	SST				0														0				
D	ML162	73	78.4	dgy-bn gn	fr	SST			cl-cb-py bt am-py	5	3	0	0	5	0	0	0	2	0	0	0	0	0	0	0	0	0.5	0.5
D	ML162	78.4	79.6	bn gn-cm	fr	btZHF			cb-cl	1	5	0	0	30	0	0	0	1	0	0	0	0	0	0	0	0	0.5	2
D	ML162	79.6	81.9	gn bn	fr	amZHF	btZHF		cb cl am	1	70	0	0	10	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	10
D	ML162	81.9	87	bn gn	fr	btZHF			cb cl am	1	5	0	0	25	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0.5	5
D	ML162	87	93.1	cm-gn bn	fr	pxZHF	btZHF		cb px am cl qz-py px-py-c	2	20	0.1	0.5	20	0	0	0.5	0.5	0	0	0	0	0	0	0	0	1	50
D	ML162	93.1	95.6	bn-og dgy	ww	XFB	cbmtZXS		cb gt-py lm py	3	2	0	0	20	0	0	0	2	0	0	0	0.5	0.5	15	0	3	10	
D	ML162	95.6	97.4	dgy-dgn-cm	fr	cbmtZXS	btZXS	gtcbZXS	qx-py cb	3	0.5	0	0	30	0	0	0	0	0	0	0	0	0.5	0	30	0	1	2
D	ML162	97.4	99.9	dgy-bk yw	fr	cbmtZXS			cc sd py	3	0	0	0	15	0	0	0.5	0	0	0	0	0	0	40	0	3	0	
D	ML162	99.9	100.8	yw dgn wt	fr	cbZXS			cc	0.5	0	0	0	5	0	0	0	20	0	0	0	0	0	0	0	0	0	
D	ML162	100.8	101.8	gn bz	fr	gtveZXS	btZHF		cb	0.5	15	0	0	10	0	0	0.5	0	0	0	0	2	0	0	0	2	10	
D	ML162	101.8	104.7	bn-gn cm	fr	pxZHF	btZHF		cb-cl po am-po	10	10	0	0	40	0	0	0	0.5	0	0	0	0	0	0	0	0	40	
D	ML162	104.7	105.2	pk-gn wt	fr	gtcbZXS			cc	5	5	0	0	0	0	0	0	0.5	0	0	0	40	0	0	0	0	20	
D	ML162	105.2	106.1	dgn-yw	fr	btZXS			am-po	15	2	0.5	0	50	0	0	0.5	10	0	0	0	0	0	1	0	0	0	
D	ML162	106.1	109.9	dgn bz	fr	amZXS			cb po am	10	40	0.5	0	30	0	0	0.5	15	0	0	0	0.5	0	0.5	0	0	3	
D	ML162	109.9	113	dgn dgy	fr	ammtZXS			asp asp-cb-py-cpy-am gt p	10	50	3	0	5	0	0	0	0	0	0	0	1	0	30	0	0.5	5	
D	ML162	113	120.1	dgy-bk yw	fr	mtZXS			asp cb-qz-am-py-po-mt	5	2	4	0	25	0	0	1	5	0	0	0	0	0	60	0	2	0	
D	ML162	120.1	134.1	dgy dgn bn	fr	mtbtZXS	mtZXS	ambtZXS	po sd-po-qz-cc-am asp	20	20	1	0	25	0	0	0.5	5	0	0	0.5	0	0	25	0	0.5	1	
D	ML162	134.1	140.1	dgn bz	fr	amZXS	ambtZXS		po-mt cb-am po po-asp	10	50	0.5	0	25	0	0	0	0	0	0	0	0.5	0	2	0	0	5	
D	ML162	140.1	141.8	bn gn bz	fr	btZXS			po po-asp cb-po-asp	10	25	0.5	0	50	0	0	0.5	0	0	0	0	0	0	0	0	0	3	
D	ML162	141.8	143.9	gn	fr	amZXS			po-asp-cb	5	70	0.5	0	10	0	0	0	0	0	0	0	0	0	0	0	0	5	

Appendix G: Drill Hole Logs

H1000	Hole		From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001	ML162		143.9	146.6	dgn wt bz	fr	amZXS					50		0.5	0	15	0	0	10	0	0	0	0	0	1	0	3	0
D	ML162		146.6	148.1	dgn pk-gn	fr	amZXS	gtveZXS		cb-qz-am-po	2	40		0.5	0.5	15	0	0	0.5	0	0	0	0	3	0	0	0	20
D	ML162		148.1	149.8	gn bz	fr	amZXS			po-asp-am cb	15	70		1	0	5	0	0	0	0	0	0	0	0	1	0	0	10
D	ML162		149.8	151.3	gn-pl-cm	fr	pxZHF	gtveZXS		po-am px cb	10	10		0	1	10	0	0	0	0	0	0	1	0	0	0	0	30
D	ML162		151.3	155	dgn bn-gn	fr	amZXS	gtveZXS	pxZHF	po-asp cb px	5	40		0.5	1	15	0	0	0	0	0	0	0	1	0	0	0	20
D	ML162		155	159.5	bn cm-pgn	fr	btZHF	pxZHF		po-m-qz po	5	5		0	0.5	20	0	0	0	0	0	0	0.5	0	0	0	0	10
D	ML162		159.5	161.5	pk-am-gn w	fr	gtcbZXS			cc px gt-ve	1	5		0	0.5	0	0	0	0	0	0	0	30	0	0	0	0	10
D	ML162		161.5	168.2	cm-gn-pl p	fr	pxZHF			cb po py-cl	2	15		0	5	1	0	0	0.5	0	0	0	0	1	0	0	0.5	40
D	ML162		168.2	170.6	bn	fr	qzZHF			cb-po	0.5	1		0	0	15	0	0	0	0	0	0	0	0	0	0	0	2
D	ML162		170.6	176.8	dgy-gn	fr	SST			cb po-qz-py	0.5	3		0	0.5	5	0	0	0	0	0	0	0	0	0	0	0.5	5
D	ML163		0	22.6	dgy	fr	SST	ST		qz, ze?, po, cl	2.5	0.5		0	0	0			0			0	0	0	0	0	0	0
D	ML163		22.6	25.2	dgy	fr	SST	pxZHF		qz	2	0		0	0	0			0			0	0	0	0	0	0	2.5
D	ML163		25.2	26.7	cm gy	fr	pxZHF	amZHF		cl, am, po	2	10		0	0.5	5			0			0	0	0	0	0	1	30
D	ML163		26.7	27.6	bn	fr	btZHF			qz, lm	1	2		0	0	30			0			0	0	0	0	0	0	2.5
D	ML163		27.6	28.9	bn-og	na	XFB	XFG			0	0		0	0	0			0			0	0	0	0	0	0	0
D	ML163		28.9	29.7	dgy	fr	SST				0	0		0	0	0			0			0	0	0	0	0	0.5	0
D	ML163		29.7	30.1	dgy	na	XFB				0	0		0	0	0			0			0	0	0	0	0	0	0
D	ML163		30.1	35.5	dgy	fr	SST			qz	0.5	0		0	0	0			0			0	0	0	0	0	0	1
D	ML163		35.5	35.6	og-bn	na	XFG				0	0		0	0	0			0			0	0	0	0	0	0	0
D	ML163		35.6	37.2	dgy	fr	SST			ze?	1	0		0	0	0			0			0	0	0	0	0	0	0
D	ML163		37.2	38.9	dgy	fr	SS				0	0		0	0	0			0			0	0	0	0	0	0	0
D	ML163		38.9	56	dgy	fr	SST			ze?, qz, cl, po	1	0.5		0	0	0			0			0	0	0	0	0	0	0
D	ML163		56	60.6	dgy	fr	SST			qz, cl, cpy	0.5	0		0	0	0		0.5				0	0	0	0	0	0	0.5
D	ML163		60.6	70	dgy	fr	SST	btZHF	pxZHF	qz, cl	0.5	5		0	0	10		0				0	0	0	0	0	0.5	5
D	ML163		70	72	dgy	fr	SST	btZHF			0	2		0	0	10		0				0	0	0	0	0	0.5	2
D	ML163		72	88	dgy	fr	SST	btZHF	pxZHF	qz, cl, cc	0.5	5		0	0	10		0				0	0	0	0	0	0.5	5
D	ML163		88	95.9	bn gy	fr	btZHF	pxZHF	SST	qz, cc, po, cpy, am, cl, v	0.5	0.5		0	0	25		0.5				0	0	0	0	0	0.5	10
D	ML163		95.9	103.1	bn cm	fr	btZHF	pxZHF	ST	qz, cl, am, cc	3	10		0.5	0	40		0				0	0	0	0	0	0	10
D	ML163		103.1	106.1	cm gn pk	fr	pxZHF	amZHF		cc, am, po, cpy, cl, py,	10	25		0	2.5	10		0.5				0	0	0	2	0	0.5	30
D	ML163		106.1	107.5	gn bn bz	fr	ampoZXS			qz, cc	1	30		0	0	5		2.5				0.5	0	0	1	0	2.5	5
D	ML163		107.5	110.8	bk bn	fr	mlZXS	amZXS		cc, py, cpy	1	20		0	0	5		1				0	0	0	30	0	0.5	1
D	ML163		110.8	114.7	gn	fr	amZXS			cc, am, po, cpy, asp	0.5	40		0.5	0	0.5		0.5				0	0	0	2.5	0	0	10
D	ML163		114.7	116.1	gn bz	fr	ampoZXS			cc	0.5	30		0	0	0		0.5				0	0	0	2	0	0.5	2
D	ML163		116.1	117.5	gn bn	fr	ammZXS			cc, am, po	0.5	30		0.5	0	0		0.5				0	0	0	30	0	0	0.5
D	ML163		117.5	119.4	gn bk	fr	amZXS			cc, cpy	0.5	40		0.5	0	0		0.5				0	0	0	10	0	0	0
D	ML163		119.4	121.5	bk gn	fr	voZXS	amZXS			0	30		0.5	0	0		0.5				0	0	0	5	0	0.5	1
D	ML163		121.5	122.1	bk gn	fr	mlZXS	amZXS		cc, po, cpy	0.5	40		0.5	0	0		0.5				0	0	0	40	0	0	1
D	ML163		122.1	124.1	gn	fr	amZXS			cc, po, cpy	0.5	50		0	0	0		0.5				0	0	0	2	0	0	5
D	ML163		124.1	126.4	gn bz	fr	ampoZXS			cc, po, cpy	0.5	40		1	0	0		0.5				0	0	0	0.5	0	0	0.5
D	ML163		126.4	128.2	gn bz	fr	amZXS			cc, cpy, po	0.5	40		0.5	0	0		1				0	0	0	0.5	0	0.5	5
D	ML163		128.2	130	cm gn bz	fr	pxZHF	ampoZXS		cc, cpy,py	1	30		0	0.5	1		0.5				0	0	0	2.5	0	0.5	30
D	ML163		130	138.7	cm pk	fr	pxZHF			po, cpy, cc, am, cl	5	10		0	2.5	20		1				0	0	0	2.5	0	0.5	50
D	ML163		138.7	141.9	bn	fr	btZHF	SST		cc, py, cpy, am?, cl	5	2		0	0	50		0.5				0	0	0	0	0	1	5
D	ML163		141.9	142	na	na	XFG				0	0		0	0	0		0				0	0	0	0	0	0	0
D	ML163		142	151.8	bn gy	fr	SST	btZHF	pxZHF	cc, cl, rd?	10	5		0	0	20		0.5				0	0	0	0	0	0.5	10
D	ML164		0	22.2	dgy	ww	SGVL				0	0		0	0	0		0				0	0	0	0	0	0	0
D	ML164		22.2	59.7	dgy	ww	SST			cl?	0.5	0		0	0	0		0				0	0	0	0	0	0	0
D	ML164		59.7	69.7	dgy	fr	ST	SST		cl	0.5	0		0	0	0		0				0	0	0	0	0	0.5	0
D	ML164		69.7	73.4	dgy	fr	ST	SST			0	0		0	0	0		0				0	0	0	0	0	0	0
D	ML164		73.4	80.7	dgy	fr	SST				0	0.5		0	0	2.5		0				0	0	0	0	0	0	0.5
D	ML164		80.7	96.4	dgy	fr	SST			cc, rd?, cl	0.5	0.5		0	0	2.5		0				0	0	0	0	0	0	0.5
D	ML164		96.4	98.7	dgy	fr	SST			cc, am	0.5	2.5		0	0	5		0				0	0	0	0	0	0	0.5
D	ML164		98.7	110.5	dgy	fr	SST	ST		cc, am, cpy	0.5	0.5		0	0	2.5		0.5				0	0	0	0	0	0.5	0.5
D	ML164		110.5	114.8	dgy	fr	SST			cc, am, cpy	0.5	0.5		0	0	0		0.5				0	0	0	0	0	0	0.5
D	ML164		114.8	118.9	dgy	fr	SST				0.5	1		0	0	2.5		0.5				0	0	0	0	0	0	0.5
D	ML164		118.9	123	dgy	fr	SST				0	0.5		0	0	2.5		0				0	0	0	0	0	0	0.5
D	ML164		123	130.8	dgy	fr	SST			cc, am	1	2.5		0	0	2.5		0				0	0	0	0	0	0	1
D	ML164		130.8	133.5	dgy	fr	SST			cc, am, rd, cl	0.5	1		0	0	5		0				0	0	0	0	0	0	1
D	ML164		133.5	134.5	dgy	fr	SST			cc, cl, rd, qz	0.5	2.5		0	0	5		0.5				0	0	0	0	0	0	1
D	ML164		134.5	135.8	dgy	fr	SST	btZHF		c, cl	0.5	2.5		0	0	10		0.5				0	0	0	0	0	0	1
D	ML164		135.8	142.9	bn	fr	btZHF	SST		cc, rd	0.5	10		0	0	30		0.5				0	0	0	0	0	0	1
D	ML164		142.9	146.2	bn	fr	btZHF	SST		cc	0.5	10		0	0	40		0				0	0	0	0	0	0.5	1
D	ML164		146.2	156	cm	fr	pxZHF				0	20		0	0	10		0				0	0	0	0	0	0	40
D	ML164		156	159.4	bn	fr	btZHF	pxZHF	SST	cc, cl, py	0.5	10		0	0	30		0				0	0	0	0	0	0.5	10
D	ML164		159.4	163.4	cm gn	fr	pxZHF			cc	0.5	10		0	0	2.5		0.5				0	0	0	0	0	0.5	40
D	ML164		163.4	168	gy yw	vw	XFB	XFG			0	0		0	0	0		0				0	0	0	0	0	0	0
D	ML164		168	175.8	na	na	N																					

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	ML164	177.6	182	gy	fr	ccSS	pxZHF		cc, cl	15	2	0	0	5			0					0	0	0	0	0	0	10
D	ML164	182	188.4	dgy	fr	ccSS	pxZHF		cc, py	10	5	0	0	5			0					0	0	0	0	0	0	10
D	ML164	188.4	193.8	gy	fr	ccSS	pxZHF		cc, po	5	2	0	0	2.5			0					0	2	0	0	0	0	15
D	ML164	193.8	196.4	pk bn gy	fr	gtveZXS	btZHF	pxZHF	cc, po, py	5	2	0	0	5			0.5					0	10	0	0	0	1	10
D	ML164	196.4	200.6	gy	fr	ccSS	pxZHF		cc, py, po	10	2	0	0	2.5			0					0	0.5	0	0	0	1	10
D	ML164	200.6	212.5	pk gy	fr	gtveZXS	ccSS	pxZHF	cc, cl, am, py, po	10	1	0	0	5			0.5					0	0.5	0	0	0	1	15
D	ML164	212.5	214.8	gy	fr	pxZHF			cc, am, py, po	2	10	0	0	2			0					0	1	0	0	0	0.5	30
D	ML164	214.8	219.1	pk cm	fr	gtveZXS	pxZHF		cc, py, gt, po	2	2	0	0	2			0					0	15	0	0	0	2	20
D	ML164	219.1	220.8	bn gn	fr	btZHF	pxZHF		cc, cl, am, po	2.5	5	0	0	20			0.5					0	0	0	0	0	1	15
D	ML164	220.8	222.8	dgy	fr	SST			cc, py, cl	1	0.5	0	0	5			0					0	0	0	0	0	1	0.5
D	ML164	222.8	224.9	bn	fr	btZHF	pxZHF		cc, cl, am, po	5	0.5	0	0	20			0.5					0	0	0	0	0	0.5	15
D	ML164	224.9	240.9	dgy	fr	SST			qz, am, po, cpy, cl, px	5	2	0	0	5			0.5					0	0	0	0	0	0.5	0.5
D	ML164	240.9	244.4	dgy	fr	XFB	SST		cl, am	15	2.5	0	0	0.5			0.5					0	0	0	0	0	0.5	2
D	ML164	244.4	252.3	pk gy	fr	gtveZXS	veZXS	ccST	cc, gt, po, ve, py	20	5	0	0	2			0.5					0	0.5	0	0	0	0	10
D	ML164	252.3	261.2	gy pk	fr	ccSS	gtveZXS		cc, ve, po	5	1	0	0	2			0.5					0	2.5	0	0	0	1	20
D	ML164	261.2	265.1	pk, gn	fr	gtveZXS			cc, ve, am, po, cpy, py	20	1	0	0	0			2.5					0	2.5	0	0	0	1	20
D	ML164	265.1	267.7	pk gy	fr	gtveZXS	ccSS	pxZHF	cc, po, cpy, py	5	1	0	0	0.5			0.5					0	1	0	0	0	0.5	20
D	ML164	267.7	275	bn	fr	btZHF	pxZHF	ST	am, po, cpy, cl	2.5	10	0	0	25			1					0	0	0	0	0	0.5	25
D	ML164	275	276	pk cm	fr	gtveZXS			cpy, cc	1	1	0	0	0			0.5					0	1	0	0	0	0	10
D	ML164	276	282.8	cm gy	fr	pxZHF	gtveZXS		qz, cl, po	5	2.5	0	0.5	5			0.5					0	1	0	0	0	0.5	30
D	ML164	282.8	286.7	dgy bn	fr	btZHF	SST		cc, po, py, cpy	5	0.5	0	0	20			0.5					0	0	0	0	0	2.5	2.5
D	ML164	286.7	287.9	bn	fr	XFB	btZHF		cc, qz, cl, py	15	2	0	0	30			0.5					0	0	0	0	0	0.5	5
D	ML164	287.9	290.5	dgy	fr	SST			cl, py, am	2	1	0	0	5			0					0	0	0	0	0	0.5	0.5
D	ML164	290.5	292.2	gn bn	fr	pxZHF	btZHF		cl, am, po	5	10	0	0.5	20			0					0	0	0	0	0	0	30
D	ML164	292.2	310.6	dgy	fr	SST			cl, qz, am po, py, ab, he	2	2	0	0	2.5			0					0	0	0	0	0	0.5	2.5
D	ML165	0	12			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	12	14.5	gy-bn og	mw	SST					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	14.5	19	gy-rd-bn	mw	SST					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	19	21	gy-bn og	mw	SST					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	21	23	cm-gy-og	mw	SST					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	23	30.5	gy-bn-og	mw	SST					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	30.5	35.7	cm-og cm-p	mw	SST	pxZHF				0	0	0.5	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	1
D	ML165	35.7	38.8	yw-gy	vw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	38.8	40	cm-og cm-p	mw	SST			cl-cy	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	40	45	yw-gy	mw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	45	50.4	cm-og-gy-b	mw	SST			cl-cy	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	50.4	55.5	cm-og-bn	mw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	55.5	65.7	cm-og	mw	RCLY			cl-cy	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	65.7	67.7	cm-og	mw	RCLY			cl-cy	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	67.7	69	og-cm bk	mw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	69	74	og-cm	mw	RCLY			cl-cy	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	74	113	cm-og bn g	mw	RCLY	pxZHF	btZHF	cl-cy	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	113	120.8	og cm	lam	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	120.8	126	yw-bn og-b	mw	RCLY			cl		0	0	0	0	0	0	0	0	3	0	0	0	0	5	0	0	0	0
D	ML165	126	128.5	og-yw-bn g	mw	RCLY			cl		0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0
D	ML165	128.5	134.4	gy og bn	gy	RCLY			cl ax-po-py sr-po-py	1	0	0	0.5	0	0	0	0	1	0	0	0	0	0	0	0	0.5	0	
D	ML165	134.4	136			NREC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML165	136	141	og bn	mw	RCLY					0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0
D	ML165	141	151.7	gy cm-pk-g	ww	gtveZXS	SST				5	0	0	0	0	0	0	5	0	0	0	10	0	0	0	0	0	30
D	ML165	151.7	153.5	og-yw-bn	vw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
D	ML165	153.5	158.3	og-cm-yw-b	mw	RCLY					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %		
D	ML165	158.3	162.4	bn cm-gy	mw	pxZHF	btZHF			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
D	ML165	162.4	164.9	og yw bn	mw	RCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
D	ML165	164.9	166.5			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
D	ML165	166.5	181.5	bn-og cm-g	mw	RCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
D	ML165	181.5	185.5	cm-gy bn-o	mw	ZXS	SST			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
D	ML165	185.5	188.1			NREC				0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
D	ML165	188.1	192.9	og-bn-cm	mw	ZXS				0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
D	ML165	192.9	194.7	gy-cm gn-g	fr	ccSS	pxZHF		cc cl	2	0	2	0	2	10	0	0	0	0	0	0	0	1	0	0	0	3	5	
D	ML165	194.7	197.2	gy-gn-bn c	fr	ccSS	gtcbZXS	pxZHF	cc po cc-px-po-cb	3	2	0	0	1	10	0	0	0	0	0	0	0	2	0	0	0	0	5	
D	ML165	197.2	199.4	wt pk-gn	fr	gtveZXS	ccSS	pxZHF	cc	5	0	0	0	0	20	0	0	0	0	0	0	0	5	0.5	0	0	5	10	
D	ML165	199.4	205.7	wt pk gn	fr	gtcbZXS			py cc cl	15	0	0	0	0	0	0	0.5	0.5	0	0	0	0	15	0	0	0	2	5	
D	ML165	205.7	207.8	gn gy pk	fr	veZXS			cc-po-py cb-ve-py cl	3	5	0	0	0	0	0	0.5	0.5	0	0	0.5	1	0	3	0	5	3		
D	ML165	207.8	211	cm-bn-gn p	fr	gtcbZXS	pxZHF		cc py py-po-ve	5	3	0	0	0	0	0	0.5	0.5	0	0	0	0	10	0	0	0	1	20	
D	ML165	211	211.9	gy cm-pk-g	fr	ccSS	pxZHF		cc px	10	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	2	20	
D	ML165	211.9	216.6	pk-gn gy-w	fr	gtcbZXS	pxZHF		cc-cb-gt-ve py-po-cb	3	0.5	0	0	0	0	0	0	0	0	0	0	20	0	0	0	3	20		
D	ML165	216.6	221.3	bn-cm-gn-g	fr	qzZHF	pxZHF	btZHF	cc	3	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0.5	30	
D	ML165	221.3	222.8	pk-cm-gy-g	fr	gtcbZXS	pxZHF		cc cc-ve-py-cb	2	0	0	0	0	0	0	0.5	0	0	0	0	0	30	0	0	0	0.5	20	
D	ML165	222.8	226.4	bn-gy-cm-g	fr	btZHF	qzZHF	pxZHF	py py-sr-cc	5	0	0	0	40	2	0	0	0	0	0	0	0	0	0	0	0	0.5	20	
D	ML165	226.4	231.9	cm-gn-bn	fr	pxZHF	btZHF		cc-py sr	2	2	0	0	15	0.5	0	0	0	0	0	0	0	0	0	0	0	2	60	
D	ML165	231.9	236.6	bn	fr	btZHF			sr	0.5	0.5	0	0	50	1	0	0	0	0	0	0	0	0	0	0	0	1	0.5	
D	ML165	236.6	239.9	bn	ww	btZHF			cl-po-py	3	0.5	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0.5	2	
D	ML165	239.9	244.5	cm-gn bn	ww	pxZHF					5	0	0	5	0	0	0	2	0	0	0	0	0	0	0	0	0.5	30	
D	ML165	244.5	249.7	dgy-bn	ww	XFB	SST			0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	1	5	
D	ML165	249.7	253.1	gy	fr	pxZHF	XFB		cl py cl-py	2	20	0	0	0	0	0	0	1	0	0	0	0	0	0.5	0	0	1	30	
D	ML165	253.1	255.2	dgn-gy	ww	XFB	SST			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	ML165	255.2	256.7	dgy	ww	XFB	XFC			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	ML165	256.7	262.8	gy	fr	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	
D	ML166	0	3			NREC																							
D	ML166	3	14.9	dgy og	ww	ST			lm-ze am-py py	3	1			1											2	0.5	0.5		
D	ML166	14.9	24.9	dgy	fr	SST			cl-sr lm	1								0.5							10				
D	ML166	24.9	31.7	dgy	fr	SST			qz-py cl	0.5								0.5							10		0.5		
D	ML166	31.7	36.5	dgy	fr	SST	XFB		cb-cl qz-py	5								0.5							10		0.5		
D	ML166	36.5	52.7	dgy	fr	SST	btZHF		qz-am-py-mt-po	1	1			15				0.5							12		0.5		
D	ML166	52.7	56.1	pbn	fr	btZHF			qz-po-py-ze	2				20													1		
D	ML166	56.1	58.2	dgy	fr	SST			qz-px-am-po-mt ze	8	0.5			2											5	0.5	0.5		
D	ML166	58.2	61.7	dgy	fr	SST			qz-po-py-bt	1	0.5			2											3	0.5	0.5		
D	ML166	61.7	67	dgy	fr	SST			qz-am-py cl-cc	5	2			2	0.5													0.5	
D	ML166	67	69.3	bn	fr	btZHF			py-ze am-qz-py	1	0.5			20													0.5		
D	ML166	69.3	77	dgy-bn	fr	SST			cc-cl am-px-py	1	2			5	0.5			0.5									0.5	1	
D	ML166	77	81.1	dgy-bn gn	fr	SST			cl-cb-py-rd am-po-bt px	3	5			10				0.5								1	2		
D	ML166	81.1	113.3	dgy-bn	fr	SST			qz-am-po-py-cpy cl-cb-py±	1	5			10			0.5	0.5							1	1	2		
D	ML166	113.3	121	bn	fr	btZHF			qz-am-po-py py py-po	1	5			50													1	2	
D	ML166	121	128.6	bn gn-wt	fr	btZHF			cb qz am am-py-po-qz cb-p	5	5			40													1	2	
D	ML166	128.6	133.4	bn gn	fr	btZHF			am am-qz cb am-po-py-qz	30	20			40													1	3	
D	ML166	133.4	140.9	bn		btZHF			am-po-py qz cb	1	5			40													0.5	1	

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	ML166	140.9	157.1	dgy-bn	fr	SST			cb-cl am-qz-py bt-qz-py	2	0.5			15				0.5						5		1	
D	ML166	157.1	160	dgy-bn-gy	fr	SST			am-py-px-mt cb-cl-rd	5	2			20				0.5						5		1	5
D	ML166	160	166	bn	fr	btZHF			cb-cl-rd-py qz-py-am-bt	1	0.5			30				0.5						5		1	1
D	ML166	166	182.3	dgy	fr	SST			cb-cl-rd am-py-mt	0.5	0.5			5				0.5						3		0.5	0.5
D	ML166	182.3	197.3	bn	fr	btZHF			am-qz-py-po qz-bt-cb-py-c	2	3			40												1	0.5
D	ML166	197.3	199.5	bn gn bl-g	fr	btZHF			am-px-qz-py-po cb-cl	30	20			30				0.5								0.5	5
D	ML166	199.5	203	bn	fr	btZHF			am-qz-py-po-px qz-bt-qz	2	1			50				0.5								0.5	0.5
D	ML166	203	212.1	bn bl-gy	fr	btZHF			cb-da-cpy-py-po-cl-ga-sh	30				40			0.5	2	0.5			0.5				2	5
D	ML166	212.1	220.2	cm-gy-gn	fr	pxZHF	btZHF	gtcbZXS	cb-cl-py qz po	20	5			15				0.5				2				2	60
D	ML166	220.2	222.1	wt pk	fr	gtcbZXS	pxZHF		cb	1					45			0.5				30					15
D	ML166	222.1	224.6	pgn pk gy	fr	gtcbZXS	ccSS		py cl cb gt	20	10				5		0.5	1				20	0.5	0.5		3	25
D	ML166	224.6	227.9	cm-gn-pl	fr	pxZHF			py po py-cpy-cl	20	10		1	5			0.5	2								4	70
D	ML166	227.9	234.3	dgy-cm-bn	fr	ST			cl py cb po	10	2			10	1			1								4	15
D	ML166	234.3	239.8	dgy-bn	fr	btZHF	XFB		cl-py py	20	2			30				5								3	5
D	ML166	239.8	245.6	dgy-pgn	fr	XFB	SST							3				10									10
D	ML166	245.6	248.5	pk-yw-gn	fr	gtveZXS	gtcbZXS		cc-am-cpy-po-he-cb	30	2				10		0.5					25	0.5	0.5		0.5	5
D	ML166	248.5	250.3	cm-gy-pl-g	fr	pxZHF			cb px cb-gt	7	10		1	5				0.5				4				0.5	50
D	ML166	250.3	252.9	gn-bn	fr	amZHF	btZHF		am-px-po-qz cl-py-qz-bt q	3	20			20				0.5								0.5	5
D	ML166	252.9	259.6	bn bl-gy	fr	btZHF			cb qz-px-po-cpy-qz-bt-cl-	5	15			40			0.5	0.5								0.5	5
D	ML166	259.6	263.5	bn	fr	btZHF			am-qz-cpy qz-bt cl	1	5			30				0.5								0.5	
D	ML166	263.5	272	bn-gy	fr	SST			cl cb-rd am-qz-cpy	1	0.5			20			0.5	0.5									
D	ML166	272	285	dgy-gn-bn	fr	SST			cl-cb qz-bt-am-px-bt-sr q	3	10			10			0.5	0.5						5			2
D	ML166	285	304	dgy-bn	fr	SST			cl-cb qz-am-bt-py-cpy-mt	5	1			5				1						5		0.5	0.5
D	ML166	304	307.8	gy-gn	fr	SST			qz-am-mt-cpy-py-cl-cb	2	15			1			0.5	0.5								0.5	
D	ML166	307.8	341.3	dgy-gy bn	fr	SST	btZHF		qz-am-po-py-cpy-bt±cb±sr	5	10			15			0.5	0.5								0.5	0.5
D	ML166	341.3	347.9	bn gy	fr	qzZHF			qz qz-am qz-bt py-sr qz-c	10	1			15				0.5								0.5	0.5
D	ML166	347.9	349.2	cm-gy-pl-g	fr	pzZHF			qz-bt-py po	3	1		1	1												0.5	40
D	ML166	349.2	351.5	wt pk bn c	fr	gtZXS					0.5		0.5														
D	ML166	351.5	353.2	lbn cm-gn	fr	btZHF	pxZHF		po	2	0.5			30												0.5	5
D	ML166	353.2	358.2	cm-gn-pl p	fr	pxZHF			am-po-px gt-cb	1	3		0.5	5								0.5					50
D	ML166	358.2	375	bn	fr	btZHF			sr cb-cl-bt px-am-po cl-p	1	0.5			50				0.5								1	0.5
D	ML166	375	379.2	dgy	fr	SST			qz-py-po am-po qz-am	1	2			20				0.5								0.5	0.5
D	ML167	0	6.4	dgy og	ww	SST			lm-ze	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML167	6.4	12.6	dgy	fr	SST			qz-am-bt-cpy cl-lm	1	1	0	0	0.5	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0
D	ML167	12.6	21.3	dgy	fr	SST			cl-py qz-bt qz-am-py-cpy	1	1	0	0	2	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	0
D	ML167	21.3	57.5	dgy-bn gn	fr	SST			am-py-pospx cl-ze-bt rd	3	3	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0.45	0.5

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001	ML167	57.5	61.4	bn gn-cm	fr	btZHF			am-qz-cpy-po-px qz-po	1	5	0	0	25	0	0	0.5	0	0	0	0	0	0	0	0	0	3
D	ML167	61.4	81.9	dgy	fr	SST			am-qz-po-py cl-py	1	0.5	0	0	5	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0.5
D	ML167	81.9	85.3	dgy-gy	fr	SST			cl-cb-py qz	3	0.5	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0.5	0.5
D	ML167	85.3	88.7	gn-cm bn	fr	btZHF	pxZHF		cl-cb sr am-po-qz	10	10	0	0	30	0	0	0	0.5	0	0	0	0	0	0	0	0.5	10
D	ML167	88.7	102.3	bn gy-gn	fr	btZHF			am-po-px-qz cb-cl- py sr	5	3	0	0	30	0	0	0	0.5	0	0	0	0	0	0	0	0.5	1
D	ML167	102.3	115.9	gy	fr	SST			bt-po-qz am-qz-po- px cb-c	5	2	0	0	10	0	0	0	0.5	0	0	0	0	0	0	0	0.5	1
D	ML167	115.9	117.2	dgy-bn gy	fr	SST			am-qz-px-po sr cb- po-cpy	3	2	0	0	10	0	0	0.5	0	0	0	0	0	0	0	0	0.5	1
D	ML167	117.2	123.6	bn bl-gy	fr	SST			am-py-po-qz qz-bt- py po-c	3	2	0	0	20	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	2
D	ML167	123.6	128.1	gy-bn-gn	fr	ZHF			am-qz-po-px cb-cl qz-bt	15	1	0	0	15	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0.5
D	ML167	128.1	145.5	bn gy-gn	fr	btZHF			qz cb-cl-py-bt	1	3	0	0	25	0	0	0	0.5	0	0	0	0	0	0	0	1	1
D	ML167	145.5	152	bn cm-gy	fr	btZHF	pxZHF		am-qz-py po	1	10	0	0.5	50	0	0	0	0	0	0	0	0	0	0	0	1	20
D	ML167	152	161.2	bn gy	fr	btZHF			am-qz-px-po qz-bt cb	5	2	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0.5	2
D	ML167	161.2	165.2	cm-gn bn	fr	pxZHF	btZHF		am-qz-py-po cl px	5	7	0	0.5	30	0	0	0	1	0	0	0	0	0	0	0	0.5	30
D	ML167	165.2	168.2	pgn-pk gn	fr	gtveZXS			cb am vo py am- cb	5	30	0.5	0	0	0	0	0.5	0	0	0	0	5	0	10	0	4	0
D	ML167	168.2	170	bz	fr	poZXS			am-px vo po-cpy	10	1	0.5	0	1	0	0	5	0	0	0	0	0	0	3	0	0	1
D	ML167	170	171	dgy	fr	mtZXS					0.5	0	0	5	0	0	1	1	0	0	0	0	0	80	0	0	0.5
D	ML167	171	171.7	dgy-gy	fr	cbvoZXS			sd-qz-cb-bt-po am- px-po-c	5	0.5	0	0	3	1	0	0.5	0	0	0	0	0	0	15	0	0	0.5
D	ML167	171.7	172.4	dgy-gy	fr	cbvoZXS			am-px-po-cb sd-bt- qz-po-c	15	5	0.5	0	3	2	0	0.5	0	0	0	0	0.5	0	0	0	0	0.5
D	ML167	172.4	175	bz dbn	fr	poZXS			am-bt cb	5	10	0.5	0	10	0	1	0.5	0	0	0	0	0	0	10	0	0	0
D	ML167	175	176.8	bz dbn cm-	fr	btpoZXS	pxZHF		am-bt po-cpy cb	15	15	1	0.5	30	0	0.5	0.5	0	0	0	0	1	0	10	0	0.5	15
D	ML167	176.8	177.4	pk gn cm	fr	gtcbZXS			am-cb-po-cpy-gt	5	10	0	0	0	0	0	0.5	0	0	0	0	40	0	0	0	0	10
D	ML167	177.4	179.4	dgn wt	fr	amZXS			cb po py	1	60	2	0	1	0	0	0.5	0	0	0	0	2	0	3	0	0.5	5
D	ML167	179.4	180.9	dgn pk-cm	fr	pxZHF	gtZXS	amZXS	cb po py vo-mt	5	20	0	0	10	0	0	0	0	0	0	0	13	0	3	0	1	25
D	ML167	180.9	181.9	dbn cm-pk-	fr	btmtZXS	gtveZXS		cb-qz-po-cpy	5	10	0	0	50	0	0	0.5	0	0	0	0	10	0	2	0	0	5
D	ML167	181.9	182.4	dgy bz	fr	mtpoZXS			cb cb-sd-po-cpy	5	1	0	0	5	0	0	0.5	0	0	0	0	0	0	70	0	0	0
D	ML167	182.4	185.7	gd bz wt	fr	pyZXS	poZXS		cb qz-po-sd-cb- cpy	20	1	0	0	5	0	0	1	5	0	0	1	0	0	0	0	40	10
D	ML167	185.7	187.2	wt pk gn	fr	gtZXS			pz-am-bt-gt-ax-ve	10	2	0	0.5	1	40	0	0.5	0	0	0	0	30	0	0	0	0	5
D	ML167	187.2	190.3	bn-gy wt p	fr	qzZHF	gtZXS		cc-cl-py-qz-po-cb	15	1	0	0	5	30	0	0.5	3	0	0	0	20	0	0	0	3	3
D	ML167	190.3	192.6	pk wt dgy-	fr	gtZXS			cc-am-po cpy po cc-gt-ve-	25	1	0	0	2	30	0	0.5	0	0	0	0	40	0	0	0	0	10
D	ML167	192.6	197.2	pk wt gy g	fr	gtZXS	pxZHF	ccSS	cc-cb-po-cpy	5	2	0	1	0	15	0	1	0	0	0	0	40	0	0	0	0.5	15
D	ML167	197.2	205	cm-pl bn	fr	pxZHF	qzZHF		am-po-px qz py-cb	3	5	0	1	15	0	0	0	0	0	0	0	0.5	0	0	0	0.5	30
D	ML167	205	209.1	wt gy bn	fr	FG	qzZHF		cb-py po po-bt-cpy	1	1	0	0	5	0	0	0.5	0	0	0	0	0	0	0	0	0.5	0.5
D	ML167	209.1	213.1	bn cm-pl-g	fr	btZHF			po cb-cl-py po-cb- sr-ph	1	1	0	0.5	25	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	2

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML167	213.1	215.5	bn cm-gn-p	fr	qzZHF	pxZHF		cl-py-cb sr-py	0.5	3	0	0.5	10	0	0	0	0.5	0	0	0	0	0	0	0	0.5	15
D	ML167	215.5	234.9	bn-gy	fr	btZHF			cl-cb qz-po-cpy bt	1	1	0	0	20	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0.5
D	ML167	234.9	248.1	gy-bn	fr	SST			qz-am-bt-px-cpy-po qz cl-	5	2	0	0	5	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0.5
D	ML167	248.1	248.4	dgn gy	fr	XFB			qz cl		0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
D	ML168	0	9.2	gy og	ww	SST			ze am-py cl	0.5	0.5							0.5								0.5	
D	ML168	9.2	22.3	gy-dgy	fr	SST			qz-mi-cpy-po cl sr-py	1	0.5			3			0.5	0.5								0.5	
D	ML168	22.3	25.8	gy-bn	fr	SST			cl-py qz-am	0.5	1			3			0.5									0.5	0.5
D	ML168	25.8	29	gy	fr	SST			cl py	0.5	0.5			0.5			0.5									0.5	
D	ML168	29	55.2	dgy-bn cm-	fr	SST			cl py-cl am-px am-qz cl-q	1	3			10			0.5	0.5								0.5	1
D	ML168	55.2	60.5	gy	fr	SST			qz-am-cl-cpy qz-bt	1	1			0.5			0.5	0.5									
D	ML168	60.5	90.8	gy-bn	fr	SST	btZHF		cl am-po-py-cpy-qz-px-cb	1	2			15			0.5	0.5								0.5	1
D	ML168	90.8	104.5	bn-gy	fr	btZHF			qz-am-cpy am-px-po qz-bt	5	1			20			0.5	0.5									0.5
D	ML168	104.5	106	bn wt	fr	btZHF			cb	30				40													
D	ML168	106	115.2	bn-gy	fr	btZHF			qz qz-bt qz-py-am	1	1			40				0.5								0.5	0.5
D	ML168	115.2	125	bn-gy-gn	fr	bZHF	XFB		cl-cb am qz-bt-po qz-am-p	10	3			40			0.5										1
D	ML168	125	129.8	bn gn-cm	fr	btZHF	amZHF		cl-cb am-po px	3	30			30				0.5									15
D	ML168	129.8	133.2	dbn	fr	btZHF			ze	0.5				20													
D	ML168	133.2	134.4	cm-bn	fr	qzZHF			cl-cb qz-bt-sr	20				20				0.5									2
D	ML168	134.4	142.8	dbn cm-pk-	fr	btZHF			ph-qz cl-cb-py qz-bt-py-c	2	1			30			0.5					0.5				0.5	5
D	ML168	142.8	147.2	cm-pk-pl-g	fr	pxZHF			cl-cc-py-cpy cb po am-px	5	5		0.5	15	0.5		0.5	0.5				0.5				0.5	30
D	ML168	147.2	148.3	pk wt	fr	gtZXS			cb-cc	5	0.5				2			0.5				60					15
D	ML168	148.3	150.6	bn-gn dgy	fr	btZXS	mtZXS	gtZXS	cl-cb-mt cc bt cb-qz	5				40	1	0.5	0.5	0.5				1		15		0.5	3
D	ML168	150.6	158.5	gn pk-gn	fr	amZXS	gtZXS		cc-cl qz-cb-da po-asp-cpy	5	70	2		10	0.5		0.5		0.5			4		1		0.5	5
D	ML168	158.5	164	pk-cm-gy g	fr	pxZHF	amZXS	gtZXS	cb-am po-cpy-asp	3	15	0.5	0.5	5			0.5	0.5				1		1		0.5	40
D	ML168	164	165.4	gn bz	fr	ampoZXS			cb-po-am po cl	1	50	1		1			1	0.5				3		1			10
D	ML168	165.4	168.4	cm-gy -pl	fr	pxZHF			cb-am-bt-po-cpy po cl	1	2		1	2			0.5	0.5				0.5					40
D	ML168	168.4	171.6	bn	fr	qzZHF			am-qz-po po cl	5	1			15				0.5									30
D	ML168	171.6	172.4	pk gn	fr	gtZXS			cb-qz-gt-am-po	5	5											80					8
D	ML168	172.4	174	cm-gy-pl g	fr	pxZHF	poZXS		cb am-po-cb po	8	3		1	2				0.5				1		0.5			40
D	ML168	174	180.5	gy-bn	fr	qzZHF			am-po-px po qz	5	0.5		0.5	10				0.5									3
D	ML168	180.5	185.7	bn gn-gy	fr	btZHF			cb-fl-am-po qz-bt-am-po c	3	5			40			0.5	0.5			0.5						0.5
D	ML168	185.7	189.2	dgy-dbn	fr	btZHF			cl-cb	0.5	0.5			25				0.5								0.5	
D	ML169	0	16	dgy og	ww	SST			qz-am-py	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0.5	0
D	ML169	16	19.3	gy	fr	SST			qz-bt-po	0.5	2	0	0	1	0	0	0	0	0	0	0	0	0	7	0	0.5	0
D	ML169	19.3	23.6	dbn	fr	ST			qz-py-bt-po cl	0.5	2	0	0	15	0	0	0	0.5	0	0	0	0	0	3	0	0.5	0
D	ML169	23.6	31	dgy-bn	fr	ST			cl cc py	0.5	1	0	0	10	0.5	0	0	0.5	0	0	0	0	0	5	0	3	0
D	ML169	31	35.5	dgy-bn	fr	ST			sr-cb-py qz-mt-cpy	0.5	2	0	0	5	0	0	0.5	0	0	0	0	0	0	10	0	2	0.5
D	ML169	35.5	38.2	dgy	fr	ST			cl-cpy	0.5	0.5	0	0	0	0	0	0.5	0.5	0	0	0	0	0	10	0	0	0
D	ML169	38.2	76	dgy	fr	ST			cl-cc-py-rd mt-po-cpy qz-	0.5	0.5	0	0	0	0.5	0	0.5	0	0	0	0	0	0	10	0	0.5	0
D	ML169	76	79.5	dgy	fr	ST			cl-cc-py qz-cl cc-rd cc p	5	1	0	0	0	3	0	0.5	1	0	0	0	0	0	5	0	0.5	0

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	ML169	79.5	90.6	dgy	fr	ST			cl cl-cb qz-po	0.5	1	0	0	3	0	0	0	0.5	0	0	0	0	0	10	0	1	0	
D	ML169	90.6	97.4	dgy	fr	SST			cl-cb sr-cc-py qz-am-py p	1	2	0	0	1	0.5	0	0.5	0.5	0	0	0	0	0.5	10	0	0.5	0.5	
D	ML169	97.4	105.8	dgy	fr	ST			cb-he-px-qz qz-am-py-he q	5	0.5	0	0	0	0.5	0	0	0	0	0	0	0	0.5	10	0	0.5	1	
D	ML169	105.8	110	dgy	fr	SST			cl-cb	0.5	1	0	0	5	0	0	0	0.5	0	0	0	0	0	10	0	0	1	
D	ML169	110	118.4	dgy-dbn	fr	SST	btZHF		qz-am-py cc-py-px cl-cc	5	2	0	0	20	0.5	0	0	0.5	0	0	0	0	0	5	0	0.5	0.5	
D	ML169	118.4	127.5	gy-bn	fr	SST			qz-ph-am-cb-bt sr rd-cb z	5	0.5	0	0	15	0	0	0.5	0	0	0	0	0	0	0	0	1	0	
D	ML169	127.5	154.8	dgy-bn	fr	SST			qz-am-po-cpy qz-py-ph-mt	1	0.5	0	0	15	0	0	0.5	0.5	0	0	0	0	0	10	0	0	0	
D	ML169	154.8	157.3	dbn-gy-gn	fr	btZHF			qz am-mt	0.5	1	0	0	30	0	0	0	0	0	0	0	0	0	5	0	0	0.5	
D	ML169	157.3	160.2	bn cm-gn-g	fr	btZHF			sr am	1	3	0	0	20	0	0	0	0	0	0	0	0	0	10	0	0	2	
D	ML169	160.2	165.9	dbn	fr	btZHF			rd am-mt	0.5	1	0	0	25	0	0	0	0	0	0	0	0	0	7	0	0.5	0.5	
D	ML169	165.9	192	bn cm-gn-g	fr	btZHF			cl cb-py py	1	3	0	0	50	0	0	0	0.5	0	0	0	0	0	0.5	0	0.5	2	
D	ML169	192	199.8	dbn-gn-gy	fr	btZHF			cb-am cc-py sr-cc	0.5	5	0	0	25	0.5	0	0.5	0.5	0	0	0	0	0	10	0	0.5	0	
D	ML169	199.8	215.3	bn	fr	btZHF			cb am-qz-py-cpy	0.5	0.5	0	0	50	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	0	
D	ML169	215.3	223	bn	fr	btZHF			qz am-po	5	0.5	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0.5	0	
D	ML169	223	225.3	bn-gy	ww	SST	XFB		qz	1	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	ML169	225.3	230.9	cm-gy-gn	fr	XFC				20	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0.5	30	
D	ML169	230.9	249.2	dgy	fr	XFB	SST		cl po py-cpy		1	0	0	0	0	0	0.5	1	0	0	0	0	0	0	0	0.5	0	
D	ML169	249.2	251.2	gy-pk-gn	fr	XFC					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	ML169	251.2	253.2	dgy	fr	ST			cl-se-py	0.5	2	0	0	5	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0	
D	ML169	253.2	261.5	dbn-bn-gy	fr	btZHF			cb-cl po-am	7	1	0	0	30	0	0	0	0.5	0	0	0	0	0	0	0	0	5	
D	ML169	261.5	267.3	bn gn-cm	fr	btZHF			cb po	1	10	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	5	
D	ML169	267.3	271.1	dgy cm-gn	fr	ST	pxZHF		px-am-po po	1	1	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	20	
D	ML169	271.1	274.3	bn dgy-gn	fr	btZHF	ST		qz	0.5	3	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	ML169	274.3	285.7	gy bn	fr	ST	btZHF		qz am-po	2	2	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	5	
D	ML169	285.7	286.6	cm-gn bz	fr	veZXS	poZXS		cl	0.5	5	0.5	0	0	0	0	0.5	5	0	0	0	0	0	0	0	0.5	0	
D	ML169	286.6	288.6	gy-bn cm-p	fr	ST	gtZXS		ve am-po	1	0.5	0	0	10	0	0	0	0	0	0	0	2	0	0	0	0	1	
D	ML169	288.6	291.4	bz pl-wt-g	fr	veZXS	pxZHF		px cc-am-ve-ax-fl	5	1	0.5	1	0	15	0	0.5	0	0	0	1	10	0.5	0	0	0.5	10	
D	ML169	291.4	293.6	dgn bz	fr	ampoZXS	ZHF		qz po qz-cc fl-am-po-asp-	5	50	0.5	0.5	2	1	0	0.5	0.5	0	0	0.5	1	0	0	0	0	10	
D	ML169	293.6	295	bn-cm-gn	fr	pxZHF	ST		po-asp-fl-qz-ve-am-cb	5	15	0.5	0	10	0.5	0	0.5	0	0	0	1	1	0	0	0	0	30	
D	ML169	295	301.15	bn-gn	fr	ST	ZHF	veZXS	cb-qz-po-fl am-po qz-bt-a	7	10	0.5	0	10	0	0	0	0	0	0	0.5	0	0	0	0	0	10	
D	ML169	301.2	302.6	dbn bz	fr	btZXS			cl-cb po-qz-fl-asp	2	10	0	0	50	0	0	0	1	0.5	0	5	0	0	5	0	1	0	
D	ML169	302.6	303	dbn-dgn	fr	amvoZXS			po	0.5	50	0.5	0	20	0	0	0	0	0.5	0	0	0	0	10	0	0.5	0	
D	ML169	303	308.4	gy-bn-gn w	fr	ST	FG		qz-am-po-asp-fl-cpy qz-fl	2	5	0.5	0	10	0	0	0.5	0.5	0	0	0.5	0	0	0	0	0.5	0.5	
D	ML169	308.4	312.2	gy-gn-bn	fr	veZXS	ammtZXS	FG	qz-am-po-asp-fl-px-ve-gt	10	15	0.5	0	10	0	0	0	0	0	0	0	0.5	0.5	0	2	0	0.5	10
D	ML169	312.2	314.7	gy-bn	fr	ST	veZXS		qz-fl-am-bt-po cc	1	0.5	0	0	10	0.5	0	0	0	0	0	0	0	0	0	0	0	5	
D	ML169	314.7	327	gy-pk gn-b	fr	gtZXS	btZXS	amZXS	cc-am-po qz-bt-	3	20	0	0	20	0	0	0	0	0	0	0	0.5	30	0	1	0	0.5	5
D	ML169	327	333.5	pk-gn	fr	gtZXS	amZXS		am-cc-po-qz-cpy-asp py	1	15	0.5	0	0	1	0	0.5	0	0	0	0	0	40	0	1	0	0.5	15

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
H1001																												
D	ML169	333.5	341.7	pk-gn dgy	fr	gtZXS	ammtZXS	FG	cb-qz-py-cpy-ve-am-tu cc	1	25	0	0	2	1	0	0.5	0	0	0	0	0	40	0	15	0	0.5	10
D	ML169	341.7	358.4	cm-gy-bn-g	fr	FG			tu-qz cb-qz-py-tu	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	
D	ML170	0	6.2	gy og	ww	SST			qz-am	0.5	0.5	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0.5	0	
D	ML170	6.2	25.6	dgy	fr	SST			qz-am-cpy-py qz-bt sr-po	0.5	1	0	0	3	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	0.5	
D	ML170	25.6	31.4	dgy wt gn	fr	SST			qz-bt qz-cpy-po qz-py am-	10	5	0	0	3	0	0	0.5	0	0	0	0	0	0	0	0	0.5	0.5	
D	ML170	31.4	42.4	dgy	fr	SST			qz-bt am-cpy am-po qz-am-	1	1	0	0	0.5	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0	
D	ML170	42.4	50.1	dgy	fr	SST			cl qz qz-am-po-cpy qz-bt	2	1	0	0	5	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0.5	
D	ML170	50.1	72.5	dgy	fr	SST			cl-py qz-am-cpy-pz	1	1	0	0	3	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	0.5	
D	ML170	72.5	75.1	bn cm-gn-p	fr	pxZHF			cc-cl-sr am-po-qz cl-py	1	10	0	0.5	30	0.5	0	0	0.5	0	0	0	0	0	0	0	0	40	
D	ML170	75.1	77.3	bn cm-gn	fr	btZHF			qz-py	0.5	5	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0.5	5	
D	ML170	77.5	78.8	bn-gy	fr	btZHF			cl	0.5	1	0	0	25	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	0.5
D	ML170	78.8	83.3	gy-bn	fr	SST			cl-py	1	2	0	0	5	0	0	0	1	0	0	0	0	0	0	0	0.5	0.5	
D	ML170	83.3	93	gy-bn	fr	SST			cl-ze	0.5	1	0	0	5	0	0	0	0.5	0	0	0	0	0	0	0	0	0	
D	ML170	93	96.4	bn-gy-gn	fr	btZHF			qz-bt cl-po cl-py-cpy	1	3	0	0	20	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	0	
D	ML170	96.4	100.4	gy-bn	fr	SST			am-po-py-cpy am-qz-po qz	1	1	0	0	10	0	0	0.5	0	0	0	0	0	0	0	0	0.5	0.5	
D	ML170	100.4	109.3	bn-gy-gn	fr	ZHF			cl-cb cl-py am-po-qz	0.5	5	0	0	15	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0.5	
D	ML170	109.3	111.6	bn	fr	btZHF			qz-bt cl	0.5	5	0	0	30	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	
D	ML170	111.6	120.5	gy-bn	fr	SST			am-po-qz-cpy cl cl-pyqz-b	5	2	0	0	10	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	0	
D	ML170	120.5	127.5	bn-gy	fr	btZHF			am-po qz-po cl	2	2	0	0	20	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	
D	ML170	127.5	131.4	gy	fr	SST			qz	0.5	0.5	0	0	3	0	0	0.5	0.5	0	0	0	0	0	2	0	0	0	
D	ML170	131.4	136.9	bn-gy-gn	fr	SST			am-cpy-po-px	1	1	0	0	15	0	0	0.5	0.5	0	0	0	0	0	2	0	0	1	
D	ML170	136.9	138.9	gy bk	fr	SST			qz cl-cpy	0.5	1	0	0	5	0	0	0.5	0.5	0	0	0	0	0	5	0	0	0	
D	ML170	138.9	142.7	bn gn-gy	fr	btZHF			am-cpy-px qz	3	5	0	0	30	0	0	0.5	0.5	0	0	0	0	0	5	0	0	3	
D	ML170	142.7	149.7	gy-bn bk	fr	SST			am-qz-cpy sr cl	3	3	0	0	3	0	0	0.5	0.5	0	0	0	0	0	5	0	0	1	
D	ML170	149.7	164.2	gy-bn	fr	btZHF			qz am-px	0.5	0.5	0	0	20	0	0	0.5	0.5	0	0	0	0	0	5	0	0	0.5	
D	ML170	164.2	181.9	gy-bn	fr	SST			qz-cl-py	0.5	0.5	0	0	5	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0	
D	ML170	181.9	186.5	bn gy	fr	btZHF			cl-py	0.5	1	0	0	20	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0	
D	ML170	186.5	191.9	bn gn-wt	fr	btZHF			am-po-cpy am-px-qz-po	10	5	0	0	40	0	0	0.5	0.5	0	0	0	0	0	0	0	0	3	
D	ML170	191.9	196.7	bn	fr	btZHF			cl-se-cb-py qz-am-po cl-p	1	0.5	0	0	50	0	0	0	0.5	0	0	0	0	0	0	0	1	0	
D	ML170	196.7	200.7	cm-bn-gn	fr	ZHF			se-cpy am-po	2	5	0	0	15	0	0	0.5	0.5	0	0	0	0	0	0	0	0	20	
D	ML170	200.7	203.4	bn-gy	fr	btZHF	qzZHF		po am-px-po	1	0.5	0	0	30	0	0	0	0	0	0	0	0	0	0	0	1	3	
D	ML170	203.4	205.5	pk-gn wt	fr	gtZXS			cc	5	5	0	0	0	5	0	0	0	0	0	0	0	40	0	0.5	0	5	
D	ML170	205.5	213.6	pk wt	fr	gtZXS			cc gt-cb	2	1	0	0	0	30	0	0.5	0	0	0	0	0	50	0	0	0	5	
D	ML170	213.6	219.6	dgy-bn	fr	qzZHF	gtZXS		po py qz	2	0	0	0	10	0	0	0.5	0	0	0	0	0	1	0	0	1	2	
D	ML170	219.6	221.1	pk-yw-gn	fr	gtZXS			cb-ve-am-po	5	1	0	0	0	15	0	0.5	0	0	0	0	0	10	0	0	0.5	0	
D	ML170	221.1	222.5	gy pk-yw w	fr	ccSS	gtZXS		cc cb	5	0	0	0	0	30	0	0	0	0	0	0	0	10	0	0	0	0	
D	ML170	222.5	229.7	pk-gn	fr	gtZXS			cc cc-ve cb-po-cpy	5	1	0	0	0	15	0	0.5	0.5	0	0	0	0	40	0	0.5	0	2	
D	ML170	229.7	234.9	pk gy gn	fr	gtZXS			cc cc-ve vo-mt cl-cb po	10	3	0	0	0	30	0	0.5	0.5	0	0	0	0	40	0	0.5	0	3	
D	ML170	234.9	240	pk-gn-yw	fr	gtZXS			am-cb-vo-mt-po-py cc cl	10	5	0	0	0	25	0	0.5	0.5	0	0	0	0	30	0	1	0	5	
D	ML170	240	242.7	wt-pk-yw c	fr	gtZXS	ZHF		cc po	5	5	0	0	0	20	0	0	0	0	0	0	0	15	0	0	0	20	

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
H1001	ML170	242.7	248.6	gn-pk-cm	fr	gtZXS			cb-gt cc-am-cpy-po-ve cc po mt	10	7	0	0	0	10	0	1	0.5	0	0	0	0	30	0	0	0	1	3
D	ML170	248.6	251.4	dbn-gn	fr	btZXS	gtZXS			5	2	0	0	55	5	0	0.5	0	0	0	0	0	0.5	0	25	0	0.5	1
D	ML170	251.4	254.3	dbn-gn	fr	btZXS	cbmtZXS		cc po	2	2	0	0	50	5	1	0.5	0	0	0	0	0	0	25	0	0	0	
D	ML170	254.3	256.6	dbn-dgn dg	fr	btZXS			cc po mt	5	5	0	0	50	5	0.5	0.5	0	0	0	0	0	0	30	0	0.5	1	
D	ML170	256.6	259.1	dbn dgy	fr	mtZXS			cc po mt po-cb-sh	5	5	1	0	40	1	0	0.5	0	0	0	0	0	0	40	0	0.5	2	
D	ML170	259.1	263.5	dgn-bn dgy	fr	btZXS			cc po cb-po-asp-qz	5	15	0.5	0	40	2	1	0	0	0	0	0	0	0	30	0	0	3	
D	ML170	263.5	264.6	dbn bz	fr	btZXS			cc-cl po qz-cb	10	1	0	0	60	3	1	0	5	0	0	0	0	0	15	0	0	0	
D	ML170	264.6	268.3	dbn	fr	btZXS			cc-asp-po-cpy-cl-da-fl po	5	3	1	0	60	3	0	0.5	5	0.5	0	1	0	0	10	0	0	0.5	
D	ML170	268.3	274	cm-pk-gn	fr	pxZHF	gtZXS		am-po po cb	3	10	0	0	3	1	0	0.5	0	0	0	0	0	10	0	1	0	60	
D	ML170	274	277.5	pk-gn	fr	gtZXS			cb py cb-am-po-cpy	3	10	0	0	1	0	0	0.5	0	0	0	0	0	50	0	0.5	0	15	
D	ML170	277.5	279.1	cm-pk-gn	ww	XFC			cl py cb	10	0.5	0	0	0	0	0	0	5	0	0	0	0	5	0	0	3	70	
D	ML170	279.1	281.5	gy-dgn	ww	XFB					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	ML171	0	4.2	dgy og	ww	SST			qz-am cb-cl	2	0.5	0	0	0	0	0	0	0	0.5	0	0	0	0	2	0	0	0	
D	ML171	4.2	13	dgy-bn cm-	ww	SST	XFB				0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	
D	ML171	13	32	dgy	fr	ST			qz-am-py qz-sr-cpy rd am-	0.5	1	0	0	1	0.5	0	0.5	0	0	0	0	0	0	10	0	0.5	0.5	
D	ML171	32	34.1	dgy	fr	ST			qz-am-px-po	15	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	1	
D	ML171	34.1	42.9	bn cm-pl	fr	btZHF	pxZHF		qz-am-po cl-cb-py	5	1	0	1	40	0	0	0	0.5	0	0	0	0	0	0	0	0.5	40	
D	ML171	42.9	44.2	cm-gn-pk b	fr	pxZHF	gtZXS		am-po-px	1	1	0	0.5	1	0	0	0	0	0	0	0	0	10	0	0	0.5	50	
D	ML171	44.2	45	bn cm-gn	fr	qzZHF			am-qz py po cl-py	2	1	0	0	15	0	0	0	0.5	0	0	0	0	0	0	0	1	10	
D	ML171	45	46.3	bl-gy cm-w	fr	ccSS			px-cb	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0.5	3	
D	ML171	46.3	48.2	bn-gy-cm-g	fr	pxZHF			px po cb-py	0.5	20	0	0.5	20	0	0	0	0	0	0	0	0	0.5	0	0	0.5	25	
D	ML171	48.4	49.2	pk-cm-gn-g	fr	gtZXS			cb cb-gt-am	5	5	0	0	0	0	0	0	0	0	0	0	0	30	0	0	2	10	
D	ML171	49.2	50.1	gn-gy	fr	amZHF			cb-ve	2	30	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	1	
D	ML171	50.1	52.8	bn lyw	fr	btZXS			cb	3	2	0	0	50	20	0	0.5	0	0	0	0	0	0.5	0	2	0	0.5	0
D	ML171	52.8	54.3	yw gn bn	fr	sdZXS			cb	0.5	0	0	0	30	2	0	1	0	0	0	0	0	0	0	0	0.5	0	
D	ML171	54.3	56	lyw dgy	fr	sdZXS			py sd cb	3	5	0	0	25	20	0.5	1	2	0	0	0	1	0.5	0	15	0	4	0
D	ML171	56	61.1	dbn lyw wt	fr	btZXS			cb qz-bt-py py cl-bt cc-f	5	0	0	0	50	2	0	1	10	0	0	0	1	0	0	0	0	0	
D	ML171	61.1	65.5	dbn lyw wt	fr	btZXS			cc cb sd-po-da-cpy	2	10	0.5	0	70	10	0.1	0.5	0	0.5	0	0	0	0	1	0	0	0	
D	ML171	65.5	68.5	bn yw gn	fr	sdZXS			cc cc-cl	5	15	0	0	15	10	0	0	1	0	0	0	0.5	0	0.5	20	0	0	0
D	ML171	68.5	71.2	plgn-gy dg	fr	gtZXS			gt-ve-am-px mt po-cpy	15	30	0.5	0	1	0	0	1	0	0	0	0	0	10	0	7	0	15	
D	ML171	71.2	73.3	gy-gn-pk b	fr	pxZHF	gtZXS		am-po qz po cpy-cb-py py	3	5	0	0	1	0	0	2	0	0	0	0	0	1	0	2	0	1	50
D	ML171	73.3	75.3	pk-gn bn	fr	gtZXS	ZHF		cb po	1	15	0	0	3	0	0	1	0	0	0	0	0	30	0	5	0	0	5
D	ML171	75.3	78.2	dgy-gn	fr	mtZXS			px po-cpy cb	1	3	0	0	0	0	0	0.5	0	0	0	0	0	7	0	55	0	0	2

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	ML171	78.2	81.5	pk-gn-gy-c	fr	ZHF	gtZXS		po-cpy-am	0.5	30	0	0	2	0	0	1	0	0	0	0	10	0	3	0	0	30	
D	ML171	81.5	98	pk-gn dgy	fr	gtZXS			cc	0.5	10	0	0	0	0.5	0.5	2	0	0	0	0	0	40	0	20	0	0	0
D	ML171	98	105	pk-gn-gy	fr	amZHF	gtZXS	veZXS	am-cb cb-ve py cpy bt	1	10	0	0	5	0	0.5	0.5	0	0	0	0	0	10	0	5	0	0.5	15
D	ML171	105	109.1	cm-pk gy-b	fr	pxZHF	ZHF		am-cb-po	10	5	0	0	15	0	0	0.5	0	0	0	0	0	0	3	0	0	0	40
D	ML171	109.1	112.7	bn-gy	fr	btZHF			am-po-qz qz-bt	1	1	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
D	ML171	112.7	114.3	cm-gn-pk b	fr	pxZHF			am-po bt	5	5	0	0	10	0	0	0	0	0	0	0	0	1	0	0	0	0	30
D	ML171	114.3	120.9	bn-gy	fr	btZHF			cl-cb-py am se qz- bt	2	1	0	0	40	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	0.5
D	ML172	0	16.3	dgy og	ww	SST			qz-se	0.5	1	0	0	1	0	0	0	0	0	0	0	0	0	5	0	0	0	
D	ML172	16.3	33.35	dgy	fr	SST				0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	
D	ML172	33.35	33.95	lgy	fr	SCGR				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	ML172	33.95	48.15	dgy	fr	SST				0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	
D	ML172	48.15	58.75	dgy	fr	SST	ST			0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	
D	ML172	58.75	58.9	cm-gn	fr	mtZXS				10	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	
D	ML172	58.9	65.75	dgy	fr	SST			bt-cp-po-qz-cl-mt	5	0	0	0	4	0	0	0.5	0	0	0	0	0	0	10	0	0	0.5	
D	ML172	65.75	65.9	pkcm	fr	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D	ML172	65.9	79.7	dgy	fr	SST			am-cpy qz-po-py- cpy	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	
D	ML172	79.7	87.1	dgy-bn gn-	fr	btZHF	amZHF	FG	am-px-po po qz cl	15	15	0	0	20	0	0	0	0.5	0	0	0	0	0	0	0	0	0	5
D	ML172	87.1	97.4	dbn	fr	btZHF			cl-cb-py cl-qz-se	2	1	0	0	30	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	0.5
D	ML172	97.4	102	cm-gn-pl b	fr	pxZHF	btZHF		qz qz-am-bt-mi po	3	5	0	0.5	15	0	0	0	0	0	0	0	0	0	0	0	0	0.5	50
D	ML172	102	113.8	dbn cm-pl-	fr	btZHF	pxZHF		am-po-qz cl-cb	3	5	0	1	30	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	10
D	ML172	113.8	116.65	cm-gy-gn-b	fr	pxZHF	qzZHF		am-po-py-asp po mi-asp	10	5	0.5	0.5	1	0	0	0	0.5	0	0	0	0	0	0	0	0	0.5	30
D	ML172	116.65	117.6	dgn	fr	ammZXS			cc	0.5	50	1	0	0	10	0	1	0	0	0	0	0	1	0	25	0	0	2
D	ML172	117.6	124.2	cm-gn bn	fr	pxZHF	btZHF		px qz gt ve ve-po- py am	5	3	0	0	20	0	0	0	0	0	0	0	0	1	0	0	0	0.5	60
D	ML172	124.2	127.1	bn cm-gn	fr	btZHF			am-po py po	3	5	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	1	5
D	ML172	127.1	129.1	cm-lgn bn	fr	pxZHF			po po-am px	3	5	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	40
D	ML172	129.1	130.1	pk-yw-gn	fr	gtZXS			po-cpy	1	10	0	0	0	0	0	0.5	0	0	0	0	0	20	0	0	0	0	25
D	ML172	130.1	136.7	cm-bn-pk g	fr	gtZXS	pxZHF		cc-gt gt px am-po	1	15	0.5	0	2	0.5	0	0.5	0	0	0	0	0	40	0	0.5	0	1	20
D	ML172	136.7	141.9	cm-lgn dgy	fr	veZXS			po ve mt px	0.5	10	0.5	0	0	0	0	0.5	0	0	0	0	0	25	0	7	0	0.5	15
D	ML172	141.9	144.3	cm-lgn dgn	fr	veZXS			sh mt-po-cpy am	0.5	20	0	0	0	0	0	1	0	0	0	0	0	2	0	20	0	0	10
D	ML172	144.3	149.1	dgn dgy	fr	ammZXS			am-po-cpy po cc	0.5	45	0	0	0	0.5	0	1	0	0	0	0	0	0	45	0	0	0	1
D	ML172	149.1	149.8	dgn	fr	amZXS			cc-py	1	70	0	0	0	0.5	0	1	0	0	0	0	0	0.5	0	5	0	0.5	3
D	ML172	149.8	154.3	lgn-dgn dg	fr	veZXS			cc-cpy-py-po px- cb	0.5	15	0	0	0	0.5	0	0.5	0	0	0	0	0	1	0	7	0	0	10
D	ML172	154.3	156.9	lgn-dpk-dg	fr	gtZXS	veZXS		am-po-cpy po cc	3	15	0	0	1	0.5	0	0.5	0	0	0	0	0	40	0	0	0	0	15
D	ML172	156.9	164.9	lgn dgy	fr	mtZXS			cc-py mt po	1	5	0	0	0	0.5	0	0.5	0	0	0	0	0	1	0	40	0	0.5	10
D	ML172	164.9	168.3	dgn dgy	fr	mtZXS			cc-da-fl	0.5	30	1	0	15	0.5	0	0.5	0	2	0	0.5	0	0	40	0	0.5	1	
D	ML172	168.3	173.3			mtZXS	veZXS																					
D	ML172	173.3	175.3			mtbtZXS																						
D	ML172	175.3	179.3			XFB																						
D	ML172	179.3	187.2			FG																						
D	ML172	187.2	194.2			SST	btZHF	FG																				

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danailite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML173	0	10.4	dgy	fr	ST	SST		qz	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	10.4	15.4	dgy	fr	ST					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	15.4	27.1	lgy	fr	SM	ST				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	27.1	36.2	brcm	fr	btZHF	pxZHF	SST			0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	36.2	53.5	dgy	fr	SST	ST				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	53.5	63.25	gygr	fr	SST	ST	amZHF			5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	63.25	65.75	br	fr	XFC	btZHF				0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	65.75	68	brcm	fr	btZHF	pxZHF				0	0	0	20	0	0	0	5	0	0	0	0	0	0	0	0	10
D	ML173	68	68.7	brwh	fr	XFC	btZHF				0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	68.7	72.6	brgy	fr	btZHF	pxZHF				0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	25
D	ML173	72.6	76.35	pkcm	fr	gtZXS	ccSS	pxZHF			0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	10
D	ML173	76.35	81	brgn	fr	veZXS	gtZXS				0	0	0	15	0	0	0	0	0	0	0	10	0	10	0	5	10
D	ML173	81	87.6	pkgy	fr	gtZXS	ccSS				0	0	0	10	0	0	0	0	0	0	0	30	0	0	0	5	0
D	ML173	87.6	89.6	bnbz	fr	veZXS	ccSS	btZHF			0	0	0	20	0	0	0	0	0	0	0	0	0	20	0	5	0
D	ML173	89.6	97.3	gybk	fr	mtZXS					0	0	0	5	0	0	0	5	0	0	0	0	0	50	0	2	0
D	ML173	97.3	98.75	bz	fr	veZXS					0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	5	0
D	ML173	98.75	111.75	bkggy		mtZXS					0	0	0	15	0	0	0	0	0	0	0	0	0	60	0	3	0
D	ML173	111.75	119.15	gnbz	fr	ampoZXS	SST				45	0	0	10	0	0	0	0	0	0	0	0	0	0	0	5	0
D	ML173	119.15	119.9	gybk	fr	amZXS					25	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0
D	ML173	119.9	132.8	gncm	fr	ampoZXS	btZHF				10	0	0	20	0	0	0	0	0	0	0	0	0	0	0	5	15
D	ML173	132.8	136.3	br	fr	btZHF					0	0	0	30	0	0	0	5	0	0	0	0	0	0	0	5	0
D	ML173	136.3	146.5	gy	fr	SST	ST				0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	3	0
D	ML173	146.5	148.9	cmgy	fr	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML173	148.9	155	cmgy	fr	FG					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML175	0	5.3	gy og cm	ww	SS					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML175	5.3	8.4	gy gn lgy	ww	SST			am-qz-po-py	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5
D	ML175	8.4	26.8	gy lgy og	ww	SST			am-qz-po-py cl	2	5	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	5
D	ML175	26.8	33	bn gn pl c	fr	pxZHF	btZHF		am-qz-po-cpy cl	5	20	0	1	0	0	0	0.1	0	0	0	0	0	0	0	0	0.5	30
D	ML175	33	37.6	gy lgy bn	fr	SST			cl-cc	2	5	0	0	5	0	0	0	2	0	0	0	0	0	0	0	0.5	10
D	ML175	37.6	39.2	l gy gn bn	fr	pxZHF			cl py	2	10	0	0	5	0	0	0	0	0	0	0	0	0	0	0	1	20
D	ML175	39.2	48.1	lgy dbn gn	fr	btZHF	pxZHF		qz-po-cpy-am cc cl-cb qz	5	10	0	0	30	0	0	0.5	0	0	0	0	0	0	0	0	0.5	15
D	ML175	48.1	60.1	gy lgy	fr	SST			qz-cl-py bt-qz-py-po-am c	5	2	0	0	10	0	0	0	2	0	0	0	0	0	0	0	0.5	5
D	ML175	60.1	67	bn gn lgy	fr	btZHF			qz-am-po-py cl-py cb-cl	5	10	0	0	30	0	0	0	1	0	0	0	0	0	0	0	0.5	5
D	ML175	67	86.2	gy wt gn b	fr	SST	btZHF		cc qz-po-am cl-cb cc-am-	2	2	0	0	10	0.5	0	0	2	0	0	0	0	0	0	0	1	5
D	ML175	86.2	91.2	gy gn	fr	SST			cl cc	5	1	0	0	15	1	0	0	5	0	0	0	0	0	0	0	0.1	2
D	ML175	91.2	94.4	d gy	fr	XFB	SST	btZXS	cc cl cc-py	5	1	0	0	10	2	0	0	20	0	0	0	0	0	0	0	1	1
D	ML175	94.4	96.7	bk bn	fr	btZXS	XFB	veZXS	cc py cc-po qz	5	5	0.1	0	40	5	0	0.1	5	0	0	0	1	0	5	0	2	5
D	ML175	96.7	107.7	bk bn	fr	btZXS	mtZXS		cc-qz±da cc po-apy-cpy	5	2	0.5	0	50	5	0.1	0.5	0	0.5	0	1	1	0	20	0	2	5
D	ML175	107.7	110.9	dgy-gn pk	fr	amZHF	gtZXS		am-cc-po gt-ve-px-cc py c	5	30	0	0	15	2	0	0	5	0	0	0	5	0	1	0	1	10
D	ML175	110.9	120.6	bk dgy	fr	mtZXS	btZXS		cc-qz cc-cl sd-qz-py mt-a	2	5	0.5	0	20	2	0.1	0.5	1	0.1	0	0.5	0	0	50	0	1	5
D	ML175	120.6	129.5	bz gn dbn	fr	poZXS			po-cpy-cc cc-cl qz sd qz-	5	15	0.5	0	10	2	0	2	1	0	0	0.5	1	0	0	0	0.5	2
D	ML175	129.5	134.3	bz pl bn w	fr	poZXS	ZHF	gtZXS	qz-tu-apy-cc po-cpy-qz-fl	5	20	0.5	0.1	5	1	0	1	1	0	0	1	2	0	0	0	0.5	10
D	ML175	134.4	140	bn wt bz g	fr	btZHF	ampoZXS		qz-tu-apy po-cpy-qz-fl p	10	15	1	0	30	0.5	0	1	1	0	0	0.1	0	0	0	0	0.5	20

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	ML175	140	143.8	bn wt pl g	fr	btZHF	ampoZXS	ammtZXS	qz-tu-apy-fl±da? Po-cpy	10	15	1	0	30	0.5	0.1	0.1	2	0.1	0	1	0	0	2	0	0.5	20
D	ML175	143.8	145.1	gn bn wt	fr	XHB			cl-cc-py qz-tu-apy	60	10	0.1	0	30	10	0	0	10	0	0	0.1	0	0	0	0	2	40
D	ML175	145.1	147.9	bn pl wt g	fr	btZHF	ampoZXS		qz-tu-apy po	5	20	0.5	0.5	30	1	0	0	0	0.5	0	0	0	0	2	0	1	10
D	ML175	147.9	155.3	gn wt bn p	fr	btZHF	pxZHF		am-po-qz py po qz- tu-apy-	10	20	1	1	30	0	0	0.5	0	0	0	0	0	0	0	0	1	30
D	ML175	155.3	168.4	bn gy	fr	SST	btZHF		qz-tu-apy-fl cc cl	2	1	0.5	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0
D	ML175	168.4	173.1	cm bk	fr	FG	ZQT		qz-tu-apy-po	10	0	0.5	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
D	RW002	0	3	lgy dgy wt	fr	SGVL				0														0			
D	RW002	3	6.5	wt gy	fr	SAND				0														0			
D	RW002	6.5	13.8	gy wt	fr	SGVL	SAND			0														0			
D	RW002	13.8	18.4	wt gy	ww	ZMRB			se	3														0			
D	RW002	18.4	18.9	wt	fr	SAND	ZMRB			0														0			
D	RW002	18.9	22.9	wt dgy	fr	ZMRB			cc se	2														0			
D	RW002	22.9	23.6	bk	ww	SMH			cc	5														10			
D	RW002	23.6	24.8	gn rd gy	ww	ZXS	RCLY		cl, cc	15														0			
D	RW002	24.8	25.5	wt gy	fr	FG			cl	3														0			
D	RW002	25.5	26.3	lgn bk rd	ww	mtZXS			cl, clay	20														3			
D	RW002	26.3	27.3	gy	ww	FG			cl, tu	15														0			
D	RW002	27.3	36.3	wt	fr	ZMRB			cl, cc-tu	2														0			
D	RW002	36.3	37.8	wt bk	fr	ZMRB																		0			
D	RW002	37.8	38.3	wt	fr	ZMRB			cc-tu	2														0			
D	RW002	38.3	45.2	wt bk	fr	ZMRB			se-cc	3														0			
D	RW002	45.2	46.7	wt bk	fr	lpZXS		FG	se cc	3														5			
D	RW002	46.7	50.4	wt gy bk	fr	ZMRB	SMH	XFBI	cc, se, cl, clay															1			
D	RW002	50.4	51.6	wt	fr	ZMRB			cc, se	1														0			
D	RW002	51.6	52.7	bk	ww	mtZXS	RCLY		cc															30			
D	RW002	52.7	53.6	wt	mw	FG				0														0			
D	RW002	53.6	55.8	wt	fr	FG				0														0			
D	RW002	55.8	58	wt	fr	FG				0														0			

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
H1001																											
D	RW002	58	60.5	wt	fr	FG				0														0			
D	RW002	60.5	62	wt	fr	FG				0														0			
D	RW002	62	67.4	wt	fr	FG				0														0			
D	RW002	67.4	70.4	wt	fr	FG			qz-tu	1														0			
D	RW002	70.4	74.8	wt	fr	FG			qz-tu	3														0			
D	RW002	74.8	87	wt lgy	fr	FG			qz-tu	1														0			
D	RW002	87	139.5	wt gy	fr	FG				0														0			
D	RW002	139.5	140.7	bk	fr	srZXS			cc	1														5			
D	RW002	140.7	140.9	gy	fr	srZXS			cc-sr	1														0			
D	RW002	140.9	145.75	lgy	fr	ZMRB			ca-qz-sr	5														0			
D	RW002	145.75	151.55	gy	fr	SCGL	SCGL	pxZHF	sr-po	10														0			
D	RW002	151.55	153.1	bk dgy	fr	SCGL			po	1														10			
D	RW002	153.1	155.2	dgy	fr	SCGL			sr	5														1			
D	RW002	155.2	161.55	lgy	fr	ZMRB			sr	5														0			
D	RW002	161.55	169	gy gn pk	fr	ZMRB			sr	15														0			
D	RW002	169	172	gy rd-bn	fr	SCGL	pxZHF		sr, cl	5														0			
D	RW002	172	177.8	dgy	fr	mtZXS	caZXS	ZMRB	sr-ca	5														50			
D	RW002	177.8	180	gy	fr	FG				0														0			
D	RW002	180	213.5	gy	fr	FG				0														0			
D	RW003	0	4	cm gy	mw	SGVL				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	4	7.6	wt bk	mw	SGVL				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	7.6	12.2	dgy bk	mw	SCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	12.2	16	cm gy bn	ww	SAND				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	16	18			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	18	21.8	bn bk	vw	SMUD				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	21.8	27.3	cm gn gy b	mw	SGVL				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	27.3	28.3			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	28.3	30.6	bn bk	vw	SMUD				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	30.6	32	cm gy	mw	SAND				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	32	36.4	bn bk cm o	mw	SMUD				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	36.4	39.3	cm gn bl o	mw	doZMRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	39.3	43.7	cm	mw	doZMRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	43.7	45.5	gy cm	ww	doZMRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
D	RW003	45.5	51.1	cm	mw	doZMRB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %	
D	RW003	51.1	53.3	bn cn gn d	ww	pxZHF			cl cl-py qz-px-cl py po p	15	0	0	0.5	5	0	0	0	1	0	0	0	0	0	0	0.5	2	10	60
D	RW003	53.3	57.2	cm gn rd p	mw	pxZHF	gtveZXS		py py-qz sr py-qz-cl cl p	5	0.5	0	0.5	2	0	0	0	0	0	0	0	0	0.5	0	0.5	5	1	60
D	RW003	57.2	58.3	rd bn dgy	ww	btZHF			qz lm he	20	5	0	0	30	0	0	0	0	0	0	0	0	0	0	2	0	0	5
D	RW003	58.3	63.3	gy gn og	mw	pxZHF			lm sr lm-qz	10	0	0	0.1	2	0	0	0	5	0	0	0	0	3	0	0.5	0	0	30
D	RW003	63.3	65.7	cm yw	mw	doZMRB			qz-sr	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0
D	RW003	65.7	67	cm pl	ww	qzSS					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	67	70	cm gn pk p	mw	XFB	pxZHF				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	70	73	gy og	ww	ccdoZMRB			sr-cc	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
D	RW003	73	75.2	cm pk bk o	mw	XFB	ccdoZMRB	pxZHF			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	75.2	79.8	og cm pgn	vw	RCLY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	79.8	83.8	og cm bn	vw	RCLY	RGOS			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	83.8	95	cm og bn	vw	RCLY	FG			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	95	101.8			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	101.8	108.5	cm og bn	vw	RCLY	FG			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	108.5	111.1	og rd bn	mw	XFB				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	111.1	112.6	dgy	fr	SST			qz-cpy-cl	1	1	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	2
D	RW003	112.6	113.5	cm gy bk o	ww	FG				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW003	113.5	120.8	dgy gy	fr	SST			qz cl ze qz-am bt-tu qz-o	3	5	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0.1	5
D	RW003	120.8	178.4	gy cm bn b	fr	FG			tu, cl	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW004	0	9			NREC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	RW004	9	13	dbn bk wt	mw	cyRB				0	0	0	0	0			0	0			0	0	0	0	0	0	0	0
D	RW004	13	14			NREC				0	0	0	0	0			0	0			0	0	0	0	0	0	0	0
D	RW004	14	16.9	lgy-wt bk	ww	doZMRB			cc-sr mt	25	0.5	0	0	0			0	0			0	0	0	0	2	0	0	0
D	RW004	16.9	19.8	gy-lbn	vw	doZMRB				0	0	0	0	0			0	0			0	0	0	0	0	0	0	0
D	RW004	19.8	21.3	dbn-bk	vw	R				0	0	0	0	0			0	0			0	0	0	0	0	0	0	0
D	RW004	21.3	39	gy-lbn	vw	doZMRB	XFB		mt	0.5	0	0	0	0			0	0			0	0	0	0	1	0	0	0
D	RW004	39	40.6	cm pk gy g	mw	XFB	doZMRB		sr mt	2	0	0	0.5	0			0	0			0	0	0	0	5	0	3	10
D	RW004	40.6	41.9	pk gy cm b	mw	XFB	pxZHF	doZMRB	sr-bt-cl-po-py px cy	5	2	0	5	1			0	1			0	0	0	1	0	0.5	40	
D	RW004	41.9	46	cm bl-gn p	mw	XFB	doZMRB		sr-mi cy po	5	5	0	0	0			0	0			0	0	0	0.5	0	0	30	
D	RW004	46	48.5	cm-gy	mw	XFB	doZMRB		sr-mt-bt-mi-py	2	0	0	0	0.5			0	0			0	0	0	0	1	0	0.5	0
D	RW004	48.5	51.9	gy	mw	XFB	doZMRB		sr	1	0	0	0	0			0	0			0	0	0	0	0	0	0	0
D	RW004	51.9	54	cm-wt	mw	XFB	doZMRB		qz sr	10	0	0	0	0			0	0			0	0	0	0	0	0	0	0
D	RW004	54	63	cm-gy-yw	mw	XFB	doZMRB		mt mi-sr	2	0	0	0	0			0	0			0	0	0	1	0	0	0	0
D	RW004	63	64.8	cm bl-gn r	mw	XFB	doZMRB		sr-mizam-po-cl	30	5	0	0	0			0	1			0	0	0	2	0	0	0	0
D	RW004	64.8	68.7	pl-bn	fr	XFB	btZHF				0	0	0	40			0	0			0	0	0	0	0	0	0	0
D	RW004	68.7	68.8	dgn	fr	XFG					0	0	0	0			0	0			0	0	0	0	0	0	0	0
D	RW004	68.8	71.5	lgy	ww	ccZMRB			cc qz sr	2	0	0	0	0			0	0			0	0	0	0.5	0	0	0	0

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	RW004	71.5	75	pgy gy	ww	ccdoZMRB			sr-cc-mt	2	0	0	0	0			0	0			0	0	0	0.5	0	0	0
D	RW004	75	80.6	bn og	vw	RGOS	RCLY				0	0	0	0			0	0			0	0	10	0	0	0	0
D	RW004	80.6	84.7	yw wt cm b	mw	RCLY					0	0	0	0			0	0			0	0	10	0	0	0	0
D	RW004	84.7	85	yw bn cm	mw	XFB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	85	86	yw bn cm	mw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	86	87.7	yw wt	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	87.7	88.8	yw gn-yw	vw	RCLY	RGOS				0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	88.8	89.8	gn gy og-b	mw	RCLY	RGOS				0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	89.8	97.8	gy gn pl	ww	pxZHF	XFB		sr sr-py sr-cy py bt	10	0	0	0	5			0	0			0	0	0	2	0	0.5	30
D	RW004	97.8	100.7	gy gn	mw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	100.7	104.5	og bn cm	vw	RGOS					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	104.5	109	og cm	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	109	117	og bn	vw	aciRGOS	RCLY				0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	117	121	og cm bn	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	121	131.6	yw cm wt b	vw	RCLY					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	131.6	142	bn og yw	vw	RGOS	RCLY				0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW004	142	143.7	gy gn yw b	mw	srZXS	mtZXS		sr	10	0	0	0	0			0	0			0	0	0	40	0	0	0
D	RW004	143.7	145.4	og bk	mw	RCLY			sr-cy-py	10	0	0	0	10			0	0			0	0	0	0	0	5	0
D	RW004	145.4	158.5	gy wt yw b	ww	FG			cy am-bt	0.5	0.5	0	0	0.5			0	1			0	0	0	0	0	0	0
D	RW004	158.5	165	gy bk wt p	fr	FG			am-bt	0.5	0.5	0	0	0.5			0	0.5			0	0	0	0	0	0	0
D	RW005	0	6	na	na	NREC					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW005	6	6.1	gy wt bk	ww	SGVL					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW005	6.1	73.5	gy-wt bk	fr	doZMRB			sr-cc py po	30	0	0	0	0			0	0			0	0	0	0.1	0	0.1	0
D	RW005	73.5	74.8	dgy-cm-pl	ww	pxZHF			cl-py	1	0	0	1	0			0	0.5			0	0	0	1	0	1	40
D	RW005	74.8	74.9	lbn-gy	mw	XFG					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW005	74.9	78.2	cm-dgy-pl	ww	pxZHF	doZMRB	SST	px-cl-py-po	5	0	0	1	0			0	0			0	0	0	0	0	1	40
D	RW005	78.2	80.5	gy-wt bk c	ww	doZMRB			sr-cc	7	0	0	0	0			0	0			0	0	0	1	0	0	0
D	RW005	80.5	84.9	gy bk	fr	doZMRB			sr-cc-qz	40	0	0	0	0			0	0			0	0	0	0.5	0	0	0
D	RW005	84.9	89.8	cm-gy og	mw	doZMRB			sr-cc mt lm	20	0	0	0	0			0	0			0	0	0	0.5	0	0	0
D	RW005	89.8	91.1	cm-wt gn	ww	doZMRB			cc-cb	15	0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW005	91.1	92.1	gy-wt bk	ww	doZMRB			sr-cc	30	0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW005	92.1	98.4	cm bn	mw	doZMRB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW005	98.4	110.5	gy-wt bk g	fr	doZMRB			sr-cc do-cc	30	0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW005	110.5	111.3	rd-bn gy-g	fr	ccSS			sr-mi-bt	10	2	0	2	20			0	0			0	0	0	0	0	0.5	5

Appendix G: Drill Hole Logs

H1000	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	RW005	111.3	117.7	gy bk gn	fr	doZMRB			sr-cc-cb cl	25	0	0	0	0			0	1				0	0	0	0	0	0
D	RW005	117.7	119	dgy cm-gn	fr	ccSS	pxZHF		cl sr-cl-po-cc-py	10	0.5	0	0.5	0			0	1				0	0	0	0	0	15
D	RW005	119	125.4	cm-gn-pl d	fr	pxZHF	ccSS	btZHF	cl cl-py-cc po	5	0	0	0.5	5			0	5				0	0	0	0	0	30
D	RW005	125.4	127.6	cm-gn dgy-	fr	pxZHF	btZHF		cl-cc	1	5	0	0.5	20			0	1				0	0	0	15	0	30
D	RW005	127.6	131.5	dgy wt gn	fr	ccSS			sr-cb-cl	30	2	0	0	2			0	0.5				0	0	0	0.5	0	0
D	RW005	131.5	138.4	gy wt-gn c	fr	ccSS			sr-cb-cl	10	0	0	0	0			0	0.5				0	0	0	0	0	0
D	RW005	138.4	140.1	cm-pk-gy	fr	doZMRB					0	0	0	0			0	0				0	0	0	0	0	0
D	RW005	140.1	146.3	gy gn	fr	ccdoZMRB			cb-cc	5	0	0	0	0			0	0				0	0	0	0	0	0
D	RW005	146.3	151.9	cm-pk-gy g	fr	ccdoZMRB			cb-cc-sr	40	0	0	0	0			0	0				0	0	0	0	0	0
D	RW005	151.9	154.2	dgy cm-gn	fr	ccSS			cc	2	0	0	0	0			0	0				0	0	0	0	0	0
D	RW005	154.2	155.2	dgy cm-gn	fr	cbmtZXS	ccSS		cc-sr-px	10	2	0	0	0			0	5				0	0	0	10	0	15
D	RW005	155.2	157	cm-gn	fr	pxZHF			cc-sr-cl	15	0	0	1	0			0	5				0	0	0	0	0	25
D	RW005	157	158.7	bn cm-gn	fr	btZHF	pxZHF		sr-cl bt sd	5	0	0	0.5	0			0	2				0	0	0	0	0	5
D	RW005	158.7	161.8	bk dgy og	ww	cbmtZXS			sd px	2	1	0	0	0			0	0				0	0	0	25	0	1
D	RW005	161.8	162.5	bk yw	fr	nmZXS					0	0	0	0			0	0				0	0	0	50	0	0
D	RW005	162.5	163.9	bk dgy	fr	voZXS			sd px	0.5	0	0	0	0			0	0				0	0	0	30	0	0
D	RW005	163.9	166.1	cm-gn-bn	fr	srZXS	cbmtZXS				0	1	0	0			1	0				0	0	0	5	0	1
D	RW005	166.1	167.9	dbl-gn dgy	fr	cbmtZXS	srZXS		sd px	0.5	1	1	0	0			0.5	0				0	0	0	40	0	0
D	RW005	167.9	193	gy wt bk	fr	FG			vo-bt	0.5	0	0	0	0			0	1				0	0	0	0	0	0
D	RW006	0	14.6			ZMRB					0	0	0	0			0	0				0	0	0	0	0	0
D	RW006	14.6	18.4			ccSS	pxZHF				0	0	0	0			0	0				0	0	0	0	0	0
D	RW006	18.4	55.1			ZMRB					0	0	0	0			0	0				0	0	0	0	0	0
D	RW006	55.1	60	gy pl gn	fr	pxZHF	ccSS		py po cl cc	10	5	0	1	5			0	0				0	1	0	0	0	40
D	RW006	60	63.6	gy pl cm	fr	pxZHF	ccSS		py cc cl	10	5	0	1	5			0	2				0	2	0	0.5	0	30
D	RW006	63.6	66.9	gn lgy pk	fr	pxZHF	ccSS		cl cc sr po am	10	2	0	0	1			0	2				0	1	0	0	0	30
D	RW006	66.9	67.9	lgy pl	fr	pxZHF			cl sr cc po	2	20	0	1	5			0	0				0	1	0	0	0	20
D	RW006	67.9	69.8	bn	fr	btZHF			cl py mt cc qz	5	5	0	0	30			0	0				0	0	0.5	5	0	2
D	RW006	69.8	72	gy pk	fr	ccSS	pxZHF		cc cl sr py	2	1	0	0	5			0	0				0	0	0	1	0	5
D	RW006	72	84.3			ZMRB					0	0	0	0			0	0				0	0	0	0	0	0
D	RW006	84.3	106.2			ZMRB					0	0	0	0			0	0				0	0	0	0	0	0
D	RW006	106.2	109			btZHF					0	0	0	0			0	0				0	0	0	0	0	0
D	RW006	109	135.4	l gy	fr	ccdoZMRB			sr cl mt	10	0	0	0	0			0	0				0	0	0	0.5	0	0
D	RW006	135.4	141.9	bk bn	fr	cbmtZXS	mtZXS	btZXS	cc po mt sd cl sr px tu py cc tu	10	2	2	0	20			0.5	5				0	0	0.5	40	0	5
D	RW006	141.9	145	wt gy gn	fr	FG				5	0	0	0	0			0	0				0	0	0	0	0	0
D	RW006	145	166								0	0	0	0			0	0				0	0	0	0	0	0
D	RW007	0	5.3	wt bk	ww	SGVL					0	0	0	0			0	0				0	0	0	0	0	0
D	RW007	5.3	6.7	wt dgy	ww	ccdoZMRB			py sr cc	10	0	0	0	0			0	0				0	0	0	0	0.5	0
D	RW007	6.7	35.2	wt dgy	fr	doZMRB			do sr cc	10	0	0	0	0			0	0				0	0	0	0	1	0
D	RW007	35.2	41.8	wt dgy pk	fr	doZMRB			sr	10	0	0	0	0			0	0				0	0	0	0	0	0

Appendix G: Drill Hole Logs

H1000 H1001	Hole	From metres	To metres	Colour	Weathering	Lith1	Lith2	Lith3	Vein_type	Vein %	Amphibole %	Arsenopyrite %	Axinite %	Biotite %	Calcite %	Cassiterite %	Chalcopyrite %	Chlorite %	Danalite %	Dolomite %	Fluorite %	Garnet %	Hematite %	Magnetite %	Olivine %	Pyrite %	Pyroxene %
D	RW007	41.8	45	wt dgy	fr	ccdoZMRB			sr sr-po sr-cc	20	0	0	0	0			0	0			0	0	0	0	0.5	0	0
D	RW007	45	63.8	wt dgy	fr	doZMRB			cc sr	2	0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	63.8	70	wt dgy	fr	ccdoZMRB			sr sr-po cc	5	0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	70	71.8	gn pk cm g	ww	pxZHF	srZXS		sr-py-po cc-py po	15	0	0	2	0			0	0			0	0.5	0	0	0.5	0	30
D	RW007	71.8	73.9	dgn wt	ww	ccZMRB			sr-po sr po	10	0	0	0	0			0	0			0	0	0	0	2	0	0
D	RW007	73.9	75	na	na	NREC					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	75	77.7	pl gn cm	ww	pxZHF	ccZMRB		sr py cc	5	2	0	5	0			0	0			0	0	0	0	0	5	30
D	RW007	77.7	80.1	gy wt	ww	ccdoZMRB			sr-po-py sr	15	0	0	0	1			0	0			0	0	0	0	1	0.5	0
D	RW007	80.1	83.8	gn wt plgy	fr	pxZHF			py-sr cc am-po	10	5	0	5	2			0	0			0	1	0	0	0	5	30
D	RW007	83.8	89.5	gy wt dgn	fr	ccZMRB	pxZHF	ccSS	sr-py-po sr py po	10	5	0	1	0			0	0			0	0.5	0	0	0	0	15
D	RW007	89.5	93.8	gn lgy	fr	pxZHF	ccZMRB		sr sr-cc po-cc po cl	10	2	0.1	1	1			0	0			0	0.5	0	0	0	1	30
D	RW007	93.8	96.2	bn gn lgy	fr	pxZHF	btZHF	veZXS	cc sr	2	2	0	0	15			0	0			0	0.5	0	0	0	0	25
D	RW007	96.2	121.6		fr	doZMRB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	121.6	123.8	gn pgpy pk	fr	pxZHF	gtveZXS		py-sr sr ve-cc po-sr po	5	5	0	2	0			0	0			0	2	0	0	0	1	25
D	RW007	123.8	127.3	lgy dgy pl	fr	ccZMRB	pxZHF		cc-po sr cc-sr cc	5	0	0	0	0			0	0			0	0.5	0	0	0.1	0	10
D	RW007	127.3	128.7	bn gn cm	fr	btZHF	ccZMRB		am-po sr cl cc	5	2	0	0	30			0	0			0	0	0	2	0	0	10
D	RW007	128.7	132	gy wt bn	fr	ccZMRB	pxZHF		sr cc	2	0	0	0	5			0	0			0	0.1	0	0.1	0	0	10
D	RW007	132	140			ccdoZMRB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	140	142			cyRB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	142	148.3	gy pgn		ccdoZMRB			sr		0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	148.3	149.1	dgy		ccZMRB			sr		0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	149.1	152	gy		ccdoZMRB					0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	152	154			ccZMRB	pxZHF		sr py		0	0	0	0			0	0			0	0	0	0	0	0	0
D	RW007	154	156.7	bn	fr	btZHF			cl sr bt py	5	0	0	1	30			0	0			0	0	0	0.5	0	1	5
D	RW007	156.7	160.4	wt gn	fr	mtplZXS			qz-pl sr mt	2	2	0	0	1			0.1	0			0	0	0.1	30	0	3	5
D	RW007	160.6	170			FG					0	0	0	0			0	0			0	0	0	0	0	0	0
EOF																											

Appendix G: Drill Hole Logs

Version	3																
Date generated	28/7/2010																
Reporting period end date	22/8/2010																
State	TAS																
Tenement	EL21/2005																
Tenement holder	Venture Minerals Ltd																
Project name	Mt Lindsay																
Tenement operator	Venture Minerals Ltd																
250K map sheet	SK5503 Burnie																
100K map sheet	7914 Pieman																
50K map sheet	na																
25K map sheet	3437 Stringer, 3438 L																
Start date of data acquisition	22/8/2009																
End date of data acquisition	28/7/2010																
Data format	SG3																
Number of data records	2052																
Date of metadata update	28/7/2010																
Feature Located	Rock Unit Interval																
Geodetic datum	not applicable																
Vertical datum	not applicable																
Projection	not applicable																
Projection zone	not applicable																
Remarks:																	
Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments	
LV016	0	8.5	0												Rubble from cored colluvium of fr gy ms qz-wacke. No tourmalinised sediments or qz-tu rock present.		
LV016	8.5	20.5	0												Clay weathered gy sfg micaceous qz-wacke.		
LV016	20.5	22.1													NO RECOVERY		
LV016	22.1	24.5	0							sr					gn, sr altered micaceous clays with qz veins		
LV016	24.5	26													NO RECOVERY		
LV016	26	27	0												fe stained, fractured, angular sfg qzSS		
LV016	27	28													NO RECOVERY		
LV016	28	30.5	0							qz					fractured qzSS, ground by drill, very silicified , vuggy with honeycomb dissolution texture, the qzSS was brecciated, cemented and silicified (fault breccia)		
LV016	30.5	33.4	0							sr					gn, sr rich clays with bands of mu and bt?		
LV016	33.4	54.5	0												cm-gn-yw-bn SDOL altered to marb. sugary recrystallisation texture, contains siliceous material. SDOL contains abundant gn veinlets which are v.soft and are waxy- sr? bk-gn veinlets tu? Fe staining. Yw cc. some dissolution textures.		
LV016	55.7	57.2	0							sr					fractured, poorly recovered gn srZXS, ground by drill.		
LV016	57.2	59.6													Fragmented dolomite marble with sr alteration and staining.		
LV016	59.6	69.2	0												Very hard, silicified sfg qzSS, fractured, abundant dissolution cavities on clasts, ground fragments by drill.		
LV016	69.2	71.7	0												Empty Karst		
LV016	71.7	72.5	0												scg qzSS with dissolution cavities and bn staining		
LV016	72.5	76.9	0												Empty Karst		
LV016	76.9	78.4	0												SDOL-marb with cm-gn-bk banding and gn-bk-yw veinlets, sr-bt, mn oxide alteration.		
LV016	78.4	79	0												Bn unconsolidated ss with angular clasts of SDOL and qzSS, karst infill.		
LV016	79	80.8	0												weathered, fragmented sdol, mottled cm-gn-gy alteration.		
LV016	80.8	91.2	0							sd, sr, cc, qz, mu, mn-oxides					weakly-strongly serpentinised mottled gn-cm-wt-bn-yw-gy dolomitic marble, which has been intensely veined and bleached. Silicified in some areas? Contains elliptical, concentric patches of mineralization of gy siliceous material with bn sr-cc rims. gn band		
LV016	91.2	110.7	0							sd, sr, cc, qz,mu, mn-oxides					polymict conglomerate matrix supported. conglomerate is composed of angular-sub rounded clasts of qzSS and carbonate. which as been subsequently veined and serpentinized. Abundant dendritic mn-oxides. Patchy weak magnetism of bn-bands -very soft ferous ma		
LV016	110.7	114.9								sr, he, mu					srZXS with a relict conglomerate texture conatining clasts of he, qz, very mu rich grey clasts with a matrix of srZXS.		
LV016	114.9	129.6	0							tu, qz, ka					very weathered porphyritic icg FG, with tu-qz alteration. Feldspars altering to kaolinite. Differing grainsizes indicate different stages of dyke intrusion. Dykes contain rare sr veins which contain mt-he (10-15cm).		
LV016	129.6	138.9	0							he,lm					bn hematitic gossan with coarse well formed crystals, distinct acciculat texture, both radial and with a preferred crytal alignment. Contains yellow patches of lm. There are also some dissolution cavaties. Material is very fraible.		
LV016	138.9	148.6	0												karst infill composed of bn ferrous clays containing weathered fg (qz phenocrysts and wt feldspars, bk tu?) with large pebble sized clasts of he gossan, srZXS and grey ifg material.		
LV016	148.6	163.3	0							he, lm, mt					bn-yl lm-he gossan with distinct accicular texture with rare mt.		
LV016	163.3	166.8	0							se, cl,					fractured FG img-icg. Porphyritic texture, eu qz and fp, su bt. With cl-se alteration, bn-bk coating on fracture surfaces. Qz veinlets.		
LV016	166.8	173.8	0												ferrous waterlogged og-gn clays with fragments of gossanous material. Karst infill?		

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV016	173.8	176.8	0							fl, mt, gt, px, mu, sr					ifg-img d gy lpZXS, with irregular blobs and dykelets of grey FG (visible bt, qz, fs-porphyrinitic ig texture) with px alteration rims, rare px-gt rims. Within matrix there are ifg-img gt-cc-mt. In fractures icg mu and cc sr? weak patchy magnetism.	
LV016	176.8	178.6	1							mu, po, sd? Px, ol? Gt?					gy- lpZXS with rare FG blobs with px alteration rims, matrix dgy-bk ifg with og-bn sd? CC-mu-sr veins.	
LV016	178.6	186.8	0							se, sr					porphyritic cross cutting dykes, visible chilled margins, varying grainsize from img-icg coarse euhedral qz and fs, eu-an bt. Sercite alteration of fs, gn-sr veins, UST (179.6m 45°, 183.4 40°). FG becomes increasingly more fractured d'hole at 184.4, rock	
LV017	0	3													QZ-wacke colluvium and bn clays with organic material. No tourmalinized material.	
LV017	3	7.7													Fragmented clay weathered p gy sfg micaceous qz-wacke, distinctive bedding	
LV017	7.7	8.7													No Recovery	
LV017	8.7	17.7													clay weathered qz wacke	
LV017	17.7	18.6													No Recovery	
LV017	18.6	24.1													qzSS with horizons of unconsolidated SGVL composed sfg-pebble sized clasts of grey qzSS and rounded white quartz rich silicified material.	
LV017	24.1	31.7													Clay weathered gy sfg micaceous qzSS saprolite with angular corestones? QzSS has relict tu veining.	
LV017	31.7	39.1								sr mu px					Clay altered srZXS with some less weathered intervals, rich in fine gn pearly mica?, containing fragments and bands of gy wt intensely silicified material that is more resistant to weathering si-px?. Non-magnetic. Bn-fe veining and bn staining. Weathered	
LV017	39.1	41.7								si					fractured silicified fragments of oolite with wt clay weathering and bn fe veining.	
LV017	41.7	43.7													bn-og-gn ferrous silty clays	
LV017	43.7	48.4								sr px si					wt-gn-bn silty clays with less weathered fr zones. Very qz rich with a crystalline texture- metaquartzite, with sr veining and px alt? ferrous staining	
LV017	48.4	52.7													gn-og-wt-bk silty clays with corestones of less weathered material which is composed of px and a bk accicular mineral with a cc matrix? Contains bk-og beds very ferrous originally mt? non magnetic.	
LV017	52.7	55.7								sr px					wt metaquartzite with silty-clay altered zones (gn-og, sr-fe) sr veining and ferous coatings originally px?	
LV017	55.7	61								sr mu px mo					gn-cm-og clays: weathered rotted skarn. With minor bands of relict sed breccia. Less weathered d gy-wt band which contains cc-px and a dark gy mineral? lcg-ifg cc veins throughout. Contains abundant ifg gn-wt pearly mica.	
LV017	61	70.4								sr cc					srZXS with strong relict sed breccia texture which has been alt and intensely serpentinised. Breccia is composed of polymict clasts and is poorly sorted with angular to sub-rounded clasts. The clasts are boulder sized (<30cm) to coarse sands. Composed of	
LV017	70.4	74.9													weathered SDOL (crystalline interlocking marble texture) effervesces with HCL, abundant anatomosing-discontinuous sr veins which were previously px?	
LV017	74.9	86.7								sr si px?					fractured, very friable rubbly core, srZXS with intervals of partly altered SDOL, strongly silicified material with px? ± bleaching. Abundant very ifg gn mica, intervals of white powdery clay alteration.	
LV017	86.7	87.8								si					strongly silicified oolite with gn-cm clays and og ferrous veins.	
LV017	87.8	95.3								sr mi qz px?					fractured and rubbly clay weathered srZXS with less weathered more resistant strongly silicified intervals with sr-qz veins, gy px and bn ferrous alteration. gn-ifg mica- mu? Intensely veined-brecciated in places.	
LV017	95.3	103.6								sr					Intensely bleached and veined SDOL, veination has given the core a brecciated texture, very friable, sr-cc veining, weak sr alteration.	
LV017	103.6	106.7													carbonaceous ifg SS (marble) that has abundant branching, discontinuous sr, cc, qz, mt, px veins. With stringers and spotted mt.	
LV017	106.7	111.4								sr px? mt					gn-wt-bn silty clay altered serpentinised px-srZXS with bands of less altered SDOL marble, contains fine mt stringers, cc veins and abundant sr veins (px) which are anatomosing and discontinous. Gy clasts- may have originally been thick veins that have b	
LV017	111.4	113.4								si sr mt					gn-cm-wt-bn clay altered srZXS that has strongly silicified bands with a vuggy texture. Intensely veined intervals with sr-cc producing a brecciated texture. 5cm weakly magnetic, bn ferrous, mt altered band at 112.75m	
LV017	113.4	116								sr,cc					wt-gn-gm-bn crystalline SDOL marble with abundant gn-bn-yw discontinous branching ferrous and sr veins, dendritic manganse oxides. Poorly recovered.	
LV017	116	125.7								si sr cc px? mi					Very friable and rubbly reground core. composed of banded silty bleached siliceous powdery fragments, srZXS, SDOL marble and silicified fragments with silty white clays. bands of more intense sr alteration, sr veins, abundant ifg gn mica and dendritic man	
LV017	125.7	126.9								px?					d gy-wt mottled dolomitic marble, with abundant veins and alteration of a massive ifg gy mineral diopside? Intensely reground.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV017	126.9	129													rubbly bleached wt -gy siliceous clay altered fragments in a white silty clay, does not effervesce with HCl, very poorly recovered, minor sr alteration and silicified fragments.	
LV017	129	137.5								mo ka? Mi					gn-gy-cm waxy montomorillonitic clays with bn micaceous horizons, dendritic manganese oxides with horizons of less weathered material. Poorly recovered. (136.5-137.1 qz phenocrysts with ka clays) small dyke intrusion.	
LV017	137.5	139.8								ka					rotted porphyritic FG dyke, with qz phenocrysts and ka altered fb. With bn clay.	
LV017	139.8	145								mo mi					waxy mottled and banded montomorillonitic clays with qz rich bands and wt powdery clay bands, gn ifg mica and dendritic manganese oxides. No obvious ign texture with qz rich material.	
LV017	145	145.8													rubblely clasts of montmorillonite and angular silicified clasts in a micaceous gy clay. This could be a product of drilling, the driller indicated this siliceous material was falling down the hole.	
LV017	145.8	147.7								mo					mottled montmorillonitic clays with, white powdery clay bands and angular clasts of silicified material	
LV017	147.7	148.5								ka					bn clays with qz phenocrysts and ka altered fp, with clasts of angular silicified material and clasts of og micaceous montmorillonitic clays. Karst infill?	
LV017	148.5	150.2								mo					og-yw-wt clays with mo and white powdery clay alteration . relict sed laminations are still visible.	
LV017	150.2	156.6								mo mi					bn-yw-pu-gn mottled micaceous monmorillonitic clays with angular clasts of silicified material (fell down hole?).	
LV017	156.6	158.9								mo mi					Fractured moderately weathered bn-og-gy altered lpZXS? in a bn clay matrix, mottled ifg material with less weathered siliceous patches which have bt flecks? Remains of a fg dyklet in a px-ol skarn?	
LV018	0	3.9													colluvium, ground clasts of qz wacke, tu-qz altered qzSS, ooSCB and felsic porphyritic granite, dissolution textures on clasts.	
LV018	3.9	7.1													Bn clays with clasts of qzSS	
LV018	7.1	9.5													oolite, does not effervesce with hcl, compressed and strained to make elongate ellipse shaped ooids, very sort nucleus <2 hardness concentric rings of fine grained carbonate (now altered).	
LV018	9.5	10.5													NO RECOVERY	
LV018	10.5	13.6													cm-bn-gn micaceous clays	
LV018	13.6	24.3													unconsolidated poorly recovered polymict gravels with a bn silty clays. Fragments are angular to sub rounded, composed of FG, qzSS, tu altered qzSS and FG tu+qz greisen.	
LV018	24.3	28.4													bn silty micaceous clays with angular fragments of qzSS.	
LV018	28.4	32													NO RECOVERY	
LV018	32	35.7													d bn-gy waterlogged clays with fragments of qzSS and silicified qzSS 30cm band of gn-cm micaceous clays srZXS at 33.1-33.5m.	
LV018	35.7	44.3													micaceous gn-cm-bn clays, mu? Sr, ka? Interbedded with qzSS si with px?	
LV018	44.3	49.6													silicified qzSS with honeycomb dissolution texture interbedded with srZXS	
LV018	49.6	50.6													NO RECOVERY	
LV018	50.6	53								Sr mi					bn, gn wt srZXS with abundant very fine gn-wt pearly mica and wt-silty powdery clay. Contains small pebble sized clasts of silicified material.	
LV018	53	60.4													Bn ferrous-limonitic clays with minor qz rich clasts, d/s coarse flecks of mica, weak magnetism in rare patches.	
LV018	60.4	68.5													fractured and reground polymict clasts composed of qzSS and ifg FG? with bn ferrous clays, rare mt-he clasts and icg quartz phenocrysts. Large 15cm fragment of qz-tu-px? greisen (tu accicular-radial).	
LV018	68.5	69.2													Redeposited band of qz phenocrysts and ka rich clays with angular polymict clasts of qzSS and tu-qz greisen. karst infill?	
LV018	69.2	73.4													fractured and re ground qzSS bn-rd clay coatings.	
LV018	73.4	75.8													he-mt moderately weathered gossan, weak radial-accicular crystalline texture with yw limonitic micaceous clays.	
LV018	75.8	79.6													poorly recoved ferrous micaceous clays with he ndGOS clasts.	
LV018	79.6	89.4													he gossan with minor relict accicular radial texture, with bn-yw mica rich clay bands.	
LV018	89.4	93.6													Ferrous-limonitic bn-yw micaceous clays with angular clasts of he gossan and silicified qzSS. 93.1-93.6 qz phenocrysts and white ka within the bn clays.	
LV018	93.6	96.9													waterlogged sandy ferrous clays with silicified qzSS and he gossan clast, abundant very fine mica.	
LV018	96.9	102.7													Angular re-ground ifg lam qzSS fragments with a bn clay which contains ka and qz phenocrysts karst infill?	
LV018A	0	100.8													Cavity after drillhole LV018 from which LV018A deviated	
LV018A	100.8	124.9	0												Sub rounded clasts of gy si SST set in yw bn clay matrix - kaarst infill breccia	
LV018A	124.9	126.1	0												Rd bn ferruginous clay weathered FG - relict qz, fp, and coarse mica phenocrysts in rd-bn clay matrix.	
LV018A	126.1	135.1	0												Kaolin after clay weathered FG - relict qz phenocrysts - probably originally porphyritic.	
LV018A	135.1	170.5	0												Coarse grained equigranular textured granite. Feldspars largely replaced by gn mica.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV019	19	26								tu					grey sandy clays, with abundant chips of qzSS, some with relict lam and tu alteration.	1st hit water at 21m
LV019	26	43													l bn v.f.g sandy clays with pk-gy ferrous stained and bleached sl SST chips (rounded and angular). The % of chips to sandy clay varies greatly, in some samples chips are rare. At 35-36m roughly half the sample was cm which could have been a FG dyke or bl	
LV019	43	56													og-bn ferrous sandy clays with rounded clasts + angular chips of qzSS and he coated gy silstone clasts. Variable sizes and abundance of chips	Drillers hit small cavity at 50-51m
LV019	56	63													l bn silty sands with lesser chips of bn-cm-gy qz rich material	
LV019	63	68													bn v.f.g sandy clays with small clay clumps containing rd-bk-gn-yw micaceous banded clays. Siliceous chips absent.	
LV019	68	74													v.f.g sandy clay with clay clumps and minor gy siliceous chips (rounded to angular)	
LV019	74	102								he mt lm					v.f.g sandy clay with siliceous chips with ferrous rd-bn coating and gossanous he-mt chips. Sands are weakly magnetic. At 81-83 the sample was cm-bn which could be due to a granitic dyke or a large bleached siliceous boulder? In karst. Lam visible in some	
LV019	102	116								he mt lm					Ferrous v.f.g red -bn sandy clay with mt chips and limonitic micaceous clay clumps. Very rare rd-bn coated siliceous chips. (contamination)	
LV019	116	128								he mt					waterlogged og-bn clays with gy accicular he-mt chips with rare red-yw clay floaters. Some sm qz chips present. could be contamination from cyclone.	Excessive recovery, waterlogged sample was flushing out cylcone contaminating sample.
LV020	0	3	0						0						Qz-wacke colluvium with sandy bn clay	
LV020	3	9	0						0						Dbn organic soils (sandy clays) with rounded and angular chips of qzSS	
LV020	9	27	0						0						Bn sands with pebbles of qzSS, qz-tu and porphyritic FG	
LV020	27	37	0						0						Small <2cm clasts/ chips of soft sfg bkstrZXS. Abundant sr and icg mi. Occurs with gy siliceous chips and cm bleached material.	
LV020	37	43	0						0						Siliceous gravels in water logged micaceous clays.	
LV020	43	48	0						0						Bl-wt sfg siliceous bleached chips in cm-gn clays with mi.	
LV020	48	89	0						0						Lt-gy og-bn silty - sandy clays with siliceous SS chips	
LV020	89	94	0						0						Og-bn ferrous clays with he chips and siliceous material	
LV021	0	8	0						0						QZ-wacke colluvium	
LV021	8	22	0						0						Lt-gy clayey micaceous quartz-wacke	
LV021	22	135.3	0						0						Dk-gy sfg sl qzSS/ SQZT	
LV021	135.3	183	0.5	0	0	0	0	0	0	tu 2		dis rcz	lam mdb	bkn	partially recrystallised qz rich SS with weak banded bt-py (bn tu?) alteration. Qz-cc-btztu veins. Rare d/s po. Alt // to bedding.	
LV021	183	183.7	0	0	0	0	0	0	0			mot		frc	poorly recovered, fragments of btZHF and pxZHF rounded and ground by drill. Karst? Top of next unit vuggy.	
LV021	183.7	186	0.5	0	0	0	5	0	0	0		rcz	mdb		rcz gy-wt calcareous marble with sr and pk alteration. Dis po+py. Sr+sx's veins. boundary with below at 10" with a thick gn sr vein at contact.	
LV021	186	187	0.1	0	0	0	5	0	0	0		mot			shallow undulating boundary between pxZHF and btZHF. d/s img am + po	
LV021	187	196.1	0	0	0	0	0	0	0	0.5		mot brc	tnb mdb	ftz, slk	fault zone consisting of reground rubble w/ intensely bt altered qzSS +dis po (patchy px alt), bt increasing down hole. From 193.1m there is a 20cm dunitite/olZXS band.	
LV021	196.1	196.8	0	0	0	0	5	0	0	0		mot spt dis grn		ftz, slk	gn cb alt spt SST, v.weakly magnetic w/ minor band of btZHF, porous and vuggy w/ minor dis grn py, redrilled fragments.	
LV021	196.8	200.5	0	0	0	0	20	0	0	0	gt→am	cm pk gn wt		ftz	sr banded pxZHF contains pk-gn veinlets gt→am w/ 10cm at clay at end of interval remenant of XFG?	
LV021	200.5	201.6	0	0	0	0	0	0	0	0		mot rcz			rcz qzSS→silcrete vuggy voids where cb weathered out. Strange subangular qz granules preserved near start of interval.	
LV021	201.6	203.3	0	0	0	0	0	0	0	0						
LV021	203.3	210.2	0.5	0	0	0	5	0	0	0	cl	mot rcz grn		frc	weakly brecciated doZMRB fracture/vein surfaces sometimes coated w/ grn py.	
LV021	210.2	212.5	0	0	0	0	15	0	0	0		mot rcz			vuggy wealy calcareous doZMRB. Mot w/ streaks-swirls and diffuse patches of sr±cc	
LV021	212.5	230.3	0	0	0	0	5	0	0	0		mot lam rcz	lam-tnb		mod calcareous doZMRB mot sr-cc g-wt-pk veins + lam gy	
LV021	230.3	235.2	0	0	0	0	20	0	0	0		mot			highly acid reactive ZMRB ex veined with cc + gn-pgn bn sr. anastomosing veins and veinlets.	
LV021	235.2	241.1	0	0	0	0	20	0	0	0	cy 30; mn 0.5	sr→cy	lam	lam	frc	
LV021	241.1	243.1	0	0	0	0	30	0	0	0	lm 5; mn 0.5		mot			mostly pgn sr veined ZMRB w/ mot lm-staining? Some colourless translucent sr(?) ± bn sr in complexly veind patches. Minor vuggy voids
LV021	243.1	245.9	0	0	0	0	20	0	0	0	mn 0.5	mot lam	lam-tnb	mcf	intensely sr-alt ZMRB; criss-crossing pgn±dgn-bn veinlets, semi-translucent sr, speckled w/ mn-oxide in places. Some vuggy, crystalline cb coated voids	
LV021	245.9	246.5	0	0	0	0	20	0	0	0	mn 0.5	mot		frc slk	pgn sr-alt ccdZMRB w/ dendritic mn-oxide on fracture surfaces. lcg sr/mi in crumbly zones. Difficult to gauge cc alt. Weakly brecciated + sr healed?	
LV021	246.5	246.55	0	0	0	0	0	0	0	0				ftt	small band of deformable clayey gouge w/ fragments of ccdZMRB	
LV021	246.55	247.7	0	0	0	0	40	0	0	0		mot rcz		frc	difficult to gauge cc alt. Moderately reactive with HCL. Rcz cc + do; do forming wt patches amongst sr veins. Frc zone near middle of interval	
LV021	247.7	249.5	0	0	0	0	0	0	0	0				ftz	partially recompacted crumbly XFB derived from sr-alt ccdZMRB; clayey matrix, some contamination & redistribution of clasts by drilling. Weakly reactive with HCL	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV021	249.5	253.2	0	0	0	20	0	0	0			spt mot lam	lam-tnb	frt ftz	thick dgn sr vein followed by ~30cm spt w/ fg mt at start of interval. Alternating very fine-fine grained marble, ex. Veined w/ well fractured zones	
LV021	253.2	253.7	0	0	0	30	0	0	0						highly sr-alt zone of fg ccdZMRB. Fractured & ground to gouge in last 10cm. Icg sr/mi in bands through ZMRB and disrupted by drilling (?)	
LV021	253.7	254.1	0	0	0	30	0	0	0	cy 2	ol→sr	mot spt grn			streaks & bands of hairnet texture ol→sr→cy. Overprinted by icg cc + sr/mi. relict blobs of doZMRB. Minor late stage bt alt of sr?	
LV021	254.1	258.9	0	0	0	15	0	0	0	mn 1	ol→sr	mot		frt ftz	weakly HCl reactive, well fractured doZMRB w/ sr dominated veins + dendritic mn-oxide in fractures. Weak bt-cl alt.	
LV021	258.9	260.2	0	0	0	40	0	0	0		ol→sr	mot		frt ftz	well fractured bt alt. ol ZXS w/ minor leopard spots bt →cl?	
LV021	260.2	269.7	0	0	0	2	0	0	0			ppy		frt	variable grainsize, multiple dyke intrusion. Og-ferrous weathering. Contaminated by olZXS. Py on fracture surfaces, gt-sr alt & veining in last 50cm	
LV021	269.7	271.8	0	0	0	40	0	0	0			mot		frt - ftz hbr	weakly developed patches of lpZXS in olZXS w/ blobs of relict doZMRB increasing in density downhole. Frc -brecciated in places; ~10cm leopard gouge(?) at contact with FGRA. Mostly ≤5mm but trace icg sr/mi up to 4mm.	
LV021	271.8	277.3	0	0	0	1	0	0	0	lm 10; mn 1	ol→sr	mot		hbr frt	hbr + refractured ccdZMRB, silicified in places = vfg granitic melt? ± silicified ZMRB breccia. Stained og w/ lm dendritic mn-oxide in ccdZMRB splodges; cc partially removed. Minor zone olZXS from 273.9m	
LV021	277.3	281.6	0	20	0	40	0	0	0			mot		frt	ccdZMRB w/ bands + blobs cy-alt sr→orig patches olZXS? Minor siliceous zones = qz-alt ZMRB? Some contamination	
LV021	281.6	282.6	0	0	0	0	0	0	0						void. Loose and redrilled frgements of ZMRB	
LV021	282.6	285.7	0	40	0	30	0	0	0	mn 2; ze 0.5	ol→sr	mot		frt	well fractured, vuggy, silicified ZMRB w/ zones of weathered olZXS mostly gone to sr. Botryoidal ze growing on silicified fracture surfaces	
LV021	285.7	293.6	0	0	0	15	0	0	0	mn 1	ol→sr	mot spt			vuggy sr alt. ccdZMRB. Sr veins + spt, blobs of olZXS→sr and icg sr/mi	
LV021	293.6	296.7	15	0	0.5	25	0	0	0.5		ol→sr vo→mt	mot grn spk aci psm hrn			mixed ZXS; cb w/ ol→sr spk & large blobs of sr-rimmed doZRB. 30cm ivcg poZXS from 294.3m w/ hrn text. Patches + veins ivcg cc w/ aci sr+ol→sr alt. Psm qz→ol? Po weakly magnetic	
LV021	296.7	301.4	5	0	0.5	15	0	0	3		ol→sr vo→mt	mot spt aci hrn			cbmtZXS ≠ s+p. all aci mt after vo. Minor weakly developed hrn in places. Spt pgn in cb = mixed cb+ol→sr alt? bands+patches ivcg aci mt w/ ifg aci mt throughout cb matrix. Gradual change to next interval	
LV021	301.4	303.2	10	0	0	0	0	0	20	il 30	vo→mt	aci mot			ivcg aci vo→mt rosettes in cb+dis vfg il??	
LV021	303.2	307	3	0	0	30	0	0	0		ol→sr vo→mt	mot grn aci hrn			olZXS w/ bands + patches aci ivcg mt after vo. Patches icg primary sr. minor wt faintly pgn fluorescent mineral? In veinlets.	
LV021	307	309.9	1	0	0	20	0	0	0		ol→sr vo→mt	mot aci spt		hbr	olZXS, less sr alt. bands ivcg vo→mt(17%) + patches grn mt (~3%). ~10% primary sr (increased % from previous interval). Irregular patches of pgn-wt sr(?) rimmed aci img mt	
LV021	309.9	313	5	0	0	25	0	0	0	cy 0.5	ol→sr sr→cy vo→mt	mot euh aci tab			olZXS w/ bands icg aci mt+sr+cb+grn mtweakly reactive cb. Magnetic po. ivcg cb psm in sr matrix + grn mt+po+cpy in 15cm band at 312m + icg psm (min?) in po vein from 312.4m	
LV021	313	327.4	1	0	0.5	25	0	0	0		ol→sr	mot tab spt			spt pgn olZXS w/ mot + bands conc grn mt. bands + patches sr w/ cb-ivcg, euh. Patches pgn-dgn-bl greasy sr? cb? Spt v. soft wt non-HCL-reactive, weakly pgn fluorescent min = ?	
LV021	327.4	348.8	0	0	0.5	60	0	5	1		ol→sr	spt mot psm aci			gradational transition to more sr alt. ZXS. Patches gn sr w/ lbn granular replacement of psm shapes = ol? Some aci wt min in sr patches or fine vo needles. Grn mt replacing qz(?) in veins, flanked by cb. Qz & ol?? Dis mt in diffuse patches throughout. inc	
LV021	348.8	350.6	0	0	0	70	0	2	0		ol→sr	not hrn tab			previous srZXS overprinted by dgn sr/mi icg up to 20mm. Bands of bt-he altered hrn olZXS. Dappled grn mt w/ bn stained halos + dappled px in sr bands. FGRA contact brecciated by drilling?	
LV021	350.6	361.7	0	0	0	0	0	0	0			grn ppy		frt brt ftz	~20cm ifg granite followed by ~6cm of conc. Bt grains, then becomes uniformly coarse crystalline granite	
LV022	0	4	0			0		0	0						cored alluvial gravel + granitic sand. Cobbles - small boulders of gzss + tu-alt SS	
LV022	4	14.5	0			0		0	0						gy + bk + wt clay with mixture of dgy siltstone + cm granite cobbles	
LV022	14.5	28.8	0			0		0	0						bu clay supported reg. breccia. Clasts qzwacke	
LV022	28.8	30.5	0			0		0	0						rotted img granite boulder or dyke?	
LV022	30.5	100.9	0			0		0	0						bn clay supported reg. breccia with scattered qz sand zones up to 1-2m tk. Clasts dom. qzSS, some ZQT + FGRA	
LV022	100.9	102.7	0			0		0	0							
LV022	102.7	115.3	0			0		0	0						bn + bngn + rdbn montmorillonite clays, possibly in situ after olZXS? Locally weak-mod magnetic (fg out). 107.8 - 108.7 NREC	
LV022	115.3	125.5	0			0		0	0						rotted mg granite	
LV022	125.5	130.1	0			0		0	0			grn			ol altered to mo, retains grn texture: 1-2mm. tu + asbestiform sr appears near base	
LV022	130.1	135.7	0			0		0	0			grn			tu. Poor cohesion	
LV022	135.7	147.6	0			0		0	0			aci			he after mt, after vo? w-m magnetic in patches	
LV022	147.6	150.5	0			0		0	0			grn			sig. alteration to mo montmorillonite clays. sr mica? ≤1mm; sample taken for XRD: LV022-147.9m	
LV022	150.5	179.6	0			0		0	0			grn			1-5mm grains, poor cohesion	
LV022	179.6	183.4	0			2.5		0	0	sr <5%		grn			granite becoming altered: gn sr	
LV022	183.4	185	0			5		0	0	sr 5%		grn				
LV023	0	5.5	0			0		0	0			scg			loose cobbles; dril through a tu-altered boulder of SST	
LV023	5.5	6.5	0			0		0	0			ifg-img			gravels primarily of granitic origin	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV023	6.5	7.5	0			0		0	0						coreloss	
LV023	7.5	8.5	0			0		0	0			img				
LV023	8.5	13.4	0			0		0	0			img			weathered granite; clay rich, mod poor cohesion	
LV023	13.4	14.7	0			0		0	0						coreloss	
LV023	14.7	16.7	0			0		0	0						contaminated; qtz cobbles and altered SST pebbles; poorly consolidated+AF43	
LV023	16.7	18.5	0			0		0	0			img			clay rich; mod poor cohesion	
LV023	18.5	21.5	0			0		0	0						coreloss	
LV023	21.5	22.5	0			0		0	0			img				
LV023	22.5	23.5	0			0		0	0						coreloss	
LV023	23.5	27.7	0			0		0	0			img				
LV023	27.7	28.7	0			0		0	0						coreloss	
LV023	28.7	29.6	0			0		0	0			img				
LV023	29.6	32	0			0		0	0			img-icg			good cohesion and lower clay content than more weathered zones	
LV023	32	39.4	0			0		0	0			ifg-img			return to higher clay content and mod poor cohesion	
LV023	39.4	40.7	0			0		0	0						coreloss	
LV024	0	3	0	0		0		0	0							
LV024	3	4	0	0		0		0	0						mixture of granitic and qz wacke sand and cored qz wacke boulders	
LV024	4	7	0	0		0		0	0							
LV024	7	10.2	0	0		0		0	0						gy clay after ss+sm with some qz grit after FG mixed in.	
LV024	10.2	12.5	0	0		0		0	0						2-4mm qz grains in a cm clay + ex bt? Texture suggests after insitu granite.	
LV024	12.5	15	0	0		0		0	0						angular fragments of qz wacke in bn gy clay	
LV024	15	16	0	0		0		0	0							
LV024	16	24.4	0	0		0		0	0						gy-bn clay with angular qz-wacke fragments	
LV024	24.4	30.8	0	0		0		0	0						yw-bn silty clay with angular ww qz wacke fragments	
LV024	30.8	32.1	0	0		0		0	0							
LV024	32.1	37.4	0	0		0		0	0						cohesive breccia- qz wacke clasts within a silty clay matrix. Formed by drilling?	
LV024	37.4	38.1	0	0		0		0	0						FG dyke or boulder? Qz clasts 2-4mm in a cm ka rich clay relict fp and bt, primary ign texture.	
LV024	38.1	48.5	0	0		0		0	0						yw-bn clay with ang clasts of ww qzSS (lam), gy-gn micaceous SS, fg qz-tu greisen, FG fragments and 2-4mm qz.	
LV024	48.5	50.5	0	0		0		0	0						qz wacke fragments, clay washed out?	
LV024	50.5	54.2	0	0		0		0	0						loose angular qz wacke fragments with some clay matrix preserved.	
LV024	54.2	58.5	0	0		0		0	0						cohesive cyRB with frags of qz-wacke mo ST and qzSS.	
LV024	58.5	64.5	0	0		0		0	0						angular cm micaceous qzSS fragments some reground clay matrix washed out? Minor fe staining. >10cm qz veins in qzSS frags, veins follow bedding?	
LV024	64.5	70	0	0		0		0	0			mot			qzSS fragments with some clay matrix preserved. Increasing deep rd he staining. Convex ground frags show hole collapsing in/ contamination	
LV024	70	79.1	0	0		0		0	0						gy qz wacke fragments with d rd fe staining some clay matrix preserved. Convex frags.	
LV024	79.1	95.3	0	0		0		0	0						cohesive breccia consisting of qzSS, gy ST and he coated siliceous fragments. (angular clasts variable weathering) in a bn clay matrix.	
LV024	95.3	97.2	0	0		0		0	0			mot			mot rd-bn-gy sticky clays with minor clay weathered siliceous frags ang-sub rounded clasts. Less weathered core stones? And qz wacke fragments.	
LV024	97.2	101.3	0	0		0		0	0						angular-subrounded siliceous gravel-boulder clasts/fragments w/ clay matrix nearly all washed out by drilling; poor recovery	
LV024	101.3	103.8	0	0		0		0	0						consolidated puggy clay w/ predominantly siliceous clasts (as before) w/ some clay-alt. soft cm coloured clasts	
LV024	103.8	105.7	0	0		0		0	0						washed out siliceous, angular-subrounded pebbles-boulder fragments	
LV024	105.7	112.7	0	0		0		0	0						angular siliceous gravels-boulder pieces + cy-alt. SST fragments in mostly consolidated og clay; clasts surfaces stained red; clast cores gy	
LV024	112.7	114.2	0	0		0		0	0						HQ→NQ at 114.2m?	
LV024	114.2	115.9	0	0		0		0	0						washed out siliceous angular pebbles-cobbles	
LV024	115.9	119.7	0	0		0		0	0			spt			predominantly sot cy-alt. SST + some pxZHF fragments??? In consolidated og-yw clay; gvl-bl clats; preserved fibrous-powdery bk waddy material near end of interval = preserved plant material?? Contamination?	
LV024	119.7	123.3	0	0		0		0	0						dun coloured puggy clay w/some angular-subrounded siliceous fragments scattered through it; lower clast density than bounding intervals	
LV024	123.3	127.3	0	0		0		0	0			mot		slk	bn silty clay containing qzite, siliceous + serpentinised fragments; ~30cm highly cy-alt. serpentinised gn-bk-wt swirly zone = minor lith? Or boulder drillthrough?	
LV024	127.3	129	0	0		0		0	0			mot			silty cm clay w/ cy-alt. serpentinised zones/fragments	
LV024	129	130.5	0	0		0		0	0						washed out siliceous subrounded-angular pebbles-cobbles	
LV024	130.5	131.7	0	0		0		0	0						bn clay w. gravel-boulder sized, rounded-angular, siliceous + cy-alt.+serpentinised-cy alt. fragments/clasts	
LV024	131.7	132.9	0	0		0		0	0					slk	bn slk clay w/ cy-alt.+serpentinised fragments	
LV024	132.9	136.8	0	0		0		0	0						og clay w/ clasts of vuggy doZMRB. Zone of soft cm sand-clay w/ rd specks = highly weathered doZMRB boulder? Poor recovery; fr qz-rich doZMRB fragments toward base of interval.	
LV024	136.8	137.5	0	0		0		0	0							
LV024	137.5	140.3	0	0		0		0	0						soft bn clay w/ minor siliceous pebbles; trace icg sr(?) mica + clay-altered og clast remains	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV024	140.3	142.3	0	0		0		0	0						scg sr/mica-rich gn-gy clay interval w/ weathered doZMRB + siliceous fragments scattered through. Darkens in colour down hole.	
LV024	142.3	143.3	0	0		0		0	0						weakly slk crumbly bn clay with ex. Clay-alt. grains of gn-bk-bn discernable? Horizons rich in icg sr/mica; sr curving around remnant grain boundaries?	
LV024	143.3	145.4	0	0		0		0	0						soft bn-og-cm clay w/ serpentinised clasts almost entirely clay altered and falling apart; only rounded siliceous clasts in tact	
LV024	145.4	149.1	0	0		0		0	0						gy-yw siliceous fragments; clay washed out? Pebble-cobbles of vuggy quartzite	
LV024	149.1	150.1	0	0		0		0	0						soft silty og-bn clay w/ crumbly wt+gn clast forms and siliceous clasts	
LV025	0	13	0	0		0		0	0							
LV025	13	22.4	0	0		0		0	0	cy 80; mi 2%		mot				d gn-gy clay mot with cm-gn clay with pearly flakey wt sr/mi? sr rich clasts and minor doZMRB clasts (contam) scg grains of rounded do.
LV025	22.4	25.5	0	0		10		0	0	cy 30; mi 2		mot				interbanded doZMRB and dgn sr rich clays (w/ gn sr rich clasts) variable weathering of doZMRB to scg do sands. Sr veining with in dolomite weathers to gn clay.
LV025	25.5	34	0	0		5		0	0	cy 5		mot		bkn		vuggy doZMRB- variable weathering to scg do sands, sr in veins weathering to gn clays.
LV025	34	48.5	0	0		40		0	0	cy 50		mot brc				gn-dgn-og matric supported polymict breccia. Consisting of mostly serpentinite material breccia w/ bands of scg lithic (qzSS?) + qz grains in a cy-sr matrix. Downhole towards the end of the unit the clasts become pearly rd-bn very micaceous-btZHF? Clasts
LV025	48.5	49.5	0	0		0		0	0	cy 80; lm 5		mot				og-cm-gn mot ferrous clays with bn-bk mn oxide.
LV025	49.5	51.2	0	0		0		0	0	cy 50; lm 20		grn mot				mot og-cm clays with d bn lm veins/zones. Minor silicified fragments.
LV025	51.2	53.7	0	0		0		0	0	cy 80; lm 5; mn oxide 2		mot				cm-og-bn-ign mot clay with mn oxides. At 52.9m there is a 30cm band with abundant mt/he veining.
LV025	53.7	58	0	0		0		0	0	cy 50; lm 1; mn 2		lam				mottled og-bn-gy rubblely clays with siliceous interbands and lime gn clay with mn oxides. cyRB or formed in drilling process.
LV025	58	62	0	0		0		0	0	cy 90; mn 3		lam	lam-tnb	mcf		banded bn and og-cm clays with relict sed tnb-lam. Pearly micaceous bn clays. Weathered pxZHF and btZHF?
LV025	62	68	0	0		0		0	0	cy 5; lm 50		aci ms grn				granular and Aci gossan with variable weathering. Zones of strongly magnetic material. Last 1m graded boundary with minor btZHF clay?
LV025	68	74.3	0	0		0		0	0	cy 90; lm 2		lam mot bnd	lam			pearly lbn-og-rd clay with relict sedimentary lam/ mzn? Weathered ZHF?
LV025	74.3	96.3	0	0		0		0	0	ka 50	fp→ka fp→tu	ppy				ppy qz+fp, icg-img. Tu veins. Fp almost all gone to ka. Poor recovery. Gradually freshing down hole toward end of interval
LV025	96.3	163.5	0	0		0		0	0	lm 1; ka 1; se 1	fp→ka fp→se	ppy grn				weakly lm-stained minor fractures, otherwise cohesive granite. trace gn se alt. HQ-NQ at 98.9m
LV026	0	6.5	0	0	0	0	0	0	0						gravel colluvium consisting of reground fragments of qzSS at tu-qz altered qzSS.	
LV026	6.5	18.4	0	0	0	10	0	0	0.5			rcz dis			dolomite marble with diffuse sr-ol min. with veins and bands alt to sr rich clays. Rare ds vo? Or pos weathered sx? doZMRB has a pocked surface and large vugs.	
LV026	18.4	26.5	0	0	0	15	0	0	0.1			rcs mot		brc	rcz ZMRB with bands of XHB. doZMRB clasts ang-sub rounded with a sr or cb matrix. Minor bands of sr clays. Variable weathering zones of doZMRB weathered to do sands.	
LV026	26.5	36.2	1	0.5	0	1	0	0	0.1			rcz dis			mostly rcz doZMRB with 1 minor bands of sr cemented XHB. Po veins-very tarnished. Vuggy pocked surface. Diffuse patches of sr and ?vo.	
LV026	36.2	49.1	0.5	0	0	15	0	0	0.1			rcz		brc	hydrothermal breccia consting of clasts of doZMRB within a sr matrix (rare db-do matrix). Brecciation and sr increase dh. Pocked vuggy surface. Thin po veins.	
LV026	49.1	54.2	0	0	0	5	0	0	0.1			rcz mot			rcz img-icg doZMRB, ifg diffuse patches of sr min. og ferrous staining or og cb at end of unit. Sr veins/bands increase dh. Graded with unit below.	
LV026	54.2	58.3	0	0	0	70	0	0	0			mot		brc	srZXS with a relict breccia texture. Clasts of doZMRB relatively unaltered.	
LV026	58.3	61	0	5	0	10	0	0	0	lm 10; mn 2; cy 60;		mot bnd			mot clay rich in mon. bnd og-cm-gn clays with silicified clasts and bands. Dis mn. At 58.5 30cm band of lm? Minor lm veins throughout.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV026	61	64.5	0	0.5	0	10	0	0	0	0 lm 5; mn 2; cy 80		bnd mot	tnb-mdb		tnb-mdb bnd og ferrous cm and lm gn clays. Dis mn. Mon rich clay. Thin tnb-lam 20cm interval at 62.1m (pelite?).	
LV026	64.5	67.4	0	0	0	10	0	0	0	0 lm 15; mn 0.5; cy 60; mi 5		bnd mot	tnb-mdb		tnb clays consisting of og bn micaceous clays interbanded with og-cm clays. D bn-bk veins and bands of lm? Weathered sx?+ mt. bn mi increases dh btZHF?	
LV026	67.4	70.3	0	20	0	0	0	0	0	0 cy 70		bnd	tnb-mdb		poorly recovered og clay with siliceous clasts and bands- dis og clay needles?. Most of texture destroyed during drilling.	
LV026	70.3	75.1	0	0	0	10	0	0	0	0 80 cy; mn 2; lm 1		bnd mot			mot og and lime gn clays with dis mn. Bk-bn veins mn oxide?	
LV026	75.1	80.1	0	0	0	10	0	0	0	0 80 cy, mn 2		mot			oh-bn-gn ferruginous sr-rich clays with ifg dis mn and sr.	
LV026	80.1	106.9	0	0	0	0	0	0	0	0 ka 30		ppy			variable grainsized FG, dykes? Ppy, waterlogged. Fp mostly alt to ka. Bands and veins of Fp→tu. Freshening dh	
LV026	106.9	108.8	0	0	0	0	0	0	0			ppy euh		bkn	icg ppy qz+fp with interstitial bt-fp-qz. Fresh to weakly weathered very broken.	
LV027	0	19	0	0	0	0	0	0	0							
LV027	19	47.6	0	0	0	30	0	0	0	0 cy 70				brc	kk coloured surface, but core actually bl-gn-gy cy alt. silt-grave with some angular clasts. SST protolith? Highly sr altered gone to clay.	
LV027	47.6	52	0	0	0	1	0	0	0				lam-mdb		vuggy doZRB sections & fragments weathered to do-sand in places; sand stained gy by drill washings?	
LV027	52	55	0	0	0	30	0	0	0	0 cy 50				brc	cy-alt srZXS + minor XHB w clasts of relatively unaltered, pitted, doZMRB ±6cm. Sr+cb cement	
LV027	55	59.4	0	0	0	10	0	0	0	0 cy 90				brc	puggy soft clay w/ remnant serpentinised fragments + brc texture in places; steaky in rest of interval. Increasing cy-alt and darker colour downhole	
LV027	59.4	61	0	0	0	0	0	0	0			grn			washed out, poorly consolidated subangular polycrystalline quartz grit in dbn silty clay matrix	
LV027	61	63	0	0	0	0	0	0	0						advanced casing; dropped down to NQ	
LV027	63	80.5	0	0	0	0	0	0	0	0 cy 95		mot			ex. Poor recovery (<1m for whole interval); ~20cm puggy grey clay, otherwise a few rounded and redrilled cobbles of quartz and griesen	
LV027	80.5	89.4	0	0	0	0	0	0	0	0 cy 90		lam spt	lam-tnb	brc mcf	streaky cm-yw-gy clay w/ occ. Rd streaks. Poor recovery initially but improves downhole as material freshens slightly. Some brecciated beds- -from drilling?	
LV027	89.4	94.3	0	0	0	0	0	0	0	0 cy 90		mot			ex. Cy-alt core w/ remnant chippy texture	
LV027	94.3	95.2	0	0	0	0	0	0	0	0 cy 90		mot lam hrn			sharp boundary w/ bn+cm cy w/ remnant hrn texture(?) in two zoens separated by streaky cm-og clay	
LV027	95.2	97	0	0	0	0	0	0	0	0 cy 90		lam mot			SST? Mot cm-og clays with remnant chippy textre in places	
LV027	97	99.1	0	0	0	0	0	0	0	0 cy 95		mot			mixed interval of puggy og clay, coherent bn-gy clay that breaks similar to ST with flaked fracture surfaces, and chippy cm-og clay. Mixed SST+ST?	
LV027	99.1	101.6	0	0	0	0	0	0	0	0 cy 90		lam spt	lam	mcf	puggy gy clay w/ remnant lam texture. Minor pgy bands w/ dgy spt. Mcf cm-wt veins gone to clay	
LV027	101.6	104.5	0	0	0	0	0	0	0	0						
LV027	104.5	105.8	0	0	0	0	0	0	0	0 cy 95		mot			mixed puggy cm + og cly streaks. Textures destroyed on handling	
LV027	105.8	115	0	0	0	0	0	0	0	0 cy 90		lam spt			~40cm yw-bn cy w/ flaky ST breaking texture becomes gy lam w/ spt bands in places (as above)	
LV027	115	116.5	0	0	0	0	0	0	0	0 cy 90					similar flaky ST fracturing clay w/ distinctive gold sheen to smushed clay. Cy-alt pebble clast shapes preserved in places	
LV027	116.5	118	0	0	0	0	0	0	0						washed out qz-lithic angular coarse well sorted sand-grit in clay matrix; some lithics weakly magnetic	
LV027	118	119.5	0	0	0	0	0	0	0							
LV027	119.5	124.5	0	0	0	0	0	0	0	0 cy 90					yw-bn + cm+og gritty clay; bkn. Textures destroyed. Freshens downhole to gy gritty cy-alt SST	
LV027	124.5	130	0	0	0	0	0	0	0	0 cy 40 lm 20				bkn	well broken, non-magnetic fine sandy clay & lm cemented fragments = weathered ZXS? ~30cm clay weathered granite from 126.4m, then fine micaceous silty clay	
LV027	130	131	0	0	0	0	0	0	0							
LV027	131	139.5	0	0	0	0	0	0	0	0 cy 10 lm 5	fp→cy	grn			cy-alt. FGRA w/ alternating sub-1m zones of more Fe stained clay. Freshens dh w/ minor to lam at 139m	
LV027	139.5	151	0	0	0	0	0	0	0	0 cy 1	fp→se	ppy grn			ppy fp in icg qz-fp-bt groundmass	
LV028	0	6.2	0	5	0	0	0	0	0	0 cy 15 lm 1	mt→he	lam dis rcz	lam	bkn	he stained rd-bn weakly silicified(?) lam St, spt w/ rcz vfg aggregates that break apart on scribin--ZHF? ww to soft pk-gy-og. Well broken. Redrilled fragments at top of hole	will be updated pending reserarch
LV028	6.2	17.5	0	5	0	0	0	0	0	0 cy 15	mt→he	lam dis rcz	lam	bkn	same as above w/ minor fresh bands dgy-bn, non-reactive w/ HCl. Rest ww to pale bn-pk-gy. Lam + dis py. Core scribes to fine silt--brittle rcz or original sed?	will be updated pending research
LV028	17.5	18.5	0	0	0	0	0	0	0							
LV028	18.5	20	0	0	0	2	0	0	0	0 cy 80		lam			cy-alt cm rock w/ gy drill wash exterior + dgy streaks shiny grn mt. sr→cy +ifg mi toward EOI. Weathered ZMRB. Fragments cy-alt ST toward base	
LV028	20	22.5	0	5	0	0	0	0	0		mt→he	lam mot bnd dis rcz	lam	bkn	weakly silicified lam ST (as above) w/ mt→he in streaks + gn bands of weak cl(?) alt.	
LV028	22.5	62.4	0	5	0	0	0	0	0	0 cy 0.5	mt→he cl→cy	lam dis rcz	lam-tnb	mcf bkn	weakly silicified ST(?). Fresh version of previous units. cl-cy coated fracture surfaces/veins, + encrusting and veinlet py further downhole. Minor bands bt alt. lam disrupted & swirly in places = rcz. Spt band of pk altered granules(?) in soft bn micaceo	
LV028	62.4	83	0	6	0	0	0	0	0	0 cy 1	mt→he cl→cy	lam dis grn rcz	lam-tnb	frc bkn	zones mod. Frc/bkn. Surfaces coated w/ cy-cl ± py ± fibrous-psm to 3mm of soft wt min. Non-HCl reactive and non-salty = gypsum? Py encrusting surfaces, dis, or forming coarsely granular masses amongst cy-cl or qz veins. Facing difficult to determine.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV028	83	87.7	0.5	10	0	0	0	0	0		mu→cy	lam rcz dis	lam-tnb	frc	minor frc. Dis py + bt. Increasing ifg rd-bn flakes = bt; some flaky wt min on frac. Surfaces = mu? Facing difficult.	
LV028	87.7	90.2	1	10	0	0	0	0	0			lam dis rcz	lam-tnb	frc ftz	facing difficult to determine due to rcz→coarser grained alt following coarser grained zone of beds or vice versa? Dis + vein + trace patches po. qzSST→btZHF. Mostly frc, some coherent zones	
LV028	90.2	91	0	0	0	0	0	0	0							
LV028	91	95	0	10	0	0	0	0	0	0.5		lam mot dis rcz		frc ftz	well frc qzSST w/ thick cl on frc surfaces + wispy lw ± tu alt. Veining. Minor bands cm-pk px±ax(?) alt.	
LV028	95	95.8	0	0	0	0	0	0	0						"water" on core block	
LV028	95.8	99.8	0	10	0	25	0	0	0			mot		hbr	extensively alt + veined ZMRB hbr. Faintly pitted in places. Weathered to SAND at 97.4m + contaminated. Og sub-vitreous min on frac surfaces	
LV028	99.8	103.4	0	5	0	40	0	0	0			mot		slk hbr	ex.veined ccdZMRB. Sr mostly gn but pbl in places, + og?. Minor icg mi.	
LV028	103.4	108	0	0	0	0	0	0	0					ftz	doZMRB XFB on its way to XFC from 105.6-106.8m	preliminary summary log
LV028	108	108.7	0	0	0	0	0	0	0							
LV028	108.7	110.7	0	0	0	0	0	0	0							
LV028	110.7	111.7	0	0	0	0	0	0	0						well frc + bkn doZMRB, going to XFG in last 15cm	
LV028	111.7	113.7	0	0	0	0	0	0	0						XFB→XFC doZMRB to 112.7m, followed by XFB qzSST fragments to 113.7m	
LV028	113.7	114.7	0	0	0	0	0	0	0							
LV028	114.7	116	0	0	0	0	0	0	0					ftz	mixed fragments of cy-alt. doZMRB + qzSST w/ some minor img mi adhering to frc surfaces. ~10cm gn-gy semi-gouge at EO!	
LV028	116	117	0	0	0	0	0	0	0							
LV028	117	122.2	0	0	0	3	0	0	0			mot rcz		frc	weakly sr0alt img doZMRB. Ifg py forming crusts →2mm thick on frc surfaces. ZMRB vuggy where ww. Minor redrilled fragment contamination	
LV028	122.2	140	0	0	0	5	0	0	0.5			mot rcz	lam-tnb		doZMRB mot w/ pgn, gn & pk-bn sr, assoc. Cc/cb alt. Trace small patches of lw, ifg py encrusting fracture surfaces near SOI. Diffuse tranisition between more gy and more wt ZMRB zones. Vein density increasing in last ~1m.	
LV028	140	143.9	0	0.5	0	25	0	0	0			mot rcz		slk	ex. Veined & rcz doZMRB. Dgn, pgn-yw & pk-bn sr in mot streaks w/ ifg-img cb that is weakly reactive in cold HCl. Veins have common orientation	
LV028	143.9	150	0	0	0	2	0	0	0			rcz mot		frc	coherent sections doZMRB amongst subrounded & redrilled chips-cobbles. Weathered to sand in places. Cc+ gn cb alt & veins	
LV028	150	173.3	0	10	0	15	0	0	1	lm 0.5		rcz mot		frc hbr bkn	ex. Well frc & veined ww doZMRB w/ vuggy silicified sections & short voids. Some coherent sections = hbr, others ex. Sr alt. Core weathered to do-sand in places	
LV028	173.3	178	0	60	0	10	0	0	0			rcz mot			og-stained silicified fragments. Poor recovery + some redrilled contamination. Minor granular sections weakly magnetic	
LV028	178	187.3	0	5	0	0	0	0	0	cy 70 mn 0.5	cb→lm cb→cy	grn			ex. Cy-alt & lm-stained doZMRB; some sections w/ orig. text. Preserved, others distrubed by drilling to fluffy, grainy, weakly magnetic clay. Dispersed silicified fragments	
LV028	187.3	190.7	0	0	0	0	0	0	0						NREC except for a handful of silicified + ZMRB fragments	
LV028	190.7	192.4	0	0	0	0	0	0	0			mas			mas yw-og cy w/ streaky bands containing sr→cy & trace grn mt. Weathered minor skarn? Or eroded skarn fragments?	
LV028	192.4	201	0	0	0	0	0	0	0						boulders & fragments of silicified ZMRB & he-alt qzSST w/ gravels + grains of cy-alt fp, ph & trace mt	
LV028	201	202.7	0	0	0	0	0	0	0							
LV028	202.7	203	0	0	0	0	0	0	0			aci			fragments of aci lm-cemented, weak-moderately magnetic RGOS	
LV028	203	210.5	0	0	0	0	0	0	0			aci mot			ex. Cy-alt ZXS w/ streaks of bn-bk & cm. Micaceous, trace octahedral grains, aci mt & cy-alt cb(?)	
LV028	210.5	225.2	0	0	0	0	0	0	0	cy 90		mot			mixed yw-bn cy w/ bn streaks & small patches of mixed aci & grn mt. Streaks & bands dominantly rd-pk = he? Trace rounded granules and pebbles. No yw mi. Interval entirey karst fill with mixed ZXS erosional origin?	
LV028	225.2	225.5	0	0	0	0	0	0	0			grn			vuggy band of img platy dgn, soft mi→ph? No common orientation of crystals. Minor blebs of gy-bn-rd he	
LV028	225.5	226.5	0	0	0	0	0	0	0	cy 70 lm 1		mot			streaky cm, rd-pk clay w/ patches of icg cb(?) Cleavage right, but HCl non-reactive even when powdered). Streaks of dgn ifg mi, some fp grains & trace qz granules.	
LV028	226.5	235.5	0	0	0	0	0	0	0	cy 50	fp→cy	grn			weather FGRAwith zones of variable grainsize & minor bnds streaky og-rd = he-cy. Trace tu grains.	
LV029	0	15.5	0	0	0	0	0	0	0							
LV029	15.5	19	0	0	0	40	0	0	0	cy 40		mot		bkn	much of interval reduced to mushy clay. Coherent sections dbl-gn-gy w/ dgy streaks + wt fg specks. Mw sr-alt ZMRB? Remnant cy-alt ZMRB fragments = contamination?	
LV029	19	23.4	0	0	0	40	0	0	0	cy 40		mot			mostly coherent cy-alt srZXS	
LV029	23.4	27	0	0	0	40	0	0	0	cy 40		mot		bkn	well bkn cy-alt srZXS, kk coloured in places. Dgy steaks, nonmagnetic	
LV029	27	29.2	0	0	0	40	0	0	0	cy 40 mi 0.5		mot			cy-alt srZXS + sr-alt XHB; healed +clastic + sandy in places. Dgy streaks, trace icg mi. Mostly coherent	
LV029	29.2	30.3	0	0	0	20	0	0	0	cy 20		rcz		ftz frc	frc doZMRB w/ minor XFG(?) wt cy from 29.5-29.55m. Zone of mushy cy-alt srZXS from 29.8-30.0m	
LV029	30.3	39.2	0.5	0	0	3	0	0	0	lw 0.5		rcz spt mot dis			mot pathces + streaks sr-mt-cc alt. Streaks + spots of po, dis py, trace lw.	
LV029	39.2	43.3	0	2	0	15	0	0	0	lw 0.5		mot aci rcz	lam		increased sr-cb-qz alt. Icg aci v.weakly reactive cb(do?). doZMRB w/ ~1m zones of intense sr-cb alt/rcz, separated by ~2m zones of less alt. ZMRB	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV029	43.3	45.8	0.5	3	0	2	0	0	0	0		rcz dis mas			mas looking gy doZMRB + minor sand seam (not recovered). Minor sr-cc veining. ~30cm qz vein from 45.5m	
LV029	45.8	49.5	0	0	0	0	0	0	0	0						
LV029	49.5	64	0.5	0	0	0.5	0	0	0	0		rcz mas			mas gy doZMRB ww to wt in places & punctuated w/ sandy seams ≤1m. Trace sr-cc alt. In veinlets + small patches. Dis + streaks of trace mt + po	
LV029	64	67	0	0	0	5	0	0	0	cy 90					stiff, puggy cy w/ cy-alt rounded granules-pebbles, pgn-gn w/ minor sr preserved	
LV029	67	71.1	0	0	0	0	0	0	0	cy 100					very disturbed by drilling (dri washigns?) & contaminated w/ redrilled rock and organic fragments	
LV029	71.1	73	0	0	0	0	0	0	0	0					angular qz granules in bn-gy fine silty clay matrix	
LV029	73	78	0	0	0	0	0	0	0	0					a few fragments doZMRB = contamination? HQ→NQ at 78.0m	
LV029	78	79	0	0	0	0	0	0	0	0					mas-weakly lam doZMRB w/ mot cc alt, trace sr & dis po. Vuggy in places. Small blebs lw.	
LV029	79	87.3	0.5	0	0	1	0	0	0	lw 0.5		mot dis rcz	lam-tnb			
LV029	87.3	98.4	0.5	0	0	3	0	0	0	lw 2		lam mot rcz	lam-tnb	frc	weakly vuggy, bedded doZMRB; bedding defined by ivtg lw+sr+mt(?). Blebs of lw.	
LV029	98.4	103.3	0	0	0	3	0	0	0	lw 0.5		mot rcz	tnb-mdb		bedding largely obscured. Patchy cc-sr alt.	
LV029	103.3	114.2	0	0	0	3	0	0	0	lw 1		mot rcz	tnb-mdb	frc	vuggy doZMRB, weathered coarsely porous around numerous fractures. Stained og by clay drill washings?	
LV029	114.2	123.8	0.5	0	0	3	0	0	0	lw 0.5		mot lam rcz	lam-tnb			
LV029	123.8	129.8	0.5	0	0	3	0	0	0	lw 0.5		mot rcz	lam-tnb	frc	poorly defined bedding. Minor ww frc zones	
LV029	129.8	134.3	0	0	0	30	0	0	0	cy 40 lm 10 mi 10		mot			ex. Cy-alt breccia w/ significant remnant sr + minor ifg mi (sr?) and relict mas mt	
LV029	134.3	135.6	0	0	0	10	0	0	0	cy 40 lm 20	mt→he	mot			similar to previous interval exc. Lack of sr-alt overall. Magnetic maroon streaks mt→he, some coherent clastic material, reduced to fluffy RCLY in places.	
LV029	135.6	140.5	0	0	0	0	0	0	0	cy 60 lm 15	mt→he	mot			ex. Cy-alt intervals of crumbly og, lm-stained cy w/ occasional streaks ifg mt→he ± pgn cy, as well as drill disturbed "fluffy" og gravelly clay	
LV029	140.5	142	0	0	0	0	0	0	0	cy 90 mi 1		lam			lam og+cm micaceous cy. Subrounded qzST fragments = contamination. V-poor recovery	
LV029	142	143.3	0	0	0	0	0	0	0	cy 70 lm 10 mi 1	mt→he	mot lam			cm-og cy w/ bn lm bands. Some clastic zones of bn cy w/ cm veinlets + wt + pgn cy	
LV029	143.3	146.2	0	0	0	0	0	0	0	cy 90 lm 5		lam mot			ex. Cy-alt. lam-streaky cm+og cy w/ vibrant pgn cy veins + speckled cm in bn veins & bands. Dbn lm nodules	
LV029	146.2	150.9	0	0	0	0	0	0	0	cy 70 lm 2 mn 0.5	mt→he	lam mot			mixed cy-lt interval: 1. Cm-og+pgn+bn cy ± speckled cm-in-bn veins = ZXS? 2. cm+bn streaky cy = ZHF? 3. bn micaceous cy w/ cm veinlets + dis ifg mt. Some pebbles + organic contamination	
LV029	150.9	156	0	0	0	0	0	0	0	cy 70 lm 3	mt→he	lam			yw cy w fine bn stretched fishnet-like texture too coarse for hrm? Bn streaks becoming bn lam micaceous cy w/ dis mt.	
LV029	156	158.6	0	0	0	0	0	0	0	cy 70 lm 3	mt→he	lam			streaky cm+og cy w/ bn cy bands & clusters of ifg mt→he	
LV029	158.6	161	0	0	0	0	0	0	0	2 lm 85	vo→mt mt→he	aci			porous lm cemented fragmetns. V. Poor recovery. Aci mt→he after vo. Minor og cy. Contaminated interval? RGOS after voZXS?	
LV029	161	162.1	0	0	0	0	0	0	0	0						
LV029	162.1	162.8	0	0	0	0	0	0	0	cy 90	fp→cy	grn			ifg ex. Cy weathered granite	
LV029	162.8	164.6	0	0	0	0	0	0	0	0						
LV029	164.6	166.5	0	0	0	0	0	0	0	cy 90	fp→cy	grn			cy-alt ifg granite; qz-granules fining downhole.	
LV029	166.5	167	0	0	0	0	0	0	0	cy 80 lm 2	mt→he	lam dis			lam micaceous cy w/ dis mt→he. Bn, rd + og lam. Numerous remnant fracture surfaces	
LV029	167	168.3	0	0	0	0	0	0	0	cy 90	fp→cy	grn			cy-lt icg granite w/ minor he veinlets. Clast of tu±qz = greisen contamination? Remnants of tu veins?	
LV029	168.3	170.5	0	0	0	0	0	0	0	0						
LV029	170.5	172	0	0	0	0	0	0	0	cy 90	fp→cy	grn			ex. Poor recovery. Cy-alt. Granite contaminated w/ tu fragments = griesen	
LV029	172	174	0	0	0	0	0	0	0	0						
LV029	174	177	0	0	0	0	0	0	0	cy 80	fp→cy	grn			ifg granite w/ minor ~10cm bands streaky bn+wt+rd micaceous clay. No mt. V. Poor recovery	
LV029	177	179	0	0	0	0	0	0	0	0						
LV029	179	182.5	0	0	0	0	0	0	0	cy 80	fp→cy	mot grn			pbn-gy micaceous + finely qz-granular clay w/ cm+rd streaks = weathered ivtg granitic composition rock? Zones of img cy-alt FGRA. Poor recovery	
LV029	182.5	184	0	0	0	0	0	0	0	0						
LV029	184	188.2	0	0	0	0	0	0	0	cy 80	fp→cy	grn			variable grainsize zones of cy-alt granite. Poor recovery	
LV029	188.2	189.3	0	0	0	0	0	0	0	0					cy-alt granite w/ icg qz preserved + minor zones icg bt to 2mm. Poor recovery	
LV029	189.3	190.4	0	0	0	0	0	0	0	cy 80	fp→cy	grn				
LV029	190.4	195	0	0	0	0	0	0	0	0					cy-alt. Granite, disturbed by drilling. Poor recovery	
LV029	195	195.8	0	0	0	0	0	0	0	cy 85	fp→cy	grn				
LV030	0	4										grn		frc	drilled boulders of qzSS & ZGRS	
LV030	4	11.5								cy 40		grn			angular qz granules densely distributed through clay. Trace tu & ZGRS granules & pebble. FGRA weathered in situ? Or FGRA-derived weathered sediment?	
LV030	11.5	13														
LV030	13	15.3								cy 30		grn			repeat of previous FGRA w/ relict crumbly fp. No bt or mi...eroded FGRA?	
LV030	15.3	17														
LV030	17	18								cy 30		grn			~10cm ZGRS cobble contaminated FGRA SAND followed by ~20cm dgy clay concolidated qzSS breccia, followed by ~20cm frc qzSS.	

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Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
LV030	18	19													short section of only slightly bkn qzSST	
LV030	19	22												bkn	well bkn qzSST; some section = blocks consolidated in mix of gy cy & fragments; remnant cyRB or compacted drill washings? Some redrilled fragments/contamination.	
LV030	22	23														
LV030	23	23.8													well broken qzSST with fragments ≤5cm	
LV030	23.8	24.5														
LV030	24.5	25													well broken qzSST with fragments ≤12cm	
LV030	25	26.4														
LV030	26.4	27.4													well broken qzSST with fragments ≤8cm in cy matrix	
LV030	27.4	29														
LV030	29	37													variable clast-sized cyRB. Yw-bn cy supported, mostly coarse qzSST fragments w/ trace sfg mt→he (weakly magnetic), mi (ph?), rounded ivfg pyw qz-alt grains (chert?), cy-alt fp & trace he staining. Two thin bands cy-alt FGRA = boulders? Dykes?	
LV030	37	47.5												frc bkn	qzSST fragments. Numerous redrilled. Weakly he-lm stained. Coherent sections <30cm	
LV030	47.5	54.1													cyRB dominated by qzSST clasts, w/ minor dbn clay patches & rd he staining	
LV030	54.1	58.4													change in clast composition to bn-kk cy-alt clasts, lesser rounded qzSST & minor cy-alt BA90FGRA fragments (decomposed fp + qz granules) & grn weakly he-alt grains. Matrix of dun yw & db cy w/ occasional wt flecks	
LV030	58.4	60.6		0.5						ph 70		mot			flakey CLY-ZXS composed of v. soft dgn gooeey cy-alt ph? Rd he streaks, minor ivfg cm-lyw grn streaks & blobs of lpl ivfg grn ax(?) toward EOL. Ivfg mt seen on disaggregation in water	
LV030	60.6	63.6								mi 1		mot			(RCLY) gradatioal change from previous interval; clay becoming lgy & losing flakey text. Trace pl grn blobs remain & streaks of ifg flakey bl-gn ph appear + minor cl streaks. Weathered, slightly alt + veined ZMRB?	
LV030	63.6	65														
LV030	65	68.5										mot			gradational colour ransition in fine sandy clay. Quartz chips = contaminaion? Vw ZMB?	
LV030	68.5	70														
LV030	70	71													gy fine sandy clay w/ irregular corroded clasts of weathered ZMRB (cm w/ gy streaks) scattered through.	
LV030	71	72.1										grn			well sorted fine do(?) sand; wt-cm grains with good cleavage, cold HCl-. Chunks puggy gy clay = conamination from previous intervals?	
LV030	72.1	73.9					5					mot			fragments of ZMB w/ coherent sections of fragment-fragment bearing cm-gy clay w/ dgn streaks = weathered doZMB w/ relict sr veins?	
LV030	73.9	76.5								mi 1		grn			fragments of vuggy doZMRB w/ trace gy veins in places. Washed out sandy zones contain img flakey ph & race gn granules of sr?	
LV030	76.5	78.6					1			cy 95					ZMRB completely altered to clay w/ relict sr(?)→cu veins	
LV030	78.6	80.2														
LV030	80.2	82													pytitised fragments of doZMRB(?) where all do weathered out to leave only honeycomb-like ivfg py shell. ~20cm doZMRB at end of interval weathering to do sand	
LV030	82	83.5														
LV030	83.5	90.3		50						2		mot			vuggy, mostly well-silicified ZMRB w/ rcz euh crystals in voids, patches of ivfg py honeycomb & dgy streaks of silica-engulfed lw? Odd patches of octahedral drd grains at 87.6m; weathering rounded, lyw streak, quite soft	
LV030	90.3	93.4					70					mot			cy-altered, img ph-veined & extensively sr-alt ZMRB(?). Better texturally preserved equivalent of 60.6-63.6m interval	
LV030	93.4	110					2			2 tc 40 mi 1		spt mot aci		frc bkn	mixed fragments & cy-consolidated sections: minor silicified ZMRB, but mostly soft, silky tc(?) dominated rock; spt, variable dgy matrix (qz?) or wt matrix (do?) w/ dgy mi-alt spt. Weakly developed foliation in some fragments?? Trace aci wt mineral on som	get second opinion
LV030	110	112.6		90								mot sp aci		frc bkn	vuggy, silicified fragments; some w/ well developed dgy spt, wt aci min, or both. Trace py encrusting some frc surfaces. Silicified ZMRB?	
LV030	112.6	115.3													mixed interval composed mostly of tc- + qz- granules in fs-cy matrix; sections of tc- & silicified bkn core & redrilled fragments. Trace py encrusting some surfaces. Trace dispersed ph & wt mi.	
LV030	115.3	132.4		2								lam dis	lam		well bedded coherent qz-wacke. Qz veining decreases dh. Dis py	
ML133	0	3		0	0		0		0	0					cored sfg ss- weathered to og-FeOH clays and clay coated frags.	
ML133	3	19.1		0.5	0		0		0	0				tnb-mdb	variably broken SST og clay weathering on fracture surfaces.	
ML133	19.1	23.5		1	0		0		0	0		mot		tnb-mdb	scg-st weakly developed btZHF w/ am-px-po bands and blobs. Weak magn.	
ML133	23.5	26.7		2	0		0		0	0				tnb-mdb	weakly bt alt st-smg SSTw/ intense network of irreg cl-qz-po-py veinlets w/ minor patchy weak px selvages.	
ML133	26.7	29.7		1	0		0		0	0				tnb-mdb	weak bt alt st-smg SST	
ML133	29.7	34.7		2	0		0		0	0				mdb	weakly developed btZHF with qz-am-cl-po veinlets minor px selvages. 10cm thick amZHF band.	
ML133	34.7	36.4		2	0		0		0	0		mot		tnb mdb	btZHF qz-am-po irreg veinlets, minor px-am ZHF patches coincident with increased vein density. Hairline po veins.	
ML133	36.4	38.7		5	0		0		0	0		mot mzn		tnb mdb	pxZHF w/ am alt and lesser btZHF. Rnd blobs of conc po+am with wt px halos. Abundant irregular pervasive am+po+qz veinlets.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML133	38.7	42.1	10	0		0		0	0			mzn mot	lam-tnb		st-scg btZHF w/ strong mineral zoning along fine lam. Patchy brecciation where veining is intense. d/s po, am-po-cl veins and conc po alt bands.	
ML133	42.1	46	2	0		0		0	0			mot	mdb		sfg-scg minor bands of st. grading, soft sed def. irreg am+po+qz veining with px selvages.	
ML133	46	48	2	0		0		0	0				mdb	frc	weakly bt alt st-scg SST. Minor patches of pxZHF developed around 1-5mm irreg po-qz-am-cl veins. Minor gn px am po bands.	
ML133	48	50.6	2	0		0		0	0			mot mzn	mdb		st-smg SS with an anastomosing network of cl-qz-am+po veinlets w/ px selvages. Where vein density high and veins thicker pxZHF developed.AJ69	
ML133	50.6	55.9	0.5	0		0		0	0				mdb		st-scg d gy lithic wacke with weak bt + cl alteration hairline cl veinlets. Minor qz-cl-am veins. Soft sed flame structures and rip up clasts.	
ML133	55.9	63.1	0	0		0		0	0				tnb-mdb	frc	fractured st-smg breccia with abundant cc-cl filling fractures. Weak bt and cl-px alteration weak magnetism.	
ML133	63.1	94.9	0	0		0		0	0				lam-mdb	mcf	st-scg broken d gy SST, mod magnetism. Concordal fracture. Thin hairline cl veins. Rip up clasts and soft sed flame structures. Slump?	
ML133	94.9	100.3	0	0		0		0	0			spt mot	lam-mdb		st-smg SST with bands of px-am alt. 1.5-40cm thick. Spotted am in wt px. Rare am-qz-cl veinlets. Rip up clasts and soft sed def. mod magn.	
ML133	100.3	111.2	0	0		0		0	0				tnb-mdb	mcf	st-smg SST cc-cl veins minor pale px selvages. St rip up clasts, flame structures. Mod magnetic.	
ML133	111.2	127.1	0	0		2		0	0			spt	tnb-mdb	frc	broken st-smg SST. At 113.0m irregular network of am-qz-cl veins. Rare am-px spotted alt bands + trace py. Patchy weak-mod magn.	
ML133	127.1	130.5	0.5	0		0		0	0				mdb	frc	st-sfg with anastomosing network of am-qz-cl±po±py veins. Non magn. lcg eu cl+cc. weak px-xl halos.	
ML133	130.5	146.7	0	0		0		0	0				lam mdb		st-scg SST. Thin hairline cl veins. Graded. Rare d/s py. Soft sed flames and rip up clasts. Erosive bed bases. Patchy weak-mod magn.	
ML133	146.7	150.9	0	0		0		0	0			mzn mot	lam mdb		st-smg SST with minor spots and patches of gn-cm am-cl-px alteration. Cl+cc and rd veins.	
ML133	150.9	159.3	0.5	0		0		0	0				tnb-mdb	frc slk	broken st-smg SST. Fractured and healed with cc, rd and cl. From 153.7-155.6m irregular network qz-am-cl±po±py. Weak patchy magn.	
ML133	159.3	162.7	0	0		0		0	0				tnb-mdb	ftz frc	intensely fractured partially cohesive fault breccia. Healed by cc, cc and rd. Cl altered. Minor patches of pale alt px? Or leaching?	
ML133	162.7	164.4	1	0		0		0	0			mot	mdb	frc	st-sfg SST broken with patches of intense qz-cl-am-po veining within weak px-cl alt bands. Non magn.	
ML133	164.4	167.5	0.5	0		0		0	0				mdb		st-sfg SST w/ weak bt alt, hairline cl veins, rare po+cl+am veinlets. Patchy weak magnetism.	
ML133	167.5	203.2	0	0		0		0	0				tnb-mdb		st-scg SST. Rip up clasts + soft sed def. rare am-qz veins. Weak-mod magnetism.	
ML133	203.2	206.8	2	0		0		0	0			mot mzn	tnb mdb		btZHF with patches and bands of am-px ZHF. Minor po-am-qz veins. Po occurs conc in bands.	
ML133	206.8	209.2	2	0		0		0	0				mdb	mcf	btZHF(st) with irregular hairline-1.5cm thick qz-po irregular veins.	
ML133	209.2	216.8	2	0		0		0	0			mot mzn		mcf	sfg-scg banded and mot alt. pxZHF(mod alt by am) with lesser intervals of btZHF. Conc po bands. Brecciated at 136m py+qz healing. Strong min zoning at end of unit. Am veins with strong am alt halos.	
ML133	216.8	219.9	0.5	0		0		0	0				mdb	frc	fractured weakly bt-px altered. Cl healing veins minor am-qz-cl±po veinlets. Non magnetic.	
ML133	219.9	222.9	1	0		0		0	0			mot	tnb-mdb		weakly bt-px alt sfg-st. intense network of qz-cl-am±po veins (ifg-img). Non magn.	
ML133	222.9	263.4	0.5	0		0		0	0				tnb-mdb		st-scg SST. Rare d/s py. Spotted bt mineralisation more abundant and the end of unit. Patchy weak magn.	
ML133	263.4	266.4	2	0		0		0	0			mot	tnb-mdb		weakly developed btZHF with lesser pxZHF altered by am. St-scg (coarser material alt to lighter px-am assemblages).	
ML133	266.4	270	1	0		0		0	0				mdb		st-sfg mostly btZHF with minor pxZHF at contact with gtveZXS	
ML133	270	272.1	2	0		0		15	0		gt→ve	mot pbl	tnb mdb		gt px with interstitial cc and po in a ifg gn matrix. Mostly eu pk-bn gts with marginal ve replacement. Veins of cc with eu tab radial bn ves. Minor pxZHF bands and granular bands of gt.	
ML133	272.1	280.7	5	0		0		0.5	0			mot mzn tad pbl	lam mdb	mcf	mot lam-mdb pxZHF with am alt and minor bands of btZHF. Rare gt-ve-px band at 279.5m. Band of ifg gn carbonate (ifg px+cb?), with minor band w/ a relict pbl texture of ifg gn material in a po matrix.	
ML133	280.7	282.5	1	0		0		0	0			mzn	tnb-mdb			
ML133	282.5	288.5	1	0		0		0	0			mot	tnb-mdb		st-scg SST with patchy strong bt alteration. Non magnetic. Strong soft sed def.	
ML133	288.5	291.9	5	0		0		0	0			tad	mdb		st-scg SST alt to btZHF with minor bands and patches of am-px ZHF. Spotted and tad text am in px selvages. Patches of conc po alteration irreg am-po veins.	
ML133	291.9	298	0.5	0		0		0	0				mdb		st-scg SST weakly developed to btZHF. Minor am-qz-po irregular veins.	
ML133	298	305.8	5	0		0		0	0			mzn mot	lam-mdb	mcf	st-scg px-am ZHF and lesser btZHF. 298.0-298.6m intensely am-po veined-brecciated. Abundant bands and blobs of conc am+po with weak px halos. Bands of strong mn zoning.	
ML133	305.8	306.8	0.5	0		0		2	0		gt→ve	pbl mzn	tnb-mdb		am-px banded ZHF with minor band of gt-px-ve ZXS	
ML133	306.8	307.9	1	0		0		20	0		gt→ve	pbl			strongly pbl gt-px-cc ZXS with eu gts in an ifg gn px-cc matrix. Gt have been partially replaced by ve (dark alt rims).	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML133	307.9	316.7	0.5	0		0		0	0			mzn mot tad	lam-mdb		am-px ZHF with marginally lesser btZHF, st-smg. Bands and rounded blobs of conc po±am±qz with wt px halos. Ifg spotted am+ po mineralisation in a wt px groundmass. Irregular pervasive am-po veins.	
ML133	316.7	319.8	0.5	0		0		0	0				lam-mdb	frc	as above- fractured with cl-cc-py healing fractures. d/s po	
ML133	319.8	321.1	5	0		0		30	0		gt→ve	pbl	tnb-mdb	frc	fractured gtveZXS eu and granular gt's in a ifg gn px-cc matrix. Bands and relict patches of unaltered calcareous SS.	
ML133	321.1	321.4	0	0		0		0	0					ftz	strongly brecciated/gouged gtveZXS? Alt and coated with cl.	
ML133	321.4	329.7	2	0		0		0	0				tnb-mdb	ftz frc	strongly brecciated btZHF and SST with some cohesive bands of cataclasite. Cl coatings and cl-cc healing fractures.	
ML133	329.7	343.2	0.5	0		0		0	0				tnb-mdb	frc	st-scsg SST spotted bt mineralisation, non magnetic. Rip up clasts and soft sed def-slump.	
ML133	343.2	345.7	0.5	0		0		0	0			mzn tad lam	lam-tnb	mcf	pxZHF with rounded am+po concentrated blobs and bands, spotted am+po minerals with wt px halos.	
ML133	345.7	350.4	5	0		0		10	0		gt→ve	mzn lam pbl	lam-mdb	mcf	lam pxZHF with bands and veins of pbl and granular gt+cc+px (gt's partially replaced by ve) tab ve+cc in veins with trace sh.	
ML133	350.4	357	0.5	0		0		1	0			lam	tnb-mdb		ccSS with lesser horizons of lam st (alt px-cl-bt). Abundant cc veins, rare gt+cc+px+po irregular veins.	
ML133	357	359.8	0.5	0		0		30	0	sh 0.5	gt→ve	lam pbl orb	tnb-lam		ccSS with slightly greater intervals of gtveZMARB. Eu pb gt's partially replaced by ve. gn-bn tab eu ve radial. Abundant in a crystallised cc matrix.	
ML133	359.8	363.3	0.5	0		0		0	0			lam	tnb	mcf	sandy carbonate with siliceous st interbeds (alt bt+px) cc veins and rare cc+gt veinlets. Gy vitreous min in veins. Px? d/s ifg po.	
ML133	363.3	367.1	1	0		0		30	0	sh 0.5	gt→ve	pbl	tnb-mdb		bands of pbl eu gt's in a img cc + ifg px? Matrix, px-gt bands and tab rad gn-bn ve in matrix of cc +po and trace sh.	
ML133	367.1	378.1	5	0		0		0	0			mot	tnb-mdb	mcf	btZHF with lesser intervals of px-amZHF rounded blobs of conc am+po+qz with px halos throughout. d/s po and bands of conc po. Minor 10cm ccSS bed.	
ML133	378.1	380.5	5	0		0		20	0		gt→ve	orb pbl mzb	tnb	mcf	1. pbl gt (replaced to ve completely in places) with matrix of cc with minor px. 2. tab eu ve in img cc matrix. 3. ccSS 4. pxZHF 5. gt-px-ve bands (-cc)	
ML133	380.5	383.5	10	0		0		0	0			mzn lam mot	lam-mdb	mcf	pxZHF with bands of strong img am+po alteration rounded blobs of conc am+po with px wt halos. Spotted am + wt px.	
ML133	383.5	388.5	1	0		0		0	0			tad	tnb-mdb		btZHF with patch and banded	
ML133	388.5	411.3	1	0		0		0	0				tnb mdb		weakly alt svcg-st with stronger bands of am-px alt surrounding am+po+py+qz veins.	
ML133	411.3	413.5	0.5	0		0		0	0			mot	tnb-mdb	frc	weakly developed pxZHF with spotted am. Fractured and healed with cc, cl +rd	
ML133	413.5	437.3	0	0		0		0	0				lam-mdb		st-svcg SST weak bt alt. d/s mt. soft def def, slumping structures. Graded bedding. Erosive bases. Mod patchy mag	
ML134	0	11.1	0	0		0		0	0				tnb-mdb	bkn	st-scsg, broken SST with og clay weathering on fracture surfaces. Non magnetic.	
ML134	11.1	24	0	0		0		0	0				mdb		st scg, non magnetic	
ML134	24	27	0.5	0		0		0	0			bnd	tnb-mdb		st-scsg, weak bt and px-am alt bands ± po in centre of band. Scg bands with icg qz clasts. Non magnetic.	
ML134	27	38.4	0.5	0		0		0	0				mdb		st-smg w/ weak bt alteration, rare horizons with d/s py + po. Non magnetic. 35.2m 70cm horizon intensely veined by am+qz+cl+py w/ px halo.	
ML134	38.4	43.8	2	0		0		0	0			mot orb spt	mdb?	mcf	btZHF with lesser pxZHF (associated with increased po-am vein density). At 41.1m 30cm band orb like texture of px-am at 39.4cm breccia infilled by po. Pitted sx's.	
ML134	43.8	54	0.5	0		0		0	0			mot	mdb		weakly px and bt alt st-smg SST. Non magnetic. Irreg am+cl+qz±po±py veinlets.	
ML134	54	58.4	0.5	0		0		0	0			spt	tnb-mdb		st-smg, bt orbicules with qz rims. Minor bands and patches of px-am ZHF sometimes spt. +d/s po in px-am ZHF	
ML134	58.4	76.4	0	0		0		0	0			spt	tnb-mdb		st-scsg weakly bt alt. with minor qz+am+cl±po veins. Rip up clasts. Non mag.	
ML134	76.4	80.5	0	0		0		0	0			bnd	mdb		weakly developed btZHF (st-smg) with gn bands + patches of am-px alt.	
ML134	80.5	123.4	0.5	0		0		0	0			bnd spt	tnb-mdb		st-scsg mod bt alt, with horizons alt to btZHF. Minor gn am bands + pxZHF. Graded + rip up clasts. Spotted bt mineralisation. Patchy weak magnetism.	
ML134	123.4	143.7	0.5	0		0		0	0			bnd mot	tnb-mdb		st-scsg btZHF w/ bands and patches of gn-cm am-px±po alteration. rare po+am veins. Minor brecciated horizons healed by cc.	
ML134	143.7	148.4	0.5	0		0		0	0			mot	mdb tnb	ftz frc	btZHF (st-scsg) fractured with healed brecciated bands. Minor pxZHF where veins density high.	
ML134	148.4	158.4	2	10		0		2.5	15		gt→am gt→ve vo→mt	lam mot pbl			dom pbl am pb w/ aci vo+cc matrix, relict bands and patches of lam pxZHF.	
ML134	158.4	161	2	10		0		2.5	15		gt→am gt→ve vo→mt	lam mot sqp pbl			dom am-sd-qz-po-px-mt mottled with pbl, spk and psm qz-sd patches, some pbl am pb w/ aci vo+cc matrix, some relict cc-ve, relict bands and patches of lam pxZHF.	
ML134	161	166.1	2	10		0		0	0		am→bt	sqp lam wrg			1. msmt+cc+bt+sd, 2. mt+sd+qz with psm's of qz in sd matrix. 3. conc bands and patches of bt. Rare mt wriggites in py-sd. Unaltered patches of relict pxZHF.	
ML134	166.1	168.1	40	0		0		0	0	cs?, da 0.5	am→bt	wrg sqp			po-mt ZXS with equal proportions. Banded with minor conc bands of bt. Eu icg gn- yw fl. Eu wedged shaped da. Strong wriggilitic texture.	
ML134	168.1	175.6	50	0		0		0	0	da 0.5, cs?	am→bt	mas sqp			ms po with bt rich bands, icg fl and wedge shaped da. Cs- enveloped in po. Eu am replaced by bt.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML134	175.6	181.6	1	0		0		5	1		bt→am gt→ve ve-am	pbl lam spk			1. pl-gn-cm lam pxZHF with abundant am veins w/ am halos. 2. pbl am-mt-cc ZXS, 3. ve-px-cc pbl partially replaced by am. Relict gt's- with yw ve rims. minor patch of s+py	
ML134	181.6	184.3	5	0		0		18	0		gt→ve	pbl bnd		mcf	pxZHF mottled with am-po veins + gnam selvages with interbands of weakly developed pbl. Gt-ve in a px-cb matrix. Patches of matrix mostly po+py	
ML134	184.3	187.9	5	0		0		0	0			mot		mcf	mot pxZHF & btZHF with entwork of am+po±qz veins with am halos. Minor tad texture in btZHF	
ML134	187.9	192.4	5	0		0		15	0			mot pbl mzn	mdb	mcf	1. mot spotted am-px pxZHF pl wt gn with conc. po±am rounded blobs w/ wt px-halos. 2. weakly developed pbl gtve img ZXS px matrix alt. by am (strongly) dis po. 3. btZHF with <0.5mm po veins.	
ML134	192.4	199.8	7	0		0		0	0			mzn mot		mcf	btZHF w/ minor pl-wt-gn px ZHF developed around intense am-po veining or min; horizons of strong mzn; rounded blobs of am+po conc. Min. dis po.	
ML134	199.8	201.9	7	0		0		0	0			mot		mcf	weakly developed btZHF w/ dis and conc. bands of po min and am alt.	
ML134	201.9	204.3	7	0		0		0	0			tad spt mot		mcf	1.px-amZHF; cm wt px w/ abundant gn am-po spots, and veins strong tad texture. 2. minor btZHF bands	
ML134	204.3	220.3	0.5	0		0		0	0	tu 1	fp→tu		mdb-tnb	frc	weakly bt st-smg SST with 2 small fg-ifg-img dykes, 10 & 60cm thick. spt bt min.	
ML134	220.3	236	0	0		0		0	0				mdb	ftz frc	fractured st-smg SST w/ some fractures healed with cl-cc. spt cl-bt around veins?	
ML135	0	6.5	0												Broken and fractured gy SST at top of hole.	
ML135	6.5	56.5	0												Gy mdb sfg-smg lithic-wacke. Non-magnetic. Occasional thin bands of gn am? alteration. Irregular qz-cc veins.	
ML135	56.5	58.5	2							bt am po					Lt gn bn bt alt lm STUF w/ ds po, spotted blebs of po with am rims in bleached si bands.	
ML135	58.5	59.1	5							bt, am, po, si					bn-gn banded SST, bt-am altered with orbicules of po-am rims and wt si halos.	
ML135	59.1	64.9	1							bt, am, qz					SST bl-gn-bn bands am-bt alteration, non magnetic, lam, qz-cl veins with spotted px around veins. thin discontinuous rare am veinlets.	
ML135	64.9	70	5							am, qz, po, cpy					lt gn-cm bt-am alt STUF, lam, with banded and diss po, am veinlets? Spotted am-qz-po alteration, occuring as po-qz centres and am rims (70m)	
ML135	70	82.8	2												d gy sfg-scg lith wacke, non magnetic, irregular am-po-qz-cpy veins (<3cm)	
ML135	82.8	91.8	2							am, qz					fractured SST, non magnetic, intensely veined 20cm horizon at 84.9m- slightly bleached SST. Cl-cc veins, thin qz veinlets discontinuous contain rare po and cpy.	
ML135	91.8	102.9	1							py,					non magnetic SST with rare disseminated py. Veins of cl-cc. graded bedding shows younging down hole, wavy lamination in coarser material? Rip up clasts.	
ML135	102.9	106.1	1							bt, am, po					bl-gn-bn banded SST, with some rare po in centre of bands. Bt-am alteration in bands and circular spots. Veins of cl and minor qz-py	
ML135	106.1	114.6	0												d gy SST, SMG-ST, non-magnetic, cl-cc veins, spotted bl-gn alteration to px around veins?	
ML135	114.6	117.7	1							am bt					SST with thin 2-5cm gn-bn bands of bt-am alteration with disseminated sx's, within the alteration bands are qz-sx-am veins. Non magnetic.	
ML135	117.7	122.7	0							am bt					SST, weakly magnetic, bands of 2-5cm bt-am alteration	
ML135	122.7	134.4	1												non magn SST, SMG-SFG contains veins of cl-cc, qz-am and rare po-cpy-qz in thicker veinlets. Veins are offset by a stage of post-alteration micro faulting. Associated with veins is spotted px alteration?	
ML135	134.4	141.6	0												SST lithic wacke, weakly magnetic, smg-st. deformed by flame structures., rip up clasts of st in smg. Rare sb veins.	
ML135	141.6	148	1							px, am, po, qz					non magneric SST with banded alt of am-qz with diss po-py (1-10cm) . Cl-cc veins with spotted px alt sourounding veins.	
ML135	148	162	0							px					patchy mod-weakly magn SST (st-smg) with spotted px throughout coarser material. in SMG-SFG there are soft sed def structures that have distorted laminations and bed boundaries , rip up clasts of st in ss, cl-cc veins. Finely bedded laminated ST horiz	
ML135	162	169	0	0	0	0	0	0	0			spt	tkb		weak am spotting, minor small ripups in tk sandstone beds	
ML135	169	190.4	1	0	0	0	0	0	0			spt	tkb		weak am spotting, minor small ripups in tk sandstone beds	
ML135	190.4	191.8	2	0	0	0	0	30	3			brc	tnb-mdb		brecciated pxZHF with cement & veins of mid green ?vesuvianite, 10cm vonsenite band at 191.7m	
ML135	191.8	193.6	5	0	0	0	0	40	0		gt→ve	orb pbl	mdb		orbicules of vesuvianite tablets, wt cc & pale gngy carbonate as matrix	
ML135	193.6	198.9	5	0	0	0	0	20	3		gt→ve	grn pbl orb	tnb-mdb		granular magnetite with pbl texture possibly ex gt & ve, minor bands rich in vonsenite	
ML135	198.9	209.9	2	0	0	0	0	30	0		gt→ve	orb pbl	tnb		calcite veins to 50mmtk & calcite cemented breccias with pieces of gt & ve skarn wallrock fragments	
ML135	209.9	211.7	5	0	0	0	0	0	0				mdb-tkb			
ML135	211.7	214.8	2	0	0	0	0	50	0		gt→ve	pbl spt tab brc	tnb		abundant primary vesuvianite, 50mm cc-cemented breccia vein at 212.8m with kahki chl-se alt of wallrock	
ML135	214.8	221	10	2	0.1	0	5	0	0			sap wrg spk	tnb		ehudral scheelite around 215.3m, wriggites comprise bt-mt lams alternating with po-cc-fl lams, irregular patches of pale gn prismatic qz & siderite within the wriggites	
ML135	221	222.2	3	0	0	0	0	30	3		gt→ve	pbl orb	tnb-mdb		vensenite floods matrix around vesuvianite orbs	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML135	222.2	225.7	25	5	0	0	15	0	0			sqp wrg	tnb		qz prisms throughout, po forms matrix around qz prisms in some sulphide-rich zones	
ML135	225.7	227.6	3	1	0	0	10	20	0			pbl	tnb-mdb		gungy gn ?sericite alteration, note prismatic qz-sd vein cross cutting the PBL skarn	
ML135	227.6	233.2	30	10	0	0	40	0	0			sqp wrg	tnb		weak wriggilite texture in po bands, po is not magnetic	
ML135	233.2	235	1	5	1	0	20	0	0			sqp wrg	tnb			
ML135	235	240.9	10	10	0	0	40	0	0			sqp wrg pbl	tnb		wt cc veins cement brecciated sd skarn, prismatic qz in wt cc vein & relict orbicular vesuvianite texture overprinted by siderite-qz skarn	
ML135	240.9	242.8	10	0	1	0	20	0	0			pbl sqp	tnb		mixed SQP & PBL skarn on decimetre scale, note brown biotite alteration front like a tide mark across gt skarn	
ML135	242.8	249.7	5	0	0	0	0	30	5		gt--ve vo--mt	pbl brc	tnb		matrix in pbl ve skarn includes vo partly replaced by mt & granular mt in separate bands	
ML135	249.7	253.6	5	0	0	0	0	20	0		gt--ve	pbl brc	tnb-mdb		weakly cohesive calcite cemented & veined breccia of gtZXS, pxZHF & granular mtZXS	
ML135	253.6	256.2	2	0	0	0	0	0	0			brc	mdb		weakly cohesive wt cc-?lau cemented breccia	
ML135	256.2	262	5	0	0	0	0	0	0			mot spt	mdb		locally fractured	
ML135	262	265.8	5	20	0	0	0	0	0				tnb-tkb			
ML135	265.8	270.1	5	5	0	0	0	0	0			mot	mdb-tkb		minor grit & ripup beds	
ML135	270.1	282	5	30	0	0	0	0	0			mot	mdb-tkb			
ML135	282	287.6	5	30	0	0	0	0	0			mot	tnb-tkb			
ML135	287.6	293	5	0	0	0	0	0	0				tnb-tkb			
ML135	293	300.6	0	0	0	0	0	0	0				tkb			EOH 300.6m
ML136	0	25.9	0												fractured and broken SST (gy lithic-wacke) colluvium, fragments ground by drill. Weak patchy magnetism, fragments have og ferrous coating due to weathering.	
ML136	25.9	33.8	0												d gy SST st-sfg lithic wacke, with weak patchy magnetism, with cl-cc and sb veins.	
ML136	33.8	79.9	0							am					SST st-sfg mod patchy magnetism, with minor am-py alteration in thin gn bands. Rare qz-am veinlets. Cc-cl and sb veins. 42-43-slightly fractured with fragments ground by the drill. Px disseminated px spotting. 59.8-59.1 intense horizon of am-qz-py altera	
ML136	79.9	88.7	1							am qz cl py px					st- sfg d gy SST with bands of am-qz-cl alteration, very rare disseminated SX's, cl-cc veins and rare cpy-py-qz. spotted px mineralisation occurs around veins and in coarser material. Patchy weak magnetism	
ML136	88.7	96.4	1							py px si					d gy st-sfg SST non magnetic, very hard some silicification, rare py-qz-am veinlets, disseminated spotted px alteration, rip up clasts and soft sed deformation very abundant made more obvious by the alteration.	
ML136	96.4	100.4	5							qz si po bt am cl fl					bt-am-cl-po altered thinly lam tuff with banded alteration, intense veination in some intervals of am-po-qz veinlets. Veins offset laminae.	
ML136	100.4	101.5	10							mt gt am po cpy cl					banded am-mt amZXS with disseminates sx's and rare veinlets of cpy-po and cc. am very abundant occurs as eu img crystals.	
ML136	101.5	104.7	5							qz po cpy am bt cl gt mt apy					bt-am-po altered STUF with minor beds of caZXS containing gt-cpy-po-mt-am-cc with rare apy. with veinlets of cpy-qz-po.	
ML136	104.7	109.4	10							am po cpy apy qz cl hb sh					mt-am-sx amZXS interbedded with minor beds of STUF, disseminated sx's, banded alteration to mt and am rich bands. Rare veinlets of qz-cpy.	
ML136	109.4	113.1	15							am mt apy po cpy qz sh fl					gn-bk mtZXS with striped mt and am rich bands. Disseminated sx's composed of apy 10%, po 4% and cpy 1%. irregular patchy sh mineralisation occurring as sh blebs, also occurring as fine disseminated sh and v rare sh veinlets. Sh 2-3% in some beds.	
ML136	113.1	115.3	15							am po cpy apy qz cl hb sh						
ML136	115.3	125.9	15							am mt apy po cpy qz sh fl						
ML136	125.9	128.1	20							mt am cpy po apy gt					amZXS with minor interbeds of tuffaceous material. Rare sh veinlets	
ML136	128.1	137.6	10												bn-gn-bk mottled STUF with bt-am-po-qz alteration. Disseminated po and po rounded blobs with white bleaching halos. Qz-am-po veinlets abundant and cross cut and offset banded alteration and laminae.	
ML136	137.6	161	1												non magnetic SST st-sfg lithic wacke with qz-py, cl-cc veins. Abundant bk-wt veins <3 cm dipping about 5-10° ifg-icg tu? Am, cc- trace sh and rare cpy veins, also contains a fine og fluorescent min.	
ML137	0	5.6	0												Fractured SST colluvium with bn- silty clays. Og ferrous coating on fragments, ground by drill	
ML137	5.6	12.6	0												weathered SST to og-bn silty clays with fragments of angular gy ST.	
ML137	12.6	25.9	0												Fractured weathered interbedded ST-SS with og ferrous clays coating fragments, original texture and bedding still visible.	
ML137	25.9	38.8	0												bn-silty clays with fragments of weathered SST- lithic wacke, fragments ground by drill.	
ML137	38.8	41.2	0												weakly fractured weathered lithic SST, with og ferrous clay coating, cc veins.	
ML137	41.2	50.2	0												weathered highly fractured SST, og clay coated fragments, possible fault breccia at 49m. Fragments slightly ground by drill, poorly recovered. Cc veins	
ML137	50.2	53.2	0												weathered sandy carbonate, 0.1-1cm thick cc veins.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML137	53.2	71.6	1												d gy sandy carbonate with minor cc-px? Alteration with rare fine grained gts. Img cc veins (random orien- some discount.) Rare disseminated SX's. thin cc-py veins	
ML137	71.6	73.3	1							am, cc, px?					scg-sfg carbonaceous sandstone, graded bedding, med bedded, cc-py veins	
ML137	73.3	76.9	5							cc, gt, vs, ?po, py, px, sh					irregular icg gtZXS with pk-bn gts mineralising as gt rich bands and as rounded spotted massive gt blebs, with a recrystallised cc matrix, gn soft fine grained carbonaceous mineral. Icg cc veins, trace sh? Diss po and rare fine grained po veinlets.	
ML137	76.9	79.9	2												sandy carbonate interbedded with finely lam very fine grained siliceous material tuff-chert? Carbonate slightly recrystallized to interlocking CC. tuffs bt-am?-po alt. disseminated fine grained sx's throughout. At 78m thin interbeds of caST-STUF with ca+	
ML137	79.9	83.2	5							px, bt, am, po, qz					STUF with banded qz-bt-am alteration, finely lam-thinly bedded, diss po, am-po-qz veinlets, img bk-gn viterous mineral very hard 7-8 occurs massive as rounded blebs with si halos at 86m. CC veins.	
ML137	83.2	85.9	2							am, gt, px, cc, bt					STUF with minor interbeds of gtZXS, occurring as icg at 83.2m. Am-bt alteration of tuffs silicified? abundant gt-px-sx veins in tuffs up to 2cm thick random-discont-branching with gn halos veins of po-qz. Offset lam across veins.	
ML137	85.9	88.4	2							gt, am, cc, px, qz, ilvaite?					irregular gtZXS interbedded with fine grained siliceous green am? Rich beds. Cc-qz rich matrix, gts accompanied by a dark bk-bn mineral ifg granular gy streak possibly ilvaite.	
ML137	88.4	91.2	1							bt, px? gt?					bn-gy SS smg-svfg with minor bt-px ?and rare gt? Alteration. Cc veins and icg euhedral veins of qz-cc-py interbeds of STUF.	
ML137	91.2	99.6	3							bt, am, po, gt?					am, qz, po, bt rare gt? Altered interbedded STUF and SS . Finely lam-medium bedded. Patchy weak magnetism from po. Diss and thin discontinuous veinlets of po. Around some veins are bleaching halos. Lamminae offset across veins.	
ML137	99.6	100.9	2							po, qz, am					Fracture d-gy SST with qz-py, cl healing veins, am-po rich blebs with white siliceous halos.	
ML137	100.9	102.1	5							bt, qz, am, po					fractured bn stuf with cc-cl and qz-py healing fractures. Lam offset mm scale, fractures created small cavities for well formed euhedral crystals to form, crystal prisms of CC.	
ML137	102.1	121.4	2							po, am, qz, bt					interbedded svfg-smg SS and tuffaceous fine grained material. Pk-bn-gn-cm banding and am-bt-po alteration. Finely lam to med bedded. Cc veins and branching-discont. Am-qz-po veinlets. Microfaulted up to 6cm displacement. Brecciated material within veins 1	
ML137	121.4	131.3	1							cc, am, gt, px?					silty carbonate with cc recrystallisation with minor bands of fine grained siliceous material stuf-chert? Rare gt alteration 129.1-129.25m svfg-smg, graded bedding showing younging d'hole (127.5m), cc-py (with a soft bk mineral) qz, cc-py veins.	
ML137	131.3	132.7	2							cc, px, qz					caSS with intensely veined and brecciated zones, (breccia cuts across bedding and is within veins). Some silicification?	
ML137	132.7	144.4	1							gt, cc, qz, sr, px					sandy carbonate with CC alteration- bleaching veins silicifying? And rare spherical spotted and banded gts? Px alteration? Weathered zones of caSS to og/bn ferrous clays (oxidised) and altered to gn sr? intensely veined horizon at 142-143m - microfaulted o	
ML137	144.4	154.2	1							gt, px?, cc, am, qz					bl-wt-gy sandy carbonate, lam to thinly bedded, with CC and rare gt alteration with minor thin siliceous tuffite? Chert? Beds <3cm. Siliceous bleaching veins. no sr alteration.	
ML137	154.2	172.1	1							cc, gt					interbedded bl-wt st-svfg caST interbedded with d gy siltstone (lithic-qz material- with slight fizz from hcl) med bedded-thickly lam, abundant cc veins, microfaulted offset lam cm scale. Cc-py, veinlets and qz veins often occur with white siliceous bleach	
ML137	172.1	186.8	2							px, cc, py					Interbedded silty carbonate and gy siltstone, finely lam-med bedded with thin beds of finely lam siliceous very fine grained gn-cm material tuffaceous- chert?	
ML137	186.8	187	2							py, px, cc, cl, sr?					Weakly -strongly weathered carbonaceous ST- fragments ground by drill, 110cm of core loss, dissolution texture, water was intersected by drillers, small voids at 187.0 and 190.0m ground water conduit?	
ML137	187	188														
ML137	188	190														
ML137	190	191.1														
ML137	191.1	204.1	1							cc, qz, px, gt?					silty carbonate with minor beds of siltstone with thin interbeds of tuffite? 1-7mm thick fine grained cc-py, microfaulted cm scale displacement. Cc and py veins in bl carbonates often have bleaching halos.	
ML137	204.1	218.9	2							gt, cc, px, py					silty carbonate with interbeds of siltstone, with minor thin interbeds siliceous <6cm material tuffite? Minor cc-px-gt-py alteration. Dissolution-honeycomb texture on core surface.	
ML137	218.9	225.1	2							px, ve?, gt, cc, py, bt					moderately recrystallized silty carbonate with bands of px, bn-pk gt and cc alteration. 2-20cm thick minor interbeds of tuffaceous material cc-py veins and rare py altered beds.	
ML137	225.1	228	3							gt, po, px? Cc, qz, py					siltstone with interbeds of stuf? Minor gt-px-py and am-bt alteration of tuffs with rounded po rich blebs, finely lam to medium bedded.	
ML137	228	231.8	3							am, po, qz					d gy siltstone with gn am-po bands. Cl cc py veins and rare am-qz-po veins.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML137	231.8	240	2							or?, se, tu, bt, px					fractured SST, st-smg with patchy weak magnetism, fragments cl coated and ground by drill. Weak bt alteration and spotted px? Cl and po-qz-am veins, intruded by ifg-img felsic dykes (bt, qz, fp) 90-10cm, dykes have been se-tu-qz-or? (ust 40°, 48° 45°).	
ML137	240	241													ifg-img felsic dykes (bt, qz, fp) 90-10cm, dykes have been se-tu-qz-or? (ust 40°, 48° 45°).	
ML137	241	244.6								or?, se, tu, bt, px					fractured SST, st-smg with patchy weak magnetism, fragments cl coated and ground by drill. Weak bt alteration and spotted px? Cl and po-qz-am veins, intruded by ifg-img felsic dykes (bt, qz, fp) 90-10cm, dykes have been se-tu-qz-or? (ust 40°, 48° 45°).	
ML137	244.6	272.6	1							qz, am, tu?					d gy SST weakly fractured, st-smg, thinly-thickly bedded, veins sb-cc, cl, am-qz-py-po. Bands of strong alteration 246.5-246.7m and 245.9-246m qz-am-tu?	
ML137	272.6	288.6	3							bt, po, am, qz					SST altered to bt hornfels, intruded by img felsic granite dykes (bt, qz, fp) mottled gn, cm, bl, bn, gy (am-qz-bt-po?) alteration. UST 50°, other dykes run almost parralel to the core.	
ML137	288.6	297.2	1							bt, px? Cl					fractured SST, st- smg lithic wacke with weak bt alteration. Non magnetic. Fragments ground by drill, cl-cc healing fractures. Rare gn am?- py-qz veins- trace cpy. Allignment of cl on vein surface indicate some movement.	
ML137	297.2	304.3	1							cl					Intense fault breccia, very fractured, pebble to sand sized fragments. Mod recovery 90cm of lost core. Fragments ground by drill, cl coatings and cc alteration?	
ML137	304.3	313.8	2							bt, qz					SST which has been altered to very hard bt hornfels. Crystalline texture- original sed texture not obvious st-sfg?. Non-magnetic, am-po-qz veins with white alt halos. 50cm granite dyke 311.2-311.7m UST 35-38° branching discontinous am-po-qz veins with wh	
ML137	313.8	316.5	5							am, hb, mt, po, vo, cc, py, gt, ve? Cpy, sh					ifg amZXS with ds po and rare cpy. Banded and ds vo, vo often associated with mt. am has a relict gt texture . Bn-pk garnets present being replaced by ve? Minor sh flecks. Cc-am matrix vo appears to replace original matrix which surrounded the gt which has	
ML137	316.5	318.2	5							gt bt					lam STUF with bt-po-qz and minor gt? Alteration po is d/s but commonly occurs in am-po veins with wt bleaching halos.	
ML137	318.2	324.3	5							am, cc, ve?, gt, px, py, cpy, po, vo, sh					bn gt-ve? And am dominated skarn; alternating zones enriched with gt-px-ve and am-cc with minor interbeds of STUF. Gn cm matrix with abundant ifg CC, d/s sx's po, cpy, py. Ve-am replacement of gts. Relict sed banding present. Rare sh flecks and minor d/s	
ML137	324.3	343.4	10							vo, mt, am, cc, po, cpy, py, ve, gt? sh?					banded gn and bk amZXS, gn am rich and bk vo+mt bands. With minor tuffite interbeds. Bk, vo+mt bands have replaced the material surrounding am replaced gt porphyroblasts. 1% sh occurring as coarse flecks, 20cm band of sh rich material (50%) 373.5-373.7m. s	
ML137	343.4	345.3	5							am, ve?, gt? Cc, cs? Vo mt, po, cpy, px					banded caZXS with interbeds of minor tuff contains rare cs? Flecks of sh, composed of ve-gt? Px-cc.	
ML137	345.3	355.3	10							po, bt, am, px, gt, vo, mt, sh, ve?					lam stuf with interbeds of am-mt-vo-cc and px-ve-gt-cc? skarn (1-70cm thick) STUF has been bt-am-qz-po altered. Original lam has been microfaulted- displaced on a cm scale.	
ML137	355.3	356.9	3							am, cc, po, tu?					icg am-cc-po skarn with a ifg-img cc matrix, am 70%, very coarse well formed euhedral, accicular, striated crystals. Minor stuf interbeds.	
ML137	356.9	370.2	6							po, qz, am, px, mt, vo, ve?					lam STUF with interbeds of am-mt-cc-vo and fine grained px-gt-ve-cc skarn. STUF has moderate bt-am-qz alteration with a intensive network of thin am-po-qz veinlets with gnswt halos. Coarse grained cc-py veins.	
ML137	370.2	374.5	8							am, bt, po, qz, cc, cl					moderately fractured STUF with beds of ST altered to bt hornfels and minor amZXS bands. Coarse euhedral thick <5cm thick cc-py veins, (heals fractures) . AmZXS material is less competent and has fractured more, with some mineral alignment , cl coating a	
ML137	374.5	378.1	5							am, bt, qz, po					lam STUF am-po-qz-bt alt d/s sx's with interbeds of SST (strong alt to bt hornfels) thin am?po-py-qz veins. Thin 10cm granite dyklet at 375.90m.	
ML137	378.1	394	1							tu, qz, se, cc, po, cpy					porphyritic felsic granite composed of qz, bt, fp with moderate se alteration of fp. 389.5-389.9m - 40cm of intense tu-se-qz-po-cc-ppy alteration of granite. 394m EOH	
ML138	0	30.1	0												broken- fracured SST fragments ground by drill, non-magnetic ST-Sfg gy lithic wacke, fragments have og ferrous clay coating, several zones of core loss for 0.2-2.4m of lost core.	
ML138	30.1	34.2	0							px					d gy SST thinly to thickly bedded st-smg. Weakly fractured and ground by drill, cc and qz veins with minor spotted px? Around veins.	
ML138	34.2	43.5	0							px					fractured SST d gy, st-smg with patchy weak magnetism and minor px? Spotting. Sb and cc veinlets healing fractures and fine cl veins.	
ML138	43.5	49.4	1							am qz					d gy SST, lam- medium bedded scg-st, mod-poorly sorted, lithic with gn bands of am-qz alteration (follows bedding). Possible cross lammination, erosive bases to the smg-scg material. Rip up clasts of st in ss. Weakly magnetic. Minor veins of am-qz-py.	
ML138	49.4	62.5	1												d gy SST, scg-st, thickly lam- med bedded, mod-poorly sorted lithic gy wacke with thin cl veins- no pref orien, trace disseminated py, v rare qz-py veinlets. Graded bedding shows younging d'hole. Weakly magnetic.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML138	62.5	74.9	1												d gy SST, smg-st non magnetic with minor img branching am-cl?-qz-py-cpy veinlets, (no pref orien) bleaching halos around some veins, fine disseminated py in coarser sediments. Thin cl veins. Some minor soft sed def, offset bedding across veins.	
ML138	74.9	94.7	1												d gy sfg- scg ss with minor interbeds of siltstone. Undulating erosive bases to sandstone beds. Rip up clasts of silt. Cross lam seen at 81m. Trace py with seds. Thin cc-cl veins. Some sed def, small flame structures. Consistant weak magnetism. Rare py-qz	
ML138	94.7	124	1												SST with patchy weak magnetism, sfg-scg with minor interbeds of siltstone. Finely lam to med bedded, rare gn bands of am-py alt. randomly orientated branching veinlets of img veins of am-qz-py cl? 115.7-115.8m zone of intense am-qz-py-bt? Alteration (am	
ML138	124	137.6	1												st- scg d gy SST with patchy magnetism with thin 2mm qz-py veins and fine cl veins. Minor fault breccia at 128.3-128.6m with cc healing fractures.	
ML138	137.6	148.2	4							am, bt, qz, po, cl					am-bt-cl-qz-po altered SST-hornfells st-smg thinly-medium bedded with banded bn-gr-pgy-pk alteration (no pref orien) qz, cl veins, branching discont am-qz-po veins, 146-148m rounded blebs of massive po.	
ML138	148.2	152.6	20							am, bt, cl, qz, po, cpy, gt					bt-am-po (rare gt) altered tuffaceous material with minor interbeds of ST. finely lam-thinly bedded, offset beds up to 4cm. Am-po-qz discont veinlets. 150-151m po-cpy-am-fl vein /alt (40% sx's). Intense veining brecciates rock? Bleached halos around som	
ML138	152.6	153.4	10							ca, am, mt, apy, sh, py, cpy					amZXS with 3% apy and rare sh grains.	
ML138	153.4	157.6	5							am, qz, cc, gt bt, cpy, apy, po, cc ilvaite?					lam stuf with interbeds of amZXS (mt-gt-am-cc) veins of radial accicular am and cc, cc-gt veins with a bn straited mineral tu-ilvaite? (155m) discontinous branching gn veinlets containing am, cpy, apy, po, qz.	
ML138	157.6	163.9	10							cc, mt, am, cpy, apy, gt, sh					mtZXS with disseminated po, cpy and very minor apy, trace sh, late stage gts and cc-gt veins.	
ML138	163.9	171.3	8							am, mt, cc, cpy, cc, po, apy					mtZXS with am-cc rich bands (<40cm), rare trace sh occurs as fine random flecks. lcg gt-cc veins, disseminated sx's po 5%, cpy, 2% apy 1%. Am sometimes has a relict gt texture.	
ML138	171.3	173.6	10							am, mt, gt, ve?, cc, sh, px?					gtZXS with bands of amZXS, veins of am-cc within gtZXS replace original assemblage, gt's occur with am alteration rims. Fine diss sh occurs in amZXS bands 1-2%	
ML138	173.6	200.2	1							bt					st-smg lithic wacke with minor bt-qz alteration contain regular bk-wt veins 0.2-7mm thick, sometimes discontinous, branching and interlink with other veins, ifg-icg contain straited ,accicular tu, qz, cc and cpy. Veins often have alteration halos. Veins	
ML139	0	37.3	0												fractured SST, st-smg lithic wacke, with og ferrous clay coatings on fragments. Zones of lost core <1.5m. Minor horizons weathered to clay gravels. Patchy weak magnetism. Qz and sb veins. Fragments re-ground by drill.	
ML139	37.3	57.9	1												SST, st-smg weakly fractured, very thinnly to medium bedded. Very weak patchy magnetism. Veins of cl and sb. Rare veins of qz-am?-py and cl-qz.	
ML139	57.9	76.25	0												st-smg gy lithic wacke with consistant moderate magnetism. Interbedded silt and fine sandstone (med ss bases) with minor med ss beds. Thinnly to med bedded with soe minor lam horizons. With cl-cc veins and rare am?-qz-cl veins. Small scale soft sed def.	
ML139	76.25	82.7	1							cl?					d gy SST with abundant wt, gn veins. St-sfg lithic wacke. Thinnly to med bedded. Am-qz-cl-py and bt? Veins and hairline thin veinlets 2cm-1mm. Sometimes discontinous and branching. Have a general pref orientation, cross cut bedding. Non magnetic.	
ML139	82.7	93.5	1												lam to med bedded SST, st-smg, with cl-qz and am?-qz-cl-py ifg-icg. Slight gn cl alt of sediments? Patchy moderate magnetism. 86.2-88.8 zone of intense am-qz-cl-py veining which has slightly bleached seds and gave them a brecciated apperance.	
ML139	93.5	100.9	1												SST, st-sfg thinnly-med bedded? consistant mod magnetism, with minor qz-am-cl-py veins occuring with bleaching halos. Thin cl veins.	
ML139	100.9	109.5	1												st-sfg mostly ST with minor beds of sfg. Lam-thinly bedded? Gy-gn alt bands which slightly bleach seds- highlight wavy lamminae. Qz-am?-py veins are very magnetic in places indicating some mt in veins. Veins are discontinous and branching with no pref ori	
ML139	109.5	126.6	1												SST, st-sfg, lam-med bedded. 118.5-120.5m weakly fractured with qz, sb and cc-cl healing veins. Patchy mod magnetism, rare am-qz-py veins with bleached halos. weak spotted hornfells alt?	
ML139	126.6	132.2	1							py					ST-smg gy lithic wacke with weak hornfells alt, d/s very fine py, 128-129m intense band of qz-cl? Veining, weak fracturing with cl healing veining. Drussy qz veins. Concoidal fracturing.	
ML139	132.2	142.3	3							po, py, px?, bt, si, qz					SST, st-smg, lam-med bedded with strong bt-si hornfells alteration, mottled and banded gn-wt-pk-bn, concoidal fracture. Microfaulted cm scale. Discontinous, anatomosing veins px?-qz-cl-py±po with strong bleaching halos, diss sx and hairline po veins.	
ML139	142.3	144.9	3							px, bt, qz, po					strongly alt tuffaceous material, lam to thinnly bedded, with anatomosing qz-po-am? Veinlets discontinous, microfaulted, veins follow fractures and cut across microfaults-synformational.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML139	144.9	148.6	15							am, po, cpy, apy, sh, cc, qz, mt tu?					amZXS with interbeds of STUF and caZXS (am?tu?- p bn-gn radial?ca-po), banded am and mt rich material with po and cc matrix, ifg-icg amphibole well formed euhedral crystals d/s sx's 10% po 3%cpy and 2% apy, sh occurs as fine grained massive flecks ~1%	
ML139	148.6	154.9	15							po, cpy, apy, am, cc, mt, sh, fl					amZXS with minor thin bands of STUF, banded with alternating am and mt rich bands, d/s sx po 8%, apy 6%, cpy 1%. Sh~1-2% occurs as coarse crystal flecks and massive fine grained blebs. Pale gn bands, contain a well formed euhedral acicular, radial, vertic	
ML139	154.9	158.2	10							am, po, cpy, apy, sh, cc, qz, mt					mtZXS with d/s sx's 6%po, 2% cpy, 2% apy, 2% sh occurring as massive fine grained patches, blebs and as coarse discontinuous bands associated with icg po and cpy. Coarse cc-tu-fl veins.	
ML139	158.2	163.1	20							cc, apy, po, cpy, fl, am, mt, sh					AmZXS with minor interbeds of STUF and 30cm interval of poZXS (161.7-162.0m), sx's occur banded and d/s 15%po 2-3%cpy 2%apy, po and mt wriggilites (wavy laminae) occur at 161.45 and 161.75. 1-2% sh occurring as massive fine grained flecks and as coarse d	
ML139	163.1	167.7	5							bt, po, am, px?,					mottled gn, bn, cm, pk altered finely lam silicious tuffaceous material, microfaulted, abundant thin am?-po-qz veins which have been cross cut by later stage qz-fl±sx and qz-tu veins. d/s po and rounded po+am rich blobs. Strong bn colouring over previous!	
ML139	167.7	173.1	1							bt si am? cl					st-sfg SST which has mod bt alt and has patches of silicified material? Slight bleaching around veins. Am-qz-cl? Veins later cross cut by tu-qz-py-fl veins. Hairline py veinlets and fine disseminated py.	
ML139	173.1	184.5	1												weakly fractured SST- st-sfg which has thin cl veins and minor anatomosing ifg qz-am?-sx veinlets, cut by later stage icg tu-qz-sx veins.	
ML140	0	8.6													gy ST, fractured and reground with og clay weathering, bn weakly magnetic clasts. Very poorly recovered.	
ML140	8.6	11.5													Friable very strongly clay altered rubblely core, bedding still visible. Og ferrous clays with bk veins.	
ML140	11.5	14.5													NO RECOVERY	
ML140	14.5	35.5													og-bn-cm clays with bk relict veins, variable weathering, very poorly recovered	
ML140	35.5	41.5													NO RECOVERY	
ML140	41.5	50.5													very friable og-cm-bn-rd clays with bk relict veins, poorly recovered	
ML140	50.5	68.7	2							px po					Tnb - mdb dg gy - lt gy altered sfg - smg tuffaceous sediment with thin beds of intraformational rip-up clast conglomerate and calcareous siltstones. Fine-grained po ds throughout, sometimes forming conspicuous orbicular clots.	
ML140	68.7	71.2	2							bt px po gt mt					Tnb dk bn bt altered sediment with thin bands of gn-cm px altered material. Po ds throughout. Between 71.0-71.1 there is a px alteration band that contains fine-grained gt+mt (after a calcareous bed?).	
ML140	71.2	84	0												Dk gy sfg-smg mdb non-magnetic SST with minor irregular am-rich veins.	
ML140	84	88	0												Strongly fractured dk gy sfg-smg mdb non-magnetic SST. Fracturing controlled by strong irregular am-rich hydrothermally brecciated veins. No gouge or mechanical brecciation to suggest a fault zone.	
ML140	88	103	0												Dk gy sfg-smg mdb non-magnetic SST with minor irregular am-rich veins.	
ML140	103	112	0							mt					Strongly fractured weakly magnetic dg gy sfg-smg mdb SST. Fracture surfaces coated with cl. No evidence of faulting.	
ML140	112	117.8	0							mt					Variably magnetic dk gy sfg-smg mdb SST	
ML140	117.8	118.8	0							mt					Fractured dk gy sfg-smg variably magnetic SST. Fractures clean.	
ML140	118.8	151.1	0							mt					Variably magnetic dk gy sfg-smg mdb SST	
ML140	151.1	152	0							mt					Fractured dk gy sfg-smg variably magnetic SST. Fractures clean.	
ML140	152	223.4	0							mt					Variably magnetic dk gy sfg-smg mdb SST	
ML140	223.4	236.6	0												Mdb sfg-smg SST with strong mottled bt-px-am alteration	
ML140	236.6	240.6	2												Packages of lm to mdb svfg-sfg tuffaceous sediments, strongly affected by mottled bt-px-am alteration and ds po throughout.	
ML140	240.6	245.6	5							mt cc po ap cp sh					Interbedded mt-rich am skarn and gn-gy am-px altered svfg tuffaceous sediments. Sporadic coarse scheelite mineralisation associated with coarse patches of sulphide and carbonate in skarn.	
ML140	245.6	256.1	10							mt cc po ap cp sh					Coarsely banded scheelite-mineralised magnetite skarn. Magnetite skarn is comprised chiefly granular mt, dk gn felted am with minor relict patches of lt gn px and porphyroblastic gt. Broken surfaces reveal that some px has an accicular habit. Skarn is st	
ML140	256.1	259.2	2							mt po cc sh					Fine grained mt rich skarn with thin irregular am-rich bands. Only minor po and cp is present without ap. Minor sh mineralisation as fine-grained ds specks and stringers.	
ML140	259.2	261.8	2							bt px po					Tnb sfg-smg bt-px altered SST cut by am-po veinlets with "bleached" cm selvages.	
ML140	261.8	263.6	5							po cc					Am-mt-po-cc skarn, dk gn med grained felted am with minor interstitial po and cc. Minor patchey relict fine-grained gy-pl px-gy skarn. Interbedded with gy svfg altered tuffaceous material affected by irregular am alteration.	
ML140	263.6	264.1	5							po					Svfg gy px-altered tuffaceous material, cut by thin qz-tu-po veins with strong gn am selvages.	
ML140	264.1	264.4	5												Resinous bn svfg bt altered lm tuffaceous material. Pervasively fractured and cut by qz-tu-po veinlets.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML140	264.4	267	5							po					Dk gy - bk sfg SST with abundant ds po and po veinlets. Minor am-po veinlets with bleached selvages.	
ML140	267	269.7	5							bt px am					Mottled bt-px-am altered svfg-sfg tuffaceous sediments. Conspicuous "bleached" am-po alteration patches.	
ML140	269.7	287.5	0							bt px am					Weakly mottled sfg-smg mdb SST.	
ML141	0	35.7	1							py					Fractured and broken SST with og clay alteration, st-sfg, lam to med bedded. With thin qz veins and rare d/s py. Non magnetic.	
ML141	35.7	41.4	1							py					st-sfg weakly fractured SST with qz-py-cl veins and px? And a blk accicular mineral scratches glass tu? With d gy alt halos, minor d/s ifg py.	
ML141	41.4	51.8	2							px am po					Lt gy lm-tnb svfg-smg tuffaceous sediment with minor thin beds of intraformational rip-up clast conglomerates. Po ds throughout sediment. Strongly altered; controlled by pervasive network of thin (c. 20mm) qz+tu+po veins sub-parallel – parallel to bedding	
ML141	51.8	69.3	10							am vo po px mt gt vs cp py					Thin bedded skarn with packages of lm gy-pl altered svfg tuffaceous material (70/30). Skarn is fine-grained dk gn – bk am+von+po rich (von would comprise at least 10% of total unit, po perhaps slightly less than 10% of total unit). Coarsely mineralogically	
ML141	69.3	74.5	5							px am po vo gt					Tnb gy-pl - gn altered sfg tuffaceous sediment interbedded with bands of am-vo-po skarn. Am-vo-po skarn overprints relict patches pf gt-px skarn which is preserved as patches and porphyroblastic textures enclosed in vo-rich bands. Minor po in skarn bands.	
ML141	74.5	82													yw gn poorly recovered clay after tnb po-rich altered tuffaceous sediments and/or skarn	
ML141	82	82.2													Fragments of fr gy SST with cl coating fractured surfaces in gn clay. Fracture zone or fault breccia? Clay may have caved in from up hole.	EOH
ML141A	0	55.2													Cavity after drillhole ML141 from which ML141A deviated	
ML141A	55.2	68	10							am vo po px mt gt vs cp py					Thin bedded skarn with minor packages of lm gy-pl altered svfg tuffaceous material. Skarn is fine-grained dk gn – bk am+von+po rich (von at least 10% of total unit). Coarsely mineralogically banded. Minor amounts of lt gn fine-gained relict(?) px which pr	
ML141A	68	74.4	5							px am po vo gt					Tnb gy-pl - gn altered sfg tuffaceous sediment interbedded with bands of am-vo-po skarn. Am-vo-po skarn overprints relict patches pf gt-px skarn which is preserved as patches and porphyroblastic textures enclosed in vo-rich bands.	
ML141A	74.4	77	0												Tnb strongly yw-og clay weathered material after po-rich tuffaceous sediments or skarn.	
ML141A	77	78.6	0												Extremely poorly recovered (only a handful of chips ground by drill bit) gy non-magnetic SST	
ML141A	78.6	80.7	0												Ferruginous og bn clay	
ML141A	80.7	85	0												Poorly recovered gy non-magnetic SST. Ground by drill bit but some surfaces coated with yw limonitic material - originally fractured surfaces?	
ML141A	85	86.4	0												Tnb strongly yw-og clay weathered material after po-rich tuffaceous sediments or skarn.	
ML141A	86.4	96.2	0												Strongly fractured gy SST with lm coated fracture surfaces.	
ML141A	96.2	98.8	0												Fractured gy SST extensively weathered to yw-og clays along fractures.	
ML141A	98.8	103.8	0												Yw-og and bn ferruginous clays	
ML141A	103.8	106	0												Yw-go clay preserving relict tnb and veined textures.	
ML141A	106	113.2	0												Fractured gy SST extensively weathered to yw-og clays along fractures.	
ML141A	113.2	115.5	0												Intact gy mdb non-magnetic sfg-smg SST with limonite-stained fractures infilled by calcite and minor stilbite.	
ML141A	115.5	120.5	0												Variably fractured dk gy bn gn mottled sfg SST with cc-cl veins.	
ML141A	120.5	120.8	0												Dk gy healed brecciated smg SST	
ML141A	120.8	121.2	0												Strongly spotted gy smg SST	
ML141A	121.2	131.7	0												Variably fractured dk gy bn gn mottled sfg SST with cc-cl veins.	
ML141A	131.7	133.7	0												Thick bedded smg dk gy qz-wacke	
ML141A	133.7	152.8	0												Variably fractured dk gy bn gn mottled sfg SST with cc-cl veins.	
ML141A	152.8	154.9	0												Strongly cl-coated fractured zone in mottled sfg SST.	
ML141A	154.9	162.1	0												Variably fractured dk gy bn gn mottled sfg SST with cc-cl veins.	
ML141A	162.1	169.4	0												Strongly cl-coated fractured zone in gy sfg SST.	
ML141A	169.4	179.8	0												Variably fractured dk gy bn mottled stb-smb sfg SST with strong lt gy px alteration patches developed. Po in thin layer parallel veinlets.	
ML141A	179.8	183.2	0							px am gt cc po					Tnb lt gy px altered svfg tuffaceous siltstone cut by irregular am-po veinlets. Minor thin bands of weakly am-po altered coarse-grained granoblastic to porphyroblastic textured garnet-pyroxene skarn.	
ML141A	183.2	186.8	0												Weakly am-po altered coarse-grained granoblastic to porphyroblastic garnet-pyroxene skarn.	
ML141A	186.8	192.4	2							px gt bt am po					Tnb-mdb strongly altered pxHF with short intervals (<30cm) porphyroblastic gtZXS. Patches of dk gn am. Cut by irregular am-po veinlets.	
ML141A	192.4	207.4	2							bt px po					sfg-smg variably fractured SST with minor bt alteration and very little px alteration concentrated around veinlets. Veins abundant in short intervals. cl on fracture surfaces.	
ML142	0	137.5	0							bt am					Gy sfg-smg mdb non-magnetic SST. Weak mottled alteration from bt-am. Minor hydrothermally brecciated qz+/-am+/-po veins.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML142	137.5	139	0							von po					Banded fine-grained am-px-vs-von skarn. Dk gn fine grained am and lt gn px with bands of yw vs "flooded" by von. Vs preserves a porphyroblastic texture.	
ML142	139	139.8	2							po					Band of ms mt with minor am + cc. Minor po.	
ML142	139.8	149.15	5							von po sh					Thin banded fine-grained am-px-vs-mt-von skarn. Dk gn am- lt gn px-rich bands with mt- von- yw vs- rich bands. "Flooded" porphyroblastic texture conspicuous in mt- von- vs- bands. Von texturally replaces mt. Abundant von - 10% toal unit. Sporadic medium	
ML142	149.15	150.4	5							von po sh					Dk gn medium-grained am-rich skarn with mt ds and as bands. Mt is largely replaced by vonsenite, which preserves the same relict porphyroblastic texture. Trace po ds. Trace sh ds.	
ML142	150.4	154.6	5							von po sh					Thin banded fine-grained am-px-vs-mt-von skarn. Dk gn am- lt gn px-rich bands with mt- von- yw vs- rich bands. "Flooded" porphyroblastic texture conspicuous in mt- von- vs- bands. Von texturally replaces mt. Abundant von - 10% toal unit. Sporadic medium	
ML142	154.6	156.1	20							po von					Lt gn fine-grained px-rich skarn with minor vs. Bands of von preserve a former porphyroblastic texture. Stong pyrrhotite alteration as irregular semi-massive replacement controlled by many small irregular extensional gashes.	
ML142	156.1	158.75	5							von po sh					Thin banded fine-grained am-px-vs-mt-von skarn. Dk gn am- lt gn px-rich bands with mt- von- yw vs- rich bands. "Flooded" porphyroblastic texture conspicuous in mt- von- vs- bands. Von texturally replaces mt. Abundant von - 10% toal unit. Sporadic medium	
ML142	158.75	162.3	20							von po sh cc					Po- von- rich tnb am-px-vs skarn. Po occurs as irregular veins with cc and as replacement bands preserving porphyroblastic texture in same fashion as vonsenite. Mt present as ms bands up to several cm thick. Strong scheelite mineralisation as medium grain	
ML142	162.3	164	20							von po sh cc cl					Banded mt-rich skarn. Some mt bands preserve relict porphyroblastic texture with lt gn px. Bands of von present in same fashion, some times rimming or intermixed with mt bands. Strong po alteration as irregular veins with cc and replacement. Some cl assoc	
ML142	164	166.8	20							von po sh cc					Po- von- rich tnb am-px-vs skarn. Po occurs as irregular veins with cc and as replacement bands preserving porphyroblastic texture in same fashion as vonsenite. Mt present as ms bands up to several cm thick. Strong scheelite mineralisation as medium grain	
ML142	166.8	167.8	20							cl po sh					Fine-grained olive-green cl- po- rich skarn with minor patches of mt. Strong sh mineralisation as ds fine-grained specks. Po forms thin semi-massive replacement bands and irregular veinlets with cc.	
ML142	167.8	168.15	5												Tnb dk gn pl altered svfg tuffaceous material. Fractured. Fractures infilled by cl-cc.	
ML142	168.15	169.2	0												Badly fractured cl-coated STUF - part of a fault zone.	
ML142	169.2	171	5												Tnb dk gn pl altered svfg tuffaceous material. Fractured. Fractures infilled by cl-cc.	
ML142	171	171.7	5												Dk gn fine-grainedam-mt-po skarn with po veinlets and cl-coated fractures.	
ML142	171.7	172.2	5												Tnb dk gn pl altered svfg tuffaceous material. Thin qz-tu veins.	
ML142	172.2	172.3	0												Badly fractured cl-coated STUF - part of a fault zone.	
ML142	174.65	175.4	10							po cl sh					Dk gn fine-grained am-mt-po vein. Cl assoc with po alteration. Strong sh mineralisation as fine-grained ds specks.	
ML142	175.4	181.9	5												Tnb dk gn pl altered svfg tuffaceous material. Am-po veinlets and thin qz-tu veins.	
ML142	181.9	182.3	0												Pegmatitic qz-rich granitic vein. Strongly developed unidirectional solidification textures at margins. Minor tu distributed as thin discontinuous layers.	
ML142	182.3	187.7	2												Bn altered sfg mdb SST with minor irregular am-px-po alteration patches. Fine po veinlets.	
ML142	187.7	190.3	2												Fractured bn svfg-sfg bt- altered lm-tnb tuffaceous siltstone with cc-py veining infilling late stage fractures.	
ML142	190.3	193.7	0												Fractured porphyritic FG, cc infilling late fractures.	
ML142	193.7	194.5	2												Fractured bn svfg-sfg bt- altered lm-tnb tuffaceous siltstone with cc-py veining infilling late stage fractures.	
ML142	194.5	197.5	0												Strongly fractured dk gy non-magnetic SST and disaggregated chloritic fault breccia with cc-py veining. Minor blocks of cc-veined si FG.	
ML143	0	43.8	0												Fractured gy SST at top of hole.	
ML143	43.8	101.7	0							px cl					Variably fractured dk gy smg mdb SST. 1-2m intervals of intact core. cl on fracture surfaces. 2cm px alteration zone surrounding rare qz-cpy veins. Minor px alteration in short intervals, increasing downhole.	
ML143	101.7	106.9	0							px					fractured gy SST with cl on fracture surfaces. Increased px alteration compared with 48.3-101.7 but remains minor.	
ML143	106.9	108.5	1												fractured SST with cl on fracture surfaces and intensely veined by qz-cl-cpy veins.	
ML143	108.5	144.6	1							px					very fractured SST for most of interval, with cl on fracture surfaces and minor px alteration.	
ML143	144.6	149.6	1							px					predominantly intact SST with increasing veining compared with above. Minimal px alteration surrounding few veins, most without alteration.	
ML143	149.6	151.5	0							cl					rubbly fractured SST with cl on fracture surfaces and moderate cl veining.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML143	151.5	171.7	1							cl px py					tnb-mbd fractured SST with minor px alteration and short intervals (<30cm) intense cl veining. qz-cl veins up to 2cm thick. am-po veins earlier generation than qz-cl. Minor patchy (<5mm) py alteration. Thin cc veins increase downhole.	
ML143	171.7	176	1							bt px po cpy					tnb SST with increased bt and px alteration. Minor horizons rich in po > cpy.	
ML143	176	181.7	3							bt px					btZHF with lesser pxZHF a beds, interbedded on a tnb scale, with minimally altered SST	
ML143	181.7	186.7	5							px bt py gt					smg-st, lam-mdb SST with strong px and bt alteration, microfaulted on a mm scale. Rare ds py and po-am±cpy veinlets (4% po, 1% cpy). Veins are branching and discontinuous.	
ML143	186.7	188.6	10							mt am cc cl bt px po cpy vo?					weakly banded mt and am rich intervals with a cc-cl matrix with minor px? Po (magnetic) is associated with cpy and mineralises in patches, ds and in icg veins up to 4cm thick with fl-cc. d bn bt rich bands 5% at 187.2m bt rich porphyroblasts with a mt mat	
ML143	188.6	193.4	10							am mt cc bt px po cpy vo?					amZXS with mt rich bands and minor pxZHF. Thick veins containing icg am-cc-po-qty, are often euhedral accicular and straited ac? d/s po within matrix, mt is granular. Matrix composed of ifg am-cc and cl? The bt rich bands are present in this interval alth	
ML143	193.4	194.8	10							am px cc mt bt vo? gt Vs? po					amZXS and minor bands of pxZHF. Banding mineralisation of am-cc-mt, bn bt-cc and bands containing varying porphyroblastic textures of gt-ve-px and ve-am with cc in the matrix.	
ML143	194.8	202.6	15							am cc bt po mt cpy vo?					banded amZXS with soft bn-bk bands composed of bt, fl? And cc with very ifg ds sx's possibly contains vo? (5-10% of core) po occurs ds and in icg veins with cc and cpy.	
ML143	202.6	209.5	10							mt am cc bt po cpy apy sh					mtZXS with minor am rich bands. Contains very soft bn-gn bands when wet look black, moh: 3 bn-gn streak very bt rich with ifg sx's and vo? SX's occur ds in thick icg veins and ifg veinlets. Po 8%, cpy 1%, apy 1%. Very rare sh occurs as fine ds crystals <1	
ML143	209.5	212.4	40							po mt am cc bt vs cpy qz					poZXS with more mt rich band with <30% d bn-bk matrix bt-cc and very fine ds sx's. cm-gn material very hard si rich with vs? containing small bk porphyroblasts occurs in mottled bands with Sx's. 35% po 5% cpy. Weak wriggly texture.	
ML143	212.4	219.2	16							mt cc am po bt cpy apy fl sh					strongly banded mtZXS with mt rich bands and very soft d bn bt rich horizons (<30%), mt bands have ifg cc matrix. Sx's 10% po, 4% cpy and 2% apy occur as patches, ds and in veinlets. Very rare ifg sh.	
ML143	219.2	220.4	5							px am gt ve cc po fl apy cpy					alternating bands of pb gt-vs-cc, lam pxZHF and am-mt-cc ZXS with d/s sx's and discontinuous branching veinlets (more abundant in amZXS)	
ML143	220.4	222.8	10							mt am cc po vs gt cpy apy					mtZXS with mt and am rich bands with a cc matrix and a minor pb gt-ve-am interval. Sx's occur in patches d/s and in veins.	
ML143	222.8	225.6	6							px am gt vs cc mt iv? Po py cpy apy sh					pb gt- vs-am with a fine matrix containing cc with intervals of amZXS and pxZHF. Ds sx's. within amZXS there are rounded sheelite blobs. <1% sh with apy and cpy sx's dominated by po.	
ML143	225.6	234.2	5							px am si po py					tnb-lam pxZHF po-am orbicules with bleached halos py-am-cl veins and discontinuous veinlets.	
ML143	234.2	237.1	6							px am bt cc po gt ve mt apy cpy					bands of amZXS icg am with cc matrix with ds sx's. intervals of pb gt-ve+am with a ifg matrix containing cc. minor bands of pxZHF	
ML143	237.1	239.4	5							px si po py am					lam to tnb px hornfels (st-sfg) d/s po and py rare po alt bands. Veins are sub // and cut across bedding and are often discontinuous. po±am±px orbicules with bleaching halos. d/s sx's. minor microfaulting mm scale displacement in paler horizons.	
ML143	239.4	247.6	5							bt px si am gt ve po py					intervals of btZHF with pxZHF and lesser altered ST. grainsize varies from st-sfg minor pb zones of gt-ve-cc. rare orbicules of am-po with bleaching halos. d/s sx's and thin discont veinlets.	
ML143	247.6	251.1	3							py bt si px					st-sfg. mdb-tnb with minor px-bt-py alt, 20cm band of gn-cm pxZHF.	
ML144	0	11.7	0							px					weathered fractured core at hop of hole. Comprises SST with minor px alteration.	
ML144	11.7	18.6	2							px bt po					tnb to mdb HF with px>bt alteration and short intervals of minimally altered SST. Bedding frequently offset by microfaulting (<1cm offset). Abundant veinlets qz-po occasionally concordant with bedding horizons. Patchy vfg po alteration also. Px alteration	
ML144	18.6	22	2							px bt po					more strongly altered pxZHF than above. Creamy lgn to lpl px alteration surrounding intensely veined areas of alteration - giving near brecciated appearance in short intervals. mm scale faulting and fracturing.	
ML144	22	23.5	3							px po					strongly altered pxZHF with abundant thin po veins and thicker (<1cm) cc veins. ds po and patchy po alteration.	
ML144	23.5	24.1	2							cc po px gt	gt-cc, px-cc				thin carbonate horizon. Wt sfg carbonate rich interval with abundant thin (<1cm) cc veins. Patches (<3mm) vfg po ds throughout. Appears porphyroblastic for 15cm interval - gn ?px porphyroblasts in carbonate matrix; also few porphyroblasts fr rd gt in carb	
ML144	24.1	29.4	3							px vs gt po py	gt-po, vs-po, gt-cs, gt-cc, gt-px, vs-px.				strongly altered pxZHF with abundant thin cc-po veins and patchy po alteration. px alteration concentrated around po veins. At 25.4m 60cm interval vzZXS: ms dun coloured vs apparently replacing merged gt porphyroblasts. Also pb texture with lbn gt porph	
ML144	29.4	34.6	1							bt px am cl					btZHF with lesser intervals pxZHF and minor minimally altered SS and ST. mm scale faulting.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML144	34.6	39.6	3							px bt po am cl					strongly altered pxZHF with px alteration strongest around po-px veins. Patchy po alteration, patchy am also.	
ML144	39.6	41.8	5							po px					distinctive and uncommon regular lam-tnb creamy resinous lbn pxZHF with abundant very thin (<3mm) po veins; intricate network creating brecciated appearance. mm-cm scale faulting offsets tnb. Minor patches vfg po.	
ML144	41.8	46.9	1							bt px po am cl cc cpy					tnb-mdb sfg-smg dbn btZHF with px alteration surrounding veins and lesser intervals pxZHF. pxZHF contains po and px rich horizons of increased alteration concordant with bedding. 20cm interval at 46.6m of sx and cl rich carbonate.	
ML144	46.9	61.2	1							bt					sfg-smg tnb-mdb SST with minor bt alteration.	
ML144	61.2	91.2	1							px bt am po cpy					Interval of core fallen from vehicle - pieced together, however inaccurate and many core blocks lost position. Core from this interval can be poorly constrained. Comprises predominantly unaltered gy SST, variably fractured with cl on fracture surfaces, no	
ML144	91.2	112.3	1							bt px am					tnb sfg-scg predominantly unaltered SST. Very minor px and bt alteration. Non-magnetic, variably fractured. Short (<10cm) intervals of apparent pb texture - am pb with SST matrix with ?px pb at edge of intervals.	
ML144	112.3	124.1	1							px bt					SST with increased px alteration compared with 91.2-112.3m but remains minor. Increased qz-cl and cl-po veining.	
ML144	124.1	134.2	1							bt					dgy sfg-smg SST with thin cl and sb veins. Short intervals bk SM.	
ML144	134.2	138.9	0							px					dgy SST with spotted appearance: black rounded specks of 2-3mm diameter with equal hardness to host SST, which follow bedding horizons. ?early alteration of scg beds by px.	
ML144	138.9	144.2	1							px bt					SST with increased px>bt alteration concentrated around veins. Second generation of pure po veins younger than qz-cl-sb veins. Non-magnetic.	
ML144	144.2	145.7	0							px					fracture zone comprising gy SST with qz-cl and cc veining - fracturing predominantly along vein surface.	
ML144	145.7	152.6	0							bt px					SST with minor bt and px alteration - blue tinged ?px alteration surrounding veins. Variably fractured with intermittent areas of spotted appearance. Increasing px alteration downhole but remains minor. Short intervals intensely qz-cl-sx veined.	
ML144	152.6	191	1	0	0	0	0	0	0			spt		mdb-tkb	minor ripup zones in mdb-tkb sandstone beds, locally weakly ?am spotted	
ML144	191	196.5	2	0	0	0	0	0	0							
ML144	196.5	198.7	5	0	0	0	0	0	0			mot		tnb-mdb	cc-fl-bt veins have bt halo overprinting the px hornfels	
ML144	198.7	206.9	2	0	0	0	0	0	5	0		mot		mdb-tkb	bands <40cm wide of px hornfels with some fg pk ?gt, ?ve-am veins have px haloes, hairline am veinlets overprint px hornfels	
ML144	206.9	214.6	2	0	0	0	0	20	0		gt→ve	pbl		tnb-mdb		
ML144	214.6	217.5	30	1	0	0	3	0	0			mas sqp		tnb-mdb	po non- to weakly magnetic, am & po massive, asp prisms up to 5mm size, rare relict prismatic quartz-siderite skarn at dhole edge of interval	
ML144	217.5	218.8	2	0	0	0	0	20	0		gt→ve	pbl		tnb-mdb		
ML144	218.8	220	5	0	0	0	0	5	0	0		sqp wrg		tnb-mdb	relict patches of prismatic qz in siderite texture, soft gn mineral pseudomorphing rhombs of carbonate	
ML144	220	226.6	2	0	0	0	0	20	0			pbl		tnb-mdb		
ML144	226.6	230.8	5	0	0	0	0	0	0	0		mot		tnb-mdb	approx start of Carter's Ripup Beds, purple hue throughout = fg ax?	
ML144	230.8	234.8	2	0	0	0	0	0	0	0		mot		mdb		
ML144	234.8	244	5	0	0	0	0	5	0			pbl mot		tnb-mdb		
ML144	244	244.8	10	20	0	0	0	0	0			mot		tnb-mdb	qz-rich hornfels	
ML144	244.8	245.5	30	10	0	0	5	10	0			pbl sqp		tnb-mdb	qz prisms being replaced by ?amphibole or ?chlorite	
ML144	245.5	251.5	5	20	0	0	0	0	0					tnb-tkb	translucent gy ?qz alteration haloes around the qz-am-cpy veins, possibly some euhedral qz in the veins, some grit beds	
ML144	251.5	254.8	5	0	0	0	0	0	0			mot		tnb-tkb	some grit & pebble conglomerate beds, pale green sericite alteration	
ML144	254.8	258.2	2	5	0	0	0	0	0		gt→ve	mot		tnb-tkb		
ML144	258.2	263.5	0	0	0	0	0	0	0					tkb	sandstones up to coarse sand grade	
ML144	263.5	271.7	0	0	0	0	0	0	0					tkb		EOH 271.7m
ML145	0	23.8	0												Rubby mox clay with lesser intervals fractured gy SST with lm on weathered surfaces. Non-magnetic.	
ML145	23.8	31.8	1												fractured wox SST with lm on weathered surfaces. qz veins with ? sx weathered out. Lesser RCLY horizons. Vein components often weathered to clay.	
ML145	31.8	64	1							bt px					fresh SST with abundant thin px veins and fewer thicker (<1cm) qz-cl-sx veins. Minor bt alteration surrounding veins. Non-magnetic.	
ML145	64	84													pxZHF with po-fl/qz-tu-sx veins	
ML145	84	87.2													amZXS + po, asp, bt	
ML145	87.2	92.7													variably fractured cl rich amZXS with two fault breccias	
ML145	92.7	94.5													amZXS + cl, bt, po	
ML145	94.5	98.5	10							2 py am bt py ve vo					tnb pxZHF with abundant am veins and later stage qz-fl-tu-py veins (can be discon and anatomosing). Minor <15cm thick am-ve-py-vo ZXS within amZXS are ve and d/s sx's mostly py.	
ML145	98.5	100.3	20							5 am py px vo ve					banded amZXS with ve, py and vo with minor very thin beds of pxZHF very rich in am (65%) d/s sx's and thin py veins. Vo more abundant down hole.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML145	100.3	103	5						40	vo ve am py					banded vo-ve-am ZXS with fine d/s sx's vo occurs as bands following original bedding with fibrous/accicular radial vovth weak/rare mt pseudomorphs. Between vo bands are yw ve rich bands (20% of interval). Relict patches of porphyritic texture with ve por	
ML145	103	112.9	5						5	px am py ve vo bt cl po mt gt					weakly fractured pxZHF with thin bands <20cm of amZXS and lesser voZXS. Healing cc-py-cl veins, more intensely fractured from 109.8-111.2 XFG. within pxZHF there are abundant am veins with gn am selvages. Within voZXS there is a rare relict po texture of	
ML145	112.9	114.8	5						10	am px vo py ve cl mt apy					amZXS with lesser bands of pxZHF. Vo becomes more abundant and occurs d/s in amZXS and in coarser bands with around 50% vo. Has a relict po texture of am porphyroblasts and a vo matrix. d/s py and rare d/s apy	
ML145	114.8	116.4	0						0	cl					fractured amZXS and minor pxZHF fault breccia which has had different stages of movement on the fault; thick cl-cc veins with thin lam of alt cc and cl within healing veins suggest pulses of fluid. Cc veins have been fractured and re healed by later cc	
ML145	116.4	119.1	2						5	px am ve py vo vi mt gt					weakly fractured pxZHF with bands of am-co-ve and py alt. but unit mostly pxZHF with weak am and gt alt. vo-mt bands. Small vuggs on core and within veins sx's weathered out.	
ML145	119.1	121.1	2						20	px am vo ve cc py gt					banded po voZXS and pxZHF, gt-am alt of pxZHF. Within voZXS there is a several relict po textures with px-cc porphyroblasts and partial vo matrix replacing cc. Other po textures include am-vo and ve-gt-am-vo.	
ML145	121.1	128.6	1						1	px gt cc am vo sx					lam-tnb pxZHF with lesser thin bands of gt-px-cc with a po texture (gt's are pk). Earlier gt bands have been partly replaced by am-vo. Cc healing veins.	
ML145	128.6	131.9	5						10	am cc px vo py					weakly fractured am-cc-vo ZXS with vuggy texture where cc and sx's have been partly weathered out. Several very distinct po textures of cc porphyroblasts and am-vo matrix and am porphyroblasts with vo matrix and cc-px po texture.	
ML145	131.9	137.7	3						10	px am vo cc gt mt					banded voZXS (am-cc-vo), gtZXS (gt-px-cc) with relict patches and bands pxZHF. Vo occurs as matrix surrounding px-cc and am porphyroblasts and as patches of icg fibrous/accicular radial vo with mt associated. Vo has been strongly pseudomorphed by mt in p	
ML145	137.7	139	2						10	am cc px gt vo py					bands of amZXS composed of am-cc and icg accicular vo with rare PK gt-cc-px patches. From 138-139m v icg eu crystals of cc-vo bk gt hexagonal, vitreous crystal with a hardness ~6.5 moh with a brittle fracture. Occurs with a cc-am matrix	
ML145	139	149.9	2						5	px bt cl am gt ca vo py					moderately fractured pxZHF with veins and patches of weakly porphyroblastic pk gt-ca-px±cl. At 142.7m there is an irregular band that has gt-ca-px that has been partially altered by accicular vo that has been subsequently pseudomorphed by mt which has reta	
ML145	149.9	153.2	2						10	am px vo cc gt ve mt py po apy					bands of ms amZXS- img am, vo and d/s apy py po interbedded with porphyroblastic vo-am ZXS interbedded and pxZHF. The po am ZXS contains numerous po-matrix combinations. Within vo rich bands am±gt±ca±ve from por-b, with am rich bands am-cc-gt's can form	
ML145	153.2	155.1	0						0	ca cc gt px am cl	gt-cc				gtZXS with pk gt porphyroblasts with a spotted patchy gy-cm matrix of icg cc and gn ca intergrown with px-cl? am sometimes form porphyroblasts am after gt. img-icg. Gt po sometimes merge and form bands.	
ML145	155.1	158.2	0						0	ca cc gt px am cl	gt-cc, am-cc				Bands of less altered silty carbonate with interbeds of po gtZXS and pxZHF and am altered carbonate with am por-b. fibrous am rims around some gts. Purple mineral ax?	
ML145	158.2	160.9	2						0	am ca py gt ve po					Distinctive wt gn spotted med. - coarse grained skarn dominated by am pb in fine grained cc-rich matrix. Am pb replacing gt - range from pseudomorphs to medium grained subhedral prisms. Minor gt + ve. Minor chloritised and pyritised fracture zones.	
ML145	160.9	161.8	1						0						Cc cemented chloritic fault breccia with trace pyrite.	
ML145	161.8	163.7	1						0	gt am ca					Variably am altered pb gtZXS. Gt pb med. grained, subhedral. Interbedded with dk gy sfg mdb SST.	
ML145	163.7	165.9	0						0	cc gt am					Variably fractured cm - dk-gy tnb sfg calcareous siltstone with minor gt - am alt. Fractures healed by cl - related to adjacent fault zone.	
ML145	165.9	168	3						0						Pyritised chloritic fault breccia with variable cc cement.	
ML146	0	4	0	0	0	0	0	0	0							
ML146	4	53.8	0	0	0	0	0	0	0							
ML146	53.8	79.7	0	0	0	0	0	0	0							
ML146	79.7	170.2	1												mod-highly fractured interval ST-smg, lam-tnb. Rip up clasts, graded beds younging downhole. More abundant px-qz-py veining. Zones of intense weathering and fracturing 86-88m (poor recovery). Weak patchy magnetism.	
ML146	170.2	172.3	0.5	0	0	0	0	0	0			mot brc bnd	lam-madb			
ML146	172.3	177.2	0.5	0.5	0	0	0	0	0			bnd spt	lam-mdb			
ML146	177.2	182.3	2	0	0	0	0	0	0			mzn mot	lam-mdb	mcf	mostly scg SS w/ mf rip ups w/ lesser intervals of ST and sfgSS. Lam-mdb distorted by mcf. Ripple x-lam. Thick am-posqz in pxZHF most hairline po in btZHF at 181.8-10cm icg aci am band?	
ML146	182.3	183.8	2	0	0	0	0	0	0			dis mas			mas ifg btZHF hairline po. Ifg dis po	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML146	183.8	186.1	1	0	0	0	0	10	0			pbl mas	lam-mdb	mcf	1. pxZHF st-scg (mudflakes) wt-pk gn w/ patchy zones of btHF, mzn w/ gt-px veins. At 184.9 large zoned hexagonal gt→am partial. 2. gtveZXS pbl & patchy pmot zones of ifg mas gt px matrix alt→am. Interstitial voids filled w/ cc±gt	
ML146	186.1	189.1	5	0	0	0	0	0	0			bnd mzn lam dis	lam-tnb	mcf	mostly st-sfg ss w/ minor scg SS (+MF). Mineral zoning following lam. Dis ifg po & hairline po veins	
ML146	189.1	193	1	0.5	0	0	0	0	0			mzn bnd lam	lam-mdb		qz-rich scg SS w/ lesser interbeds of thinly bedded ST. Minor mud rip up clasts. Px-amZHF w/ lesser intervals of btZHF	
ML146	193	194	5	0	0	0	0	0	0			mzn mot	tnb	mcf	strongly deformed pxZHF. Mot soft sed def? w/ abundant syn alt mcf. St-scg tnb-lam	
ML146	194	195	2	0	0	0	0	40	0			pbl tab orb		slk	rd-bn gt pbl partially alt to ve. Matrix composed of ve-am, minor cb, py & po - partial alt of px to am interstitial voids ≤2cm filled with cc±tab ve. Orb ve of gt	
ML146	195	196.3	3	0.5	0	0	0	1	0			pbl sqp	lam-tnb		btcbZXS strong overprint-relict patches of gtveZXS & qzsdZXS. Veins of sd-da-qz-bt alt eating into. Interbanded Stage 1A & 1B	
ML146	196.3	208.3	8	5	0.5	0	0	0	0		am→bt am →cl	bnd sqp euh spt dis	tnb	slk	remnant sqp text. Euh am→cl, grn mt, nonmagnetic po mostly in dis patches. Slk cc-cl-py on frc surfaces. Strong bt overprint	
ML146	208.3	219	3	0	0.5	0	1	0	0		am→bt	bnd lam mot tab sqp	lam-tnb		grn mt forming bands & patches, interbanded w/ am→bt. Relict qz-cb bands + veins. Icg dis asp + aggregates w/ po. Minor bands & blebs of sh	
ML146	219	226.1	2	0.5	0	0	0.5	0	0		am→bt	lam sqp dis spk	lam-tnb	mcf slk	dis + vein magnetic po. ~20cm icg qsp from 214.7m w/ psm →2cm	
ML146	226.1	232.4	5	1	0.5	0	4	0	0		am→bt cb→po	lam spk sqp dis	lam-mdb		dis + vein magnetic po, some enclosing qz psm--therefore pseudomorphing cb?	
ML146	232.4	233.8	2	0.5	0	0	0	20	0		gt→ve	pbl bnd euh aci	tnb-mdb		gtveZXS w/ minor bands 1° clustered in cb matrix. Gt+am+sulfide replacement of cb+qz(?) in veins. PBL overprint SQP? Euh am+ve & aci am	
ML146	233.8	235.7	15	0	5	0	0	0	0		am→bt bt→cl	euh aci mot dis			dis + vein magnetic po. Euh icg sh →15mm & xclusters of euh-aci am (→15mm) in cb matrix patches. Bands of ifg grn ±aci(?) mt in am. Bloches of dgn am±cl inpgn am+cb(?) matrix = overprinted pbl?	
ML146	235.7	239.1	3	0	0	0	0	30	0		gt→ve	pbl mot lam euh dis	lam-mdb		magnetic po. Predominantly gt+ve alt w/ minor bands & intermingled am. Veins + dis sulfide	
ML146	239.1	242.6	3	0.5	0.5	0	0	1	0		gt→ve	lam spk euh	lam-tnb	mcf	lam of am (sometimes icg euh) w/ dis + patches grn mt. Minor bands cbmt spk & gtveZXS. Minor qz w/ remnant sharp edges = relict sqp? Being overprinted by am	
ML146	242.6	248	0.5	3	0	0	0	40	0		gt→ve	bnd pbl tab euh mot	lam-tnb	mcf	euh cb + ve in large mot patches within bands gt→ve. Minor dgn + bn bnd qzZHF	
ML146	248	255.5	3	20	0	0	0	0.5	0		am→cl	bnd mot euh dis sqp pbl spt	lam-mdb	mcf	v. Hard ZHF (qz?), zones coloured gn or bn by ivfg am or bt. Blobs of am+po alt + veins. Minor bands gtve. ~20cm from 250.7m of cb w/ am→cl pbl + icg fl	
ML146	255.5	258.3	3	0	0	0	0	20	0			pbl bnd aci	tnb-mdb	mcf	gtcbZXS w/ significant 1° ve almost aci. Minor blobs bk mineral H-7 = am? Tu??	
ML146	258.3	261.1	5	20	0	0	0	0.5	0			lam spt mot	lam-tnb	mcf	hard bn + cm-gn lam ZHF--qz? Mot of am+po w/ px halos. Bands of spt am in px. Blobs + veins of weakly magnetic po	
ML146	261.1	264.5	2	3	0	0	0	0	0			mot		mcf	mot bttam±px±qz alt SST. Large patch of am+po alt at 262.0m. Coarse SS-ST protolith. Bed bases offset by mcf	
ML146	264.5	291.9	1	0.5	0	0	0	0	0	rd 0.5		mot	tnb-tkb	mcf	weakly alt. SST. Minor zones bt alt + patches am-po-px alt. Py+cl on frc surfaces. Bed bases deformed, uneven & often offset by mcf. Facing both ways? Reverse grading??	
ML147	0	8.4	0						0						fe-stained clay weathered SST at top of hole.	
ML147	8.4	15.6	0						0						broken gy SST at top of hole, fractures coated with wt clay and weathered adjacent. Lesser intervals RCLY.	
ML147	15.6	21.2	0						0						mox-vox og interval of SST weathered to clay, mostly fractured to rubble.	
ML147	21.2	25.4	0						0						variably fractured SST with lm and clay coating weathered surfaces. Non-magnetic. Veins of soft wt clay.	
ML147	25.4	42.9	0						0						fresh to wox SST, predominantly fractured to rubble with lesser intervals intact core. Lm and clay on fracture surfaces. Non-magnetic. Soft wt clay veins.	
ML147	42.9	49.2	0						0						fresh tkb SST, non-magnetic, with cl and lm on occasional fracture surfaces.	Case off HQ-NQ at 46.3m
ML147	49.2	59.2	1						0 px						variably fractured gy tkb SST, sfg-smg, non-magnetic. Cl ubiquitous in veins, on fracture surfaces, and in speckled texture surrounding cl veins. fg qz-cl veins forming anastomosing networks with surrounding weak px alteration.	
ML147	59.2	61	1						0 px						fractured fg ST with weak px alteration and abundant thin cl veins and tension gashes. Extensively fractured from 60.3-60.5m to rubble. Microfaulting offsets veins.	
ML147	61	62.1	0						0						cohesive fault breccia with >95% clasts. Clasts composed of lgy SST; cl cement.	
ML147	62.1	68	2						0 px						variably fractured SST with cl on fracture surfaces. Common qz-cl veining with surrounding weak px alteration. Po veins with ?fl weathered out. Non-magnetic.	
ML147	68	107.2	1						0 px						SST with decreased veining and alteration compared with 62.1-68.0m. Sfg-scg, variably fractured with increasing intact core downhole, and cl on fracture surfaces. Minor weak px alteration around veins. Occasional thick qz>cl veins (2-3cm).	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML147	107.2	143.3	1							0 px					dgy sfg-smg mdb to tkb SST. Qz-cl-sx veins, up to 3cm thick. Occasional veins of weathered ?fl (translucent to transparent, vitreous lustre, moh 3-4, cubic). Minor bands of weak px alteration. Non-magnetic.	
ML147	143.3	148.2	0							0					broken zone of dgy SST, cl on fracture surfaces. Weakly magnetic.	
ML147	148.2	163.4	0.5							0 px					tnb gy weakly magnetic sfg-smg SST with graded bedding showing younging downhole. Moderate patchy magnetism. At 158.4m 6cm qz-cl vein crosscut by later cc veins. Minor fracturing along cl veins (157.8-158.4m). Minor weak px alteration around veins, increa	
ML147	163.4	164.6	0							0					fracture zone comprising sfg SST fractured to rubble, with minor cl on fracture surfaces. Non-magnetic.	
ML147	164.6	196	1							0 px					dgy to gy sfg-smg-scg tnb to mdb SST with sfg beds tnb, coarser beds mdb. Non-magnetic to weakly magnetic. Qz-cl veins often fg and occasionally thick (<3cm). At 172.2m is 40cm interval of anastomosing network fg qz-cl veins. At 181-183m qz-cl and qz-am ve	
ML147	196	196.3	1							0					short fractured zone of SST with cl and py on fractured surfaces. Dgy moderately magnetic sfg ST.	
ML147	196.3	223.1	1							0 px cl mt					dgy sfg-smg mdb to tkb SST with spotted cl texture in vein selvages. Non-moderately magnetic. At 198.4m am-cpy vein network with strong cm px alteration surrounding. Minor mt in speckled texture in am alteration zone surrounding qz-am vein at 213.7m. Mino	
ML147	223.1	269.4	1							0 px am cl mt					dgy sfg-smg tkb SST, variably fractured with minor cl on fracture surfaces. Minor px and am alteration, particularly in vein selvages. Spotted cl alteration in cl vein selvages. Weak to moderate magnetism. Minimal quantity veins but large variation in ass	
ML147	269.4	300.7	0							0 px am					fresh dgy sf-smg tnb-tkb SST with minimal weak px alteration around am veins. Monotonous SST unit, lacking varibale vein assemblage observed uphole. Non-weakly magnetic.	
ML147	300.7	301.8	0	0	0	0	0	0	0	0		mot	lam-tnb		weakly alt SST. Uneven bed bases	
ML147	301.8	312	1	0.5	0	0	0	0	0	0		bnd mot	lam-mdb	mcf	intermingled decimeter-sclae zones of am & bt alt. Minor ifg dis cpy & coarser po + py conc. In diffuse patches, commonly assoc. Am. Nonmagnetic po	
ML147	312	315.2	0.5	0.5	0	0	0	0	0	0		bnd	lam-mdb		decimeter-scale zones pf px & btZHF w/ minor pk tinged bands. Minor icg cl flakes in veins	
ML147	315.2	319.3	1	5	0	0	0	0	0	0		mot dis	lam-mdb	mcf	mixed bt-px+am alt. Px-am greater around more intensely veined zones	
ML147	319.3	321.9	1	20	0	0	0	2	0	0	gt→ve	lam mot pbl dis	lam-mdb	mcf	dis + streaks, veins & blobs of weakly magnetic po. Numerous mcf & veins. 3 minor bands of pbl gtveZXS	
ML147	321.9	326.6	3	1	0.5	0	0	10	0		am→bt→cl gt→ve→am	euh mot sqp pbl bnd aci	lam-mdb		relict sqp in veins through gtveZXS overprinted by am-alt and amZXS. Magnetic po. Significant zones of apparent pbl text. Consiting almost entirely of am	
ML147	326.6	327.8	2	0	0	0	0	3	0		am→bt gt→ve	mot spt lam euh aci	lam-mdb		grn mt spt overprint of amZXS except in some badns where am pbl (after gt?) occur in mt matrix	
ML147	327.8	329.2	1	1	0.5	0	0	0.5	0		am→bt→cl gt→ve→am	lam euh aci spt	lam-mdb		amZXS very similar to previous interval but with markedly less mt and only trace gt-ve. Spt am in px and in mt = pbl?	
ML147	329.2	331	5	0	1	0	0	0	0		am→bt→cl	mot euh spt aci	lam-tkb		ifg mt + pgn am w/ mot streaks of non-mag po & patches icg euh-aci dgn am. Grn mt in spt bands replacing am +po? Relict trace sqp overprinted by am+bt-fl at 331.0m	
ML147	331	331.8	30	1	0.5	0	0	0	0		am→bt→cl	mot euh sqp spk	tnb-mdb		mt-po-am alt w/ significant alt of am to bt+cl. Euh da assoc. Qz psm & relict cb	
ML147	331.8	334.9	3	3	1	0	0	0	0		am→bt→cl	euh sqp pbl			icg amZXS w/ veins bearing sqp & bands of pbl(?) am in mt matrix. Icg cs in qz-rich vein at 334.5m w/ significant associated sh. Grn mt. Bt hexagonal "books" in some veins. Significant bt-cl overprint of am.	
ML147	334.9	336	2	2	0	0	0	0	0		am→bt→cl	mot bnd sqp spt	mdb		cs mainly assoc qz-dominated vein at 335.1m & proximal to relatively pristine am. Bt-cl overprint elsewhere in interval	
ML147	336	346.5	5	5	0.5	0	0	0	0		am→bt→cl	lam mot euh aci sqp orb	tnb-mdb	mcf	mixed sub-0.5m zones of mt-rich lam and comparatively mt-poor amZXS. Sqp?~nearly completely obliterated by orb(?) am in bt matrix (minor bands). Minor cm-scale veins w/ ivcg psm am in cb matrix (psm →20mm) + minor bands pxZHF	
ML147	346.5	353.3	4	1	0.5	0	0	0.5	0		am→bt→cl gt→ve	lam mot euh sqp dis		mcf	interlaminated am & mt-dominated bands. Often dgn am spt-pbl(?) in mt matrix. Relict sqp in veins. Magnetic po in veins + dis. Minor bands gtveZXS & amZHF	
ML147	353.3	360	5	2	0.5	0	0	0.5	0		am→bt→cl gt→ve	lam mot euh spt spk sqp		mcf	magnetic po in veins & dispersed amongst ifg-icg am. Interstitial cb most apparent in badns w/ icg euh am. Trace sqp + minor bands weakly developed pbl gt→ve	
ML147	360	362.9	4	0	0.5	0	0	0.5	0		am→bt→cl	euh bnd spt aci	tnb-mdb	mcf	bands grn mt spt so dense as almost near mas mt in places. Other am bands nearly mt free. Minor gtveZXS. Icg sub-euh am in cb matrix being overprinted by mt. Magnetic po	
ML147	362.9	366	1	2	0	0	0	5	0		gt→ve am→bt	pbl bnd euh aci dis	lam-mdb		intercalated gtveZXS, weakly pbl in places, w/ icg amZXS + minor am-pxZHF w/ dis po. Veins = icg am (euh-aci) in cb w/ py. Trace am in px spt. Magnetic po.	
ML147	366	369.7	15	3	0.5	0	0	0	0		am→bt am→mt	mot lam euh aci sqp bnd	lam-mdb		bnd grn mt, euh-aci am in cb. Relict sqp. Trace aci mt after am(?) in isolated needles	
ML147	369.7	375.8	3	2	0	0	0	10	0		gt→ve	lam pbl euh aci	lam-mdb		gtZXS→ve w/ minor bands amZXS ± pxZFH	
ML147	375.8	379.5	4	2	0	0	0	0	0			lam spt			minor blobs po + am. Dis po + py. Mostly weakly dev. Px-btZHF	
ML147	379.5	385.9	5	1	0	0	0	0	0	ze 0.5		mot bnd dis	lam-mdb		weakly developed btZHF w/ dis po + minor bands pxZHF. Blobs po+am w/ px halos.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML147	385.9	389.2	5	0	0	0	0	10	0		gt→ve→am	pbl	lam-mdb		gtveZXS w/ minor bands & patches amZXS; some am pbl after gt? Other amZXS bands rich in mt.	
ML147	389.2	391.6	5	0.5	0	0	0	5	0		gt→ve	lam bnd pbl dis mot	lam-mdb		px-btAHF w/ minor bands gtveZXS. Blobs/patches po+am w/ px halos.Minor mud-chip cong.	
ML147	391.6	392.3	8	5	0	0	0	0	0			mot dis	lam-mdb		bright pbn lam-mot ZHF. Mixed bt+px+qz w/ significant veining.	
ML147	392.3	403	3	1	0	0	0	0	0			mot dis			weakly developed btZHF w/ bands pxZHF & am-po w/ px halos.	
ML147	403	410.3	0	0	0	0	0	0	0				tnb-mdb		patches & bands of am-px-po in otherwise only weakly bt-alt SST	
ML148	0	25.8	0						0						very fractured wox to fresh dgy SST at top of hole. Weathered to clay in short intervals. Fracture surfaces coated with lm, clay. Predominantly non-magnetic with patchy weak magentism,. Common veins of soft wt clay.	
ML148	25.8	53.8	0						0	px					fresh sfg-scg SST commonly fractured to rubble with short intact intervals (<1m). Fracture surfaces with lm, clay. Occasional short intervals anastomosing qz veins with rare weak px alteration. At 40-41.6m and 48.8-49.0m are intervals of increased qz-cl v	
ML148	53.8	54.4	0						0						fracture zone comprising intensely fractured SST with ubiquitous cl on fracture surfaces, with minor clay and lm also.	
ML148	54.4	61.5	1						0	px bt					tkb dgy SST sfg-smg with minor weak px and bt alteration, non-magnetic. Common fg qz-cl-sx veins which are offset 1-2cm by faulting, with fault gouge (<5mm) also comprising qz-cl. At 59.4m is a 3cm am-po vein with px alteration, and distinctive texture in	
ML148	61.5	64.5	0						0						fracture zone comprising SST fractured to rubble in places, most intensely at 64.3m. Abundant qz-cl veining.	
ML148	64.5	72	1						0						gy SST, variably fractured with cl, clay, and minor lm on fracture surfaces. Spotted texture with cl specks in vein selvages. Non-magnetic.	
ML148	72	74.4	0						0	cl					dgy intact tnb to mdb sfg-smg SST with weak spotted cl alteration around cl veins. Non-magnetic.	
ML148	74.4	77.2	1						0	bt px am					tnb to mdb SST with moderate bt and px alteration. Distinctive vein texture as noted uphole: am-po blebs surrounded by strong cm px alteration. Thin bands am alteration also. Non-magnetic.	
ML148	77.2	82	1						0	bt px am po					lam to tnb moderately altered pxZHF with bands of am and am-po alteration. Distinctive horizons with spotted texture comprising pxZHF spots with cm px matrix. Also continuation of distinctive vein texture observed uphole: irregular am blebs surrounded by	
ML148	82	83.6	0						0						fracture zone comprising lgy pxZHF. Fractured to rubble in places with lm on fracture surfaces.	
ML148	83.6	89.1	3						0	px cl					lgy tnb weakly altered pxZHF with lesser px-altered SST. At 88.1m is 5cm thick py-cl vein oblique to core axis where cl has predominantly weathered out. Vein has approximately 30cm cl alteration zone, most pronounced downhole, comprising SST with dgn cl a	
ML148	89.1	94.5	1						0						fresh dgy sfg-smg, tnb-mdb SST with minor microfaulting (<1cm offset). Non-magnetic.	
ML148	94.5	101.1	1						0	bt px					btZHF with lesser pxZHF intervals. Weak to moderate bt and px alteration, increasing downhole. Variably fractured, with occasional stockwork of fg qz veins. Px alteration moderate to strong around am-sx veins and blebs. Qz-cl veins are occasionally zoned	
ML148	101.1	106.1	4						0	px po					moderate to strongly altered pxZHF with alteration intensity increasing downhole. Py veins with weathered out ?cl. Microfaulting offsets tnb. Minor brecciation of pxZHF within py-cl veins. Minor spotted cm px texture within lgy pxZHF. Patchy vfg po altera	
ML148	106.1	114.6	4						0	px gt po am	gt-px>gt-cs>gt-ampo				pxZHF with interbedded gtZXS horizons (<60cm). pxZHF: strongly altered cm-igy-ign, tnb to mo. Microfaulting and veined with moderate intensity of thin po and cl-po veins. Lesser lgy ms weakly altered pxZHF. gtZXS: mo to pb with pk fresh gt, where pb textu	
ML148	114.6	116.6	0						0						mox pxZHF moderately altered to clay, fractured to rubble in places. Significant core loss.	
ML148	116.6	122	1						0	ca px gt am vs po cl	vs-cs, gt-cs				lgy to gy smg-scg calcareous siltstone and sandstone with interbedded pxZHF and gtZXS. caST: lam to tnb, weakly effervescent, cl veins and spotted cl alteration in vein selvages. Occasional wt strongly effervescent ca-rich beds. gtZXS: horizons within caS	
ML148	122	133.1	0						0						og to lbn to bright lgn clay, intact to fractured to rubble. Widespread distinctive lgn clay mineral - ? skarn protolith. Also lbn clay with relict tnb - ? pxZHF protolith. Non-magnetic. From 131.2-131.5m is interval of mox gy pxZHF, only partially altere	
ML148	133.1	134.5	0						0	px gt					moderately fractured and wox tnb moderately to strongly altered pxZHF. Spotted texture with cm px specks in lgy pxZHF.	
ML148	134.5	135.5	0						0						fracture zone comprising mox pxZHF fractured to rubble with moderate clay alteration. Core loss.	
ML148	135.5	139.1	1						0	px gt am cl vs	pt-px, gt-cc				pxZHF with lesser intervals gtZXS and interbedded caST. pxZHF: moderately to strongly altered, mottled with lesser tnb. Cl alteration and patches of the soft wt vitreous mineral noted uphole, which commonly have a cl margin. Thin veins of weathered out cl	
ML148	139.1	140.2	0						0	px cl gt					mox-vox pxZHF with tnb gt-rich band indentifiable. Weathered to c. 30% clay minerals and fractured to rubble. Tu - ?cl veins comparable to those noted uphole.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML148	140.2	147.9	3							0 px gt ca vs cc po cpy tu	gt-ca, gt-px				pxZHF with lesser intervals gtZXS and caST. pxZHF: lam to tnb to ms lgy and moderately altered. gtZXS: pk gt in tnb bands and thicker intervals. Ms to pb, where pb: gt-ca, gt-px (lbl px). Minor vs pseudomorphing gt. Associated cl and patches of soft wt un	
ML148	147.9	152.9	3							0 gt px ca vs am po cpy tu	gt-px, gt-ca, am-ca				gtZXS with lesser ca-rich SST and pxZHF. gtZXS: tnb to ms, with pb (3-5mm diameter) and ms pk gt, primarily fresh with minor vs replacement and lesser am replacement. Pb textures: gt-px, gt-ca, am-ca. Associated minerals: lbl px in bands within gtZXS, ca.	
ML148	152.9	162.4	0							0 px ca					ms to mdb SST with weak to moderate px alteration and weakly effervescent with HCl - minor ca throughout. Sfg-scg, with scg beds most calcareous. Px alteration most concentrated in cc-cl vein selvages	
ML148	162.4	167	0							0 ca px					lam-tnb-ms caST/SST with minor pxZHF. ST is commonly weakly-moderately effervescent, with lgy beds most calcareous. Px alteration in tnb bands and irregular patches. Minor microfaulting offsets lam bedding. Veins comprise cc and a weakly effervescent wt c	
ML148	167	188.2	1							0 ca px cc po					dgy-gy SST with lesser caST and minor pxZHF. SST is tnb-mdb, sfg-scg and weakly effervescent in places, particularly in scg lighter gy beds. Px alteration is weak to moderate. Microfaulting offsets few tnb beds. Occasional spotted texture within SST where	
ML148	188.2	193	0							0 ca px					sfg-scg lam to tnb caST and SST, weak to moderately effervescent with HCl. Thin lam bands cm px alteration with microfaulting offsetting lam. Veins of cc and a weakly effervescent lgn carbonate. Anastomosing network thin cc veins 189.7-190.4m.	
ML148	193	195.7	0							0 px					gy ms to tnb sfg-smg non-calcareous SST. Minor pxZHF bands, offset by minor microfaulting.	
ML148	195.7	196.7	0							0 gt px ca	gt-px, gt-ca				short interval of gtZXS within usual SST/caST/pxZHF sequence. Pk gt, pb texture dominates, with lesser ms gt. Pb texture: gt-px with lgn resinous px, and lesser gt-ca, where ca is lgy and weakly-moderately effervescent.	
ML148	196.7	202.6	1							0 px bt					lam to tnb to ms dgy SST, non-effervescent, with minor interval of mo pxZHF which has moderate px alteration, concentrated around veins. Also minor weak bt alteration towards end of unit. Non-magnetic.	
ML148	202.6	208.5	0							0					dgy ms sfg-smg unaltered SST with cl veins and spotted cl alteration in cl vein selvages. Non-magnetic.	EOH at 208.5m
ML149	0	10.2	0							0					mox to vox SST with lm on fracture surfaces. Extensively fractured to rubble. Also interval bn RCLY.	
ML149	10.2	27.4	0							0					fresh to vox gy-og SST, fractured to rubble in places, variably fractured elsewhere throughout interval. Lm on fracture surfaces. Minor patchy spotted cl texture. Abundant veins soft wt zeolite. Non-magnetic to weakly magnetic.	
ML149	27.4	28.1	0							0					interval of gy clay, wet, soft, and malleable. Non-magnetic.	
ML149	28.1	36.5	0							0					extensively fractured gy SST with lm on fracture surfaces with short intervals lbn-og RCLY. Most of interval fractured to rubble. SST moderately magnetic.	
ML149	36.5	38.5	0							0					Interval lbn-bn-og clay. Non-magnetic, vox cl identifiable on some surfaces.	
ML149	38.5	52.2	0							0 px					gy tkb sfg-smg SST, variably fractured with intact intervals increasing downhole. Lm on fracture surfaces. Very minor weak px alteration around qz-cl veins. Qz-cl veins anastomosing and brecciate small amount SST in places. Moderately magnetic. Minor micr	
ML149	52.2	56.4	1							0 px cl					lgy sfg-scg tkb SST with common thick qz-cl veins (<1.5cm) with weak px alteration zones. Widespread spotted cl texture, most pronounced in cl vein selvages. Irregular qz-cl veins forming network 55.1-55.6m with lesser am-po veining. Non-magnetic.	
ML149	56.4	86	1							0 px am bt					dgy sfg-smg tkb SST with qz-cl and qz-am-sx veins, which are crosscut by late thin cc veins. Variable mottled alteration. Variably fractured. Minor patches of px-am skarnoid alteration with wormy texture. Irregular thick (<3cm) am-po-cpy vein oblique to	
ML149	86	86.6	0							0					Chlorite coated fracture zone in SST as above.	
ML149	86.6	91.2	1							0 px am bt					dgy sfg-smg tkb SST with qz-cl and qz-am-sx veins, which are crosscut by late thin cc veins. Variable mottled alteration. Variably fractured. Minor patches of px-am skarnoid alteration with wormy texture. Irregular thick (<3cm) am-po-cpy vein oblique to	
ML149	91.2	104.2	0							0					Strongly fractured gy sfg mdb-ikb SST with minor qz-po veinlets. Fractures coated with cl.	
ML149	104.2	114.8	0							0					Dk-gy sfg tnb - mbd non-magnetic SST cut by thin planar qz-tu-po-ap veinlets at high angle to core axis.	
ML149	114.8	122.9	1							0 bt am pc					Tnb dk-dn dk-gn dk-gy strongly mottled bt- am- px- altered sfg hornfels. Cut by thin planar qz-tu-po-ap veinlets and thicker am-po veins with wt px selvages.	
ML149	122.9	132.85	10							0 px po am bt					Lt gy tnb svfg px-rich skarnoid. Cut by thin irregular qz-am veinlets with wispy wt px or gn am selvages, Orbicular patches of po sometimes appearing "stretched" parallel to S0.	
ML149	132.85	142.2	10							0 px gt am po vs					Lt gy svfg px-rich skarnoid as above with bands of medium-grained pk-og lt-gn gt-px skarn. Gt as fine - medium grained anhedral clusters forming glomerophrophyroblastic bands with lesser interstitial lt-gn px. Minor yw vs alteration at margins of gt grain	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML149	142.2	148.4	10							0 am px mt po vo cp ap					Lt-gy svfg px-skarnoid cut pervasively veined by irregular wispy am-po veinlets with strong am selvages. Bands of fine grained am-rich skarn + ds po+cp+ap+qz+cc have developed where vein intensity is greatest.	
ML149	148.4	151.3	10							5 am px mt po vo cp ap					Tnb mtZXS and pxZHF. Thin cm-scale bands of ms mt interbanded with am-sulphide bands. Vo intergrown with and veins mt. Pale px skarnoid is altered and replaced by fine-grained dk-gn am.	
ML149	151.3	152.1	10							0 px po gt am					Lm-tnb svfg lt-gy - pale pinkish gy px skarnoid cut ny wispy am-po veinlets.	
ML149	152.1	153.3	5							10 am px mt vo po gt cp ap					Tnb mtZXS and pxZHF. MtZXS thin cm-scale ms bands of mt and am-rich bands. Mt bands partially overgrown by "blotchy" vo, also cut by vo veins. Lesser po. Thin band of medium grained porphyroblastic gt - am skarn at lower contact.	
ML149	153.3	155.1	5							0 px ca po gt					Tnb svfg px skarnoid and dk-gy sfg caST. Px skarnoid cut by am-po veinlets, minor bands of lt-gn px- and pl-pk - gy gt- rich material occur in skarnoid. CaST have faint bleached spots.	
ML149	155.1	157.7	5							0 gt px vs am po					Fine- medium grained gt-px skarn. Gt forms glomerophorphroblastic bands of fine- medium-grained anhedral gt with interstitial px. Moderate yellowish vs alteration of gt. Minor disrupted packages of svfg lm gn - pl-pk px-gt skarnoid cut by am-po veinlets.	
ML149	157.7	158.6	2							0 ca px					Tnb dk-gy sfg caST with minor cm-thick beds of wt svfg pxZHF.	
ML149	158.6	161.9	1							0 cc gt px vs am po					Tnb wt recrystallised cc with thin bands of medium grained subhedral gt. Minor vs- am- alteration affects gt-rich bands.	
ML149	161.9	165	5							0 ca px ep po					Intermixed dk-gy sfg caST and gy-gn svfg pxZHF preserving disrupted and brecciated texture of protolith(?). Disrupted beds and irregular angular clasts of more siliceous material carry strongly ds po with gn ep alteration at margins with carbonate.	
ML149	165	167.9	1							0 cc gt px vs am po					Tnb lt-gy recrystallised cc with thin bands of medium grained subhedral gt. Minor vs- am- alteration affects gt-rich bands.	
ML149	167.9	170.35	5							0 px					Lm-tnb svfg gy - lt-gn px skarnoid.	
ML149	170.35	178	1							0 cc gt px am					Tnb dk-gy sfg caST and fine-grained gt-px-cc skarn.	
ML149	178	180.8	1							0 cc gt px am vs po					Tnb lt-gy - wt recrystallised cc (marble) with thin bands of gt+/-px skarn weakly - mod alt bt am + vs + po.	
ML149	180.8	182.7	2							0 gt px am cc vs po cp					Lm - tnb unit of am-sulphide altered fine- medium grained gtZXS and svfg dk-gy og-bn px-gt skarnoid.	
ML149	182.7	186.4	1							0 cc gt px am vs po					Tnb wt recrystallised cc (marble) with thin bands of gt+/-px skarn weakly - mod alt bt am + vs + po.	
ML149	186.4	214	3							0 gt px am cc vs po cp					Complex mixed unit of am-sulphide altered og-bn fine-medium grained gtZXS, dk-gy-gn dfg sometimes calcareous SST cut by irregular gt veins and lt-gy pl-pk-gy svfg px-gt skarnoid.	
ML149	214	219.2	0							0 px gt					Tnb sfg dk-gy-gn SST cut by irregular gt- gn-px veins. Veins are assoc. with pale px alteration.	
ML149	219.2	226.8	2							5 gt am px vs cc vo po cp mt					Tnb strongly am altered gtZXS. Am assoc. with intergrown vo, vs and sulphides. Mottled texture from pervasive overgrowth gt porphyroblasts by am, vs etc.	
ML149	226.8	228.1	0							0 cc gt px am					Tnb dk-gy sfg caST and recrystallised wt sfg cc marble with sporadic gt porphyroblasts.	
ML149	228.1	230	0							0 vs(?) px cc am					Lt bn resinous svfg vs(?) - px- rich skarn with irregular patches of cc+am.	
ML149	230	231.8	1							0 gt am cc po am					Tnb strongly am altered gtZXS with interstitial cc. Am replaces coarse grained subhedral porphyroblasts.	
ML149	231.8	235.6	0							0 cc gt px					Complex mixed unit of dk-gy sfg caST with irregular patches of wt recrystallised wt cc with sporadic medium grained subhedral og-bn gt. Irregular patches of lt-gy dk-gy svfg pxZHF	
ML149	235.6	251.5	2							0					Ms sfg lt-gy SST with pale px alteration controlled by irregular px-po veins.	
ML150	0	70.3	0	0		0		0	0				tnb-mdb	bkn	st-scg broken SST; minor px-alt. weathered og-clay coatings on fracture surfaces; weak-strong magnetism	
ML150	70.3	76.8	0.5	0		0		0	0			spt	lam-mdb	mcf	st-scg; bands of am-px spt alt. and weak bt alt.	
ML150	76.8	138.9	0.5	0		0		0	0				lam-mdb		st-smg; minor bands of alt. by px + am; horizons of broken ground. Patchy weak magnetism; zone of abundant qz-cl-py-am horizons	
ML150	138.9	145	0	0		0		0	0			mot	mdb		st-smg; weak bt alt. with minor am-px mot; fractures healed by rd + cc	
ML150	145	147.6	0	0		0		0	0				mdb	frc	frc SST st-sfg; intense cl-qz + am ifg-img veins; weak bt +px alt.; cc-cl healing fractures	
ML150	147.6	155.6	0	0		0		0	0			mot bnd	mdb		st-smg bt ZHF w/ lesser am-pxZHF	
ML150	155.6	170.4	0.5	0		0		0	0			bnd tad mzn	lam-mdb	mcf	pxZHF (60%) w/ am-alt. + am veins + am alt. halos; lesser btZHF (40%); am-po veining increasing downhole; hairline py veins	
ML150	170.4	181.8	1	0		0		0	0			bnd mot	tnb-mdb	mcf	mod. veined intermixed btZHF w/ am-alt. pxZHF; am-po veins; am selvages; shear tension gashes	
ML150	181.8	187.2	0.5	0		0		0	0				lam-tnb		btZHF w/ bands of lesser alt. ST; thick ~1cm veins at 186.0m	
ML150	187.2	196.1	1	0		0		0	0			mot	lam-mdb	mcf	st-smg; where am+po+cl veining intense & img pxZHF developed pxZHF has been am alt; hairline py veins where ST otherwise unalt.	
ML150	196.1	198.1	2	0		0		2.5	0		gt→ve	lam mot pbl bnd	tnb-mdb		1. gy ST w/ hairline po veins; 2. patches + bnd cm-gn-pl pxZHF w/am-po veining; 3. ZXS gt-px w/ gt having partial ve pseudomorph rims	
ML150	198.1	206.3	0.5	0		0		10	0		gt→ve	lam pbl tab dis			1. pbl gt→ve w/ minor tab ve in cc matrix, however px matrix dominant; 2. ccSS banded with pxZHF; 3. minor bands throughout	
ML150	206.3	207.3	0.5	0		0		20	0		gt→ve	pbl mot bnd tab rcz			1% radial tab original ve; recrystallised cc matrix	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML150	207.3	214.7	0.5	0		0		0	0			mot dis			mot px alt. throughout ex. veined ccSS; minor dis po in places	
ML150	214.7	218.3	0	15		0		0	0			mot lam sqp euh bnd dis			1. stage 1 euh qz psm in sd; 2. conc. bands of bt-cl w/ sd veins; 3. lam px-alt; py dis + veins throughout	
ML150	218.3	219.1	0	0.5		0		0	0			mas bnd sqp			mas mt w/ sd veins + minor bands of bt-cl	
ML150	219.1	223	0	0		0		20	0		gt→ve	pbl tab mot bnd lam			vuggy cc; weakly developed pbl of gt→ve + some tab ve w/ icg cc; minor bands of ccSS	
ML150	223	226.2	0.5	1		0		0.5	0		gt→ve	bnd spt euh spk sqp			minor band of gtveZXS; banded mt + bt alt. Relict psm qz + s+p texture?	
ML150	226.2	230.3	0.5	15		0		0	0			mot bnd psm dis spt sqp			1. bnd-mot sd w/ psm qz & dis po, py, cpy, sometimes conc. in bands. 2. spt btZXS w/ dis sulfides	
ML150	230.3	232.2	0.5	2.5		0		40	0		gt→ve	lam tab orb pbl			poorly developed pbl gt→ve + primary tab ve; orb ve primary?	
ML150	232.2	236.7	5	0.5		0		0	0	0.5 cs		lam bnd dis sqp spk			speckled bands ifg-img bt + cc + dis po; discontinuous irreg. po veins 5mm thick; minor bands of conc. mas mt replacement; minor qz psm in vein (sqp)	
ML150	236.7	247	0.5	30		0		0	0	0.5 cs		mot sqp lam bnd spk dis			interlocking qz-sd; icg sd + qz psm; minor conc. bands of mt + bt + cc + bands of s+p	
ML150	247	254	0.5	10		0		0	0	0.5 cs		lam spk sqp mot			bands of cb-bt spt w/ richer bt-mt bands; areas of intense sd veining w/ py+cpy, minor	
ML150	254	256	0	0		0		0	0	1 cs		mot lam sqp dis			icg-img; qz psm interlocking w/ sd matrix; icg dis cs, clustered in qz-rich bands; minor band of btcbZXS	
ML150	256	260.6	2.5	2.5		0		0	0			mot bnd spk sqp pbl			speckled bt-cc ± dis py w/ bands of >bt alt; minor qz-sd bands + s+p texture; icg bt originally am? icg psm qz + cc bands ≤5cm	
ML150	260.6	266.8	0.5	0		0		20	0			pbl lam tab euh spt orb			relict patches/bands of ccSS in gtveZXS & pxZHF; vuggy icg cc w/ pits on core surface; minor icg ax(?) + dis ax; minor tab + orb ve	
ML150	266.8	279.5	1	0		0		0	0			mot lam bnd dis		mcf	blobs of am-po alt. w/ px halos; alternating bands of pxZHF w/ am-alt. w/ lesser bands of btZHF	
ML150	279.5	280.8	1	0		0		0	0			mot dis rcz			ccSS w/ minor px-alt; hairline py + po veins	
ML151	0	25.7	0						0	bt					fractured scg-st interbedded silt and lithic wacke. Og clay coating. Rare qz-cl-sx <2cm thick veinlets (can be anastomosing) weak patchy bt alteration. Non magnetic.	
ML151	25.7	26.8	0						0						Dk-gy sfg-smg mdb mod. fractured SST.	
ML151	26.8	30.1	0						0	bt					Weakly mottled dk-gy dk-bn sfg-smg mdb SST cut by irregular qz-am-po veinlets.	
ML151	30.1	33.4	2						0	px am po					Strongly veined, variably fractured lt-gy pxZHF	
ML151	33.4	35.6	0						0						Og-bn clay with minor blocks of fr pxZHF	
ML151	35.6	36.4	2						0	px am po					Strongly veined, variably fractured lt-gy pxZHF	
ML151	36.4	36.8	0						0						Fault zone: strongly crushed pxZHF with chloritic shears.	
ML151	36.8	37.8	2						0	px am po					Strongly veined, variably fractured lt-gy pxZHF	
ML151	37.8	39.7	0						0						Oxidized pxZHF with pervasive Fe-staining	
ML151	39.7	41	2						0	px am po					Strongly veined, variably fractured lt-gy pxZHF	
ML151	41	43.4	0						0						Fault zone: incohesive clasts of pxZHF in chloritic fault breccia with pyrite	
ML151	43.4	45.6	2						0	px am po					Strongly veined, variably fractured lt-gy pxZHF	
ML151	45.6	52.6	0						0						Variably clay weathered pxZHF	
ML151	52.6	56.5	2						0	px am po					Strongly fractured pxZHF	
ML151	56.5	72	2						0	px am po					Strongly veined, variably fractured lt-gy pxZHF	
ML151	72	72.2	0						0						Fault zone: incohesive clasts of pxZHF in chloritic fault breccia with pyrite	
ML151	72.2	75.3	2						0	px am po					Strongly veined, variably fractured lt-gy pxZHF	
ML151	75.3	77.3	0						0						Variably clay weathered pxZHF	
ML151	77.3	92.5	2						0	px am po					Strongly fractured pxZHF	
ML151	92.5	99.5	3						0						Bk ms sfg SST. Strong sulphide veining. Minot bn bt-altered mottled bands.	
ML151	99.5	149.5	0						0						Strongly fractured SST with cl coating fractures. Minor bn-gn bt-am mottled alteration. Fine irregular qz-cc-zm veinlets. Rare sb healing veins, occasional spotted cl texture in cl vein selvages.	
ML151	149.5	152.6	1						0	bt px qz po					dbn mottled btZHF with patchy qz alteration, cut by cc/px and lesser am-po veins. Occasional patchy px alteration.	
ML151	152.6	164.8	3						0	px po bt					fr lgy-cm pxZHF, mo-tnb texture with moderate to strong alteration intensity. Common small blebs po associated with strongest cm px alteration. Cut by qz>cc>cl-po veins. Microfaulting offsets tnb.	
ML151	164.8	166.6	0						0	bt					dbn moderately altered ms btZHF cut by qz veins.	
ML151	166.6	173.4	1						0	px am po					moderately altered pxZHF with minor am alteration, tnb to mo, microfaulting offsets tnb. Minor po blebs, qz veins brecciate pxZHF at 168m.	
ML151	173.4	179.8	10						0	px am gt vs py cc					fractured and veined, skarn altered lt-gy pl px-rich skarnoid. Fractures infilled by qz-cc-py veins. Noticeable pl tinge to skarnoid from fine grained gt. Bands of fine-grained am-py-cc skarn developed. Becomes more broken and grades into fault below.	
ML151	179.8	190.4	1						0						incohesive chloritic fault breccia and extensively crushed pxZHF. Crushed rock veined by qz-cc-py. Tulloch fault.	
ML151	190.4	197	3						0	px bt					fractured and veined pxZHF, with vfg bn bt alt bands. Very broken with minor chloritic crush zones.	
ML151	197	200.2	3						0	px bt po					Weakly fractured cohesive pxZHF with cc-py healing fractures. Mottled alt with abundant irregular am-po veins. Po alteration rare- concentrated in rounded globule with a wt px alt halo.	
ML151	200.2	207.7	3						0	bt					mottled bn btZHF with patchy strong bt alteration with lesser gn-gy-cm px alt bands. Network of ifg cl-am-po veins. Weakly fractured with qz-cc-py healing fractures.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML151	207.7	218.2	5							0 px am bt					mottled pl-pk-gn-cm pxZHF, minor btZHF bands with a irregular network of am-po veins with wt px selvages. Zones of intense veing brecciate rock. Ifg mineral zoning // to bedding. Weakly microfaulted cc-py-qz infilling fractures. Po occurs in irregular th	
ML151	218.2	231.8	10							0 bt po					broken st-sfg SST with patchy strong bt and po alteration abundant hairline and thin po veins. Po veins follow sed bedding but can be irregular and cross cut bedding and earlier veination. Weakly magnetic due to po. Rare patches of mot wt-gn pxZHF surroun	
ML151	231.8	246	2							0 bt px cl am po					weakly developed btZHF mottled gy and bn with minor patches of gn-cm pxZHF. Weakly fractured with cc-cl-py healing veins. From 239-240 dgy finely lam ST with po bands and veins // to sed lam. 242.95m 10cm band of img amZXS with abundant d/s po. Alteratio	
ML151	246	255.9	0							0 cc cl					weakly bt alt SST sfg-smg SST non magnetic. Fractured with cc-cl healing veins.	EOH = 255.9m
ML152	0	9.3	0							0					Dk-gy sfg-smg tnb-mdb non-mag SST, strongly fractured and broken at top of hole. Fractured surfaces Fe-coated.	
ML152	9.3	20.1	5							0 bt px am po					Dk-gy tnb svfg-sfg bn bt-altered SST with irregular bands of lt-gy-gn lm pxZHF cut by networks of po-am veinlets. SST carries fractures infilled by po. pxZHF with typical irregular am-po veinlet networks.	
ML152	20.1	33.6	10							0 px am bt po ?gt ?tu					Igy-lgn svfg pxZHF. Characterised by disrupted crenulated lm (?oscillatory zoning) of wt-lgn px and po. Cut by pervasive network of irregular am-po veinlets. Minor vfg pk-og areas of ?gt with vfg ds ?tu. Minor bands of relict smg volcanogenic SS.	
ML152	33.6	39.6	3							0 bt am px					bn strong altered mottled bt-am-px hornfels. Smg-scg volcanogenic SS protolith. Disrupted bedding. Irregular patches of svfg px skarnoid alt. Fractures infilled with po, and qz-tu veinlets.	
ML152	39.6	48.4	5							0 px bt po					tnb svfg dbn-dgy altered ST, strongly fractured, fractures infilled by po. Irregular bands of lgy-lgn svfg px skarnoid rock. Strongly fractured texture with disrupted and "crenulated" lm cut by network of am-po veinlets.	
ML152	48.4	52.1	1							0 bt am px po					tnb svfg-sfg bn gn bt-am-px mottled ZHF with minor thin am-po veinlets and trace ds sx.	
ML152	52.1	86.2	1							0 bt am px					dgy mdb sfg-smg SST with minor bands of variable weak mottled bt-am-px alteration. Minor trace irregular veins qz-am-cc-po.	
ML152	86.2	87.2	15							0 am qz po cpy					dgn fine-med grained am-qz-po skarn. Trace amounts cpy. Minor sulphide veinlets. Svfg lgy px skarnoid marks boundaries.	
ML152	87.2	100.2	1							0 bt am px					dgy mdb sfg-smg SST with minor bands of variable weak mottled bt-am-px alteration. Minor trace irregular veins qz-am-cc-po.	
ML152	100.2	102.8	5							0 px bt am					fractured patchily altered lam-mdb SST to wt-lgy-gn pxZHF with branching qz-am-po-cl veins often with wt selvages. At 101.8m 20cm band of intense irregular cc+fl+qz veins. Microfaulted. Thin po bands // bedding and hairline po veins.	
ML152	102.8	105.9	2							0 px bt					fractured sfg SST with weak mot px-bt alteration and ifg network of qz-cl-am? Veins.	
ML152	105.9	106.8	5							0 px bt am po qz					lam-mdb st-sfg SST which has been subsequently altered to pxZHF and lesser btZHF. Microfaulted with mineral zoning. Orbicules <2cm and clustered orbicules formed of am spots with wt px halos, with btZHF there are qz-bt-po orbicules. Weakly fractured and	
ML152	106.8	135.7	1							0 cl px bt					tnb-tkb st-smg slightly fractured SST with weak patchy mottled gn-cm px alteration. Abundant ifg cm cl-qz veins, sometimes form an intense network brecciating rock. Sb heals fractures. Rare icg qz-am-po veins non magnetic.	
ML152	135.7	138.4	0							0					strongly fractured SST rubble with abundant qz, cl-cc veins. Cl coating s and fragments reground by drill.	
ML152	138.4	144.1	0							0 bt px am					bn stongly bt altered SST with mottled gn-wt-bl am-px alteration. Weakly fractured with cc-cl healing fractures. Thin band of cohesive fault cataclasite at 141.8m	
ML152	144.1	152.1	0							0 bt					sfg-smg, mdb SST with harline cl veins and irregular qz-am-cl veins. Abundant ifg spotted bt-cl surrounding thin cl veins.	
ML152	152.1	157.1	1							0 bt px					st-scg tnb mdb SST with mod bt-px alteration. Intense network of qz-cp veins ar 155.2m icg am+cl+po+cpy anastomosing veins within a thin mot pxZHF wt-gn alt band.	
ML152	157.1	172.1	1							0 bt px am					lam-mdb, sfg-smg SST with banded bn and bl colouring. Strong bt and lesser px alteration. Minor thin gn-lgn px-am alt bands. Alt is // to bedding. Rare fractured zones healed with cc-cl. Non magnetic. Hairline py veins. Po+am 3cm alt band at 171.1m	
ML152	172.1	184.5	1							0 bt px am po					sfg-smg SST weakly fractured along cl vein. Minor bt alteration. Spotted cl-bt flecks surrounding veins. Non magnetic. 182.2m 20cm band of mot wt-lgn and d gn pxZHF with d/s po-px-am alt. soft sed load structures.	
ML152	184.5	188.7	0							0 px am bt					st-sfg SST with mot px-am-bt alt fractured and healed with sb and cl. Slickensides. Weakly magnetic.	
ML152	188.7	192.9	1							0 bt cl pc am					variably fractured, non magnetic st-scg SST mottled with weak bt-px alteration spotted with ifg cl-bt?. <3cm st rip up clasts within a smg matrix. The coarser material has been alt by spotted cl and ifg bt but is mostly unaltered with alt rims. Irregular	
ML152	192.9	201.5	0	0	0	0	0	0	0	0		spt	tkb		tk bedded mg sandstone with scattered bands of ripups, minor siltstone interbeds	
ML152	201.5	211.8	1	0	0	0	0	0	0	0			tkb		overprints tk bedded mg sandstone with scattered bands of ripups, minor siltstone interbeds	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML152	211.8	217	5	0	0	0	0	20	0		gt→ve	pbl orb	tnb-mdb			
ML152	217	219.9	1	0	0	0	0	20	0		gt→ve	pbl	tnb			
ML152	219.9	220.9	2	0	0	0	0	30	30		vo→mt	pbl	tnb			
ML152	220.9	223.6	1	0	0	0	0	40	0		gt→ve	pbl	tnb			
ML152	223.6	230.2	10	10	0	0	5	5	0			wrg sqp	tnb		cg asp, clouded bt overprint, note relict prismatic qz in qz-sd-po-?ve-mt veinlets	
ML152	230.2	238	1	0	0	0	0	30	0		gt→ve	pbl orb	tnb			
ML152	238	246.9	0.5	0	0	0	0	20	0			pbl	tnb			
ML152	246.9	250	2	0	0	0	0	10	0		gt→ve	pbl	tnb-mdb		minor beds with relict ripup texture indicates Carter's Ripup Beds	
ML152	250	250.4	25	0	0	0	0	0	0			mas	tnb-mdb		dominantly gn amphibole with minor bk amphibole patches associated with fluorite	
ML152	250.4	252.1	1	0	0	0	0	20	0		gt→ve	pbl	tnb-mdb			
ML152	252.1	253.6	3	10	0	0	0	0	0				tnb			
ML152	253.6	255.3	5	0	0	0	0	0	0			pbl	tnb-mdb			
ML152	255.3	257.1	5	0	0	0	0	0	0			spk sqp pbl gph	tnb-mdb		possibly a px hornfels protolith with porphyroblastic gtpx skarn at dhole edge, with a bt-am-mt overprint, faint graphic po texture in veins	
ML152	257.1	258.5	5	0	0	0	0	10	0		gt→ve	pbl	tnb-mdb			
ML152	258.5	264.7	5	0	0	0	5	5	0			pbl spk wrg	tnb-mdb		abundant cassiterite to 0.5mm size in mt-sd-am-bt skarn around 264-264.5m, speckled texture, subtle mt-po wriggles locally developed	
ML152	264.7	268.4	10	0	0	0	0	0	0			spt	tnb-mdb		ripup conglomerates & gritty sandstone with po spots up to 20mm size	
ML152	268.4	276	30	20	0	0	0	0	0			spt sqp	mdb		hard fg pyrrhotite-qz hornfels, 270.3-270.5m band of ambt skarn overprinting qzsd skarn with cassiterite	
ML152	276	277.8	10	0	0	0	0	0	0			spt mas	mdb-tkb		mixture of bk & gn amphibole	
ML152	277.8	286.8	5	20	0	0	0	0	0			mot	tnb-mdb		qz content decreasing & am increasing downhole	
ML152	286.8	290.1	10	5	0	0	2	0	0			mot spt tad sqp	tnb-mdb		30-60mm bands of S0 parallel prismatic quartz-siderite rock with po-am-bt (1-2mm biotite flakes & po not magnetic) at 287.6m & 288.9m	
ML152	290.1	294	0.1	5	0	0	0	0	0			mot	mdb-tkb			
ML152	294	308	0.1	0	0	0	0	0	0				tnb-tkb			EOH 308m
ML153	0	15.8	0						0						Dk-gy sfg-smg tnb-mdb non-mag SST, strongly fractured and broken at top of hole. Fractured surfaces Fe-coated.	
ML153	15.8	19.2	5						0	px am po					Wavy lm dk-gn lt-gn svfg pxZHF w/ abundant po occurring as strongers parallel to banding. Cut by am-po veinlets. Variably fractured.	
ML153	19.2	22.8	5						0	px am po vs gt cc cpy	gt-cc, gt-px				Intact interval pxZHF with lesser SST and x1 20cm interval gtZXS. pxZHF: lgn-cm-lbm, texture mo cm-lgn to lam resinous lbn texture with alternating po-rich beds. mo-textured pxZHF includes am-po>am-cpy blebs and stringers with strong cm px alteration surr	
ML153	22.8	29	1						0						fr gy sfg-scg SST, mdb-tkb, cut by px veins and stringers and zoned qz-cl veins (cl margin/qz core). Graded bedding shows younging downhole. Non-magnetic. Case off at 26.6m to NQ.	
ML153	29	31	3						0	px					fr gy sfg-smg SST cut by abundant qz-cl veins. Anastomosing irregular networks of commonly zoned veins with cl margin and qz core, occasionally also containing po-cpy. Occasional minor px bleaching in vein selvages.	
ML153	31	65.3	1						0	px					gy fr sfg-scg SST, mdb-tkb, fractured in places, common cl/cl-qz veins with occasional spotted cl alteration in vein selvages. Rare thicker qz-cl +/- po-cpy veins (<2cm) with weak px alteration surrounding.	
ML153	65.3	70	1						0	px bt					intensely fractured sfg-scg tnb-mdb SST with abundant hairline cl veins with mineral alignment in direction of shear. Patchy moderate magnetism. Thick (2cm) cl-am-qz-py veins where intensely veined weak pxZHF is developed.	
ML153	70	115.5													sfg-smg mdb variably magnetic SST. Minor am- bt- alteration. Variably fractured- fractures coated with cl +/- stilbite. Cut by irregular qz-am-cc-po veins. Patchy pxZHF developed around veins.	
ML153	115.5	117.2	0						0	cl px					SST fractured to rubble with minor cohesive bands of fault breccia, reground clasts. Cl coated fragments. Cl-cc healing fractures.	
ML153	117.2	140.5	1						0	cl px bt					variably fractured and broken SST after fault. Sfg-smg. Thin cl veins with spotted flecks of cl-(bt?) surrounding veins. Rare am+qz+cl±po±cpy irregular veins with d gn am+px-cl alt selvages. Rare slickensides on fractured surfaces. At 131.4-131.7m intense	
ML153	140.5	159.6	1						0	px cl bt					gy sfg-smg variably fractured SST with common cl on fracture surfaces and spotted cl alteration. Very weak bt and px alteration in places; strong px alt surrounding some veins.	
ML153	159.6	162.7	0						0	px bt cl					gy SST sfg-smg with weak px and bt alteration throughout moderate intensity px alteration around cl veins and patches, increasing towards end of unit px alteration occasionally forms cm elongate blebs.	
ML153	162.7	164.5	2						0	px					fracture zone comprsing SST with common qz and cc veins. Weak px alteration around cl-sx veins	
ML153	164.5	166.6	0						0	bt px					short unit comprising of btZHF and pxZHF; variably fractured. btZHF: d bn with weak px pleaching around cl veins. pxZHF: mod intensity px alteration (l gn) around network cl veining.	
ML153	166.6	182.6	2						0	px cl					gy sfg-smg SST with common px and qz-cl veining, occasional px alteration in vein selvages. Common spotted cl in vein selvages. Variably fractured to rubble in places.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML153	182.6	209.5	1							0 px					Sfg-scg tnb-mdb SST with zone of abundant ifg am-cl-qz veins forming brecciating network. From 185.8-186.4 there is abundant img qz-am-cl+/- cpy+/-po veining. Variably fractured with cl coating fracture surfaces. Rare cc cl sb healing fractures. Non-magnet	
ML153	209.5	214.4	2							0 bt px am					Lm-tnb svfg-smg disrupted bedding mottled bn-gn-gy btZHF cut by veinlets of am-qz-po. Original grainsize probably sfg-smg & svfg material represents recrystallisation during metasomatism.	
ML153	214.4	223.4	5							0 px bt am					Distinctive mdb smg lt-gy px alt volcanoclastic SS interbedded with packages of sfg-smg tnb dk-bn btZHF and lm svfg pxZHF	
ML153	223.4	226.5	5							0 px am po					Lm-tnb svfg lt-gy lt-gn pinkish px skarnoid with ubiquitous am-po veinlets.	
ML153	226.5	231.1	5							0 am mt px vs po cc cp					Tnb mt-am ZXS, am alt vs-px ZXS abd am alt pxZHF. Minor bands of mt texturally flooding early vs-px ZXS. More mt-rich bands are assoc with am and cc - euhedral am - po clots. Relict bands of lt-gy px skarnoid and fine-grained vs-px ZXS are extensively aff	
ML153	231.1	235.8	15							0 cc>cl/bt>mt>Fe-carb>po>px					Sulphide - Fe-carbonate altered "salt and pepper" camtZXS with thin irregular bands of bn-gn cl/bt. Med. grained mt is set in calcite-rich carbonate matrix with minor svfg gn px. Fe-carb occurs as coarse ds and in ca-sulphide veins with trace tz.	
ML153	235.8	238.6	1							0 cl/bt>am>mt>ca					Mt-rich gn-bn fine-grained cl/bt- am- ZXS with irregulat bands of camtZXS. Mt occurs as thin semi-ms bands in cl/bt-am ZXS.	
ML153	238.6	242.4	5							0 mt am cl/bt cc ca po cp tz sh					Similar to above unit with bands of gn-bn cl/bt altered am and cc-rich camtZXS but now contains ms bands of med. grained mt granular mt. Coarse cc-Fe-carb-po-cp-tz-sh clots present.	
ML153	242.4	247.8	3							0 px bt am po					Dk-gy gn am altered svfg pxZHF with bands of resinous bn bt alteration.	
ML153	247.8	254.5	3							0 mt am bt cl px cc ca po cp					Upper contact is partially gradational with above unit - skarnoid strongly am altered and cut by mt veins. Main skarn tnb with ms mt and bt-am bands. Relict patches of px-bearing "salt and pepper" skarn. Minor ca-sulphide veining and alteration with some	
ML153	254.5	267	10							0 px vs gt am mt po cc cp sh					Variably altered early formed skarn - og-bn med grained tnb px-vs/gt ZXS with fine - med- grained am alteration +/- ds po +/- thin ms mt bands. Weakly fractured with fractures infilled by cc +/- sulphides. Trace sh.	
ML153	267	270.5	5							0 px bt po					Tnb lt-gy gn pxZHF with ubiquitous am-po veinlets with wt px selvages. Ds po throughout. Variable vfg resinous bn bt alteration.	
ML153	270.5	273.2	10							0 bt px po					Distinctive svfg resinous bn bt-rich skarnoid. Oscillatory laminations pervasively disrupted. Strong po veining sub// to lm and infilling fractures.	
ML153	273.2	289.8	2							0 bt px am qz					Weakly by altered tnb-mdb sfg-smg SST with irregular svfg lt-gy-gn px skarnoid alteration zones assoc with strong am-po veining. Relatively thick 10cm qz-am-po fluid escape type vein/ alteration zones occur.	
ML153	289.8	301.1	0							0					Strongly fractured medn sfg-smg SST. Fractures coated by cl-sb.	
ML154	0	38.2	0							0					Ms og-bn RCLY with minor relict veins now limonitic.	
ML154	38.2	43	0							0					Poorly recovered broken dgy sfg-smg mdb SST. Fractures Fe-coated. Poor recovery after cavities.	
ML154	43	48.8	0							0					ms og-bn water logged RCLY	
ML154	48.8	50.7	4							0 px am po					fr lgn-cm-gy moderately altered pxZHF, mottled texture with common blebs, and bands of vfg po. Also am-rich bands. Microfaulting with <1 cm offset.	
ML154	50.7	77.7	1							0 px					fr dgy sfg-scg mdb SST with minor weak patchy px alteration in vein selvages. Case off to NQ at 60.0m.	
ML154	77.7	97.8	1							0 px am					fractured d gy-lgy st-scg, tnb-tkb SST with weak patchy l gy-gn px alt. weakly fratured with cc-sb infills. d gn and bn alt selvages around am+qz+po irregular veins. Non magnetic.	
ML154	97.8	103.1	1							0 px bt cl					mod fractured SST, rubble zones with cl coating and slickensides on fragments. Small offshoot from fault below. Weak patchy gn-bn px-cl-bt alt.	
ML154	103.1	117.5	2							0 px bt cl					intensely fractured and broken SST with cl-bt alt, minor banded pxZHF. Cohesive fault breccia from 107.3-109.0m ifg-icg cc-py healing fractures. Rare am-py veins. Reground fragments.	
ML154	117.5	122.7	1							0 px bt cl					mottled weakly altered pxZHF with lesser patchy bands of btZHF fractured with icg cc and py infilling breaks.	
ML154	122.7	124.2	4							2 px am bt cl po cc					pl-cm-gn strongly alt pxZHFwith intense bedding // am-po-apy veining occurring with bk alt halos vo?. Minor thin interbedds of px-am altered caSS. Distinct pl colouring axinite?	
ML154	124.2	125.3	50							2 po am px cc cpy apy					ms po-am-cc ZXS with relict patches of icg pb am with px-po matrix. Po Wrigglites. Minor d/s cpy and apy. Irregular disc icg po veins.	
ML154	125.3	131.1	2							0 cc ca am px gt vs po cpy vo apy					strongly pb carbonate rich skarn with banded with different scales of alt and replacement. 1. img-icg gt pb in a cc-px matrix with d/s sx's. occasionally ca forms fluffy pb with ifg gt in matrix. 2. vs pb in a ca-am matrix. 3. am pb in a ca matrix. 4. im	
ML154	131.1	134.5	2							0 px am apy po cpy					wt-pl-gn pxZHF with irregular am alt. ifg mineral zoning follows original sedimentary bedding. Rare l gn pb's in a d gn matrix px-am? pxZHF has a strong brecciated texture at 133-133.3m. Irregular am veins. Sx mineralisation occurs in bands and concentrat	
ML154	134.5	144.1	15							0 bt px am po apy					d gy mottled bn btZHF with abundant irregular hairline po veining. Ifg d/s po. Mottled intervals of wt-pl-gn pxZHF with po-apy. Ifg mineral zoning- fine laminae.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML154	144.1	152.1	5							0 cc po am po					lcy-st banded and weakly mot btZHF with lesser pxZHF and very rare bands of am-cc-po ZXS. The pxZHF has been partially replaced by am. lcy po veins. Alt grades out down unit.	
ML154	152.1	168	1							0 px bt cl am					sfg-scg broken SST with minor bands of weak-mot px-am-bt alteration. Minor zones of intense fracturing healed by cc-cl. Rare po-cpy veins.	
ML154	168	177.1	0							0 px					gy-lgy, sfg-scg, tnb-mdb SST with weak px alteration, cut by cc and cl veins. At 174.9m 10cm zone of increased cc veining causing brecciated appearance of SST, which has weak-mod px alt. fractured in places.	
ML154	177.1	190.5	0							0 px am bt po					gy tnb sfg-smg SST with weak px alteration and rare weak bt and am alteration. +/- po blebs. cut by px/qz-cl veins.	
ML154	190.5	198.9	1							0 px					zone of SST with increased hairline veining (px/qz-cl) brecciating SST in places. Most intensely 192.8-192.9m where weak px alteration is also present. Increased fracturing in this unit.	
ML154	198.9	201.4	1							0 px bt am po					gy-bn SST with weak px and bt alteration. Tnb-mdb. Non magnetic	
ML154	201.4	203.4	2							0 px am bt po					gn-gy pxZHF with bands am-po alteration. Also orbicules am-po alteration surrounded by strong px alteration.	
ML154	203.4	205.1	0							0 bt					short interval of SST with weak bt alteration, including x 2 fracture zones at 204.4 and 204.9 where SST fractured to rubble over 10cm	
ML154	205.1	205.6	0							0					fractured zone comprising of gy SST fractured to rubble.	
ML154	205.6	226.5	1							0 px bt am cl					gy sfg-smg mdb SST with weak px alteration, strongest surrounding am bands/blebs. Rare spotted px and cl alteration in vein selvages. Rare qz-tu veins.	
ML154	226.5	271	1							0 am po cpy qz					gy sfg-scg mdb-tnb SST with weak px and bt alteration throughout and rare short intervals of pxZHF. Patches/bands weak am alteration with px alteration surrounding. pxZHF: gy-gn mod px alteration surrounding am-sx vein networks.	
ML154	271	280	0							0 bt am px					Mdb sfg-smg moderately bn-gn-gy mottled SST	
ML154	280	287.2	10							0 px gt by po am					Transitional zone of heterogeneous skarnoid. Gy-gn, bn & pinkish gy svfg lm, strongly veined and disrupted px-rich skarnoid. Gy px-rich areas strongly affected by gn am alteration. Bn bt- po- rich areas occur. Pinkish gy material probably contains fine-grai	
ML154	287.2	304.6	1							0 cc gt px vs po cp					Tnb gt - cc skarn with lesser bleached mottled calcareous siltstone. Gt-bearing skarn comprised of interbanded bands of med grained subhedral gt+/-vs with very fine-grained gn px and bands of med grained cm recrystallised cc with trace gn px.	
ML154	304.6	323.4	0							0 cc px					Tnb gy bleached calcareous ST with minor tnb packages of gy px altered siliceous material.	
ML154	323.5	324.9	15							0 cc gt vs po px sh fl am cp					Strongly sulphide altered and sh mineralised gt-vs-px-cc ZXS. Po as coarse ds assoc with coarse anhedral sh and gn fl.	
ML154	324.9	349	1							0 cc gt px vs po cp					Tnb gt - cc skarn with lesser bleached mottled calcareous siltstone. Gt-bearing skarn comprised of interbanded bands of med grained subhedral gt+/-vs with very fine-grained gn px and bands of med grained cm recrystallised cc with trace gn px.	
ML154	349	354.2	1							0 px cc bt po					Tnb pxZHF with moderate bn bt alteration interbedded with gy bleached caST	
ML154	354.2	361	1							0 px bt po					Tnb svfg-sfg btZHF with bands of lm svfg gy pxZHF with ds po	
ML154	361	388	0							0 bt					Weakly bt altered tnb-mdb sfg-smg SST	
ML155	0	44.5	0	0	0	0	0	0	0	0			lam-mdb	bkn	scg-st ex fractured/broken. Fe staining on fracture surfaces diffuse alt. halos around some fractures and veins.	
ML155	44.5	49.7	0	0.5	0	0	0	0	0	0				bkn frc	mostly well fractured. No fe stain. Minor bands of am-px alt. assoc w/ veins.	
ML155	49.7	57	0	0.5	0	0	0	0	0	0		dis			weakly magnetic throughout most interval. Dis mt gives SST mat black-dgy appearance sfg-st. mod fractured. Minor qz-am-py-px alteration.	
ML155	57	64.9	0	0.5	0	0	0	0	0	0		dis	lam-mdb		sfg-st w/ dis po; am alt assoc veins. w/ minor px alt. one 4mm thick vein of qz-sd-cpy at 60.4m.	
ML155	64.9	67	0	5	0	0	0	0	0	0		mot psm aci			densely qz-am veined interval w/ am alt. some aci am in veins. Psm qz-cc in 12mm vein at end of interval.	
ML155	67	103.8	0	0	0	0	0	0	0	0		mot aci		frc	w/ minor zones <1mm of bt alt + aci tu and am alt in veins. + minor px alt mostly proximal to veins. Frc zones throughout.	
ML155	103.8	104.8	0	0	0	0	0	0	0	0		lam	tkb		mod magnetic interval w/ trace veining. Mostly 1 large sfg SS bed.	
ML155	104.8	106.2	0	0	0	0	0	0	0	0		lam mot		mcf	weakly alt. st, pervasive bt + mot bands of px-am alt + cm-bn lam of px-bt alt offset along mcf. Trace hairline cpy veinlets.	
ML155	106.2	112.2	0	0.5	0	0	0	0	0	0 rd 0.1		mot	lam-mdb	mcf	mixed ss-st interval; SS beds thicker, st bed lam + x-bedded with some sfg SS- silt, minor mot of am alt +px +bt. Sub 2.0cm veined zones, some mcf. Dis + vein mas mt.	
ML155	112.2	175.3	0.1	1	0	0	0	0	0	0		mot	lam-mdb	frc mcf	st interbedded with lesser sfg-smg sands, undulating erosive bases. Irreg am-qz-cl-cpy +px selvages. Rare thin bands of am-px alt. graded bedding + mud rip ups. Mod-weak magnetism.	
ML155	175.3	188.2	0.1	0.5	0	0	0	0	0	0		mot	tnb tkb	bkn	weak patchy px-bt alt, anastomosing network of irreg. am-qz-cpy-cl±po veins with weak pale px halos. Small scale shear strain-tension gashes. Concoidal fracture. Weak-mod magnetism dis mt.	
ML155	188.2	206.4	0.1	0.5	0	0	0	0	0	0		bnd mot	tnb mdb	frc bkn	Px-am-bt conc in bands and patches. Sometimes associated with veins. 204-206 lcy-iftg veins abundant. Concoidal fracture	
ML155	206.4	215.4	0	0	0	0	0	0	0	0		mot	tnb tkb	frc hbr	weak bt alt SST. Rare thin qz-am-cpy veinlets. Veins are soft mostly cl and bt. Minor light gn px-cl veins	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML155	215.4	235.3	0	0.5	0	0	0	0	0			spt	tnb tkb	bkn	weakly bt alt SST. With gn-cm am-px alt surrounding high densities of qz-cl-am veins cpy rare. consistant mod magnetism. (234-235 intensely veined.)	
ML155	235.3	257.3	0	0.5	0	0	0	0	0			spt	lam-mdb	bkn	255m 40cm zone of intense irregular qz-am-cl-bt-cpy veining with surrounding bt alt halo. rare qz-am-cl-cpy-py±ep. Spt bt alt? weak-mod mag	
ML155	257.3	260.3	0	0	0	0	0	0	0				mdb	frc	fracture zones, breaking along cl veins. Weak bt alt. reground fragments. Mod magn	
ML155	260.3	278.5	0	0	0	0	0	0	0			spt mot	lam-mdb	bkn	spt bt alt, icg cl veins patchy mod mag. Minor fracture zones	
ML155	278.5	298.5	0	1	0	0	0	0	0			mot spt	lam-tkb	bkn	weakly bt alt SST with thick <3cm qz-cl-am±cpy irreg veins w/ px-am halos. Soft sed def. non-weak magnetic.	
ML155	298.5	311	0.1	0	0	0	0	0	0			mot bnd	tnb mdb		weak-mod bt alteration, rare gn am alt bnds. Px-bt-am alt selvages around icg cl-qz-am veins. Non magnetic	
ML155	311	315.5	0.5	0	0	0	0	0	0			bnd mot	mdb		weakly developed btZHF	
ML155	315.5	322.5	1	0	0	0	0	0	0			lam mzn	tnb mdb	mcf	mot and banded btZHF with lesser pxZHF. Thick am-cl-qz veins. Network of fine am-po veins. svcg sandy grit with rare mud flakes from 316.8-324.0m = Grants Grit	
ML155	322.5	325.9	5	0	0	0	0	0	0			mot msz lam bnd	tnb mdb	mcf	mot pk-cm-gn pxZHF with lesser bands and patches of btZHF. Abundant am, am-po-qz veins. Am-po veins grade to bt at boundary with btZHF. Strong pl-pk colour ax. Mineral zoning with am overprints.	
ML155	325.9	332.3	5	2	0	0	0	0	0		gt→am	bnd pbl	tnb mdb		mas+ icg euh am with interstitial cc. patches and discontinuous veinlets of icg fl-qz-po-cc. very minor patches of pbl texture. Mostly obliterated. Yw-bn fl.	
ML155	332.3	338.5	2	5	0	0	0	0	0	ga 0.5	am→bt	bnd sqp	tnb mdb		mas icg eu am- aci with interstitial cb with relict stage one SQP bands and patches. Consisting of eu icg qz psm <5cm with sd and cs. At 338.3-338.5m icg band consisting of psm qz with finer cauliflower sd with dis cc-da-ga-cs. (primary stage 1 fluid). Cl-gn	Where there is good cs assoc. is relict patches of SQP consisting of qz-sd-da. Cs is visibly being attacked by bt and am.
ML155	338.5	343	5	2	0	0	0	0	0	cs 0.1	am→bt cs→am	sqp bnd euh aci			tnb icg-ifg bnd amZXS with relict patches icg qz psm w/ sd. With rare partially replaced cs with am alt rims. Am- retrogressing to bt. Po occurs as distinct veins and dis in bnds.	
ML155	343	345	25	5	0	0	0	0	0		am→bt	sqp bnd dis			icg eu am- interstitial cb. With bnds and patches of icg po+cpy relict qz psm± sd icg dis yw-gn fl.	
ML155	345	350.5	5	0	0	0	0	3	0		am→bt	pbl tab sqp mzn			ifg-icg amZXS with cb. dis and veined po. xZHF and ve-gtZXS with cb-px groundmass. PBL 347.4- 363.1	
ML155	350.5	353.7	20	0	0.5	0	0	0	0		am→bt	pbl			ampoZXS with discount po veins and d/s po, am occurs ms and as icg acc. Patches of icg fl-cc-po. Fine sh associated with po. lesser intervals of amZXS with low abundance of po.	
ML155	353.7	356.8	5	0	0	0	0	15	0		am→bt; gt→ve; ve→am	tab pbl		mcf	interbanded amZXS +cc+po w/ intervals of pbl ve-gt ZXS in a px-cb matrix. Tab original ve.	
ML155	356.8	363.1	1	0	0	0	0	20	0		gt→ve; ve→am	bnd pbl tab mzn		mcf	interbanded pxZHF +cc+po w/ intervals of pbl-tab ve-gt ZXS in a px matrix. Interstitial voids with cc-po. Both have bands and patches partially alt by am. Weak pbl texture.	
ML155	363.1	380.7	2	0	0	0	0	30	0			mot bnd spt mzn		mcf	d gy mot cm-gn patches strong px alteration with minor bands of btZHF. Relict patches of relatively unaltered st. rounded blobs of conc am+po alt. Zones of strong am-po veining with pale px alt selvages.	
ML155	380.7	381.1	1	0	0	0	0	0	0			mot pbl			gt-cc-px ZXs. Pk-bn pbl of gt in a ifg gnpX with minor cb. Interstitial voids filled with carbonate. Gts grow into each other and form bands.	
ML155	381.1	384.2	2	0	0	0	0	0	0			mot mzn tad			mot pxZHF with lesser horizons of btZHF, 382.2-383.6m interbedded lam st, mfc sandy grit with mud flakes. Carters Rip ups	
ML155	384.2	389.3	5	0	0	0	0	0	0			bnd dis spt			st-sfg SST with strong bt alt. ifg po + py veins bands and patches of px-am±po alt. non magnetic. Dis po.	
ML155	389.3	399	2	0	0	0	0	0	0			bnd			minor bands of px-am-po alt. weak -mod bt alt. Non magnetic	
ML155	399	407	0	0	0	0	0	0	0			bnd			fractured SST with weak bn bt alt. bands of pale spt px-am alt. healed breccia with cc-cl and sb, fragments coated with cl.	
ML156	0	13.7	0												og mox SST fractured to rubble and partially altered to clay at top of hole. Scg qz-rich SS fragments common.	
ML156	13.7	21.5	0												fr-wox dgy-bn ST and scg qz-rich SS interbedded on tnb to mdb scale. Common scoured bedding contact between ST and SS, and showing younging downhole. SS comprising angular qz fragments. Cut by wt clay veins. Variably fractured, commonly to rubble.	
ML156	21.5	32.6	0												variably fractured SST and wt-og RCLY intervals. ST and qz scg SS as noted uphole. Fractured to rubble in places, cut by minor clay veins.	
ML156	32.6	48.1	0.1						0	px					fr dgy ST and scg qz-rich SS interbedded on mdb to tkb scale. Cut by cl, cc, and rare am-mt-sx veins. Minor weak px alteration in some vein selvages, increasing downhole.	
ML156	48.1	66	0						0						Variably fractured dk-gy sfg-smg tnb-mdb magnetic SST with variable cl spotting. Fractures coated with cl, cc and wt zeolite - laumontite. Irregular vein-like very fine-grained pk-gy-gn px-gt-am alteration.	
ML156	66	70	0						0						Extensively fractured and brecciated gy sfg-smg cl-spotted SST. Fracturing and brecciation has been accompanied by cc-sb-cl. At approx. 68.1m there is a 10cm block of silicified fractured ifg FG with strong po alteration.	
ML156	70	101	0						0						Strongly fractured gy sfg-smg SST as above but without true fault breccia.	
ML156	101	119	0						0						Largely intact gy sfg-smg mdb non-mag SST with weak mottling alteration	

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Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML156	119	127.6	0						0						Moderately - strongly mottled altered sfg - smg mdb btZHF	
ML156	127.6	145.55	0						0						Very strongly altered sfg-smg tnb-mbd btZHF with well developed irregulat bands of gy px-rich alteration. Cut by qz-tu-po veins with strongy am selvages.	
ML156	145.55	146	0						0						Ifg very felsic with weak ds tu- bt- se- alteration.	
ML156	146	157.3	0						0						Very strongly altered sfg-smg tnb-mbd btZHF with well developed irregulat bands of gy px-rich alteration. Cut by qz-tu-po veins with strongy am selvages. Cut by cm-thick feldspar-bt granitic veins.	
ML156	157.3	161	3						0	px>vs>am>gt; am>px>po>tu>c p; fd>qz>bt					Hetogeneous skarn interval with interbanded veZXS and amZXS. Tnb fine- med- grained am-altered ve-rich ZXS with fine-grained interstial lt-gn px and minor gt. Am alteration controlled by qz-tu veinets. AmZXS is ms fine-grained with interstial px. Ds po wi	
ML156	161	172.7	2						2	px>am>bt; am>px>po>vo>c c>cp					Tnb svfg pxZHF with bands of fine-grained amZXS. PxZHF cut by qz-tu veins with strong am±bt selvages. These strong am selvages grade into fine-grained am-rich ZXS with variable amounts of vo and fine ds po.	
ML156	172.7	173.6	10						0	bt>po>cp>ap					Fine-grained ms bn br-rich rock with conspicuous sulphides, including ap. Cut by qz-tu veins. Tentatively interpreted as a exo-greisen replacement.	
ML156	173.6	175.5	2						5	am>px>vo>po> mt					Fine-grained amZXS with interstial px. Ds vo intergrown with trace mt. Minor ds po.	
ML156	175.5	176.25	10						0	bt>po>cp>ap					Fine-grained ms bn br-rich rock with conspicuous sulphides, including ap. Cut by qz-tu veins. Tentatively interpreted as a exo-greisen replacement.	
ML156	176.25	182.75	5						2	px>am>bt; am>px>po>vo>c p; bt>po>cp>ap					Tnb svfg pxZHF with bands of fine-grained amZXS. PxZHF cut by qz-tu veins with strong am±bt selvages. These strong am selvages grade into fine-grained am-rich ZXS with variable amounts of vo and fine ds po. Minor thin bands of bt- po- rich ZXG.	
ML156	182.75	184.5	0						0	qz>>fd>se>tu>bt					Strongly altered granite cotact zone. Strongly sericitised ifg granite cut by tu veins with strong si about veins.	
ML156	184.5	190	0						0	qz>fd>bt					Ifg leucocratic FG with strongly ds fine-grained tu throughout.	
ML156	190	191.6	0						0	qz>>fd>se>tu>bt					Strongly sericitised porphyritic FG with pegmatic patches. Tu-py veins.	
ML156	191.6	225	0						0						Strongly porphyritic FG with moderate ds tu and se alteration.	
ML156	225	226	5						0						Strongly se- tu- py altered porphyritic FG	
ML156	226	249.3	0						0						Strongly porphyritic FG with moderate ds tu and se alteration.	
ML156	249.3	250.2	5						0						Strongly se- tu- py altered porphyritic FG	
ML156	250.2	266.9	0						0						Strongly porphyritic FG with moderate ds tu and se alteration.	
ML157	0	29.2	0						0						Fractured and broken mod mag dk-gy mdb sfg-smg SST at top of hole. Surfaces coated with Fe and clay. QZ-am-cc veins.	
ML157	29.2	35	0						0						Bn ms clay	
ML157	35	46.3	0						0						Fractured and broken mod mag dk-gy mdb sfg-smg SST. Minor irregular qz-am-cc veins. Broken surfaces coated with Fe and clays.	
ML157	46.3	65	0						0						Intact mod mag dk-gy mdb sfg-smg SST. Minor irregular qz-am-cc veins. Minor Fe staining on broken surfaces.	
ML157	65	71.5	0						0						fr dgy tkb SST, variably fractured with cl and sb on fracture surfaces. Moderately magnetic.	
ML157	71.5	71.7	0						0						cohesive lgy fault breccia comprising small (<3mm) angular SST clasts in cl-rich matrix	
ML157	71.7	73.1	0						0						fracture zone downhole of XFBC with cl, and minor sb on fracture surfaces	
ML157	73.1	79.8	0.1						0						variably fractured dgy sfg-smg SST with cl-py and sb on fracture surfaces, sb veins occasionally brecciating SST.	
ML157	79.8	93	0						0	px					intact core, tnb-mdb sfg-smg SST cut by minor cl and sb hairline veinlets. Rare weak px alteration.	
ML157	93	128.9	0.1						0	px					fr dgy mdb sfg-smg SST cut by common qz-cl veins increasing downhole. Qz-cl veins often zoned, with cl margins and qz core. Rare weak px alteration, increasing downhole.	
ML157	128.9	145.5	0						0						Dk-gy mdb sfg-smg SST with qz-cl veins. Strongly fractured and sheared. Fractures coated with cl+cc+sb.	
ML157	145.5	150.6	1						0	bt					Fractured dk-gy sk-bn sfg tnb incipiently bt altered SST. Strongly veined by qz-cl-py. Grades into btZHF below.	
ML157	150.6	164.2	1						0	bt am px					Fractured, strongly bn-gn-gy bt-am-px mottled sfg-smg tnb-mbd btZHF. Thick beds of smg gy-gn px altered volcanoclastic SS. Packags of svfg lm skarnoid alteration.	
ML157	164.2	165.4	1						0						Bn clayey cataclastite with he-altered clasts of ZHF. Blocks of fractured mottled btZHF between upper and lower bounding shears.	
ML157	165.4	172.9	2						0	bt am px					Fractured svfg-sfg tnb dk-bn po-veined bt altered SST with bands of svfg px skarnoid.	
ML157	172.9	173	0						0						Gn clayey fault gouge with Fe-stained blocks of pxZHF.	
ML157	173	173.8	0						0						Fract tnb svfg-sfg lt-gy-gn pxZHF and gy sfg bleached and mottled caST. Fractures Fe-stained.	
ML157	173.8	175.4	0						0						Very poorly recovered yw-bn clayey cataclastite	
ML157	175.4	193.9	0						0						Tnb gy bleached and mottled sfg caST with irregular cc veins and thin lm packages of gy-gn svfg px-am skarnoid.	
ML157	193.9	194.7	0						0						Fine-grained gt-px-cc ZXS. Fine-grained bands of anhedral og gy with interstial cc and very fine-grained bands of gn px-rich material.	
ML157	194.7	202.2	0						0						Tnb gy bleached and mottled sfg caST with irregular cc veins and thin lm packages of gy-gn svfg px-am skarnoid.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML157	202.2	211	0							0					Strongly veined and carbo-fractured gy sfg bleached and mottled caST. Cm-thick brecciated cc+/-cl veins.	
ML157	211	211.2	0							0					Gn chloritic fault breccia	
ML157	211.2	217.4	0							0					Strongly veined and carbo-fractured gy sfg bleached and mottled caST. Cm-thick brecciated cc+/-cl veins.	
ML157	217.4	217.9	0							0					Gy-gn chloritic fault breccia	
ML157	217.9	219.1	0							0					Strongly veined and carbo-fractured gy sfg bleached and mottled caST. Cm-thick brecciated cc+/-cl veins.	
ML157	219.1	221	1							0					Tnb dk-gy lt-gn caST. Beds are variably coloured dk-gy, lt-gn and rd-bn, reflecting the development of fine-grained gt + px. Minor irregular veining by cc +/- tu(?)	
ML157	221	221.7	0							0					Strongly veined and carbo-fractured gy sfg bleached and mottled caST. Cm-thick brecciated cc+/-cl veins.	
ML157	221.7	229.9	2							0	gt px cc vs am po cp				Finr- medium grained og-bn gn gt-px ZXS with minor interstitial cc. Fractured texture with fractures infilled by cc + trace sulphides. Gt veins cross cut some px-rich areas. V. minor am- po- alteration. Coarser patches of wy-og euhedral vs assoc. with cc	
ML157	229.9	232.35	2							0	px am				Lt-gy dk-gn sfg-smg mdb strongly px-altered volcanoclastic SS. Strongly biotchy overprinting by dk-gn am alt. Thin veinlets of am_cc+po and thicker gt-rich veins	
ML157	232.35	234	5							0	gt px cc po am cp				Og-bn med grained gt-px-cc skarn with fractured texture. Moderate strongly ds po alteration with trace cp	
ML157	234	234.7	2							0	px am po				Pervasively disrupted text. Svfg lt-gy dk-gn am alt px skarnoid with strong am-po veining	
ML157	234.7	238.1	10							0	gt px cc po am cp				Fine- medium-grained gt-px-cc skarn with 10cm bands of ms po replacement. Replacement bands feature coarse po, yw-bn euhedral vs, coarse cc, am, ep and trace cp. Rare planarcc-tu-fl-po veins	
ML157	238.1	243	0							0	px bt am				Dk-bn dk-gn pervasively disrupted svfg-sfg bt- am- altered px skarnoid. Bt- am- alteration as irregular cross cutting patches. Pervasive network of irregular am-po veinlets	
ML157	243	243.9								gt px cc am vs						
ML157	243.9	244.9	1							0	gt am px cc po				Moderately- strongly- amphibole-altered medium-grained gt-rich skarn. Trace sulphides assoc with am alteration.	
ML157	244.9	246.9	0							0					Extensively fractured sfg-smg dk-gy non-mag SST with qz-am-cl veining/ alteration. Fractures coated with cl and minor cc.	
ML157	246.9	258	0							0					Variably fractured dk-gy sfg-smg mdb cl-spotted SST strongly affected by, sometimes brecciated, qz-cl-cc veins.	
ML157	258	262	0							0					Weakly gn-bn mottled bt- am- altered sfg-smg mdb SST with qz-cl veining at low angle to CA. Gradational to btZHF downhole.	
ML157	262	271.7	0							0					Strongly bn- gn- mottled sfg-smg tnb-mdb btZHF with bands of svfg pale px skarnoid alteration.	
ML157	278.7	287.8	2							0					V. strongly bn- gn- lt-gy mottled altered sfg-smg mdb btZHF. Relatively abundant am-po veinlets.	
ML157	287.8	289.9	2							0					Strongly tnb gn-gy pl-gy dk-gy svfg px skarnoid. Abundant po veinlets sub// to S0. Minor cc veinlets.	
ML157	289.9	292.75	10							0					Tnb camtZXS with packages of altered pxZHF. CamtZXS is fine-grained with speckled texture. Ywish ca matrix includes cc with fine-grained mt and qz, minor dk gn am and an unidentified bk mineral. Thin bands of bn-gn bt- cl- rich material. Skarn is strongly	
ML157	292.75	294.35	5							0	bt cc ca qz mt				Tnb bt-rich fine- medium grained skarn. Some bands contain greater proportions of cc and have a distinctive speckled texture with bt and qz porphyroblasts. Minor thin mt- rich bands. Cut by relatively minor ca-qz-sulphide network veins.	
ML157	294.35	296.4	5							0	mt cc bt				Tnb mt-rich skarn. Mt as fine-grained ms bands. Bands of fine-grained bt-cc- rich material.	
ML157	296.4	305.4	5							0	bt cc ca qz mt				Tnb bt- ca- rich fine- medium- grained skarn. Some bands with greater proportion of ca have distinctive speckled texture. Qz is visible in these sections. Strongly affected by ca-qz-sulphide veining. Veins particularly rich in cp and ap. Moderate coarse	
ML157	305.4	310.5	10							0	am bt cc po				Tnb dk-gn fine-grained amZXS and bt- cc- rich skarn. Strongly affected by ca-qz-sulphide network veining.	
ML157	310.5	311	0							0					Chloritic cataclasite.	
ML157	311	311.6	10							0	am bt po				Fine-grained amZXS with bn tinge from incipient bt-alteration. Strong sulphide veining.	
ML157	311.6	311.8	0							0					Badly fractured chlorite coated core	
ML157	311.8	317.8	10							0	am bt po				Fine-grained amZXS with bn tinge from incipient bt-alteration. Strong sulphide veining.	
ML157	317.8	319.7	5							0	px gt am po				Fractured tnb svfg pxZHF and gt- px- ZXS with moderate am alteration	
ML157	319.7	319.8	0							0					Ground chips of Fe-stained svfg lm pxZXF	
ML157	319.8	321.6	10							0	am bt po				Fine-grained dk-gn weakly bt-altered amZXS strongly veined by carbonate-sulphide networks.	
ML157	321.6	327.2	10							0	px bt am po cp ap				Gy bn svfg px-skarnoid with strong ds po. Po occurs infilling fractures with minor am alteration. Patchy resinous bt alteration. Lesser bands of dk-gn bn- bt-altered amZXS with coarse ds patches of po with conspicuous ap and cp.	
ML157	327.2	330.1	10							0	am bt po				Fine-grained dk-gn weakly bt-altered amZXS with tu associated with strong sulphide veining.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML157	330.1	331	5						0	px gt am bt po					Tnb gn og-bn svfg pxZHF relatively rich in fine-grained gt. Colour banding reflects varying proportions of calc-silicates in bands of probably bimetasomatic origin.	
ML157	331	333.5	10						0	am bt px po					Dk-gn bn weakly bt-altered fine-grained amZXS with sulphide veining interbanded with lt-gy svfg lm-tnb pxZHF.	
ML157	333.5	336.7	5						0	px bt am					Svfg tnb pxZHF with resinous bn bt alteration. Am-qz-po veinlets and ds po throughout.	
ML157	336.7	341	5						0	px bt am					Stongly fractured and cl-coated bt-altered svfg pxZHF	
ML157	341	347.5	0						0						Fractured dk-gy sfg-smg tnb-mdb non-mag SST.	
ML158	0	21.3	0	0		0		0	0				lam-mdb	bkn	bkn gy-og FeOH clay weathering on frag surfaces. Bands and blobs of am-px alt.	
ML158	21.3	28	1	0		0		0	0				tnb-mdb	bkn	SST w/ weak bt-px alt; network of ifg hairline px-cl veins; po-qz veins	
ML158	28	33.5	1	0		0		0	0			mot	tnb-mdb		SST sfg-smg non. magnetic; irregular qz-cl-px veins; intense veining develops pxZHF; <1cm thick am+qz+po veins	
ML158	33.5	35.2	2.5	0		0		2	0			mot mzn dis	lam-mdb		ifg pxZHF with dis po; minor band of pz-cbZXS at 34m	
ML158	35.2	37.4	5	5		0		30	0			mot pbl			mot + pbl. qz+cc+po (matrix) w/ gt px-vs? d/s po. minor pxZHF	
ML158	37.4	39.8	5	0		0		5	0			mot dis	mdb		banded + dis po; minor patcchy ZXS in ZHF	
ML158	39.8	43.3	10	0		0		0	0			lam mzn tad	lam-mdb	mcf	significant tad po	
ML158	43.3	50.8	1	0		0		0	0			mdb			sfg-scq; intense horizons of am-po, cl + qz veining-pxZHF selvages	
ML158	50.8	51.5	0	0		0		0	0					frc		
ML158	51.5	54.9	0.5	0		0		0	0			mot	tnb			
ML158	54.9	57.1	1	0		0		0	0			mot spt lam dis	tnb		spt am in px-alt; patchy weak magnetism assoc. po conc. in veins + mt (dis + in veins)	
ML158	57.1	63.9	1	0		0		0	0			dis	tnb-mdb		dis mt; weak-mod magnetism throughout most of interval; rare bands of am-px alt.	
ML158	63.9	73	1	0		0		0	0			dis	tnb-mdb	frc	fairly continous weak-mod magnetism; v. fine grained mt...dis?	
ML158	73	75.7	0	0		0		0	0			dis	tkb		dis mt + v. fine sulfide; weakly magnetic interval	
ML158	75.7	77.8	0.5	0		0		0	0			lam	lam-mdb		weakly magnetic through most of interval; minor fractured zones; pervasive bt-alt w/ bands of spt am-px alt. following bedding	
ML158	77.8	100	0	0		0		0	0			lam mot	lam-tkb	frc mcf	numerous short zones of mod-well fractured core; weak-mod magnetism throughout; bedding variable thickness; weak px-alt. throughout much of interval, highlighting bedding	
ML158	100	101.4	0.1	0		0		0	0			lam spt mzn	tnb-mdb	frc	patchy w-mod magnetism; bands of spt am-px alt. w/ more pervasive weak bt-alt.	
ML158	101.4	104.6	0	0		0		0	0				tnb-tkb	frc	mod. magnetism throughout; minor fractured zones	
ML158	104.6	109.3	0	0		0		0	0					frc	some vein-healed fractures zones; veins non-magnetic	
ML158	109.3	112.6	0	0		0		0	0				mdb-tkb		mod. magnetism throughout	
ML158	112.6	119.8	0	0		0		0	0				mdb-tkb	frc	patchy w-mod magnetism; fragments of rock/breccia in 2-3cm thick qz-dom vein; bands of px-am alt. + weak bt-alt.	
ML158	119.8	132.9	0	0		0		0	0				tnb-mdb	frc	patchy w-mod. magnetism throughout; minor fractured zones	
ML158	132.9	134.7	0	0		0		0	0					frc-ftz	well fractured interval; weak, with patchy moderate magnetism	
ML158	134.7	137.1	0	0		0		0	0				tnb-mdb		weak magnetism throughout	
ML158	137.1	149.7	0	0		0		0	0				lam-mdb	mcf	weak-mod magnetism throughout; minor small bands of am-px alt.	
ML158	149.7	154.1	0.5	0		0		0	0				tnb-mdb			
ML158	154.1	157.3	0	0		0		0	0				tnb-mdb	frc	patchy weak-mod magnetism	
ML158	157.3	160	0	0		0		0	0			spt	mdb	frc	minor band (1-2cm) spt am-px alt.	
ML158	160	181.9	0	0		0		0	0			dis	tnb-tkb	mcf	patchy weak-mod magnetism; dis py; minor cm-scale bands of am-py alt. otherwise alteration limited to veins; minor mcf	
ML158	181.9	185.5	0	0		0		0	0					mcf		
ML158	185.5	186.9	0	0		0		0	0					frc	weak-mod magnetic interval	
ML158	186.9	194	0	0		0		0	0				mdb	frc-ftz	minor XFB near start of interval; some vein-healed breccia; alt. mostly restricted to veins	
ML158	194	196.5	0	0		0		0	0			dis	tnb-mdb	mcf	dis pgv needles at start of interval--mica?	
ML158	196.5	198.5	0	0		0		0	0			mot			minor mot am-dominated alt; bedding hard to distinguish	
ML158	198.5	201	0.5	0		0		0	0						banded weak am+px and bt alt; weakly developed mixed ZHF	
ML158	201	204.3	0.5	0		0		0	0			lam mot	tnb-mdb?		minor bands of dense px alt. + diffuse lam of px-am alt. + mot am.	
ML158	204.3	206.2	0	0		0		0	0					ftz	bt+px alt. angular fragments; similar to previous interval but appears to be slightly more px	
ML158	206.2	213.9	1	0		0		0	0			lam mot rcz mzn dis		mcf	~0.1m of gtcb-gtveZXS (ZMRB?) at start of interval; lam + mzn px-am-bt alt. + mot px-am w/ dis po; mixed px-cc bands; some veins icg am in cc matrix	
ML158	213.9	215.9	1	0		0		0	0			lam dis mot		mcf	lam am-bt-px alt. w/ dis po; ccSS w/ mot px-alt. Minor mot am-po alt.	
ML158	215.9	221.9	0.5	0		0		0	0			dis mot			trace dis po; mot vein assoc. px-dominated alt. ccSS so cb alt. hard to determine	
ML158	221.9	225.1	1	0		0		2.5	0		gt--ve	lam mot tab pbl			lam px-am-bt alt; patches of gtveZXS mostly assoc. 1-15mm cc vein -5° TCA; some tab ve	
ML158	225.1	228.9	2	0		0		0	0			lam mot bnd			banded alt. w/ mot + vein hosted po; shear textures	
ML158	228.9	238.2	2	0		0		0	0			mot spt bnd			blobs of am+po w/ px halos; minor zones of more px or am rich alt & banding; bands of spt px-alt	
ML158	238.2	240.1	2.5	0		0		0	0			lam mot			blobs of am+po+qz w/ px halos	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML158	240.1	242	5	0		0		0	0			lam tad		mcf	px-btZHF; stillv ery hard but high % bt colouring px lam bn? minor texture of apparent alt-healed gouge in places w/ po replacement of grains	
ML158	242	248.7	1	0		0		0	0			mot dis			mot patches of dis px-am alt.	
ML158	248.7	251.1	0.5	0		0		0	0			dis		frc	dis po	
ML158	251.1	260.7	0.5	0		0		0	0			mot			<1m zones of more conc. px-bt + px-am alt; dark mot alt. throughout most of interval	
ML158	260.7	287.6	0.5	0		0		0	0			mot	lam-mdb		minor decimeter zones of increased bt-am-px alt; minor cc vein healed XFB at 271.0m; mt-bearing vein at 281.5m	
ML158	287.6	288.9	0	0		0		0	0			mot		frc-ftz	fractured core slightly paler coloured	
ML158	288.9	299.2	0	0		0		0	0			dis	tnb-mdb	frc	several small fracture zones; patchy soft bn bt alt; am-cpy assoc. veins + dis po	
ML158	299.2	301.1	0	0		0		0	0			dis			vein-healed breccia; diffuse bands of minor bt+px alt. in less densely veined areas	
ML158	301.1	319.7	0	0		0		0	0				mdb-tkb		sed. def. structures; patchy weak magnetism; minor bands of am alt. w/ pale halos=px? fluid bleaching?	
ML158	319.7	326.4	0	0		0		0	0						interval has higher density veins & assoc. >alt.	
ML158	326.4	330.7	1	0		0		0	0			lam mot spt			blobs of po-am alt; bands of spt px alt; last 1m of interval bn w/ bt. 30cm XFB from 326.7-327.0m	
ML158	330.7	335.3	1	0		0		0	0			dis mot			pervasive weak bt-alt. w/ bands of am-po & px halos; ~ 30cm zone of pxZHF 333.3-333.6m	
ML158	335.3	350.2	0.5	0		0		0	0			mot dis spt	lam-mdb	frc	weakly bt alt. SST w/ bands + veins of am-po alt. w/ px matrix (spt) + halos; minor dis po; minor frc zones + sed. def.	
ML159	0	11.5	0						0						Og-bn RCLY with minor blocks of wox gy smg non-magnetic SST	
ML159	11.5	39.2	0						0						Mod.- strongly clay weathered tnb-mdb sfg SST. Fractured surfaces coated with Fe and Mn hydroxides. Irregular veins replaced by same material.	
ML159	39.2	40.8	0						0						Gn-bn water-logged RCLY	
ML159	40.8	41.7	0						0						Ms rd-bn ferruginous RCLY	
ML159	41.7	46.5	0						0						Fractured cl-spotted sfg-smg tnb-mdb non-mag SST	
ML159	46.5	52.1	0						0						Oxidized and Fe-stained porphyritic FG strongly affected by se alteration. 10cm bands of qz-tu alteration	
ML159	52.1	64.3	0						0						Fresh strongly porphyritic FG with strong se and tu alteration	
ML159	64.3	75	0						0						Strongly porphyritic FG with decreasing se - tu alteration	
ML159	75	78.3	0						0						Strongly porphyritic FG with v. strong se- tu- replacement alteration. Tu occurs as bands with qz and minor py preserving original igenous texture. Strong se alteration haloes occur around tu bands.	
ML159	78.3	98	0						0						Strongly porphyritic FG with moderate but variable se replacement of feldspars and minor tu alteration.	
ML159	98	117.2	0						0						Strongly porphyritic leucocratic granite, largely unaltered with minor ds tu and some se replacing fd. Weak Fe-staining on fractures	
ML159	117.2	117.9	5						0						Strongly porphyritic granite with strong se-py alteration selectively affecting fd.	
ML159	117.9	127.1	0						0						Stongly porphyritic granite with minor se- tu- alteration and weak Fe-staining on fractures.	
ML159	127.1	127.6	0						0						Qz-tu replacement rock preserving porphyritic texture.	
ML159	127.6	127.9	0						0						Fragments of strongly crushed FG	
ML159	127.9	130	0						0						Fractured porphyritic FG. Strong se- lm- alteration.	
ML159	130	137.5	0						0						Fresh porphyritic FG, largely unaltered wxcept for minor qz-tu bands.	
ML160	0	65	0						0						Weakly mottled non-magnetic sfg-smg mdb SST.	
ML160	65	68.2	0						0						Strongly bn-gn alt sfg-smg mbd btZHF with minor qz-cl veining	
ML160	68.2	68.25	0						0						Strongly si ifg FG dyke	
ML160	68.25	69.75	0						0						Strongly bn-gn alt sfg-smg mbd btZHF with minor qz-cl veining	
ML160	69.75	69.9	0						0						Reddish tinged si ifg FG with ds tu alteration and minor qz veins infilling fractures	
ML160	69.9	75.9	0						0						Variably magnetic dk-gy sfg mdb weakly mottled SST	
ML160	75.9	76.1	0						0						Si ifg FG with moderately strong ds tu alteration	
ML160	76.1	84.1	0						0						Variably magnetic dk-gy sfg mdb weakly mottled SST	
ML160	84.1	84.4	0						0						Si ifg FG with moderately strong ds tu alteration	
ML160	84.4	108	0						0						Variably magnetic dk-gy sfg mdb weakly mottled SST	
ML160	108	119.6	2						0						Strongly bn-gn mottled sfg mdb btZHF with irregular patches of lt-gy gn px skarnoid alteration with ds po. Minor thin qz-am-po veinlets.	
ML160	119.6	125.8	5						0	px bt am gt ax po					Bn resinous bt altered svlg px skarnoid with strong veining interbanded with sfg bn bt-altered btZHF. Px skarnoid contains irregular bands that contain variable amounts of dk-gn am, og-bn gt and pl-gy ax.	
ML160	125.8	129.8	5						25	px2am>vo2vs>mt>po>ap>cp>c c					Tnb dk-gn bk vo-rich skarn. Gangue fine-grained, comprised of sub-equal amounts of px and am with lesser yw vs which preserves a porphyroblastic texture after gt. Vo occurs flooding bands, preserving porphyroblastic textures and as veins associated with a	
ML160	129.8	133	2						5	px>am>bt>gt					Tnb pl-gy gn svlg px skarnoid with cross-cutting bands/veins of am-po-cc sh. Colour banding reflects development of calc-silicates in varying proportions. Gt occurs in skarnoid.	
ML160	133	135	2						25	px2am>vo2vs>mt>po>do>ap>c p>cc					Tnb dk-gn bk vo-rich skarn. Gangue fine-grained, comprised of sub-equal amounts of px and am with lesser vs which preserves a porphyroblastic texture after gt. Vo occurs flooding bands and as irregular, somewhat wispy, veins with am, sulphides, cc and sh	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML160	135	137.3	2							0 px>ax(?)>am>gt >po>py>cp					Tnb svfg purple-gy lt-gn px skarnoid. Distinct purple tinge may be due to axinite. Thin am-gt bands present. Sulphides ds throughout, assoc with am.	
ML160	137.3	157.8	4							25 px&am>vo>vs> mt>po>ap>cc>d o>sh>cp					Tnb dk-gn bk vo-rich skarn. Gangue comprised of fine-grained px and am in subequal amounts with lesser vs. Vo occurs as bands and as irregular wispy veins which cross cut banding. Coarse sporadic sh mineralisation close assoc with vo and sulphides. Ap oc	
ML160	157.8	160.15	5							25 px&am>vomt>do >vs>po>sh					Tnb dk-gn bk vo-rich skarn. Strong porphyroblastic text preserved. Significantly higher proportion of mt. Mt is intergrown with irregular vo bands as coalescing orbicular clusters. Also notably higher proportion do and po ds.	
ML160	160.15	162.35	2							5 px>am>bt>mt>v o					Tnb svfg lt-gy pxZHF with gn- am- bn- bt- alteration and thin bands of am-mt-vo-po ZXS. Thin qz-tu-po veinlets.	
ML160	162.35	168.3	5							5 am>pc>cl>bt>mt >vo>po>cp					Tnb dk-gn am-rich ZXS interbanded with gy- bn- bt-altered svfg pxZHF. AmZXS contains significant proportion mt. Lesser vo intergrown. Strongly affected by dk olive bn cl alteration with assoc po and trace cp. PxZHF is pl-gy-lt-gn lm-tnb, poss ax- bearing.	
ML160	168.3	173.7	2							0 px bt am					Strongly fractured and crushed bn- gy- bt-altered svfg-sfg pxZHF. Includes fractured 5-10cm blocks of thick qz-rich veins with minor am and po. Fractures infilled with cl and cc. Minor brecciated chloritic shears.	
ML160	173.7	174.2	0							0					Chloritic cataclasisite.	
ML160	174.2	184	0							0					Strongly si fractured porphyritic FG	
ML161	0	38.2	0							0					Variably fractured broken SST st-scg. Cm-og clay coating on fracture surfaces and on weathered rubble.	
ML161	38.2	63.2	0							0					Intensely broken clay weathered SST. Non-magnetic.	
ML162	0	49.9	0							0					Very broken dk-gy non-mag SST with Fe-staining on fractured surfaces.	
ML162	49.9	68.3	0							0					Water logged og-bn and bn ms clays with minor blocks of SST	
ML162	68.3	73	0							0					Very broken dk-gy non-mag SST with Fe-staining on fractured surfaces.	
ML162	73	78.4	0.5	0	0	0	0	0	0	0		mot bnd		frc	weakly bt-alt SST w/ mot-bnd am±po alt. well frc + poor recovery in last 30cm + other minor frc zones	
ML162	78.4	79.6	0	0	0	0	0	0	0	0		bnd	lam-mdb		btZHF bnd w/ am-px alt. py partially coating fracture surfaces	
ML162	79.6	81.9	0.5	0	0	0	0	0	0	0		bnd-lam mzn	tnb-mdb	mcf	amZHF w/ bnd gn+pgn-cm + minor zones of btZHF. Cb veins to 4mm. Weakly magnetic po in blotchy band within dgn am band. ≤10cm pxZHF. Wt in gn fleck texture = smeared SCGR? ~8cm from 81.4m	
ML162	81.9	87	0.5	0.5	0	0	0	0	0	0		bnd-mot dis	mdb-tkb		weakly dev btZHF w/ bnd zones am-px alt. trace dis py. Multiple vein types inc some cb w/ bt florets growing in from wall, and others with detached host rock fragments 'floating' in vein	
ML162	87	93.1	0.5	0.5	0	0	0	0	0	0 lm 0.1		mot spt tad dis mzn	lam-mdb	mcf	occasional ST rip ups. Trac dis po, dis py in btZHF zones. ~25cm SCGR-smeared mud chips from 91.4m = ~4 lam w/ bed base mcf offset by 2cm, overall fining dh. Vuggy qz-vein + py	
ML162	93.1	95.6	0.5	0.5	0	0	0	0.5	0	0		lam-mot spk	tnb	frc-ftz	brecciated zone w/ ≤30cm pieces of mixed cbmtZXS (weakly developed patchy s+p), SSt-ST & ~20cm gt-alt at end/ lm stained fracture surfaces vuggy where some cb weathered out. Minor band pxZHF. Vein % approx.	
ML162	95.6	97.4	0	1	0	0	0	0.5	0	gt→ve gt→am am→bt bt→cl	spk lam sqp pbl	lam-tnb			cbmt s+p→mas mt in places, interlaminated w/ btZXS. Bt spt overprint cbmtZXS s+p text. bt→cl	
ML162	97.4	99.9	0.5	5	0	0	0	0	0	0		spk mot	lam-tnb	hbr	similar to last interval but for complete absence of lam. More pervasive s+p w/ >mt%-almost mas mt in places. Relict sqp text in bands better preserved than previous interval. Psm 4mm diameter	
ML162	99.9	100.8	0	1	0.5	0	0	0	0	0		cb→cl	euh mot col sqp	lam-tnb	ccsdZXS = mot euh sd-cc w/ cl replacement of cb rhombs & triangles in sd amtrich. Col sd w/ cl rims. Trace qz psm + minor rd cb(?)	
ML162	100.8	101.8	20	0	0	0	0	35	0	gt→ve	mot tab pbl	lam-tnb			weakly dev. Pbl gt almost completely obliterated by ve. Tab ve →4mm in po matrix. ~20cm btZHF at SOI	
ML162	101.8	104.7	2	0	0	0	0	0	0	0		mot lam	lam-tnb	mcf	mixed zones pxZHF-btZHF w/ gradational transitions	
ML162	104.7	105.2	0	0	0	0	0	10	0	gt→ve	mot pbl bnd	lam-tnb			weakly dev. Pbl w/ streaks gt→ve interbedded w/ bnd cc+px	
ML162	105.2	106.1	1	3	0	0	0	0.5	0	am→bt	mot lam spt	lam-tnb			relict sqp texture overprinted by cc-po-bt→cl alt. Very similar texture to s+p cbmtZXS but for almost absence of mt (ex. ~2cm band at SOI). Minor spt dgn in pgn = am→bt→cl in px matrix? Gt pbl obliterated by ve + am →bt	
ML162	106.1	109.9	3	1	0.5	0	0	2	0	gt→ve	mot aci pbl lam sqp	lam-tnb			relict sqp in bands & patches w/ 20cm ve-obiterated gt pbl from 108.9m. Aci am in po, cb or bt matrix, in lam-mot bands.	
ML162	109.9	113	3	0	0	0	0	2	0	gt→ve→am gt/ve→mt px→am	lam mot pbl dis	lam-tnb			lam ammtZXS / relict patches pxZHF-gtveZXS. Pbl gt→ve + am in mt. Rhomboid am in mt + spt mt in am	
ML162	113	120.1	2	0.5	0.5	0	0	0	0	qz→bt qz→mt qz→py	lam mot spt pbl sqp	lam-tnb			mtZXS w/ relict sqp texture & minerals mostly treplaced by mt+sulfides+bt. Sh →12mm	
ML162	120.1	134.1	20	0.5	0.5	0	0	0	0	bt→cl am→bt	lam mot spk sqp aci euh	lam-tnb			mixed min ZXS w/ numerous textures. Gradational ZXS types spt am inpo, am-bt in mt = overprinted s+p? Sh assoc. Sd-po. Lam am-bt-mt w. Po overprint & veins. Magnetic po.	
ML162	134.1	140.1	10	0.5	0	0	0	0.5	0		lam mot spt pbl sqp	lam-tnb			amZXS w/ ambtZXS at SOI. Minor band gtveZXS at 135.3m, otherwise no pbl. Spt po in am	
ML162	140.1	141.8	15	0	0	0	0	0	0		lam mot spt dis	lam-tnb			spt po in bt + dis po. Nonmagnetic po.	
ML162	141.8	143.9	5	0	0	0	0	0	0		lam mot spt aci dis	lam-tnb			< textured & overall smaller grainsize than previous intervals. Consists mostly of mas lam of am	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML162	143.9	146.6	10	2	0	0	0	0	0			lam mot sqp dis tab aci spt	lam-tnb		multitextured amZXS w/ relict sqp & spt am-bt-po alt. Dis po in some bands	
ML162	146.6	148.1	5	0	0.5	0	0	2	0		gt→ve	aci lam pbl mot	lam-tnb		interbanded amZXS w/ gtveZXS-pxZHF	
ML162	148.1	149.8	10	0	0.5	0	0	0	0			mot tab euh dis	tnb		tab-euh am. Magnetic po, motly in veins + minor dis po	
ML162	149.8	151.3	0	0	0	0	0	3	0		gt→ve	mot lam	lam-mdb	mcf	mod. Alt SST w/ minor gtveZXS + amZXS bands	
ML162	151.3	155	5	0	0.5	0	0	4	0			dis mot lam sqp spt	lam-tnb		magnetic po	
ML162	155	159.5	2	2	0	0	0	0.5	0		gt→ve	lam mot	lam-tnb		weakly dev. btZHF w/ minor bands pxZHF. Blobs of dis ifg po in bt-am w/ qz rims & px halos	
ML162	159.5	161.5	2	1	0	0	0	12	0		gt→ve	pbl lam bnd tab	lam-mdb			
ML162	161.5	168.2	1	0	0	0	0	1	0	lm 0.5	gt→ve	spt lam mot dis pbl	lam-mdb		dis + vein po. Blobs of po dis in am-px matrix. Minor mudchip cong. Beds toward EOI	
ML162	168.2	170.6	1	20	0	0	0	0	0			lam mot	lam-tnb		weakly dev. Bt-qzZHF	
ML162	170.6	176.8	2	1	0	0	0	0	0			mot dis	tnb		SST w/ blobs am-po alt. Diffuse mot px alt & dis po + bt	
ML163	0	22.6	0.5			0			0	0			mdb-tnb	frc	qzwacke, lm staidend fracutre surfaces; ~10mm healed cataclasite+ze(?) vein at 7.0m. ST rip up clasts at 17.8m	
ML163	22.6	25.2	0			0		0	0			mot	mdb-tnb	frc	patchy px alteration	
ML163	25.2	26.7	5			0		0	0	ax <1		lam mot	tnb	frc		
ML163	26.7	27.6	0.5			0.5		0	0			mot	mbd		am-sr blobs w/ pz halos	
ML163	27.6	28.9	0			0		0	0					flt	some ~10-20cm blocks of intact ST separated by breccia and gouge	
ML163	28.9	29.7	0			0		0	0				tnb	frc		
ML163	29.7	30.1	0			0		0	0					flt		
ML163	30.1	35.5	0			0		0	0				lam-tnb	frc	svfg-scq; lm-stained fracture surfaces	
ML163	35.5	35.6	0			0		0	0					flt		
ML163	35.6	37.2	0			0		0	0			lam	lam-tnb	frc	lm-stained fracture surfaces	
ML163	37.2	38.9	0			0		0	0				tkb	frc	scg qz-wacke; lm-stained fracture surfaces	
ML163	38.9	56	0.5			0		0	0				tnb-mdb	frc mcf	lm-stained frac. surf.; some ST rip up clasts at base of scg beds + undulating bed bases	
ML163	56	60.6	0.5			0		0	0				tnb-mdb			
ML163	60.6	70	0.5			0		0	0			dis mot	tnb-mdb		qz-wacke w/ minor patchy bt + px + am alt.	
ML163	70	72	0.5			0		0	0			dis	tnb-mdb	frc	lm-stained frac. surf.	
ML163	72	88	0.5			0		0	0.5			dis mot	tnb-mdb	mcf	qz-wacke w/ minor bt + px + am alt. patches and blobs	
ML163	88	95.9	0.5			0		0	0.5			dis mot	tnb-mdb		dis sulfides + some concentration in veins and discrete bands	
ML163	95.9	103.1	0.5			0		0	0				mdb-tkb		bt-px am alt. of qz-wacke ST	
ML163	103.1	106.1	1			0		0	0.5	ax <5		mot mzn	lam		patchy moderate magnetism; streaky veins over laminations	
ML163	106.1	107.5	30			0		5	2.5							
ML163	107.5	110.8	10			0		0.5	1						decreasing po + increasing gn-am downhole	
ML163	110.8	114.7	10			0		1	2			lam		frc	minor fracturing at start of interval	
ML163	114.7	116.1	30			0		0.5	2			lam				
ML163	116.1	117.5	10			0		0.5	2			lam				
ML163	117.5	119.4	10			0		0.5	2.5			lam			patchy magnetism; noticeably more asp	
ML163	119.4	121.5	10			0		0.5	30			lam				
ML163	121.5	122.1	5			0		0	5							
ML163	122.1	124.1	10			0		0	20						patchy magnetism	
ML163	124.1	126.4	40			0		0	2.5			tab			patches of massive asp	
ML163	126.4	128.2	20			0		0.5	0.5			lam				
ML163	128.2	130	5			0		0	0.5	ax <1		lam			several small healed fractures	
ML163	130	138.7	2.5			0		0	0	ax 5		lam mzn		mcf	minor fracture zones; occasional mt bands; several healed fractures	
ML163	138.7	141.9	2			0		0	0			mot dis		frc	numerous healed fractures	
ML163	141.9	142	0			0		0	0					ftz		
ML163	142	151.8	0.5			0		0	0			mot		frc	numerous healed fractures; rd? veins in last 40cm	
ML164	0	22.2	0			0		0	0						v. poor recovery; SST cobble-boulders	
ML164	22.2	59.7	0			0		0	0				mdb	frc	lm-stained fracture surfaces; bedded variable SS-ST	
ML164	59.7	69.7	0			0		0	0				mdb		ST rip up clasts in some SST beds	
ML164	69.7	73.4	0			0		0	0				mdb		coherent core	
ML164	73.4	80.7	0			0		0	0				mdb	frc	moderately fractured; rd? on some fracture surfaces	
ML164	80.7	96.4	0.5			0		0	0				mdb		minor fracture zones; some minor patchy bt + px alteration	
ML164	96.4	98.7	0			0		0	0				mdb	frc	moderately fractured; some bt + am alteration	
ML164	98.7	110.5	0			0		0	0				mdb		minor fragmented zones	
ML164	110.5	114.8	0			0		0	0					frc	moderately-well fractured ≥3cm fragments' lm-stained fracture surfaces	
ML164	114.8	118.9	0			0		0	0				tnb-mdb		fairly coherent core	
ML164	118.9	123	0			0		0	0				mdb	frc	mod. fractured w/ lm-stained surfaces	
ML164	123	130.8	0			0		0	0				tkb		patchy am altetation + gradational bt	
ML164	130.8	133.5	0			0		0	0				mdb	frc	mod. fractured; patchy am alt.	
ML164	133.5	134.5	0			0		0	0					frc	well fractured	
ML164	134.5	135.8	0.5			0		0	0			mot	tnb-mdb		mot in places	
ML164	135.8	142.9	0.5			0		0	0				tnb			
ML164	142.9	146.2	0.5			0		0	0				mdb	frc	mod. fractured	
ML164	146.2	156	0			0		0	0				mdb	frc		
ML164	156	159.4	0			0		0	0				mdb	frc	mod-well fractured; patchy px alt.;few mmm gouge at 159.1m	
ML164	159.4	163.4	2.5			0		2.5	0			lam mzn	tnb		banded px alt.	
ML164	163.4	168	0			0		0	0					ftz-frc	variable gouge, fractured SST w/ low recovery	
ML164	168	175.8	0			0		0	0							
ML164	175.8	177.6	0			0		0	0					ftz		

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Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML164	177.6	182	0			0		0	0				lam-tnb	frc	cm-thick cc veins	
ML164	182	188.4	5			0		0	0			lam dis	lam-tnb		significant dis sulfide	
ML164	188.4	193.8	2			0		2	0		gt→ve	lam-mot pbl	lam-tnb		am-po spotting in px	
ML164	193.8	196.4	5			0		20	0		gt→ve	mot pbl	tnb-mdb			
ML164	196.4	200.6	2			0		0.5	0		gt→ve	mot rcz	lam-tnb		recrystallised cb	
ML164	200.6	212.5	5			0		20	0		gt→ve	pbl mzn	lam-tnb		lam highlighted by mzn	
ML164	212.5	214.8	2			0		2	0		gt→ve	mot pbl	lam-tnb	mcf	minor blobs and bands of gtve + po	
ML164	214.8	219.1	2.5			0		20	0		gt→ve	pbl mot	lam-tnb			
ML164	219.1	220.8	2			0		0	0			mot mzn	tnb-mdb	mcf frc	am-mixed sulfide blobs	
ML164	220.8	222.8	0.5			0		0	0			dis	mdb	mcf	dis py	
ML164	222.8	224.9	2.5			0		0	0			tad mot	mdb	mcf frc		
ML164	224.9	240.9	0.5			0		0	0				mdb	frc	st-scg	
ML164	240.9	244.4	0.5			0		0	0				mdb	frc-ftz slk	brecciated and partially reconsolidated	
ML164	244.4	252.3	2			0		20	0		gt→ve	mzn pbl orb tab	tnb	slk	tab + euh ve-rich skarn; some ve ≠ pseudomorph	
ML164	252.3	261.2	2.5			0		10	0			mot pbl mzn rcz	lam-mdb		icg po, ve, cc irregular veins; rcz cb	
ML164	261.2	265.1	10			0		15	0			pbl		frc	magnetic patches of po; coarse, euh am, ve + po; odd opaque pale green euh mineral ~262.3m reconsolidated breccia	
ML164	265.1	267.7	2			0		10	0		gt→ve	pbl mot,mzn	mdb	mcf	magnetic patches of po; minor zone of frc	
ML164	267.7	275	5			0		0	0			mot mzn dis	lam-mdb	mcf	conc. bands + blobs of am-po w/ px halos	
ML164	275	276	1			0		30	0		gt→ve, gt→am	pbl			amphibole replacement of garnet doubtful	
ML164	276	282.8	2.5			0		2	0	ax <1		mot mzn	lam-tnb	mcf	blobs of conc. am-po w/ px halos	
ML164	282.8	286.7	1			0		0	0			dis	tnb-mdb	mcf frc	cc healed fractures; primary beds have some angular-subrounded siliceous gravel clasts	
ML164	286.7	287.9	1			0		0	0			mot		frc ftz slk	fractured core	
ML164	287.9	290.5	1			0		0	0				lam-mdb	mcf	po replacement of sed grains?	
ML164	290.5	292.2	5			0		0	0	ax <1		tad mot mzn	tnb-mdb	mcf	st-scg	
ML164	292.2	310.6	0.5			0		0	0			dis lam mzn	lam-tnb	mcf	st-scg; healed breccia at 296.2m w/ significant po assoc. weak, patchy magnetism; dis py	
ML165	0	12	0	0	0	0	0	0	0	cy 90						
ML165	12	14.5	0	0	0	0	0	0	0	cy 90		mot		bkn slk	ex. Cy alt SST(?) cm-gy-rd-bn mot, slk fracture surfaces on coherent fragments	
ML165	14.5	19	0	0	0	0	0	0	0	cy 95		mot		bkn slk	well broken ex. Cy alt SST(?) some resistant chippy fragments	
ML165	19	21	0	0	0	0	0	0	0	cy 90		mot		bkn slk	ex. Cy alt. weathered to puggy clay in places	
ML165	21	23	0	0	0	0	0	0	0	cy 90				frc	fairly coherent but weathered to puggy clay in places. SST(?)	
ML165	23	30.5	0	0	0	0	0	0	0	cy 85		mot		bkn	fairly coherent but weathered to puggy clay in places. Chippy fragments of primary grain size preserved	
ML165	30.5	35.7	0	0	0	0	0	0	0	cy 85		lam mot		bkn mcf	well weathered interval of SST(?). ~50cm fresh weakly ax altered pxZHF from ~31.5m (poor recovery otherwise); irregular weathered boundaries; used to ID rest of interval	
ML165	35.7	38.8	0	0	0	0	0	0	0	cy 99					interval almost completely reduced to puggy clay; SST protolith?	
ML165	38.8	40	0	0	0	0	0	0	0	cy 95		mot			ex. Cy alt. interval resembling previous SST interval but less coherent	
ML165	40	45	0	0	0	0	0	0	0	cy 99					SST protolith? Entirely puggy clay w/ trace grainy texture in places. Contaminated w/ organics	
ML165	45	50.4	0	0	0	0	0	0	0	cy 90		mot	lam-tnb	bkn	weathered SST; minerals + colours changed but some textures preserved. Numerous dark brown criss-crossing veins	
ML165	50.4	55.5	0	0	0	0	0	0	0	cy 90		mot	tnb-mdb	bkn	weathered pxZHF with abundant veins, mostly bkn interval	
ML165	55.5	65.7	0	0	0	0	0	0	0	cy 90		mot	lam		mostly coherent ex. Cy alt core w/ lam preserved SST(?) numerous dark criss-crossing veinlets	
ML165	65.7	67.7	0	0	0	0	0	0	0	cy 90		mot	lam-mdb	bkn	same lith as above but more broken and crumbly	
ML165	67.7	69	0	0	0	0	0	0	0	cy 90		mot spt		bkn	lighter cm-og interval lacking criss-crossing veins. Mot w/ concentrated bk-bn specks and spots + fine rdbn specks under microscope; smear out when probed. SST?	
ML165	69	74	0	0	0	0	0	0	0	cy 95		mot lam	lam-db	bkn	og-cm highly cy-alt. Coherent fragments lam of criss-cross veined. Becoming more fractured/broken	
ML165	74	113	0	0	0	0	0	0	0	cy 90		mot lam	lam-tnb	bkn mcf	predominantly cm-og mot cy. Dbn interval 78-79m = cy-alt btZHF? Increasing vibrant pgn clay band % downhole, as well as occurrence of ~10cm of gy less altered SST. Minor criss-cross veined zones. Mcf visible in some coherent sections	
ML165	113	120.8	0	0	0	0	0	0	0	cy 90			lam		fairly coherent core of lam cy-alt SST. Trace ww sections. Lack of pgn cy mineral	
ML165	120.8	126	0	0	0	0	0	0	0	cy 80; lm 10		mot	lam-tnb	bkn	crumbly alternating sub-2m intervals of yw-bn (dun) w/ cm+og-gy lam cy-alt SST and og-bn cy+lm+the alt SST(?) well broken. Bn cl(?) on fracture surfaces. Bedding difficult to pin down	
ML165	126	128.5	0	0	0	0	0	0	0	cy 40; lm 2		mot	lam-tnb	bkn	coherent fragments freshening downhole to become mot ww gy slivers w/ og cy alt fracture surfaces	
ML165	128.5	134.4	0.5	0	0	0.5	0	0	0	cy 1			lam-mdb	bkn	broken, relatively fresh SST with og-cm cy stained fracture surfaces ± lm and cl. Veins w/ bleached verges contain weakly magnetic tarnished po, py in pbl-gn sr(?) or ppl ax(?) HQ-NQ at 131.5m	
ML165	134.4	136	0	0	0	0	0	0	0						some redrilled SST fragments = contamination	
ML165	136	141	0	0	0	0	0	0	0	cy 70		spt			og mod. Hard clay w/ numerous soft bn spots—cl? Bands of pale yw-cm clay w/ bk specs. Weathered ZXS?	
ML165	141	151.7	0	0	0	0	0	10	0	cy 20		bnd mot spt tab	lam-tnb	bkn	~1m fr SST followed by ww-mw vuggy gtveZXS; vuggy where cb weathered out? Patches of icg tab ve + ifg gt→ve. Weathered to og clay + lm stained fragments in places	
ML165	151.7	153.5	0	0	0	0	0	0	0	cy 95					soft "fluffy" (wet) clay w/ fine angular dgy grains. Minor component weakly magnetic (observed when washed clean). Bands of bn clay w/ wt-cm spots. Weathered ZXS?	
ML165	153.5	158.3	0	0	0	0	0	0	0	cy 85 lm 5		bnd spt			weathered ZXS+ZHF? Minor cm in bn spt in lam bands.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML165	158.3	162.4	0	0	0	0	0	0	0	cy 80		mot spt			weathered ZHF? w/ mot + bnd cm in og-bn clay spt, gy & bn spt bands, cm bands w/ bk specks	
ML165	162.4	164.9	0	0	0	0	0	0	0	cy 95		spt			v. poor recovery + contamination. 0.7m coreloss from 163.0m	
ML165	164.9	166.5	0	0	0	0	0	0	0							
ML165	166.5	181.5	0	0	0	1	0	0	0	cy 85 lm 5		lam bnd	lam		mized bnd RCLY; dbn, og, cm-yw w/ occasional pgn clay lam. Bands often spt or speckled. Mixed ZXS and ZHF? Trace sr lam/veins.	
ML165	181.5	185.5	0	0	0	0	0	0	0			lam spt mot	lam-tnb	bkn	rotted skarn? Interbanded mot gy-bn SST(?) w/ cy alt bands of spt bn and spt bk+cm clay; remnant gt? Bk spt = mn-oxide?	
ML165	185.5	188.1	0	0	0	0	0	0	0	cy 85 lm 5 mn 3						
ML165	188.1	192.9	0	0	0	0	0	0	0	cy 85 lm 5 mn 3		lam spt mot		frc	continuation of pre-coreloss interval minus gy SST bands. gveZXS?	
ML165	192.9	194.7	0	0	0	0	0	1	0		gt--ve	mot lam rcz pbl dis	lam-tnb		ccSS w/ gy-gn-bn zones of weak am-bt-px alt + dis py, or lam rcz cc. minor bands pxZHF and gn cb. Minor streaks gt--ve + cc	
ML165	194.7	197.2	3	0	0	0	0	3	0		gt--ve	mot lam rcz pbl dis	lam-tnb		ccSS, weakly am-bt-po alt w/ some streaks of gt--ve. Minor bands pbl gt--ve in cc matrix	
ML165	197.2	199.4	2	0	0	0	0	30	0		gt--ve	mot lam pbl orb	lam-tnb	mcf	gtcbZXS w/ relict ccSS bands and minor pxZHF lam	
ML165	199.4	205.7	2	0	0.5	0	0	20	0		gt--ve	mot pbl lam tab	lam-tnb		streaks of pk-rd gt--ve, sometimes enclosing icg primary ve tab-psm in cb matrix ± po and py; overgrowing earlier SPQ texture?	
ML165	205.7	207.8	3	0	0.5	0	0	60	0		gt--ve	mot lam orb tab	lam-tnb	hbr	orb ve = overgrown gt pbl? Magnetic po. Diffuse streaks grn mt at 207.2m + increase in sulfide abundance downhole	
ML165	207.8	211	1	0	0	0	0	15	0		gt--ve	lam pbl tab mot	lam-tnb		magnetic po. Interbanded gtcbZXS w/ gt--ve and pxZHF	
ML165	211	211.9	0	0	0	0	0	0	0			mot lam	lam-tnb	hbr	py to 2mm	
ML165	211.9	216.6	3	0	0	0	0	10	0		gt--ve	pbl tab bnd lam			bands of pbl gt in cb matrix + lam of tab ve in cb matrix, intercalated with pxZHF (coreblock interval suggests ~50cm core missing from around 216m)	
ML165	216.6	221.3	1	25	0	0	0	0	0		gt--ve	spt lam		mcf	mixed ZHF; interbanded bn btZHF and bn-gn-gy qzZHF(?-too hard for bt and not px). Some btZHF bands spt w/ cm-pk mod soft mineral #gt? Magnetic po.	
ML165	221.3	222.8	1	0	0	0	0	2	0			pbl lam	lam-tnb	hbr frc	bands of coarsely pbl gt in cb, itnercalated w/ bands of predominantly cb or px. ~10cm frc at end of interval	
ML165	222.8	226.4	2	30	0.5	0	0	0.5	0			lam mot dis tab	lam-mdb	hbr frc	dis po in dgy mot weakly developed btZHF zone. Hbr at start w/ cc-ve-py-sh-cb veining. Mud chip clasts to 2cm in band at 224.0m.	
ML165	226.4	231.9	5	0	0	3	0	0	0			lam mot	lam-tnb	hbr mcf	pxZHF w/ py veinlets + py-sr-cc healed fragments. Spots & patches po ± am alt.	
ML165	231.9	236.6	3	0	0	0.5	0	0	0			lam mot	lam-tnb	hbr	minor cc-py ± sr hbr. Minor mot am-po orpy, or px-po alt	
ML165	236.6	239.9	1	0	0	0.5	0	0	0			lam mot	lam	frc	fractured btZHF	
ML165	239.9	244.5	1	0	0	0	0	0	0			bnd spt		hbr frc mcf	mod./ fractured mixed px+bt ZHF. Some pxZHF bands finely spt & pitted. Py to 3mm. 20cm pitted cb from 242.8m	
ML165	244.5	249.7	0	0	0	0	0	0	0					frc ftz	well fractured, weakly bt+px alt SST. Cl on fracture surfaces. Py to 3mm.	
ML165	249.7	253.1	0.5	0	0	0	0	0	0			lam	lam-tnb	slk frc mcf	pocked pxZHF w/ slk cl on fracture surfaces. Well fractured zones. 2cm cl-py vein at end of interval	
ML165	253.1	255.2	0	0	0	0	0	0	0					ftz	cl coated fracture surfaces	
ML165	255.2	256.7	0	0	0	0	0	0	0					ftz	increasing fragmentations downhole. Some coherent sections of cataclasis	
ML165	256.7	262.8	0	0	0	0	0	0	0			grn bnd		frc	fine grained granite dyke. Minor bands tu alt ± py	
ML166	0	3														
ML166	3	14.9								lm 1 ze 0.5		mot lam spt		bkn	≤20cm long coherent pieces amongst otherwise well broken core. Lm stained fracture surfaces + trace wt zeolite. V. Minor bt-alt lam & mot-spt am±px±py in places. Sub-1m zones of weakly magnetic ST	
ML166	14.9	24.9				0.5				lm 0.5			lam-mdb	frc	magnetic ST-SST. Uneven & offset bedbases. Mod. Frc w/ coherent sections. Sediment deformation. HQ-NQ at 24m	
ML166	24.9	31.7		0.5									mdb-tkb	frc	magnetic SST	
ML166	31.7	36.5		1									mdb-tkb	frc ftz	mod. Frc magnetic SST	
ML166	36.5	52.7	0.5							ze 0.5		euh	lam-mdb	mcf	SST, slightly coarser grainsize than revious intervals. Minor cm-scale veined zones w/ platy mt, euh am, qz, py + trace po. Trace mud chip cong. texture (unaltered)	
ML166	52.7	56.1	0.5	2						ze 0.5		lam dis	lam-mdb	mcf	Weakly developed btZHF. Mcf offset bed bases and veins. Soft wt film on fracture surfaces = ze?	
ML166	56.1	58.2	1	3						ze 0.5		mot dis	lam-mdb	mcf	veined & weakly alt. SST. Weakly mgnetic w/ mt conc. In some vein salvages + occasional x-beds. Small patches conc. Dis py + po	
ML166	58.2	61.7	1	1								bnd dis	lam-mdb		sed deformation structures in weakly alt. SST	
ML166	61.7	67		1								mot bnd dis	mdb-tkb		weakly alt. SST w/ increased vein density	
ML166	67	69.3								ze 0.5			lam-mdb	frc mcf	wealy developed btZHF	
ML166	69.3	77	0.5									bnd mot dis	tnb-tkb	hbr	weakly bt-alt. SST w/ bnd + mot am+px alt. ~10cm hbr at 79.0m	
ML166	77	81.1	0.5							rd 0.5		mot aci			weakly alt. SST w/ bands + veins of am-bt-px alt. Aci am in some veins + magnetic po	
ML166	81.1	113.3	1	0.5						rd 0.5		mot bnd	lam-tkb	mcf	weakly bt alt. SST w/ bnd + mot am + sulfide alt., particularly assoc. w/ veins. Weakly magnetic in places; mt drops out where bt alt increases.	
ML166	113.3	121	1	0.5									lam-tkb	slk mcf	finely pitted core surface=soft bt wearing out during drilling? Minor mud-chip text. ≠ Carter's	
ML166	121	128.6	1	5								mot dis rcz	lam-tkb	frc	smg w/ strong bt alt of matrix & am-qz alt particularly associated w/ veins & veinlets	
ML166	128.6	133.4	1	15								mot rcz spt	mdb-tkb		svcg-svfg SST protolith. Mgnetic po + py dis & blebs in mixed am-qz alt. Some patches on the way to amZXS. Spt = primary altered grains or secondary mineral growth	
ML166	133.4	140.9	0.5	2									tkb	slk	smg SS protolith. Bn w/ wt speckles of primary grains in bt alt matrix. Minor slk cb in fractures. Streaks of am + sulfide veins w/ bleached/px-alt salvages	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML166	140.9	157.1		1								dis mot	tkb	hbr	less bt-alt magnetic SST. Mod sorted protolith w/ no ST beds. Veins predominantly weakly HCl reactive cb; minor hbr assoc. Trace mot bt+qz+mt patches & py+bt→cl.	
ML166	157.1	160		3						rd 0.5	bt→cl	mot	mdb-tkb		boderline btZHF. Diffuse mot & zones of px-am-py-mt veins. Trace dis py.	
ML166	160	166		2						rd 0.5		mot	lam-tkb		Magnetic SST with pervasive bt alt. Uneven bed bases; low ^TCA revealed by coarse gravel bed & subsequent lam at 161.6m where bed facing uh, but similar bed at 165.8m facing dh--same bed? & core passed through fold crest?	observations suggest folding within the strata, hence bedding thickness determinations may not be accurate ie. Apparent tkb where core passes along bedding plane in relation to folded beds...?
ML166	166	182.3		0.5						rd 0.5			mdb-tkb		mod sorted SST with weak bt-alt & trace alt. veins	
ML166	182.3	197.3	2	1								mot	mdb	frc	well dev. btZHF w/ bnds am-qz-sulfide mineralization. Ivfg dis sulfide	
ML166	197.3	199.5	0.5	7								mot mzn		hbr	extensively veind btZHF. Veins predominantly mas am with partially zoned px & qz cm & bl-gy rims	
ML166	199.5	203	0.5	1									tnb-mdb	mcf	well dev btZHF w/ ivfg dis sulfide and bedding offset by mcf	
ML166	203	212.1	2	30	0.5	1				ga 0.5	cb→cpy da→cpy	mot sqp euh		hbr mcf	btZHF w/ significant qz overprint mot core bl-gy. Several veins inc. cb (sd?) vein at 206.7m containing da, ga and relict sqp texture along vein margin	
ML166	212.1	220.2	3	1				1			gt→ve	mot bnd pbl	tnb-mdb	hbr mcf	well dev., veined & mcf px/ZHF w/ ~1m btZHF & a minor zone of gtcbZXS, one with well dev. Pbl. Some ivfg gt-px near SOI. Blobs & veinlets of magnetic po	
ML166	220.2	222.1						5			gt→ve	pbl bnd	mdb	mcf	near pristine gtcbZXS w/ well dev euh gt pbl in cc matrix. Primary ve psm in some bands.	
ML166	222.1	224.6	2					5			gt→ve→am mt→he	pbl mot bnd rcz	tnb-mdb	hbr mcf	mod dev gt pbl, gone to am in some bnds. Predominantly pgn cb matrix, in places replaced by py, po or px(?). Cl+cb-hbr	
ML166	224.6	227.9	4									mot dis lam	lam-mdb	mcf	ex. Veined & mcf pxZHF w/ minor bands having dis sulfide. Magnetic po	
ML166	227.9	234.3	4									mot dis	lam-mdb	mcf	py in veins & dis po forming numerous tiny veinlets. Zones of weakly developing bt-pxZHF	
ML166	234.3	239.8										mot bnd		frc ftz hbr	weakly alt SST; bt w/ bnd am+px. Mod-well brecciated. Cl on frc surfaces and minor cl-hbr	
ML166	239.8	245.6													coherent sections of hbr. Cl on frc surfaces. No sulfide	
ML166	245.6	248.5	2					25			gt→ve mt→he	mot bnd aci psm rcz euh pbl			aci & psm am in cb veins, blebs of mt→he. Pgn cb matrix in some bands, other enar mas gt→ve. Patches of well dev euh pbl gt in cc matrix. Shear fabrics & rcz	
ML166	248.5	250.3	1	25				1			gt→ve	mot dis lam	lam-mdb	mcf	minor dis ivfg sulfide. Mod. Dev mixed px-am ZHF	
ML166	250.3	252.9	1	5								mot dis lam	tnb-mdb		mod dev ZHF. Minor dis ivfg sulfide and magnetic po	
ML166	252.9	259.6	1	15		0.5						mot bnd	lam-mdb	mcf	mod dev btZHF w/ zones bl-gy qz alt & bands of gn am alt.	
ML166	259.6	263.5		3								mot	mdb	mcf	moderately well developed btZHF with patches of ifg am-alt w/ diffuse translucent gy qz halos	
ML166	263.5	272		0.5						rd 0.5			tnb-mdb	frc mcf	SST, approaching btZHF in places. Minor frc zones assoc rd-cb & cl veins. Mcf & sed def make facing difficult to determine	
ML166	272	285	0.5	5		0.5						mot	lam-mdb	mcf hbr	SST becoming magnetic ST. bands of weakly developed btZHF & amZHF. Mot diffuse veining & minor sr+bt-hbr	
ML166	285	304	0.5	1								mot	lam-tkb	hbr frc mcf	weakly altered magenetic SST w/ minor qz-am etc vein-hbr. Grn mt borderingsome veins	
ML166	304	307.8		10								mot spt rcz mzn	tnb-tkb	mcf	slightly paler, nonmagnetic SST w/ qz-am-mt vein with am, then qz zoned salvage. SST has irregular spt-rcz? Appearance. Some bk am spt also.	
ML166	307.8	341.3	0.5	5		0.5						mot bnd	lam-mdb	mcf	nonmagnetic SST w/ bands btZHF & conc. Am-alt + sulfides assoc w/ veins.	
ML166	341.3	347.9	3	20		0.5						mot spt dis	lam-mdb		SST alt bn by bt, then streaked & mot w. gy qz. Dis qz & po. Wt spt toward EOI w/ po + bt resembles ifg orb...qz?	
ML166	347.9	349.2	3	1								mot bnd dis	lam-mdb	mcf	mod. Well dev pxZHF w/ pl tinge = ax? Mot gn am+po, not quite tad text.	
ML166	349.2	351.5										pbl bnd spt				
ML166	351.5	353.2	5	15								mot dis	lam-tnb	mcf	~25cm pxZHF w/ minor band pbl gt-cb, followed by btZHF going to qzZHF (had, dis very fine po but not bk streak). Nonmagnetic po.	
ML166	353.2	358.2	2	5								mot bnd dis	lam-mdb	mcf	mod dev pxZHF w/ minor bnd gt-alt & faint pl tinge = ax? Bt-dominated bands contain dis po; magnetic	
ML166	358.2	375	0.5	5		0.5						mot dis		mcf	rich bn btZHF w/ dis po & py + fine py veining. Minor bands of weak px±am alt. sed def.	
ML166	375	379.2	2	5								mot dis spt			mod. bt-alt SST w/ thick qz vein at 375.4m, minor am & qz alt. trace bk am spt. Magnetic po. Sed def	
ML167	0	6.4	0	0	0	0	0	0	0	lm 1 ze 0.5			mdb-tkb	bkn frc	fractured + lm alt. SST. Soft wt min in fractures = ze? (HCl non-reactive)	
ML167	6.4	12.6	0	0.5	0	0	0	0	0	lm 0.5			lam-mdb		v. Weakly alt, mostly coherent SST	
ML167	12.6	21.3	0	0.5	0	0	0	0	0			mot	lam-mdb		SST w/ bands of weak bt alt & mot am alt.	
ML167	21.3	57.5	0.5	1	0	0	0	0	0	ze		mot bnd	lam-mdb	frc hbr	well bedded SST with minor bt alteration bands & zones, seeming to favour coarser grained beds & bed bases. Mot am patches & img am veins with py, po & minor px, qz. Bt veinlets. Trace dis py. Minor frc assoc. veining. Magnetic po.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML167	57.5	61.4	0	0	0	0	0	0	0			bnd spt	lam-mdb	frc	weakly developed btZHF w/ bnd am-px alt ± spt. Minor po spt in some places. Minor frc	trays not labelled; possibility of core being wrong way round in trays? Check w/ Brendan
ML167	61.4	81.9	0.5	0.5	0	0	0	0	0			mot bnd	tnb-tkb	frc	weakly altered SST. Very minor bands of am-px alt & minor frc assoc. cl veining	ditto
ML167	81.9	85.3	0	5	0	0	0	0	0			mot	mdb-tkb	frc	frc from SOI, decreasing dh. Minor bands of weak bt alt & trace am-px.	
ML167	85.3	88.7	2	3	0	0.5	0	0	0			mot bnd	mdb-tkb	frc	~80cm pxZHF w/ extensive am-po-qz veining, followedby btZHF w/ am-po mot w/ px halos. Minor frc zones. Magnetic po.	
ML167	88.7	102.3	1	5	0	0.5	0	0	0			mot bnd	lam-mdb	frc	mod. Well dev. btZHF with zones of bl-gy translucent qz alt, often assoc.am-po-qz+px veins. Magnetic po.	
ML167	102.3	115.9	1	15	0	0	0	0	0			mot spt	lam-mdb	hbr	weakly alt SST w/ translucent gy look from qz alt. minor cl-healed hbr. Magnetic po.	
ML167	115.9	117.2	2	7	0	0.5	0	0	0			mot dis spt	tnb-mdb	slk mcf	weakly alt SST. Zones of semi-translucent qy = qz(?) alt, more bn zone = bt. Slk sr on some frc surfaces/veins. Minor am spt, dis ivfg po. Mod. Magnetic po.	
ML167	117.2	123.6	1	15	0	0	0	0	0			mot spt	lam-tnb	mcf	weakly dev btZHF w/ bl-gy qz overprint & halos around veins. magnetic po.	
ML167	123.6	128.1	1	15	0	0	0	0	0			mot	tnb-mdb	frc hbr	mod. Altered SST. Minor cb-hbr	
ML167	128.1	145.5	1	2	0	0	0	0	0			mot bnd dis	lam-mdb	mcf	mod dev btZHF w/ bnd am-qz-px alt. Minor dis ivfg sulfide. Uneven bed bases	
ML167	145.5	152	5	2	0	0	0	0	0			lam bnd mot dis	lam-mdb	mcf	well dev btZHF w/ bands & minor patches of mixed px-am+ trace ax alt. dis po conc in lam w/ am + minor streaks	
ML167	152	161.2	3	5	0	0	0	0	0			lam mot	lam-mdb	mcf	btZHF w/ mot am-qz-po-px-qz alt & veins. Nonmagnetic po	
ML167	161.2	165.2	3	5	0	0	0	0	0			lam mot	lam-mdb	mcf	moderately dev zones pxZHF w/ significant am, separated by sub-meter zones btZHF. Magentic po	
ML167	165.2	168.2	3	0	0	0	0	40	2		gt→ve→am vo→mt	mot spt aci grn			complex ZXS w/ givexZXS being obliterated by am, sulfide,vo & mt (aci + grn). Mot patches of aci vo→mt & am enclosing gt-ve. Gt more mas than pbl, however zones of spt am in variable po, py, aci vo or grn mt encroaching matrix. Weakly magnetic po.	
ML167	168.2	170	60	0	3	0	1	0	0			mot spt aci orb			nonmagnetic po. patches of orb po or cb within vo matrix or trace bt. Significant sh. Grn mt and minor sd in last 30cm, coincides with loss of orb, however no definite qz-psm.	
ML167	170	171	3	0	0	0	1	0	0			mot grn euh			grn mt. remnant streaks and patches of mixed cb, po, py and bt, →cl in places. Patches of sd w/ euh hexagonal bt, po & mt resemble sqp but suspiciously lack "psm" in long section. Veins of am-px bordered by bt have faint pbl(?) text.	
ML167	171	171.7	5	1	2	0	3	0	40		vo→mt	mot spt aci			mixed cb & vo ZXS. Shiny gy cb grain mosaic with well developed aci vo. Grn + some aci mt. Right mineralogy but no definite sqp text.	
ML167	171.7	172.4	5	1	1	0	7	0	40			mot spt			similar mineralogy to previous interval but for lack of mt. Texture very different due to pervasive matrix overprint of vo producing orb-like texture from vo growing in rather than cb, am and po growing out?	revisit once cut to double check textures and mineralogy under microscope
ML167	172.4	175	40	3	3	0	10	0	1		am→bt	mot spt aci			significant sh, particularly at 173.8m. Cs in cb or grn mt, proximal to relict am, without bt overprint; conc. Patches ifg cs at 173.m1, 174.0m. Significant sd & spt but no definite sqp. Pgn, wt & pyw cb.	
ML167	175	176.8	15	1	0.5	0	5	0	0		am→bt gt→am	mot		mcf	significant am→bt + po ZXS w/ two lesser bands of pxZHF, inturn with minor bands of amZXS & pbl gt→am. Small patch/streaks ifg cs from 176.2-176.3m.	
ML167	176.8	177.4	3	0	0	0	0	0	0			mot			bands of gt→ve w/ band of am+cb through the middle.	
ML167	177.4	179.4	3	1	0	0	0	1	0		am→bt gt→ve	mot aci euh sqp			amZXS w/ bands & streaks gt & minor bands of pxZHF. Relict patches of sqp text.	
ML167	179.4	180.9	5	0	0	0	0	2	2		gt→ve→am vo→mt	bnd spt			mixed bands pxZHF, gtZXS & amZXS w/ significant cb.	
ML167	180.9	181.9	10	2	0.5	0	0	2	0		gt→ve→am am→bt	mot sqp			relict patches gt-ve preserved in am→bt overprint	
ML167	181.9	182.4	15	0.5	0	0	0.5	0	0		am→bt	mot grn			grn mt almost entirely overprinting previous minerals & textures	
ML167	182.4	185.7	10	15	0	0	0.5	0	0		bt→cl	mot spot dis sqp			Predominantly py-rich skarn w/ cb matrix. Zones of btZHF→cl & ~40cm po-cbZXS at EOI. Some patches of po in pyZXS, otherwise sharp transition in py-po dominance. Thick qz-psm veins; qz>cb→partly sulfide replaced. Patch of ifg cs? at 184.8m	
ML167	185.7	187.2	2	0	0	0	0	15	0		gt→ve	orb bnd		frc	bands of pk gt(?) orb w/ gn ve(?) rims separated by thin bands/veins of ivfg px-gt+am+bt+ax; primary ve liing veins salvages. ~6cm orb ve & frc at SOI. Minor band aci am in cc.	
ML167	187.2	190.3	10	15	0	0	0	5	0		gt→ve	mot lam dis		mcf hbr frc	mixed gtcbZXS & mcf qzZHF w/ gn-dgy zone of cc-hbr w/ assoc. py-mineralisation & trace qz psm in cb	
ML167	190.3	192.6	5	5	0	0	0	5	0		gt→ve	mot dis		mcf	complex interval of mixed gtZXS & ZHF. Mcf zone of gtZXS & px-qzZHF ~parallel TCA followed by zone of thick, intercalated streaks of cc & gt. Gt →15mm	
ML167	192.6	197.2	5	0	0	0	0	10	0		gt→ve	mot bnd pbl orb		mcf	bands of pbl-orb gt→ve intercalated w/ thin bands of pxZHF & trace ccSS. Ax or ivfg gt in ZHF?	
ML167	197.2	205	5	15	0	0	0	0	0			lam bnd mot dis		mcf	mixed zones of mod dev lam-bnd pxZHF w/ pbn qzZHF rich in dis po	
ML167	205	209.1	2	15	0	0	0	0	0			grn ppy		mcf	ifg-img granite dyke bearing ppy fp & platy bt. Relict patches of mcf bn qzZHF	
ML167	209.1	213.1	3	10	0	0.5	0	0	0	ph 0.5		mot lam mzn	lam-tnb	mcf	btZHF no its way to qzZHF. Patches of po-qz-px alt & minor bands po-px am alt w/ trace ax(?). One vein of cb w/ euh sr(?) & ph florets along its walls; vein partly replaced by po.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML167	213.1	215.5	5	20	0	0.5	0	0	0			mot bnd	lam-tnb	mcf	qzZHFw/ dis + streaks po & bands of pxZHFmotwith po & am. Faint pl tinge from ax?	
ML167	215.5	234.9	1	1	0	0	0	0	0			mot bnd	tnb-mdb	mcf	mod dev btZHF w/ bands of gy-gn qz-am-px alt.	
ML167	234.9	248.1	0.5	5	0	0.5	0	0	0			mot spt		mcf	mixed zones of weakly bt, qz & am SST. Zones of dense bk spt= bk am?	
ML167	248.1	248.4	0	2	0	0	0	0	0					ftz	well broken up qz-veined SST w/ cl coating frc surfaces	
ML168	0	9.2								lm 1 ze 0.5		mot ruc	lam-mdb	bkn	mod. Bkn SST w/ lm-stained frc surfaces and mot lm staining around unbroken fractures/veins. Angular-rounded ST ruc in some SST beds; common orientation, →1.5cm	
ML168	9.2	22.3	0.5	1		0.5				mi 0.5		mot ruc dis	lam-mdb	frc mcf	SST w/ minor bands of weakly bt- or am-alt, latter w/ dis py. Minor frc zones. Ruc →7cm	
ML168	22.3	25.8		0.5								lam mot dis	lam-tnb		Weakly altered SST w/ b favouring coaser-grained beds, enhancing lam bedding. Minor am-px alt bnd & mot. Weak x-bed in places.	
ML168	25.8	29		0.5								mot dis	lam-mdb		diffusely bedded SST w/ faint gn am-alt mot & dis py, cpy	
ML168	29	55.2	0.5	1								bnd mot dis	lam-mdb		SST w/ minor bt-alt zones & dispersed am±px alt bands. Minor dis non-magnetic po & py	
ML168	55.2	60.5		0.5								spt	tnb-tkb		SST w/ minor qz-am veining but without bnd alt. minor bk am spt	
ML168	60.5	90.8	0.5	0.5								mot ruc	lam-mdb		SST w/ return to weak bnd alt. & gradational alt becoming weakly dev btZHF in places. Thick am+ mixed sulfide rich vein at ~71.2m, inc. magnetic & nonmagnetic po? Minor beds w/ platy rounded rip ups	
ML168	90.8	104.5	0.5	3								mot spt ruc	lam-mdb		bt-alt gradually increasing dh. Increased qz-dominated veining & trace hbr. Race chippy-platy ST ruc. Bk am spt	
ML168	104.5	106												hbr mcf	mod dev btZHF extensively brecciated & healed by cb ≠ cc	
ML168	106	115.2		5								mot ruc spt	lam-tnb		bZHF w/ diffuse, translucent bnd gy qz alt. Minor bk am spt & px-alt ST ruc	
ML168	115.2	125	1	5								mot ruc		frc hbr	similar to previous interval w/ increased veining & frc. Cb veins x-cut am-qz-po veins. Magnetic po	
ML168	125	129.8	1	5								mot bnd mzn	lam-tnb	mcf	btZHF w/ stark mzn bnd-lam zones of am-px alt--ZHF. magnetic po	
ML168	129.8	133.2								ze 0.5			lam-tnb	frc	borderline btZHF, much of it frc & w/ thin wt ze veinlets	
ML168	133.2	134.4	1	30						mn 0.5 ph 0.5		mot dis		mcf	qzZHF w/ significant qz & ex.-fg steaks + dis po. Chert-like in places w/ trace short bk streaks = mn-oxide?	
ML168	134.4	142.8	1	1		0.5						mot spt bnd	tnb-mdb		btZHF w/ bands of cm-pk px±gt(?) alt w/ gn am-dominated centers & occasional periferal qz-alt. magnetic po	
ML168	142.8	147.2	1	1								mot lam	lam-mdb	mcf	increasingly well dev pxZHF w/ faint pk-pl tinge = ax±gt? Trace cc + less HCl+ cb inc. long psm cb growth on frc surface at 144.3m. Magnetic po veinlets	
ML168	147.2	148.3	0.5					0.5			gt→ve	pbl			gcbZXS w/ zones of well dev pbl, elsewhere near mas gt. Cc + wt, lgn & dgy cb. Trace periferal ve-pseudomorphing. Relict ccSS fragment in cb veins	
ML168	148.3	150.6	2	0.5	0.5							bnd btZXS w/ bands + mot s+p, wriggite-like in places. Some bands grn mt, approaching mas mt. img cs conc. in mt band at 149.0m; lesser ifg cs at 149.1m & 150.5m. Trace sqp vein at 149.7m. Trace flecks sh. Minor gtZXS band w/ bt bleeding ino it from vein				
ML168	150.6	158.5	5	0.5							gt→am	lam bnd mot euh sqp			weakly b-alt amZXS w/ relict bands gtZXS. Semi-conc bands asp. Minor sqp inc. sqp + da veins at 151.3m & 154.0m. Patchy grn mt.	
ML168	158.5	164	3	10							gt→am	mot bnd euh dis	lam-tnb	mcf	pk-pl-cm pxZHF, w/ bt±dis po in places approaching qzZHF. Lesser bands amZXS w/ po+asp+cpy. Minor bands gt.	
ML168	164	165.4	20	1	0.5						gt→am	mot lam spt			ampoZXS w/ minor interstitial cb. Relict patches of ifg gtZXS & pxZHF	
ML168	165.4	168.4	3									mot lam spt		mcf	axZHF? Pl-tinged pxZHF w/ minor veins amZXS & po	
ML168	168.4	171.6	4	30								mot dis	lam-mdb	mcf	gradual loss of px from previous interval. Dis + blobs & veinlets po	
ML168	171.6	172.4	5	0.5							gt→am	mot		mcf	gtZXS w/ minor am-alt.	
ML168	172.4	174	7	20							gt→am	lam mot dis	lam-tnb	mcf	pxZHF (axZHF?) approaching qzZHF. ~15cm poZXS w/ interstitial am at EOI	
ML168	174	180.5	7	40								dis ruc bnd	lam-mdb		well dev qzZHF w/ Ignificant dis po & veinlets. Minor bands az-alt pxZHF. Blobs qz-po alt. Carter's-like ruc from 178.4-179.3	
ML168	180.5	185.7	1	10								mot	lam-tnb	mcf	well dv. btZHF w mot-bnd am-qz alt zones & veining. Patches qz-bt-am	
ML168	185.7	189.2	0.5	2								dis aci	lam-mdb	mcf	weakly dev btZHF. Trace dis sulfide + wt aci min	
ML169	0	16	0.5	0	0	0	0	0	0	cy 1 lm 1		dis	lam-mdb	bkn	moderately magnetic SST w/ trace ifg am-alt & trace dis py. Mostly well broken w/ lm±cy coated frc surfaces	
ML169	16	19.3	0.5	0.5	0	0	0	0	0			mot dis			moderately magnetic, coherent SST minor am-alt mot & veining w/ mt conc in salvages w/ dis magnetic po. Sed def, enhanced by ifg b, am & mt alt.	
ML169	19.3	23.6	0.5	5	0	0	0	0	0			mot dis			bt-alt ST; mt lost from much of interval but some zones still weakly magnetic	
ML169	23.6	31	1	10	0	0	0	0	0			mot dis		frc	magnetic ST, moderately bt & qz altered w/ significant dis sulfide. Mot ofremobilised mt? minor frc zones	
ML169	31	35.5	0.5	1	0	0.5	0	0	0			mot dis		frc	fractured equivalent of previous interval appearance of lgn, wt-streak mineral on frc surfaces = sr(?)	
ML169	35.5	38.2	0	2	0	0	0	0	0						magnetic ST	
ML169	38.2	76	0.5	0.5	0	0.5	0	0	0	rd 0.5			lam-mdb		weak bt-alt zones in magnetic ST. Minor cb veins toward EOI	
ML169	76	79.5	0	1	0	0	0	0	0	rd 0.5		mot spt		frc	increasingly veined ST w/ minor frc	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML169	79.5	90.6	1	1	0	0	0	0	0			mot spt dis	tnb-tkb		magnetic ST w/ slight bntinge from weak bt-alt, decreases dh. Ivfg dis po & py. Trace qz-po veining & bk am spt.	
ML169	90.6	97.4	0.5	2	0	0.5	0	0	0		mt--he	mot	mdb-tkb		magnetic ST-SST, coarser grains highlighted/favoured by weak mot am-px-qz alt, obscuring bedding.	
ML169	97.4	105.8	0	5	0	0	0	0	0		mt--he	lam mzn			increased veining in magnetic ST. Mzn veinlets w/ cb-he centers, then am, px-qz salvages. Thick qz veins ± am w/ isolated ST fragments.	
ML169	105.8	110	0	0	0	0	0	0	0			mot	tkb		magnetic SST; increased maximum sediment grainsize w/ mild bt alt of matrix, but still magnetic. Minor bands mod am-alt w/ graded px-alt salvages	
ML169	110	118.4	0	2	0	0	0	0	0			mot	lam-tkb		magnetic ST-SST w/ submeter zones nonmagnetic where bt-alt locally increases to ~30%. Slight increase in veining, qz-am dominated	
ML169	118.4	127.5	0	5	0	0.5	0	0	0	rd 0.5 ze 0.5		mot spt ruc	tkb		nonmagnetic SST w/ finely pitted surface & slightly paler colour than previous intervals. Zones of significant qz rcz & veining. Minor py spt & veinlets in ST bed. Irregular ST ruc near baseos some beds	
ML169	127.5	154.8	0.5	0.5	0	0	0	0	0			mot	mdb-tkb	frc	return to darker, finer grained magnetic ST-SST w/ minor am-alt mot & veining; some veins have conc mt salvages. ~40cm frc at SOI. Bt-alt gradually increases dh overall; some sections approaching weak btZHF	
ML169	154.8	157.3	0	1	0	0	0	0	0			mot	tnb-mdb		nondescript btZHF w/ minor bands am-mt alteration; ivfg mt conc. In streaks.	
ML169	157.3	160.2	0	10	0	0.5	0	0	0			mot			weakly dev btZHF w/ large am-px-mt mot w/ qz halos	
ML169	160.2	165.9	0.5	2	0	0	0	0	0	rd 0.5		mot	tnb-mdb		btZHF similar to previous interval but w/ small & less abundant am-mt mot	
ML169	165.9	192	0.5	0	0	0	0	0	0			mot	tnb-mdb	mcf hbr	rich paler bn btZHF w/ img qzSS w/ px-alt matrix bands near SOI. Bt graually decrease dh. Nonmagnetic. Bands of am-qz-py alt. minor dis sulfide. Minor cb-hbr at 181.2m. Sed def. Mixed grading directions through interval= facing? Dh?	
ML169	192	199.8	0	5	0	0.5	0	0	0			mot	mdb-tkb		weakly dev magnetic btZHF w/ am-px-mt mot w/ qz halos	
ML169	199.8	215.3	0.5	0.5	0	0	0	0	0				mdb-tkb		fairly homogenous nonmagnetic btZHF. Two small granitic dyklets(?) at 212.0 and 212.1m (qz-bt-tu?)	
ML169	215.3	223	0.5	5	0	0	0	0	0			mot		mcf	btZHF w/ marked increase in qz veining.	
ML169	223	225.3	0	1	0	0	0	0	0					ftz	frc weakly bt-alt SST; frc increasing dh to become well crushed XFB	
ML169	225.3	230.9	1	0	0	0	0	0	0			mot		ftz	well crushed but cohesive cm-ign core (pxZHF? Or bleached by fluids). Large patch po-py at 227.7m & 230.5m.	
ML169	230.9	249.2	0.5	0	0	0	0	0	0			spt		ftz bkn hbr	faulted SST, well bkn. Some redrilled fragments. Coherent SST or hbr sections <20cm. Hbr = po, cpy, py. Cl on some frc surfaces	
ML169	249.2	251.2	0	0	0	0	0	0	0					slk hbr	hbr interval. Ivfg gt-am alt giving faint colouration?	
ML169	251.2	253.2	0	0	0	0	0	0	0			spt		bkn	weakly alt ST w/ bt% gradually increasing dh. Bands of bk am spt	
ML169	253.2	261.5	1	2	0	0	0	0	0			mot bnd		hbr bkn ssf	odd pale, mot appearance. fluid altered ST-btZHF?	
ML169	261.5	267.3	1	0	0	0	0	0	0			bnd	tnb	mcf	well dev. btZHF w/ bands ivfg am-px alt.	
ML169	267.3	271.1	3	0	0	0	0	0	0			bnd dis	tnb-mdb	mcf	St w/ significant dis po & bands pxZHF bearing blobs am-po & mcf	
ML169	271.1	274.3	1	1	0	0	0	0	0			mot dis			btZHF w/ bands + mot patches of relict ST, some w/ ivfg qz + am alt & dis po	
ML169	274.3	285.7	1	2	0	0	0	0	0			mot dis	tnb-mdb	mcf	mot St w/ ivfg qz + am? Alt & minor bands btZHF. Magnetic po, dis + veins. Minor px bands	
ML169	285.7	286.6	40	0	0	0	0	40	0		gt--ve	mot euh	tnb-mdb		mot mix of ve-gt-am; difficult to gauge gt--ve%. Significant euh ve--primary? →3mm. Po flooding matrix & % increasing dh	
ML169	286.6	288.6	0.5	0	0	0	0	1	0			bnd mas			weakly bt-alt ST w/ ~20cm band non-pbl gveZXS	
ML169	288.6	291.4	20	0	0	0	0	40	0		gt--ve gt--am	mot euh pbl	lam-mdb		variable ZXS dominated by primary ve & matrix flooding po. Irregular patches & bands of cc ± euh ax & fl. Trace pbl gt--ve/am	revisit when cut
ML169	291.4	293.6	20	1	0	0	0	2	0		gt--am gt--ve	bnd mot euh orb pbl	tnb-mdb		variable amZXS w/ minor bands ZHF. Minor pbl am after gt. Po flooding matrix in bands. One ~5cm vein w/ abundant fl + other minerals, fringed by gt(?) & contains perfect radial starbursts of soft gn mineral-cl?	
ML169	293.6	295	3	1	0	0	0	1	0			mot	lam-mdb		mot weakly developed pxZHF w/ mineralised veins & patches. Secondary bt-alt ST	
ML169	295	301.15	1	0.5	0	0	0	5	0			mot bnd			weakly altered ST grading to ZHF in places. One zone = poorly developed ve(?)ZXS 298.2-299.0m. Veining increasing overall dh	revisit when cut
ML169	301.2	302.6	15	0.5	0	0	0	0	15		vo--mt	mta spk			btZXS, after am(?) w/ po & vo--mt flooded matrix. Trace ivfg clusters or comparatively isolated slightly coarser grains drd da. Trace ivfg cs? Nonmagnetic po.	rvisit when cut to check for cs and da discrimination
ML169	302.6	303	1	0	0	0	0	0	30		vo--mt	aci			similar to previous interval but for decreased bt-overprint & significant decrease in po	
ML169	303	308.4	1	0.5	0	0	0	0	0			mot mas	tkb		weakly altered ST w/ mineralised veins. ≤15cm bands of FG dyklets w/ se + tu alt. Radial aci wt mod hard mineral on some frc surfaces = ac? (XRD sample collected)	
ML169	308.4	312.2	1	5	0	0	0	40	0			mot mtg			strange interval, similar to previous ivfg veZXS. Ivfg ve? Altered ST. gt(?) in vein salvage. ~10cm se-alt FG dyklet. Bedding obscured by veins	
ML169	312.2	314.7	0.5	0.5	0	0	0	10	0			mas spt			return to weakly bt altered ST w/ veZXS(?) developing toward EOI; coarser grains giving spt appearance	
ML169	314.7	327	0	0.5	0	0	0	20	0			bnd mot mtg euh spk pbl	lam-mdb		mixed ifg & img gveZXS w/ bands of btZXS, amZXS & minor px-amZHF. Pbl-orb am or ve in places. Mot patches img am surrounded by ve. Grn mt in some amZXS bands.	
ML169	327	333.5	0.5	0	0	0	0	20	0		gt--ve gt--am vo--mt	mot spt bnd	lam-mdb		mot mixed gt & gt--veZXS w/ minor bands amZXS, some mt bearing w/ mtg & trace aci mt after vo.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML169	333.5	341.7	0.5	0.5	0	0	0	1	0		gt→ve	mot mtg pbl lam euh	lam-tnb		gtZXS w/ grn mt replacement of matrix, highlighting mod dev. Pdl in places. Lesser band & patches of ammtZXS w/ interstitial cb & weakly dev. Mt atolls(?). Two <10cm FG dyklets.	
ML169	341.7	358.4	0	0	0	0	0	0	0		fp→se	ppy aci euh			weakly bkn FG w/ tu & se alteration. ~30cm img bt-rich zone, followed by coarsely ~20cm ivcg ppy fp in qz, becoming icg ppy FG w/ tu ± cb+py veins & se alteration. Aci-euh tu	
ML170	0	6.2	0.5	0.5	0	0	0	0	0	cy 1 lm 1				mcf bkn	bkn SST w/ lm+cy coated frc surfaces	
ML170	6.2	25.6	0.5	1	0	0.5	0	0	0			mot	lam-mdb	frc	SST w/ minor, weak alt mot & veining. Minor frc zones. Trace dis po assoc. am-alt bnd.	
ML170	25.6	31.4	0.5	3	0	0	0	0	0			mot	lam-mdb	mcf hbr	SST w/ significant qz-hbr & am-hbr. Nonmagnetic po. HQ→NQ at 29.30m	
ML170	31.4	42.4	0.5	1	0	0	0	0	0			mot bnd	lam-tnb		well bedded SST w/ minor bnd + mot am-alt & qz-am dominaed veins	
ML170	42.4	50.1	0.5	1	0	0	0	0	0			mot bnd	lam-tnb	frc	mod frc SST w/ minor bnd + vein am+qz alt.	
ML170	50.1	72.5	0	1	0	0	0	0	0			mot ruc	lam-mdb		weakly bt-alt SST w/ qz-am veining. Trace ST ruc near base of SST beds. Minor frc assoc. veins	
ML170	72.5	75.1	10	0	0	0.5	0	0	0			mot bnd	lam-tnb		mixed pxZHF w/ significant am-alt & bnd btZHF becoming qzZHF w/ ignificant dis po & qz. Mzn mot of am-po cores w/ px halos	
ML170	75.1	77.3	0.5	5	0	0	0	0	0			mot			btZHF w/ patches of am-qz-po & qz-ph-cb blobs surrounded by zoned px-am-qz halos at SOI & decreasing dh & becoming small qz-bt blobs. Magnetic po	
ML170	77.5	78.8	0	10	0	0	0	0	0			mot lam	lam-tnb	mcf	mzn btZHF w/ bn bt- & gy-bl qz-alt favouring alternate lam-tnb bedding	
ML170	78.8	83.3	0	5	0	0	0	0	0			bnd	tnb-mdb	frc	frc weakly qz-am-bt alt SST; alt banding in coherent sections	
ML170	83.3	93	0	10	0	0	0	0	0	ze 0.5		mot ruc	tnb-mdb		weakly alt SST w/ gy qz-mot & minor am-alt. ST ruc in some beds	
ML170	93	96.4	0.5	3	0	0	0	0	0			mot	tnb	frc	weakly dev btZHF w/ am+po mot w/ qz halos. Minor blobs qz+bt. Magnetic po. Minor frc zones	
ML170	96.4	100.4	0.5	5	0	0	0	0	0			mot	tnb-tkb		weakly alt SST; ~10cm am-dominated vein at 100.3m	
ML170	100.4	109.3	0.5	5	0	0	0	0	0			mot bnd	lam-mdb		mixed mot-bnd weak-mod bt+am+qz alt SST	
ML170	109.3	111.6	0	15	0	0	0	0	0			mot bnd mzn	lam-mdb		well dev btZHF w/ mzn mot & band am-centered alt w/ px-qz halos	
ML170	111.6	120.5	1	5	0	0	0	0	0			mot	lam-tnb	mcf	weakly bt-alt SST w/ several qz- or am- dominated veins	
ML170	120.5	127.5	1	1	0	0	0	0	0			mot bnd mzn dis	lam-mdb	mcf frc	weakly developed btZHF w/ minor bands of am-po alt w/ diffuse px-halos. Minor frc zones	
ML170	127.5	131.4	0	0.5	0	0	0	0	0			ruc	lam-mdb		SST w/ small rounded ST rip ups in some beds. Trace dis sulfide. Weakly magnetic in places	
ML170	131.4	136.9	0.5	1	0	0	0	0	0			mot	lam-mdb	mcf	weakly bt-alt SST w/ am mot & bands of px-alt + am-dominated veining	
ML170	136.9	138.9	0	0.5	0	0	0	0	0			spt	lam-tnb	mcf	weakly bt-alt SST w/ significant bk am-spt	
ML170	138.9	142.7	0	2	0	0	0	0	0			mot bnd	lam-mdb	mcf hbr	mod dev btZHF w/ am-px mot & bnd. Am- and qz- veins, forming hbr in places	
ML170	142.7	149.7	0	1	0	1	0	0	0			spt	lam-mdb	mcf	SST w/ significant bk am spt & minor am-px-alt & am-qz veining	
ML170	149.7	164.2	0	0.5	0	0	0	0	0			mot	tnb-mdb		weakly magnetic SST w/ minor am-cpy-px-qz mot & m-px veining	
ML170	164.2	181.9	0	2	0	0	0	0	0			ruc spt	tnb-mdb	mcf	weakly alt & bk am spt SST. Nonmagnetic. Several ST ruc in some beds →7cm	
ML170	181.9	186.5	0.5	0.5	0	0	0	0	0	se 0.5			lam-mdb		nondescript weakly dev btZHF	
ML170	186.5	191.9	1	3	0	0	0	0	0			mot bnd		mcf	btZHF w/ significant am-qz-dominated veining toward SOI & zoned am+po alt bands w/ thick px bands toward EOI. Magnetic po	
ML170	191.9	196.7	1	0.5	0	0	0	0	0	se 0.5			lam-tnb	mcf	rich brown btZHF	
ML170	196.7	200.7	3	15	0	0	0	0	0	se 0.5		lam ruc dis	lam-tnb	mcf	pbn bt-px-qzZHF w/ bands dis po. Carter's-like mudchips. Am-po blobs w/ px halos	
ML170	200.7	203.4	3	20	0	0	0	0	0			lam dis	lam-tnb	mcf	btZHF w/ minor bnds lam qzZHF w/ ignificant dis po. Bt appears to be overprinting qz-alt.	
ML170	203.4	205.5	1	0	0.5	0	0	30	0		gt→ve gt→am	mot pbl tab aci		mcf	gtveZXS w/ minor primary ve tab. mas gt + spt-weakly dev pbl. Minor am-overprint and coarsely crystalline cc veins. Trace sh →8mm	
ML170	205.5	213.6	1	0	0	0	0	10	0		gt→ve	pbl mot tab		mcf	gtcbZXS with dpk gt near SOI & pk-og gt→ve toward EOI. Clusters of primary tab ve.	
ML170	213.6	219.6	3	20	0	0	0	0.5	0			lam	lam-tnb	mcf	ZHF w/ significant sulfide veinlets but little visible dis sulfide;hard but non-bk streak-qzZHF? Minor gtZXS band & px-alt.	
ML170	219.6	221.1	1	0	1	0	0	53	0		gt→ve,am	mot pbl		mcf	gtcbZXS mostly gone/going to yw-gn ve. Some primary ve? Weakly developed, densely packed pbl.	
ML170	221.1	222.5	0	0	0	0	0	15	0		gt→ve	mot spt rcz		mcf	~40cm mot-streaky pk-yw gt→ve in cb matrix followed by rcz cc-cb veined ccSS.	
ML170	222.5	229.7	3	0	0.5	0	0	30	0.5		gt→ve vo→mt	mot spt aci		mcf	gtcbZXS w/ significant alteration to ve. Trace aci vo→mt invasion of matrix & poikilitic sh. Occasional soft dgn streaks & patches = cl±cb±dis sulfide? Magnetic po	
ML170	229.7	234.9	2	0	0	0	0	6	0.5		gt→ve vo→mt	mot pbl aci rcz		hbr	mixed gtZXS & zones ccSS w/ ivfg am+gt+dis sulfide alt. vo-mt-cl hbr in gt→ve band. Poor-moderately developed pbl in gcbZXS zones. Magnetic po	
ML170	234.9	240	3	0	0	0	0	20	0.5		gt→ve am→vo→mt	mot rcz aci			gtcbZXS w/ significant alteration to ve. Little or not pbl. ≤60cm zones of ivfg gtZXS core half overprinted lengthways by am, rcz cb, vo→mt & sulfide. Magnetic po	
ML170	240	242.7	3	10	0	0	0	5	0		gt→ve	lam pbl rcz dis		mcf	bands of wt-pk-ywg tcbZXS, some mod dev pbl, separated by lam, noncalcareous, cm-dgy-pl bands of mized px-qz & dis po (magnetic). Lam = alt? bedding?	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML170	242.7	248.6	2	0	0	0	0	35	0		gt→ve cb→po,py,cpy	mot euh bnd			gtcbZXS w/ ignificant gt→ve. Magnetic po. Poorly dev pbl. Lam-bnd transitions between slightly different gtZXS character	
ML170	248.6	251.4	2	0	0	0	0	5	0		gt→ve, bt cb→vo, mt vo→mt	mot pbl mtg mta			bt-overprinted gtve/cbZXS w/ minor bands pblbt in mt matrix. Grn + lesser aci mt. weakly magnetic po.	
ML170	251.4	254.3	5	0	0.5	0	0	2	0		gt→ve ve→po, bt cb→mt	mot s+p spt aci		mcf	bt-overprinted cbmtZXS w/ minor bands relict gt-am & primary ve; aci/orb(?) ve replaced by po+bt ie. at 252.6m. ifg cs in bnds & patches throughout. Weakly magnetic po.	
ML170	254.3	256.6	3	0	0	0	0	0	0		vo→mt	mot mtg mta			bt-overprinted mixed gtZXS & cbmtZXS? Gradually increasing mt overall; grn bands + lesser aci from vo-flooded matrix. Scattered cs at 255.1m	
ML170	256.6	259.1	3	0	0.5	0	0	0	0		cb→mt gt→am am→bt	mot lam mtg			grn mt & bt dominated ZXS. Increase/appearance accessory asp. Overprinted gtZXS?; minor ivfg gt(?)→am patches remain.	
ML170	259.1	263.5	3	0.5	0.5	0	0	0	1		gt→am cb→vo vo→mt	lam pbl aci mta	lam		gt→amZXS w/ vo replacing cb matrix. Bt + mt overprint increases rapidly dh to become btmtZXS. Small patches/bands cs at 261.0, 261.6-262.9l magnetic po	
ML170	263.5	264.6	5	0.5	0.5	0	0	0	0		vo→mt am→bt	mot		frc	bt-overprinted, vo-matrix flooded gtcbZXS?. Patches of coarse cc w/ cl-floretted rims. Trace poikilitic sh. cs patches/bands from 264.1-264.6m	
ML170	264.6	268.3	5	0.5	1	0	0	0	0		vo→mt	mot euh mta			bt-overprint ZXS w/ appearance of da & fl in veins. Sulfides in cc veins rimmed with cl florets. ~5% sh from 267.8-268.2m. Patch cs at 267.1m	
ML170	268.3	274	5	0	0	0	0	5	4		gt→ve, am vo→mt	mot lam aci pbl mta dis	lam-tnb	mcf	bands of gt→amZXS w/ vo→mt-partially flooded matrix within mcf pxZHF & minor gy qzZHF	
ML170	274	277.5	0.5	0	0	0	0	5	0.5		gt→ve, am vo→mt cb→py	pbl dis		mcf	gtZXS w/ gt (±pbl) in places mossy pseudomorphing to ve & am, fresh in others	
ML170	277.5	279.1	0	0	0	0	0	0	0			mot		hbr ftz	ivfg gt(?) colouring px-alt fragments(?) faintly pk in cl- & py-hbr. Cohesive crush rock.	
ML170	279.1	281.5	0	0	0	0	0	0	0					flt	gy-dgn well crushed XFB w/ some coheive XFC fragments	
ML171	0	4.2	0	2	0	0.5	0	0	0	lm 0.5				bkn	bkn SST; weakly magnetic in places	
ML171	4.2	13	0	0	0	0	0	0	0					bkn ftz	well bkn SST, XFB? Subrounded fragments from redrilling? Weathered to cm-yw clay from 9.4-9.8m.	
ML171	13	32	0.5	2	0	0.5	0	0	0	rd 0.5 lm 0.5		mot			weakly am-alt & qz-veined magnetic ST	
ML171	32	34.1	0.5	10	0	0	0	0	0			mot ruc			increase vein intensity in ST, weak pervasive bt-alt & loss of magnetism. ST rip ups & sed def	
ML171	34.1	42.9	0.5	1	0	0	0	0	0			mot bnd		mcf	dbn btZHF w/ pl-gn tinged pxZHF zones ≤60cm	
ML171	42.9	44.2	1	0	0	0	0	0	0			lam bnd pbl		mcf	pxZHF w/ bands of fairly mas gtZXS; minor weakly developed, stretched pbl	
ML171	44.2	45	4	25	0	0	0	0	0			lam bnd		mcf	intercalated bands of weakly px- or bt-alt qzZHF; very hard w/ dis po & py & po veining. Blobs of po in px-alt bands.	
ML171	45	46.3	3	0	0	0	0	0	0			bnd lam			ccSS w/ minor rcz cb & minor px-stgt alt lam. Bands w/ dis magnetic po.	
ML171	46.3	48.2	1	0	0	0	0	0	0			lam bnd			mixed ZHF, slightly dominated by px over bt & am. Relict bands ccSS.	
ML171	48.4	49.2	1	0	0	0	0	1	0			bnd pbl			bands of weakly pbl-mas gtcbZXS intercalated w/ relict am-alt ccSS	
ML171	49.2	50.1	0.5	0	0	0	0	1	0			lam bnd			am-alt ccSS w/ trace bnd ve-cb	
ML171	50.1	52.8	1	5	0	2	5	0	0			lam sqp euh aci			bt = dominant mineral w/ minor grn mt lam, bands of sd & sqp, & a band of coarsely dendritic gt in rich gn cb (looks like a pink firework going off in green "sky"). Mt after am & da(?)	
ML171	52.8	54.3	4	15	0	3	40	0	0		qz→bt cb→sr qz→sr cb→po cb→cpy	lam sqp			sdZXS dominated by sqp texture, being overprinted by bt-replacement. Lesser cc & gn cb. Gn HCl- mineral replacement in some patches = sr?	
ML171	54.3	56	3	2	0	0	20	0	0	il 5	sd→po, py, cpy, m t am→bt, cl	aci mtg sqp lam mot	lam-tnb		v. complex sdZXS. Sqp w/ qz→12mm, replaced by mt & sulfides. Aci cb. Waxy lgn mas min w/ bl-gn streak=cl? Bn mn H-5 = il? Replacing am? Grn mt w/ sulfide hairline matrix. Minor cs, partially corroded?	
ML171	56	61.1	0	0	0	0	0	0	0		sd→cl, po, py, cpy qz→bt	mot spk aci sqp			gradational transition in sdZXS w/ loss of mt & >bt-alt. spk mosaic-like bt, clustered around am→cl? & bleeding into sd. Waxy dbl-gn min=cl? Mixed w/ bt & cb & →bt. Minor nests aci cc. Sqp qz→20mm	
ML171	61.1	65.5	3	0	1	1	2	0	0		qz→bt, py cb→sr, po, py am→bt	mot mtg di			dbn btZXS; overprint of am-ccZXS near SOI, increase in po from ~62.4m, then sd veins from ~64.2m. Single ifg cs in patch of cc surrounded by unaltered am	
ML171	65.5	68.5	0	5	0	10	20	0	1		qz→bt, mt vo→mt mt→he	mot mtg euh sqp aci			complex skarn w/ sdZXS & sqp overprinted by am, bt & mtg + trace aci vo in mostly isolated needles. Interstitial cc + patches of lgn waxy sr. Some mt w/ dull rd tinge & weak magnetism →he?	
ML171	68.5	71.2	3	0	1	0	0	20	0		gt→ve, am	mot mtg			strange streaky cbmtZXS w/ significant sulfide + cs??? Minor sh, poikilitic w/ mt + sulfides	
ML171	71.2	73.3	7	1	1	0	0	1	0		gt→ve, am	mot bnd lam mtg		mcf	pxZHF w/ decimeter bnds of gt→am, ve ZXS w/ matrix flooded by magnetic po near SOI & flooded with cpy & py at EOI. Minor mtg w/ trace mta.	
ML171	73.3	75.3	10	5	0.5	0	0	20	0		gt→ve, am	mot bnd lam pbl mtg dis		mcf	gtveZXS w/ significant am + sulfide overprint & mtg flooding matrix in places. Minor zone dbn-gy ZHF, approaching qzZHF.	
ML171	75.3	78.2	2	0	0.5	0	0	20	0		gt→ve, am →mt	mot mtg			gtveZXS mostly overprinted by grn mt, flooding matrix & coalescing into thick streaks	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML171	78.2	81.5	3	3	0.5	0	0	10	0		cb→po,cpy gt→ve,am	mot pbl euh mtg			mixed px- & am-dominated ZHFw/ minor bands qzZHF. 2° gtZXS,pseudomorphing to ve & am,with some icg primary am surrounded by cb(?)→po+cpy. Bands mtg matrix replacement in gtZXS	
ML171	81.5	98	2	0	0.1	0	0	15	0		cb→po,cpy gt→ve,am	lam mot mtg pbl			gtveZXS flooded w/ significant mtg, in places highlighting pbl	
ML171	98	105	1	0	0.5	0	0	15	0		gt→ve,am cb→mt	mot lam orb	tnb-mdb		amZHF & inor pxZHF bands w/ zones of mossy gt→veZXS & primary orb veZXS + veins. Minor mt invasion of cb matrix in places	
ML171	105	109.1	3	5	0	0	0	0	0			mot dis	lam-tnb	mcf	pz-tinged pxZHF w/ significant am-dominated veining. Zones of bn-gy ZHF w/ bt, qz, am & very fine dis po + ifg gt?	
ML171	109.1	112.7	2	10	0	0	0	0	0			mot	tnb-mdb		btZHF w/ increasing bl-gy qz mot dh.minor bands weak px-alt near SOI. Minor dis po +veins (magnetic)	
ML171	112.7	114.3	3	2	0	0	0	0	0			mot dis			cm-gn pxZHF w/ mot am-po streaks & blobs, approaching tad in places. Bands of moderate bt-alt. Weakly magnetic po	
ML171	114.3	120.9	0	10	0	0	0	0	0			mot ruc	tnb-mdb		btZHF w/ bt-alt decreasing dh, minor qz-am mot. Sed def w/ trace irregular ruc.	
ML172	0	16.3	0	0.5	0	0	0	0	0	cy 0.5 lm 0.5		mot		bkn	bkn magnetic SST; lm-stained frc surfaces. Trace bands am-bt alt.	
ML172	16.3	33.35	0	0	0	0	0	0	0			mas		bkn	well jointed magnetic SST, limonitic coating	
ML172	33.35	33.95	0	0	0	0	0	0	0			ruc		bkn	mudstone blebs 2-30mm thick and longer in the bedding parallel dimension	
ML172	33.95	48.15	0	0	0	0	0	0	0			bnd		bkn	weakly bedded SST, 5cm pxZHF @ 47m	
ML172	48.15	58.75	0	0	0	0	0	0	0			bnd	tnb	bkn	bedded silt/sandstone. Bedding is ~40deg to CA. Conformable contact with underlying minor mt alteration/veining. 5cm pxZHF @ 50.4m.	
ML172	58.75	58.9	0	0	5	0	0	0	0			mot			a mineral fluor. Blue and have called it scheelite. No big bits of it that look conclusively like sch. Magnetite-rich mini-skarn.	
ML172	58.9	65.75	0	2	0	0	0	0	0			mas			massive SST with stockwork of bt-cp-po-qz-cl-minor mt veins	
ML172	65.75	65.9	0	60	0	0	0	0	0			ppy	SSF		small felsic intrusive with minor planar slickensided faults (~60deg to CA) on both contacts	
ML172	65.9	79.7	0	0	0	0	0	0	0			mas			massive magnetic SST	
ML172	79.7	87.1	3	1	0	0	0	0	0			mot		mcf ssf	nonmagnetic btZHF w/ extensive am-px veining & general alteration. Magnetic po. 15cm dyklet from 81.00m	
ML172	87.1	97.4	0	0.5	0	0	0	0	0			mas mot			btZHF w/ increasing mot-veining dh.	
ML172	97.4	102	1	1	0	0	0	0	0			bnd		ssf	interbanded section of px- & btZHF w/ pxZHF dominant. Nonmagnetic po	
ML172	102	113.8	0.5	1	0	0	0	0	0			bnd mot dis	tkb	mcf ssf	btZHF w/ sections of px-axZHF. Mcf-ssf veins. Minor dis po. Magnetic po	
ML172	113.8	116.65	3	5	0	0	0	0	0			mot dis		mcf ssf	well veined mixed px- & qzZHF. Px-ax alt bnd + mot assoc veins.	
ML172	116.65	117.6	3	0	0	0	0	1	0		gt→ve	mot euh mtg			euh am + grn mt w/ interstitial cc-cb. Patches & bands of mixed sulfide. Magnetic po.	
ML172	117.6	124.2	1	1	0	0	0	1	0			mot orb tab		mcf	pxZHF w/ minor primary ve forming orb + tab, assoc. Veins. Magnetic po	
ML172	124.2	127.1	2	0	0	0	0	0	0			mot lam dis	lam-mdb	ssf mcf	btZHF w/ lgn am veins ± po & py. Bands of px-alt assoc. Am-veining & mcf/ssf	
ML172	127.1	129.1	3	0	0	0	0	0	0			lam dis	lam-tnb	mcf	mod. Dev. pxZHF w/ bands bt-alt bearing blobs magnetic po. Am-po veins w/ px salvages	
ML172	129.1	130.1	3	0	0	0	0	40	0		gt→ve gt→am	pbl bnd lam	lam		pbl gt→ve w/ ve & po replacement of matrix. Minor gt→am. Magnetic po	
ML172	130.1	136.7	0.5	0	0	0	0	20	0		gt→am gt→ve	lam mot pbl mtg	lam-tnb	mcf	mixed gtveZXS w/ bands gt→ve w/ sulfide replacement of px matrix. Lesser pxZHF. Aome bands pbl gt overgrown by am or ve. Trace mtg assoc. Am in several bands. Several zones coloured pk-pl by ifg gt. Magnetic po	
ML172	136.7	141.9	3	0	0.5	0	0	35	0		gt→am gt→ve	mot lam pbl mtg tab orb	lam-mdb		mtg replacement of gt→ve→am, elsewhere replaced by sulfide. Magnetic po. Minor am replacement of matrix. Tab ve surrounding patches of po. Conc. Sh @ 140.2, trace poorly developed ve orb.	
ML172	141.9	144.3	5	0	1	0	0	35	0		gt→ve	mot mtg	tnb-mdb		mot patchy am-mt-po-cpy alt of veZXS, largely obscuring bedding. Mt-po cpy also replacing am. Ifg-img nuggety sh throughout most of interval	
ML172	144.3	149.1	5	0.5	0.5	0	0	0	0			sqp mot bnd pbl mtg mta euh	tnb-mdb		ammtZXS w/ increasing mt & decreasing am dh. Trace spk sh. Relict bands ifg am- & trace patches of cb w/ lone or two qz psms in tact. Some mt bands w/ trace mta? Am overgrown pbl gt.	
ML172	149.1	149.8	5	0	0.5	0	0	0.5	0			lam mtg	lam		amZXS w/ minor bands of grn mt, trace sh, interstitial cb and sulfide replacement of matrix	
ML172	149.8	154.3	3	0	0.5	0	0	55	0		gt→ve gt→am am→mt	orb mtg mot pbl mta euh tab	tnb-mdb		euh am. Gt pbl →ve orb →am w/ am → grn mt invading matrix. Sulfide replacing matrix. Mixed bands mas ifg gt→ve, pbl→orb gt→ve and swirls am-px-cb	
ML172	154.3	156.9	2	0	0	0	0	25	0		gt→ve	mot mas tab	lam-tnb		mixed mas ifg gtZXS w/ bands gt in px and minor bands tab primary ve & ZHF	
ML172	156.9	164.9	2	0	0	0	0	40	0		gt→ve	mot mtg bnd pbl orb tab	lam-tnb	mcf	mt overprinting gtveZXS; some bands approaching mas mt. Sulfide replacement of matrix.ragged edged weakly dev. Orb = ve after gt pbl(?) trace bands am w/ interstitial cc + sulfide	
ML172	164.9	168.3	3	0	0.5	0	0	0.5	0			mot bnd mtg aci	lam-mdb		aci-euh asp & am. Remnant am pbl in mt, after gt.ifg-img da dispersed & in veins. Trace cc & fl. Ve preserved toward EOI	
ML172	168.3	173.3														
ML172	173.3	175.3														
ML172	175.3	179.3														strongly faulted material mod-strongly magnetic. Gouged skarn.
ML172	179.3	187.2														bkn FG w/ moderate se & tu alteration
ML172	187.2	194.2														mixed SST and btZHF with small FG dyklet

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML173	0	10.4	0	0	0	0	0	0	0			mas	tkb	bkn	limonitic and clay-filled joints	
ML173	10.4	15.4	0	0	0	0	0	0	0			mas	tnb	bkn	as above with some heavier oxidation as selvage to joints (~2cm oxid zones)	
ML173	15.4	27.1	0	0	0	0	0	0	0			bnd	tnb		interbedded mud and sand stone. Weak patches of px-am-btZHF from 20m to EOI.	
ML173	27.1	36.2	0.5	0	0	0	0	0	0			bnd	tnb	bkn	alternating bt-pxZHF, orbicules of incipient skarn development, diss po, more po 33.4-33.7...~20% over this short interval	
ML173	36.2	53.5	0	0	0	0	0	0	0	bt 2		bnd	lam	bkn	interbedded SST and ST, patches of weak bt alteration	
ML173	53.5	63.25	0	0	0	0	0	0	0			bnd	tnb	bkn	alternating SST and ST but with odd green band also. I have called these amZHF in interim.	
ML173	63.25	65.75	0	0	0	0	0	0	0			shz		flt	cohesive cataclasite	
ML173	65.75	68	0	0	0	0	0	0	0			bnd	tkb		bt-dominant hornfels	
ML173	68	68.7	0	0	0	0	0	0	0			shz		flt	fault breccia	
ML173	68.7	72.6	0	0	0	0	0	0	0			mot	tnb	bkn	71.6-72.5:pale cm pxzhf	
ML173	72.6	76.35	0	0	0	0	0	5	0			pbl bnd	tnb		interbedded gtZXS with ccSS	
ML173	76.35	81	5	0	0	0	0	25	0			pbl bnd	tnb		dominated by ve after gt skarn, small patch (~10cm) of relict SST	
ML173	81	87.6	0	0	0	0	0	10	0			bnd	tnb		gtXSwith relict patchesof ccSS	
ML173	87.6	89.6	4	0	0	0	0	10	0			bnd pbl	tnb		pyrite-po rich veZXS interbedded with biotite rich layers and rare ccSS	
ML173	89.6	97.3	2	0	0	0	0	0	0			bnd grn	tnb		alternating mt rich layers with bt/cl rich layers. Py & po disseminated as blebs and veinlets	
ML173	97.3	98.75	0	0	0	0	0	45	0			pbl bnd	tnb		almost devoid of magnetite	
ML173	98.75	111.75	0	0	0	0	0	5	0			bnd mot pbl grn	tnb		alternating mt and bt layers, occ ve layer and blebby pyrite	
ML173	111.75	119.15	20	0	0	0	0	0	0			bnd	tnb		blebby to massive po over short intervals. Some relict SST	
ML173	119.15	119.9	2	0	0	0	0	0	5			bnd aci	tnb		acic vo crystals observed, he? Bands...looks like mt but non-magnetic	
ML173	119.9	132.8	15	0	0	0	0	0	0			bnd	tnb		sulfide rich hornfels/skarn	
ML173	132.8	136.3	0	0	0	0	0	0	0			bnd	tnb	bkn	bt-dominant hornfels	
ML173	136.3	146.5	0	0	0	0	0	0	0			bnd	tnb	bkn	bt altered SST/ST	
ML173	146.5	148.9	0	0	0	0	0	0	0			mas			fine-med grained granite (chill margin?) with patchy blobby Tu altn	
ML173	148.9	155	0	0	0	0	0	0	0			mas			coarse grd granite with vein-like tu altn. EOH.	
ML175	0	5.3	0	0	0	0	0	0	0			ruc	tnb-mdb	frc bkn	interbedded scg SS w/ finer SS. Abundant ruc's. Og-wt clay weathering on fracture and vein surfaces.	
ML175	5.3	8.4	1	5	0	0	0	0	0			aci mot	tnb-mdb	frc bkn	SST w/ am-qz-po-py veins mottled pale px alt halos. Po alt to py.sx's dis and conc in bands. Non mag. Variable fracturing	
ML175	8.4	26.8	0.5	2	0	0	0	0	0			mot	lam-mdb	mcf	SST w/ og-cm weathering along fractures and veins. Weak am-px pale gn alt. Eu py forms in voids.	
ML175	26.8	33	2	0	0	0	0	0	0			bnd mzn lam tad spt	lam-mdb	frc	St-scg alt to pxZHF with lesser btZHF. Spt, clustered and dis po. Vuggy weathered areas po alt to py. Spotted tad appear to be forming tad texture. Minor band of XHB.	
ML175	33	37.6	0	0	0	0	0	0	0			mot bnd	tnb-mdb	frc	weakly px-bt alt SST non mag.	
ML175	37.6	39.2	0.5	0	0	0	0	0	0			mot lam	tnb-mdb	ftz frc	Igy gn pxZHF increased fracturing. Strong og weathering on fracture surfaces at 39.1m. Abundant cl veins. Cl coating clasts.	
ML175	39.2	48.1	2	5	0	0	0	0	0			mot	tnb-mdb	frc hbr ftz	btZHF w/ lesser mot pxZHF. Img am-po anastom irreg veinlets. Vuggy sx's. Fractures healed by cl-cb. Ifg dis sx's + clusters of img po and cpy.	
ML175	48.1	60.1	0.1	2	0	0	0	0	0			mot	tnb-mdb	bkn	weakly bt and px alt SST with abundant qz rich veins- irreg and dendritic. Img py growing in voids. Weakly fractured healed with qz.	
ML175	60.1	67	1	2	0	0	0	0	0			mot bnd orb	tnb-mdb	bkn	weakly developed btZHF with abundant irreg-anastom- discont po-am-py-qz veinlets ± am or py alt halo. Gn am alt bands and patches. 53.2m qz-bt orbs. Non magn.	
ML175	67	86.2	0.1	1	0	0	0	0.1	0			bnd mot lam orb	tnb-mdb	bkn frc hbr	variably bkn SST zones weakly alt to btZHF w/ rare px-am alt bnds and patches. At 79.5m bt-qz orbs. Zones of fracturing healed by cl cc and qz. Img eu py growing in voids. Spotted bt alt.	
ML175	86.2	91.2	0.1	1	0	0	0	0	0			bnd mot		bkn frc hbr	SST w/ increased fracturing healed by cl. Minor bands of am-px alt in centre of alt small % of sx's. increased bt alt dh.	
ML175	91.2	94.4	0.5	1	0	0	0	0.5	0					ftz hbr brc shz	intensely fractured SST with cl healing fractures. Cl coating fragments. Boundary intermixed boundary at 74m with btZXS.	
ML175	94.4	96.7	1	5	0.1	0	0	5	0		am→bt gt→ve ve→am	mot pbl mas dis		ftz hbr brc shz	btZXS with patchy intense fracturing-gouge. Minor intervals of lesser alt ve-amZXS with patches of unaltered pxZHF.	
ML175	96.7	107.7	2	5	0.1	0	0.5	1	0		am→bt	bnd dis grn psm		hbr frc	img btZXS with stripes of conc gran mt. rare sd-qz patches partially replaced by mt. da+cc vein. Large 5cm patch of da with mt alt. at 102.8m small ftz zone. Healed by cc-cl. Minor unaltered patches of gt-veZXS.	
ML175	107.7	110.9	3	1	0	0	0	5	0		gt→ve ve→am gt→am	pbl mot mtg vet dis		hbr frc	dgy-gn amZHF with patches and veins of gtZXS with tab ve and interstitial cc. some gtZXS patches have entirely alt to amZXS.	
ML175	110.9	120.6	2	5	0.1	0	1	0	0		am→bt sd→mt	bnd dis mtg psm pbl		bkn	banded mas grn mt with interbands conc img bt material + ifg dis po. Minor patches of partially replaced sd by mt. pbl texture towards end of unit.	
ML175	120.6	129.5	60	2	0	0	0.1	0	0		am→bt	mas dif pbl aci			poZXS consisting of conc bands of ms po, ds in minor bands of btZXS and intergrown w/ am aci am. Po very weakly magnet.	
ML175	129.5	134.3	40	5	0	0	0	5	0		am→bt gt→ve	pbl lam bnd aci	lam-tnb		interbanded po-amZXS with interbeds of amZHF and btZHF. Minor band of gt-veZXS at beginning of unit. Abundant <3cm thick qz-tu-apy veins. // to bedding.	po becomes more magnetic downhole
ML175	134.4	140	20	5	0	0	0	0	0		am→bt	bnd lam mzn dis pbl	lam-tnb		thinly banded ZHF with interbeds of ampoZXS (variable % of am alt to bt). Abundant thick veins of qz-tu-apy qz-po veins, 2 stages of vein formation. Mas po band cross cuts bedding.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
ML175	140	143.8	5	5	0	0	0	2	0		am→bt	bnd mzn dis lam ruc pbl mta vet	lam-tnb		interbanded bt and px ZHF with thin interbands of am-poZXS and am-mtZXS with aci mt. at 142m thick 20cm qz-tu-apy-fl vein. Qz-apy-tu-fl veins irreg and cross cutting + small amounts of rd-bn mineral ?da occurs in veins. Vein of XHB at 140.6m cross cuts	
ML175	143.8	145.1	0	1	0	0	0	0	0						btZHF with lesser pxZHF intensely brecciated along a hydrothermal vein, cc-cl-py cement. Qz-tu-apy veins also brecciated. Veins contain abundant lithic frags.	
ML175	145.1	147.9	20	2	0	0	0	0	0		am→bt	mta mzn lam dis			btZHFw/ am-poZXS interbands from 10cm-1m thick. Within am-poZXS trace da.	
ML175	147.9	155.3	5	5	0	0	0	0	0			ruc tad mot	lam-mdb		mottled btZHF and lesser pxZHF. Originally scg-smg SS with beds of SCGM. Patches overprinted with am-po. Abundant am-po veins then a later stage of cross cutting qz-tu-apy veins (≤3cm).	
ML175	155.3	168.4	0	5	0	0	0	0	0			mot spt	tnb-mdb		SST with zones of increased bt alt. surrounded the qz-apy-tu veins (<2cm) are pale spotted px-bt alt halos with d/s apy and po ±am.	
ML175	168.4	173.1	0.5	0	0	0	0	0	0			ppy			ppy FG with abundant tu-qz greisen. Alt spreads along veins. Zones of strong se alt of fp.	EOH
RW002	0	3	0						0	tu					colluvium and broken core with significant core loss. Comprising ZM, dgy SM, tu-altered FG.	
RW002	3	6.5	0						0						wt-gy smg-scg unconsolidated qz-rich sand.	
RW002	6.5	13.8	1						0	do cc tu py					predominantly unconsolidated gravel with short intervals intact core and lesser wt unconsolidated sand. Colluvium comprises sub-rounded gravels: qt-tu rock and ms dolomitic marble. Intact core comprising wt qz-rich dolomitic ZM, which is ms to irregularly	
RW002	13.8	18.4	0						0	cc do se					fresh to vox lam-tnb wt-gy ZM to ms wt dolomitic ZM. lam-tnb ZM has cc bands with alternate bands rich in bk ifg rounded grains of soft mineral which is occasionally weathered out, leaving a pitted core surface. Minor se alteration and se veins. ms wt dol	
RW002	18.4	18.9	0						0						Unconsolidated wt sand with angular gravel sized pieces wt ZM - likely represents rubbly core originating from uphole.	
RW002	18.9	22.9	0						0	cc, se, qz-cc					dominant ms wt ifg-img do-rich, qz-rich, weakly effervescent ZM, with lesser lam-tnb wt-bk ZM bearing alternate thin bands cc and bands rich in soft rounded bk grains as described uphole. Veins comprise cc and se with minor se alteration concentrated in	
RW002	22.9	23.6	0						0	mt cc clay					moderately magnetic bk shale bearing hoirzons fg granular mt. Moderately altered to clay in places. Veining increases downhole, comprising lgn-gn very soft occasionally fibrous mineral with resinous-vitreous lustre - ?cl, and lesser cc veins. Minor aci ro	
RW002	23.6	24.8	0						0	cl					Undifferentiated skarnoid rock, comprising apparent metasomatically altered shale protolith, weathered to lesser lgn-igy RCLY intervals. Gn-gy rd soft cl and clay altered ZXS with intense anasotmosing vein network of soft dgn cl, with veins commonly weath	
RW002	24.8	25.5	0						0	tu					ifg leukogranite dyke with patchy tu alteration in sharp contact with RCLY uphole, cut by gn cl veins.	
RW002	25.5	26.3	0						0	cl					fractured and undifferentiated gn-rd ZXS as seen uphole and variably cl altered bk SMH. SMH is predominantly non-magnetic, with short mt-rich interval (<10cm) in which mt is fg-vfg and granular. Thick cl and clay veins occasionally brecciating ZXS.	
RW002	26.3	27.3	0						0	tu					ifg qz-rich FG dyke with patchy tu alteration and abundant cl veins, with lesser tu veinlets and veins soft bn resinous vein material seen 13.8-18.4m. Veins commonly altered to clay, and fracture surfaces coated with cl and clay.	
RW002	27.3	36.3	0						0	cc do tu se					ms wt ifg qz-rich dolomitic ZM, weakly effervescent, with minor se alteration and rare cl veins. Patchy tu alteration also. Zoned cc-tu veins with cc margin and tu core.	
RW002	36.3	37.8	0						0	cc se					wt-bk lam-tnb highly calcareous ZM with alternate bands rich in rounded soft bk grains described uphole. Patchy tu and se alteration.	
RW002	37.8	38.3	0						0	do cc qz se tu					wt ms qz-bearing dolomitic ZM with patchy ty and se alteration. Cut by zoned cc-tu veins. Se alteration increasing downhole. ?Incorrect end of unit depth - check when core in shed	
RW002	38.3	45.2	0						0	se tu					wt-bk lam-tnb ZM with markedly increased tu & se alteration compared with uphole. Tu alteration spotted in places with rounded spots (<3mm) vfg tu with blurred margins in contact with ZM. Minor ms ZM. ?Incorrect start of unit depth - check when core in	
RW002	45.2	46.7	0						0	cc mt se tu					wt-bk lam-tnb with minor open folding and se/tu alteration. SMH: ms bk, weakly to strongly magnetic with patchy vfg granular mt. SMH contains x1 band (2cm) lbl px alteration. Cut by cc veins. Unit also contains FG dyke with tu alteration.	
RW002	46.7	50.4	0						0	cc se tu mt px vs gt					lam-tnb and ms ZM with se alteration with intervals mt-bearing SMH. SMH: intervals <20cm thick, moderately fractured, ranging non-magnetic to mt-bearing. At 48.7m band lbl px alteration with minor vs replacing pk gt. Cut by cc, cl, and clay veins, where s	
RW002	50.4	51.6	0						0	cc do se					wt ms qz-rich dolomitic ZM with minimal se alteration.	
RW002	51.6	52.7	1						0	mt cl cc py					fresh-vox clmtZXS with abundant cl and cc. mt patchy, vfg, and granular. Cut by anastomosing cc veins. Variably weathered to lgy clay in places. Occasional ds py.	
RW002	52.7	53.6	0						0						weathered fractured img bt-rich FG with common clay minerals.	
RW002	53.6	55.8	0						0	tu se					fresh icg-ifg leukogranite with patchy tu alteration and tu pseudomorphing fp. se alteration also. Grain size decreasing gradually to ifg downhole.	
RW002	55.8	58	0						0						fresh ifg bt-rich wt leukogranite.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
RW002	58	60.5	0						0						ifg-img hb-bearing FG with increased grain size and decreased bt content compared with 55.8-60.5m. aci bk hb throughout, increasing downhole.	
RW002	60.5	62	0						0 se						img hb-bearing leukogranite with mild se alteration of fp.	
RW002	62	67.4	0						0 se tu						porphyritic FG with both tu and se replacement of fp. Se alteration increased from uphole. Bt-bearing, and lacking hb noted in units uphole.	
RW002	67.4	70.4	0						0 tu						ifg-img porphyritic leukogranite with patchy tu alteration. Tu patches have blurred margins, and tu alteration increases downhole. Bt common, lacking se alteration.	
RW002	70.4	74.8	0						0 tu se						porphyritic to equigranular mu-bearing leukogranite with ubiquitous patchy tu alteration, with blurred patch margins. Se alteration reappearing, and mod-strong in places. Cut by qz-tu veins up to 2cm thick.	
RW002	74.8	87	0						0 tu se						ifg-icg porphyritic to equigranular mu-bearing leukogranite with patchy variable tu alteration and lesser se alteration.	
RW002	87	139.5	0						0 tu se						img-icg porphyritic leukogranite, consistent and monotonous, unlike FG units uphole. Tu alteration both patchy with irregularly bordered patches up to 5cm diameter, and as tu pseudomorphing fp phenocrysts. Lesser se alteration, pseudomorphing fp.	
RW002	139.5	140.7	0						0 sr mt cc						Bk ms vfg srZXS with minor 2dry mt ds. Minor patches and veinlets of cc.	
RW002	140.7	140.9	0						0 ca sr						Bk speckled carbonate. Bk speckling from pervasive serpentinisation. Small clots of gn sr occur rimmed by wt cc. Marble is partially calcic, effervescing weakly to moderately in HCl. Minor sr-cc veins.	
RW002	140.9	145.75	0						0 ca sr						Ms fine- medium-grained crystalline weakly calcic marble. Cut by pervasive network of anastomising sr-qz-cc veins with sr sometimes forming clots.	
RW002	145.75	151.55	5						0 ca px sr po						Complex unit of altered conglomeratic carbonate, polymict conglomerate and altered siliceous sediments with disrupted bedding. Carbonate-rich areas strongly veined by sr-po. Altered sediments now svfg lt-gy px-skarnoid with strongly ds po. Some siliceous b	
RW002	151.55	153.1	3						0 mt bt						Weakly mt mineralised matrix-rich conglomerate. Very dk and fine-grained. Sub-rounder - sub-angular clasts of dk-coloured siliceous clasts in moderately magnetic vfg bk matrix. Minor po ds and as veinlets.	
RW002	153.1	155.2	0						0 sr						Altered conglomeratic carbonate with lesser siliceous clasts, now svfg skarnoid. Strong bk sr veining and alteration.	
RW002	155.2	161.55	0						0 ca sr						Ms fine- medium-grained crystalline weakly calcic marble. Cut by pervasive network of anastomising sr veins with sr sometimes forming clots.	
RW002	161.55	169	0						0 sr						Marble pervasively affected by anastomising network of gn sr veins. Distinctive pk coloured zones suggest a significant Mn content. Becomes increasing fractured towards lower contact.	
RW002	169	172	0						0						Polymict conglomerate and lt-gy svfg px skarnoid. Downhole change in conglomeratic unit from svfg px skarnoid through rd-bn hematitic conglomerate (matrix supported fine-pebble sized angular clasts) to coarser polymict conglomerate grading into conglomerate	
RW002	172	177.8	1						0 mt ca sr wo? Po						Mt-rich skarn. Rare irregular patches (relict clasts?) of lt-gn px skarnoid and poss phyrlic felsic volcanics occur near upper contact. Minor bands of sr gy crystalline marble. From 173.0-173.7 there is a medium grained skarn rich in a pearly wt mineral tha	
RW002	177.8	180	0						0						FG contact zone: upper 40cm ivfg chilled si with gn tinged alteration grading into strongly porphyritic FG.	
RW002	180	213.5	0						0 tu se						lcy FG with minor tu and se alteration.	
RW003	0	4	0	0	0	0	0	0	0						alluvial cobbles	
RW003	4	7.6	0	0	0	0	0	0	0			mot			vuggy silcrete? Hard gy wt fragments with corroded void spaces and mot bk swirls. Non magnetic	
RW003	7.6	12.2	0	0	0	0	0	0	0						puggy dgy-bk swelling clay w/ qz sand-pebbles (rounded) throughout. Siliceous boulder frag at 10m. doZMRB at ~11m	
RW003	12.2	16	0	0	0	0	0	0	0						siliceous silty sand w/ occasional boulder fragments. Gy-bk-og vuggy porous siliceous very hard rock/ silcrete? ZXS?	
RW003	16	18	0	0	0	0	0	0	0						soil like clay-silt interval w/ very fine sand scattered throughout.	
RW003	18	21.8	0	0	0	0	0	0	0						vuggy hard rock fragments. Alt qz-rich doZMRB? Weathered skarnoid? + frags pbl/spt qz-do-tu-bt rock.	
RW003	21.8	27.3	0	0	0	0	0	0	0							
RW003	27.3	28.3	0	0	0	0	0	0	0							
RW003	28.3	30.6	0	0	0	0	0	0	0						flakey soil bn-bk mud-silt	
RW003	30.6	32	0	0	0	0	0	0	0						cm-gy siliceous sfg w/ boulders of doZMRB rubble	
RW003	32	36.4	0	0	0	0	0	0	0						soil like w/ gravel scattered through + occasional frags of vuggy alt doZMRB ± pxZHF	
RW003	36.4	39.3	0	0	0	0	0	0	0 lm					frc	interspersed fragments of doZMRB + gn-bl-og porous altered doZMRB-skarnoid	
RW003	39.3	43.7	0	0	0	0	0	0	0					frc	vuggy frc doZMRB weathered to angular qz grains in places	
RW003	43.7	45.5	0.1	0	0	0	0	0	0 cl 0.5			bnd			weakly vuggy doZMRB with thin bands of bk mineral (mn oxide ± mt) minor clusters of dgn mineral px-sr ± cl	
RW003	45.5	51.1	0	0	0	0	0	0	0					frc	vuggy fractured doZMRB	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
RW003	51.1	53.3	2	1	0	10	0	0	0			mot tad spt bnd lam hbr		frc	transitiona; pxZHF with tad am-px alt. bn-cm streaky zone followed by mot-bnd-lam of dgy-cm-gn-pk alt. dis and grain replacements sx. Py <5mm in py-or veins frags.	
RW003	53.3	57.2	3	0	0	10	0	1	0	lm 0.5, cy 20	gt→ve, gt→am	pbl mot bnd hbr aci		frc	first 30cm ex. cy alt gtveZXS? =pbl cm in gn matrix. Rest pxZHF w/ gn am rims and blobs am-po trace blob aci sr w/ cb? Core hbr?	
RW003	57.2	58.3	0	0.5	0	0.5	0	0	0	lm 5		bn lam mot			SST-gravel protolith. Clasts up to 6cm. Minor folded qz veinlets. Weak-mod magnetic bands of mas mt.	
RW003	58.3	63.3	0	0.1	0	10	0	0	0	lm 30, cy 20	am→cl, bt→cl	mot lam spt bnd		frc	mw pxZHF w/ vw zones porous and crumbly, spt bands-weathered tad?	
RW003	63.3	65.7	0	0.5	0	0	0	0	0					frc	vuggy w/ blobs, yw-og fine grained +porous trace sr/mica up to 5mm	
RW003	65.7	67	0	0	0	0	0	0	0			mas lam psm euh			quartzite, mostly mas, w/ trace clusters of qz prisms up to 3mm long. Small euh voids where grains have weathered out. Lam crenulation texture downhole.	
RW003	67	70	0	0	0	0	0	0	0					frc ftz slk	very poor recovery a few frags slk. Several cm-pk-pl= px-ax (30% ax) ZHF? + cl alt spt blobs.	
RW003	70	73	0	0	0	0	0	0	0	lm 5		mot		frc	qz rich ccdZMRB w/weathering increasing downhole + vugginess + frc	
RW003	73	75.2	0	0	0	0	0	0	0						fragments of mw ccdZMRB? pxxZHF + qzSS w/ mn-oxides (bk specks) conc around veins.	
RW003	75.2	79.8	0	0	0	0	0	0	0						mixed zones of mot-lam clays, cm-gn clay w/ bk specks. Water damaged	
RW003	79.8	83.8	0	0	0	0	0	0	0						water damaged. Trace streaky/lam texture falls apart when handled, minor itg mica. Lm+mt % unknown.	
RW003	83.8	95	0	0	0	0	0	0	0						cm-og rcly with angular qz granules scattered through it, up to 6mm diameter washed out by rain. qz+ka icg mw granite with minor tu alteration	
RW003	95	101.8	0	0	0	0	0	0	0							
RW003	101.8	108.5	0	0	0	0	0	0	0						continuation of pre core loss unit. qz+ka icg mw granite with minor tu alteration	
RW003	108.5	111.1	0	0	0	0	0	0	0			lam spt bnd			lam fragments of lm-he-cy alt. with spt bnd of lm? Sr veins + dis mi?	
RW003	111.1	112.6	10	0	0	0	0	0	0	cl 1		dis mot			dis sulphide, bands of px-am alt mot w/ bt alt	
RW003	112.6	113.5	0	0	0	0	0	0	0	lm 10, tu 10		grn			tu-lm altered FGRA dyke	
RW003	113.5	120.8	0	0	0	0	0	0	0	mi 0.5	am→bt	mot	tnb-mdb		smeary mot mixed bt-px-am alt. qz-or veinlets near granite contact	
RW003	120.8	178.4	0	0	0	0	0	0	0	lm 0.5		grn			gn feldspar alt. near tu veins. Finer grains near contact overall.	EOH
RW004	0	9	0	0	0	0	0	0	0							
RW004	9	13	0	0	0	0	0	0	0						poor recovery. Rounded greisen cobbles in mostly washed out dbn clay matrix	
RW004	13	14	0	0	0	0	0	0	0							
RW004	14	16.9	0	0	0	15	0	0	0		gt→am	mot dis pbl psm			qz-rich doZMRB relatively fresh but weathered to sand in places; mot sr-cc alt. + dis mt, conc. Into thin veinlets in places. Psm cc, pbl of gt→am(?) in sr-matrix, weakly developed at 16.1m--almost chicken wire-like. Minor zone of griesen cobbles 15.3-1	
RW004	16.9	19.8	0	0	0	0	0	0	0						qz-rich doZMRB almost completely reduced to qz-sand, except last 40cm of interval which = vuggy cohesive doZMRB	
RW004	19.8	21.3	0	0	0	0	0	0	0						peaty silt-clay w. trace siliceous gravels scattered through it	
RW004	21.3	39	0	0	0	0	0	0	0			dis		frc ftz	ftz? qz-rich doMRB mostly broken down to unconsolidated smg qz-sand (well sorted); fragemnts of leached but in tact vugy doZMRB; zones of mw doZMRB preserved ≤1.2m (alteration estimates for these zones) which have thin mt veinlets + trace dis mt	
RW004	39	40.6	2	0	0	2	0	0	0	cy 30, he 1		mot aci mzn dis		frc bkn ftz	ftz? difficult to interpret; px-alt? cy-alt. skarnoid? Highly frc/bkn but coherent zone from 39-39.4m = mot mixed sulfide mineralisation; very dense. Nonmagnetic silvery dgy sulfide/oxide? Bands of conc. Mas mt + dis mt. Minor mzn blobs of dull opaque, m	
RW004	40.6	41.9	1	0	0	1	0	0	0			mot		frc mcf ftz	mot cm+pk+bl-gn pxZHF? Difficult to interpret. Zones of alt-healed breccia. Blobs of gn-bn cl±bt alt. + am alt? Shear textures. Icg mica. Interval+AK227 fractured and contaminated.	
RW004	41.9	46	2	0	0	2	0	0	0	cy 20, lm 1, mi 25		mot lam		frc ftz	ifg pxZHF w/ sr veins + icg-ivfg mica; mica density increases in zones. Ex. Fractured, vuggy in places, some shear textures. Difficult to interpret.	
RW004	46	48.5	0	0	0	5	0	0	0	cy 10, mi 1		mot aci		frc bkn ftz	highly fractured vuggy doZMRB w/ flecs, spots and splashes of icg sr.	
RW004	48.5	51.9	0	0	0	1	0	0	0			mot bnd		frc bkn ftz	bands of vuggy and less vuggy qz-rich doZMRB. Contaminated and poor recovery	
RW004	51.9	54	0	50	0	1	0	0	0			rcz lam		frc bkn ftz	doZMRB? Recrystallized qz + qz-veined hard interval. V. fine laminae sheeted/sheared texture of gy qz + cm do(?) in ~ = %. Bn sr in veins/on fracture surfaces	
RW004	54	63	0	0	0	0	0	0	0					frc bkn ftz	poor recovery. Variably qz-rich vuggy doZMRB, weathered to sfg sand in places	
RW004	63	64.8	0.5	0	0	30	0	0	0	mi 2		mot		frc bkn ftz	cy-weathered doZMRB w/ extensive bl-gn sr + rd-bn icg mi veins; am-po veins in last 80cm ± trace icg bl-gn translucent mineral H-5, S=wt	
RW004	64.8	68.7	5	0	0	0	0	0	0			dis		frc ftz	btZHF? Softish pl-bn vfg interval with vfg dis sulfide and overall og-bn streak; altered scg discernable in places, appearing bedded. Nonmagnetic	
RW004	68.7	68.8	0	0	0	0	0	0	0					fit	XFG? Dgn clay interval between ex. Fractured btZHF(?) and coherent ccZMRB	
RW004	68.8	71.5	0	1	0	0.5	0	0	0			mot			qz-rich ccZMRB - much more effervescent than ZMARBs uphole	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
RW004	71.5	75	0	0		0.5		0	0			mot			ifg-img, mod effervescent marble; mot pgy-gy, qz-poor w/ numerous hairline fractures, veins, + blobs sr-cc-mt+soft bn vitreous mineral+mod hard bk mineral(tu?), <0.5% of each. lcg gn mica = sr?	
RW004	75	80.6	0	0		0		0	0	cy 50, lm 40		mot		slk	ex. Weathered soft og cy, crumbly where FeOH concentration higher; cy slk where FeOH conc. Lower; some cm-scale hard lm nodules; trace mica flakes preserved	
RW004	80.6	84.7	0	0		0		0	0	cy 90, lm 5		mot lam			bn+cm lam swelling cy at high ^TCA w/ pathcy preservation of orig. min textures + mica toward middle of interval; end dominated by cm cy; some relict vein/fracture surfaces preserved	
RW004	84.7	85	0	0		0		0	0	cy 95		mot			ex. Cy replacement of XFB w/ clastic texture preserved	
RW004	85	86	0	0		0		0	0	cy 95		mot			speckled cm cy replacemend grains in bn cy matrix w/ ifg mica preserved; minor cm-bn lam as described uphole	
RW004	86	87.7	0	0		0		0	0	cy 100		mot		slk	mot-streaked cm+og cy; cohesive swelling clay w/ numerous fractures weakly slk	
RW004	87.7	88.8	0	0		0		0	0	cy 90, lm 10		mot		slk	mot sickly pale gn-cm + og cy with scattered mm-scale lm nodules; cohesive but numerous slk fracture surfaces cause clay to fall apart upon handling; ~40cm weathered gossan at end of interval	
RW004	88.8	89.8	0	0		20		0	0	cy 70, lm 10		mot lam bnd			ex. Soft cy-alt. relict serpentine-rich + cy bands w/ ~30cm zone RGOS from 89.1m; serpentine rich bands weathered equivalent of next interval(?)	
RW004	89.8	97.8	1	0		30		0	0	cy 20		mot lam		frc ftz	sr overprinted pxZHF??; vuggy, shear textured w/ cm-scale blobs of po, sr & sr+cy alt; minor bands of pl healed breccia, numerous hairline veins of sr and cy; weathering increases downhole; some mt rich bands. NEED TO CHECK once tray 20 arrives in coreshe	
RW004	97.8	100.7	0	0		2		0	0	cy 95					ex. Clay altered version of previous interval	
RW004	100.7	104.5	0	0		0		0	0	cy 50, lm 30					mm-scale FeOH nodules; zone of relict mineral texture + preserved mica at start of interval, otherwise lm + cy altered; speckled cm+bn cy zone at end of interval	
RW004	104.5	109	0	0		0		0	0	cy 95, lm 1		mot			mot cm+yw cy w/ trace gy streaks = remnant primary mineral textures? Minor fine grained lm nodules	
RW004	109	117	0	0		0		0	0	cy 60, he 10, lm 30		aci			bn-og limonitic gossan with relict acc texture with horizons of gritty clays. Minor he-mt gossan bands.	
RW004	117	121	0	0		0		0	0	cy 80, lm 10		mot			waxy mottled bn-og-cm puggy clays	
RW004	121	131.6	0	0		0		0	0	cy 100		mot lam			ex. Clay alt w/ <1m zones of slightly different clay character--reflecting changes in parent lithology downhole? Bedding? Some horizons grainy--qz? Reflect SST and smooth horizons ST protolith? Lam gy-pale gn + speckled bn+cm zones	
RW004	131.6	142	0	0		0		0	0	cy 90, lm 10					intercalated bn lm dominated zones of weathered gossan and og cly; cm-scale lm nodules; some speckled bn-cm clay zones	
RW004	142	143.7	0	0		30		0	0	cy 30		mot		frc	weathered sr-rich interval; originally ccSS? Increasing mt downhole to mas mt w/ decreasing sr; zoned mottled alt. in places	
RW004	143.7	145.4	0	0		5		0	0	cy 50		mot dis			nonmagnetic streaky og-bk-bn with dis py; dense and cohesive bk-bn-dark gn streaks = sr-lm+bk-dgy soft powdery mineral w/ gy streak (il?); og streaks = lm+cy?. Not sure if this should be RCLY but don't know what else to call it	
RW004	145.4	158.5	0.5	0		1		0	0		am→bt bt→cl	grn dis			qz-rich granite with yw cy staining; some biotite alteration to gn chlorite; altered am in veins + minor dis sulfide	
RW004	158.5	165	0	0		0		0	0		bt→cl	grn			qz-rich granite, fspar partly cy-alt near veins + bt partly cl-alt.	
RW005	0	6	0	0		0		0	0							
RW005	6	6.1	0	0		0		0	0							
RW005	6.1	73.5	0.1	0		15		0	0	lm 0.1		mot rcz	lam-mdb		rounded alluvial cobbles of griesen and vuggy quartzite	
RW005	73.5	74.8	2	0		0		0	0	mi 2		mot lam dis		brc frc ftz	qz-rich doZMRB; vuggy toward end of interval. Dense sr-cc mot veins, some fingerprint-like; trac py+po; some veins of opavue wt-og mineral--sd? Minor 4cm band of mas mt at 64.1m. HQ-NQ at 20m.	
RW005	74.8	74.9	0	0		0		0	0					ftt	mot-lam pxZHF w/ dis img mi near start of interval. Alt. healed breccia in places; minor patchy weak magnetism	
RW005	74.9	78.2	2	0		0		0	0			mot lam rcz		frc brc ftz	XFG? Clay/w img-icg mi flakes + minor pebbles	
RW005	78.2	80.5	0	0		5		0	0			mot dis rcz		frc	alt. healed breccia gone to pxZHF. Tarnished sulfides; numerous microveinlets, some with hard opaque dun coloured mineral. 30cm zone ww doZMRB; fractured zone fragments look like SST	
RW005	80.5	84.9	0	10		15		0	0			mot			weakly fractured zones of alternating cm vuggy and relatively ffr gy-wt qz-rich doZMRB; dis mt + mot sr-cc veins and veinlets	
RW005	84.9	89.8	0	0		0.5		0	0	lm 15		mot bnd			qz-rich doZMRB mottled w/ mixed sr-cc veins; larger veins contain weakly brecciated fine grained qz-cc mixed aggregates(?) near their centers. Some bright gn + og cb.	
RW005	89.8	91.1	0	0		0.5		0	0			mot			qz-rich doZMRB fractured, bleached and vuggy; stained og by lm in bands	
RW005	91.1	92.1	0	0		10		0	0			mot			qz-rich doZMRB mot w/ zoned cb veins; wt cc rims and vibrant gn cores that are moderately reactive with HCL. Lbl colour in one vein also cb? + bk non-magnetic specks = mn-oxide?	
RW005	92.1	98.4	0	0		0		0	0			mot			qz-rich doZMRB minus the gn cb; one fracture surface covered with soft wt stars of radial needles = gypsum?	
RW005	98.4	110.5	0	0		15		0	0			mot rcz	tnb-mdb		bleached, vuggy qz-rich doZMRB; bn porous v. hard frc zone 97.3-98.1m	
RW005	110.5	111.3	1	0		15		0	0	mi 5		spt mot rcz			densely veined qz-rich doZMRB with minor zones rich in vibrant gn cb	
RW005															predominantly bt-alt. healed breccia. Soft, minor mot px-am-alt. but still highly calcareous. Some ivcg mi, particularly assoc. patch of ~4mm bt needles + sr rcz cb. Sugary rd-bn mineral but too soft to be cs. Nonmagnetic.	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
RW005	111.3	117.7	0	0		10		0	0			mot			veined + fingerprinted sr-cc + gn cb doZMRB. ~1% submetallic, H-6, bk streak + effervescent in HCL = pyrolusite? In sub-cm patches	
RW005	117.7	119	5	0		0		0	5			mot lam spt rcz dis hbr	lam	mcf	vein % difficult to determine partly alt-healed breccia. Lam+mot alt. following lam bedding. Minor rcz cc. dis + bands of po (magnetic), trace cl approx. am-cleavage am→cl?	
RW005	119	125.4	0	0		2		0	5 mi 0.5			lam mot spt dis hbr	lam	frc	lam-mot pxZHF w/ lam-dis-blobs po (non mag + magnetic). Spt soft gn in px = am→cl? ccSS spt w/ rcz cc. minor btZHF sp w/ dis py + frc zones + hbr	
RW005	125.4	127.6	0	0		1		0	1 he 0.5			lam mot hbr			pxZHF w/ zones of btZHF containing lam-bnd of mas mt + dis mt-bt-po and minor blobs he	
RW005	127.6	131.5	0	0		10		0	0.5		am→cl	mot rcz			ccSS mot w/ rcz cb + sr + cl. Zoned blobs of bt-cb cores + bk specks, sr rims + cc halos. Trace blobs of mas mt	
RW005	131.5	138.4	0	0		1		0	0			mot rcz lam			qz-rich ccSS on its way to ccZMRB. Bk non-mag specks. Rcz cb giving marble laminated appearance. Svfq/ivcg zones cm-pk	
RW005	138.4	140.1	0	0		0		0	0					frc	fractured interval of mostly cm-pk ivfg qz-rich doZMRB?	
RW005	140.1	146.3	0	0		0		0	0			mot rcz			ccdoZMRB w. mot veins rcz cc+ gn cb; trace non-mag bk specks	
RW005	146.3	151.9	0	0		1		0	0			mot			ex. Veined ccdoZMRB. H-6 gn mineral in veins = opal? Sr? Minor speckled wt+gn+rd-og minerals: wt=cb/cc, gn? Rd-og? All soft	
RW005	151.9	154.2	0	0		0		0	0			spt rcz	lam		grading ccdoZMRB - ccSS becoming spt w/ rcz cc	
RW005	154.2	155.2	0	0		10		0	3			mot spt bnd dis			patchy magnetism assoc. bands + zones of dis mas mt in cb matrix. Dis po, spt cm-gn alt. = cb+ cl? In ccSS	
RW005	155.2	157	0	0		10		0	2 mi 1			hbr mot lam rcz	lam	frc	first half of interval frc. Sr-alt pxZHF. Still fairly calcareous so ccSS protolith?	
RW005	157	158.7	0	0		1		0	0			dis	lam		weakly developed btZHF with dis po. Ye min in veins H-5, nonreactive with HCL....sd??	
RW005	158.7	161.8	0	0		1		0	0 lm 10	vo→mt		mot spt bnd aci		slk	speckled mottles + bands of s+p of aci mtsvo in cb(?) matrix. Cb=sd→lm?? Harder in places where og colour more pronounced	
RW005	161.8	162.5	0	0		0		0	0			aci spt spk			aci vo→mt with weak remaining s+p texture	
RW005	162.5	163.9	0	0		0		0	30 lm 0.5	sd→lm		aci spk			aci vo→mt. arbitrary ZXS designation based on >vo% than in other intervals	
RW005	163.9	166.1	10	0		50		0	0 lm 2	ol→sr sd→lm		mot pbl spk			soft dbl-gn interval. Spt w/ cb+cl and asp. Pbl sd? Vuggy in places. Conc. Bands cb/sd stain og w/ lm. Mod magnetic bands. Zones of minor cbmtZXS	
RW005	166.1	167.9	0	0		30		0	0 lm 2	sd→lm ol→sr		mot spk			cbmtZXS with >mt than cb but s+p texture intact. Soft bands of srZXS(?) Inc. last 20cm of interval. sd→lm	
RW006	167.9	193	0	0		0		0	0.5			grn			hairline bn-bk veins with aci bt + aci bk mineral H-5 = vo?	
RW006	0	14.6	0	0		0		0	0						0-14.6m; frc ZMRB	
RW006	14.6	18.4	0	0		0		0	0						14.6 - 18.4m; SST/ccSS w/ minor px ZHF bands and sr veining	
RW006	18.4	55.1	0	0		0		0	0						18.4 - 55.1m; ZMRB	
RW006	55.1	60	5	0		1		0	0			mzn mot lam dis		hbr frc		
RW006	60	63.6	5	0		5		1	0			cgl mot		frc	broken pxZHF with intervals of weakly alt ccSS. Strong mzn not // with bedding. Minor bands with conc po alt. minor cgl horizon. Vuggy weathered sx's.	
RW006	63.6	66.9	2	0		5		2	0			cgl mot ds	tnb-mdb	frc hbr	cgl interbedded with st-smg ss, with minor bands of ccSS w/ patchy bt-po and wt silky sr alteration, rare vitreous rd-bn gt and bn tab ve? Conc po alt in bands. Trace mt. cgl clasts <5cm.	
RW006	66.9	67.9	20	0		2		0	0			cgl mot			pxZHF interbedded with ccSS (alt by px-sr-gt and aci ve?). No pbl - spotted alteration. Fractured and healed with cl and py. Pk-rd gt blobs with px rims. Minor bands of intense po alt.	
RW006	67.9	69.8	5	2		0		0	0			cgl dis	tnb-mdb	frc	polymict cgl in a sfq matrix with st-ss interbeds. Strongly alt by bt and ifg dis po. Mt occurs d/s throughout and conc in veins. Trace sd?. Siliceous material stained rd by he.	
RW006	69.8	72	1	5		5		0	0			cgl rcz			minor pxZHF w/ ax-bt-am alt. mostly consists of ccSS with minor bt-sr alt. rounded bobs alt by sr-sx-bt with d gy rims.	
RW006	72	84.3	0	0		0		0	0						73.4 - 84.3m; 30cm hbr w. bt-px alt + ax? then gy ccZMRD, rcz cc and sr veins, some pk spotted bands = gt?	
RW006	84.3	106.2	0	0		0		0	0						84.3 - 106.2m; ZMARB mot patches of pk alt - he? with gn sr rims. Intense sr veining.	
RW006	106.2	109	0	0		0		0	0			rcz			106.2 - 109m; btZHF with po+he alt.	
RW006	109	135.4	0	0		0		0	0							
RW006	135.4	141.9	10	2		5		0	0			ms mot dis bnd		hbr	consists of grn ms mt, and mt w/ cb-bt-cl-px-sr and minor bk bands of conc bt and ZHF. Apy occurs as ifg d/s. pgn-cm px veins.	
RW006	141.9	145	0	0		0		0	0 tu 2, se 5	fp→tu fp→se		ppy			icg tu-cc veins at contact with above. Ppy qz-fp with ifg-img intestinal bt also occur poikilitically in fp. Tu veins with fp-alt to tu. Py-cc veins abundant.	
RW006	145	166	0	0		0		0	0		FG					
RW007	0	5.3	0	0		0		0	0						colluvium + alluvium consisting of rounded-subangular fg tu-qz greisen & vuggy qz-rich weathered doZMRB	
RW007	5.3	6.7	0	0		20		0	0			rcz			vuggy do-ccZMRB w/ sr min + veining. Some contamination-fg qz phenocryst sand-fallen down hole	
RW007	6.7	35.2	0	0		20		0	0			fqp rcz		slk	do marble w/ cc alt. w/ abundant sr veining & mineralisation. Mostly dgy-gn sr w/ strong cc halos; ol still visible as hairnet texture in sr veins? Some minor og-cm sr leathery-dis replacing subhedral min. Qz component 30%. Band of thick sr alt.	
RW007	35.2	41.8	0	0		30		0	1			fqp rcz			img rcz doZMRB with thick sr veins and diffuse patchy sr mineralisation. Hexagonal pbl- alt to cm leathery sr (at 38.0m) zoned finger print sr and cc. bk soft ifg ms-brittle dgy streak min vo?	

Appendix G: Drill Hole Logs

Hole	From metres	To metres	Pyrrhotite %	Quartz %	Scheelite %	Serpentine %	Siderite %	Vesuvianite %	Vonsenite %	Other alteration	Pseudomorphs	Texture	Bedding	Structures	Description	Comments
RW007	41.8	45	0.5	0		40		0	0			rcz fgp hrn	tnb-mdb		increased dgy sr vein thickness and density (do-alt to cc rims). Dis small clusters of sr min. minor dis po within sr and doZMRB. Variations in sr colour, dgy lgn and cm. crosscutting lgn sr-cc-cb vein- fractures easily along vein.	
RW007	45	63.8	0.1	0		20		0	0			rcz spt			tnb img doZMRB with minor bands of d gn sr w/ calcareous ZMRB. Dis sr and clusters of conc sr. rare po in sr patches.	
RW007	63.8	70	2	0		20		5	0			rcz dis fgp			rcz ccdZMRB with circular zoned sr-cc mineralisation. Dis po increasing dh. Pbl with fluffy rims-orbs. Ve? With interstitial cc 20cm band at 64.2m.	
RW007	70	71.8	5	0		10		2	0			mot mzn tab grn pbl			mot pxZHF with minor bands of srZXS and zones of lesser altered carbonate. Network of abundant sr± po veins. Sx's occur dis and in discontinuous veinlets. Grn py in veins. Thick gn sr vein (2cm) at boundary with below.	
RW007	71.8	73.9	5	0		20		0	0			mot spt dis bnd rcz			RCZ icg calcareous marble with abundant d gn sr alteration (dis, conc blobs and diffuse bands) in conc patches ol-sr hairnet texture visible. Icg needle pearly-flakey sr-mi.	
RW007	73.9	75	0	0		0		0	0						no recovery- karst	
RW007	75	77.7	2	0		15		2	0			mot spt		bkn	vuggy pxZHF rubble with relict doZMRB patches and sandy carbonate bands (partially altered). Py-dis and conc in spots discontinuous veins. Vuggy.	
RW007	77.7	80.1	1	0		20		0	0			mot			rcz doZMRB, calcareous where sr is abundant. Lgn and dgy-gn network of sr veins + diffuse mineralisation. Dis po and po-sr veinlets.	
RW007	80.1	83.8	2	0		10		3	0			cgl mot mzn grn			banded pxZHF with minor bands of srZXS and bt-cbZXS. Grn patches of gt in a groundmass of am-sr-cb. Interstitial voids filled with icg cc±ve. Network of sr-py veins. Cgl bands- rounded clasts up to 3cm.	
RW007	83.8	89.5	5	0		20		1	0			cgl spt mot			rcz sandy carbonate w/ cgl bands, minor patchy weak alt to pxZHF. Strong dis d gy-gn sr alteration // to bedding. At 84.5m mylonite like fabric produce by alteration gives conglomerate appearance, clasts have gn-pk sr cores. Dis po. In pxZHF angular blobs	
RW007	89.5	93.8	3	0		10		5	0			mot bnd spk tab grn pbl			pxZHF with minor bands of intensely sr altered ccZMRB with abundant sr veining. Minor cgl bands. pxZHF has blobs/clats alt w/ conc po sr am and ve. Interstitial voids containing icg cc. cc concentrated in zones with a high density of sr veins	
RW007	93.8	96.2	5	0		15		5	0			pbl bnd			lgy-gn pxZHF with patchy alt to btZHF weakly developed btZXS? Minor ve-cb ZXS. D gn perly icg sr patchese. Thick sr-cc veins. Dissolution textures. Ifg dis po. Tab ve-cc in interstitial voids.	
RW007	96.2	121.6	0	0		0		0	0						gn-gy sr veining, ol hairnet texture	
RW007	121.6	123.8	2	2		10		5	0		gt→ve	mot tab grn bnd			mot moderatley px altered carbonate (more intense px alt zones). With bands of granular patchy mineralised img gt in a cc-am-px-sr groundmass. Gt→ve, ve can be icg tab in cc matrix- associated with cc in interstitial voids.	
RW007	123.8	127.3	3	0		20		2	0			cgl mzn dis			RCZ sandy carbonate with cgl horizons (alt texture?) strong dgy gn sr alteration with interbands of weakly developed pxZHF. Interstitial voids infilled with cc±ve±gt±sr.	
RW007	127.3	128.7	5	0		5		0	0			cgl mot bnd dis	tnb-mdb-		btZHF- clastic with bands of conglomerate. Lesser interbands of pl-gy pxZHF and minor rcz ccZMRB. Dis ifg po, ifg grn mt concentrated in thin bands at 128m.	
RW007	128.7	132	1	0		20		0	0			cgl dis bnd	tnb-mdb-		ccZMRB with abundant dis, interbeds of 1. pelitic conglomerate and scg ss 2. pelitic clasts in a carbonate matrix. lgn dgn rd-bn sr. interstitial voids infilled with cc±gt±sr	
RW007	132	140	0	0		0		0	0							
RW007	140	142	0	0		0		0	0						karst w/ sandy clay infill	
RW007	142	148.3	0	0		0		0	0 mn						pgn sr veins in ZMRB, minor og-streak min H-5? Trace mn oxides + tu	
RW007	148.3	149.1	0	0		0		0	0						sr-rich ccZMRB	
RW007	149.1	152	0	0		0		0	0							
RW007	152	154	0	0		0		0	0					frc ftz	extensively veined intermingled ccZMRB (+do?) and pxZHF. Minor bt + trace blood red streaks (gt?), pk ifg gt and patches of ifg ax in pxZHF. Icg mi = sr? trace py in veins	
RW007	154	156.7	1	0		10		0	0			dis bnd mot cgl		frc	st-scg pelite with cgl horizons strongly altered by bt. Minor bands of px-ax alteration. Patches and bands of ms sr. ifg dis po. Variable fracturing intensely fractured at 155.5m	
RW007	156.7	160.4	5	0		5		2	1 40 pl?			spk tab grn bnd			speckled gy-wt-gn pl-mt ZXS with lesser sr and cl in groundmass and conc bands. pl rhombs in a lgn ground mass with grn mt. l gn ep? Px?	
RW007	160.6	170	0	0		0		0	0						ifg qz rich cooling margin, with sr-py veins. Ppy qz-fp in a groundmass of bt-qz-fp. Variable grainsize dykes.	

Appendix H

Resource & Scoping Announcements



VENTURE
MINERALS

Major Tin/Tungsten Resource Upgrade Mt Lindsay Project - Tasmania

ASX Announcement
Tuesday, 23 March 2010
Ref: /VMS/606/VMS00207

Australian mineral exploration company, Venture Minerals Limited (**ASX code: VMS**), announces a substantial upgrade in the combined tin/tungsten resources at the Company's flagship Mt Lindsay Deposit in North-West Tasmania.

- New estimate defines combined inferred resources of:

Sn Equiv cut-off	Tonnes	Tin (Sn) Equivalent Grade	Tin (Sn) Grade	Tungsten Trioxide (WO ₃) Grade
0.20%	36Mt	0.40%	0.20%	0.09%
0.45%	7.1Mt	0.81%	0.42%	0.29%

Refer to Appendix One and Two for full details

- Combined resources include a standalone tungsten resource of:

WO ₃ cut-off	Tonnes	Tungsten Trioxide (WO ₃) Equivalent Grade	Tungsten Trioxide (WO ₃) Grade	Tin (Sn) Grade
0.15%	5.0Mt	0.78%	0.40%	0.26%

Refer to Appendix One and Two for full details

- Resources at Mt Lindsay now contain over **100,000 tonnes of tin/tungsten metal**.
- Mt Lindsay combined **resource grade is world-class at 0.81% tin equivalent** (0.45% cut off) compared to the worldwide average for both tin and tungsten deposits of 0.4%.
- Resource amendable to open pit mining:
 - 75% of combined resources occur within the top 200m
 - 93% of tungsten resources occur within the top 200m
- Combined resources at Mt Lindsay extend over a total strike of 2.6kms with a **further 34 strike kilometres of skarn targets still to be explored**.
- **Three drill rigs at site indefinitely** exploring multiple skarn targets.
- Updated scoping study scheduled for completion in April in preparation for the commencement of a pre-feasibility study.

Tin

Fast Facts

- Tin LME price \$US17,000 or approx. 2.5 times the price of copper
- The average grade of large hard rock deposits worldwide - 0.4% Sn
- China is the world's largest producer and consumer of Tin
- China has new 10% export tax on Tin
- China is a net importer ("Protect Resources Policy")
- Rare Metal - Tin is 30 times rarer than Copper

Tungsten

Fast Facts

- Current contract price equates to US\$17,000 per tonne or approx. 2.5 times the price of copper
- Average grade of major worldwide deposits - 0.4% WO₃
- China controls greater than 75% of world production
- China prohibits the export of tungsten concentrate
- Strategic metal: military applications
- Rare metal: 50 times rarer than copper
- Unique metal: physical properties limit substitution

Following the discovery of significant high grade tin and tungsten zones in recent months, the Company has dramatically increased the metal within the resource base, resulting in over 100,000 tonnes of tin/tungsten metal being defined at Mt Lindsay.

The new estimate includes a tungsten resource of 3.5mt grading at 0.80% WO₃ equivalent (0.49% WO₃). The grade of the tungsten alone at 0.49% competes on a world scale with the average grade of major tungsten deposits equating to 0.4% WO₃, however when both tin and magnetite co-products are considered a grade of 0.80% WO₃ equivalent (Refer to calculations in Appendix One) is achieved, which is double that of the worldwide tungsten deposits.

Likewise the combined resource of 7.1mt @ 0.81% tin equivalent (0.4% tin) compares very favourably with worldwide tin deposits, with the tin grade alone equating to the average grade of major deposits, however once the tungsten and magnetite co-products are considered a grade of 0.81% tin equivalent is achieved which again is double that of the worldwide tin deposits.

The new resource estimate further emphasises the shallow nature of both the tin and tungsten mineralisation with 75% of the combined resource occurring in the top 200m and 93% of the tungsten resources occurring in the top 200m. With tin and tungsten mineralisation coming to surface in the Main Skarn and coming very close to surface within the No.2 Skarn, the Company believes the Mt Lindsay Deposit will be very amenable to open pit mining.

Venture's aggressive approach to exploration will continue with three diamond core rigs to remain on site indefinitely. Drilling will be testing multiple skarn targets at Mt Lindsay, Reward, Stanley River South and Rocky River South.

With the completion of the resource estimation the Company will now focus on updating the scoping study in preparation for the commencement of a pre-feasibility study. The scoping study update is scheduled for late April.

This announcement effectively lifts the trading halt that the Company requested on Monday 22 March 2010. The Company is not aware of any reason why the ASX would not allow trading to recommence immediately.

Kind regards

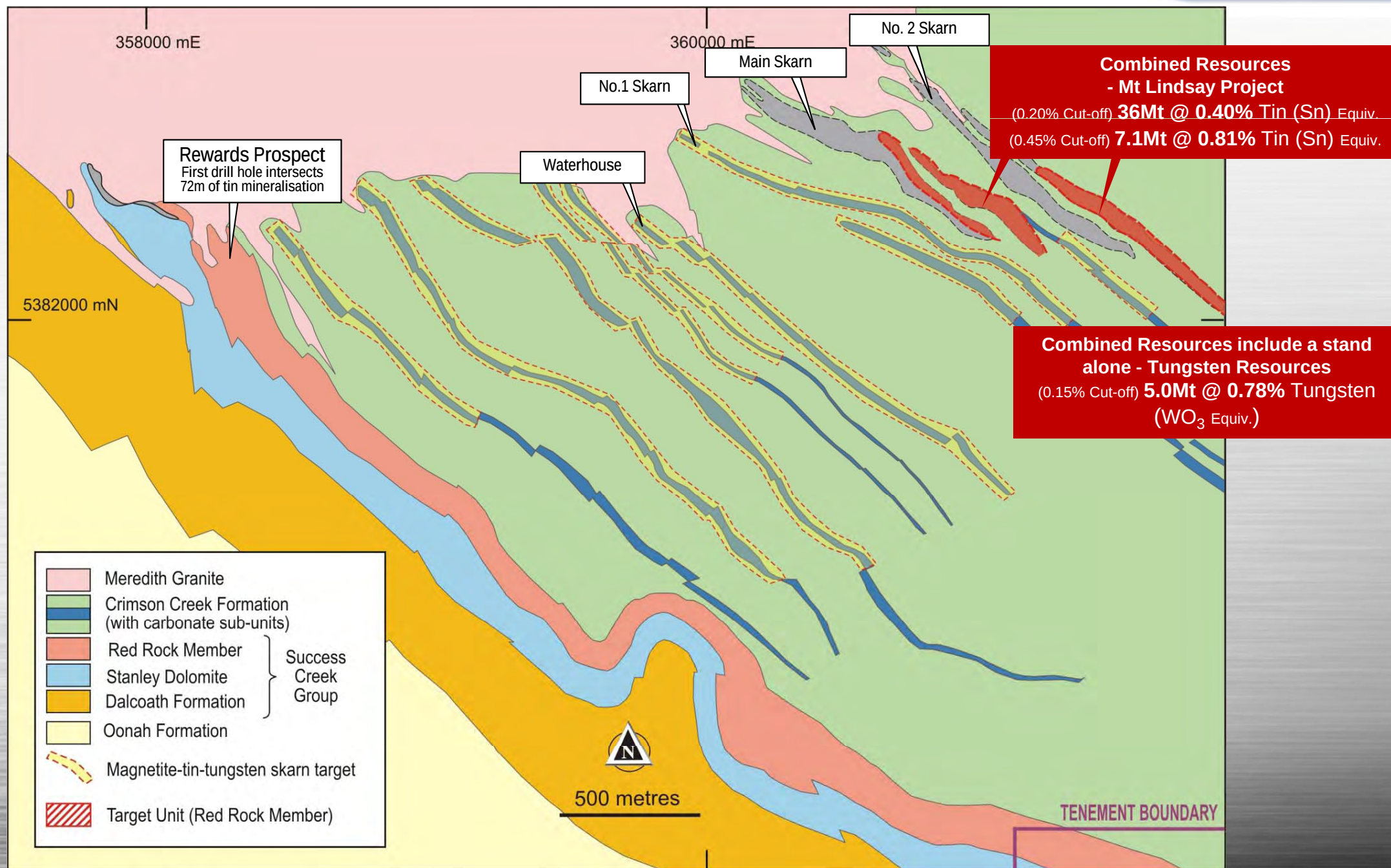
Venture Minerals Limited



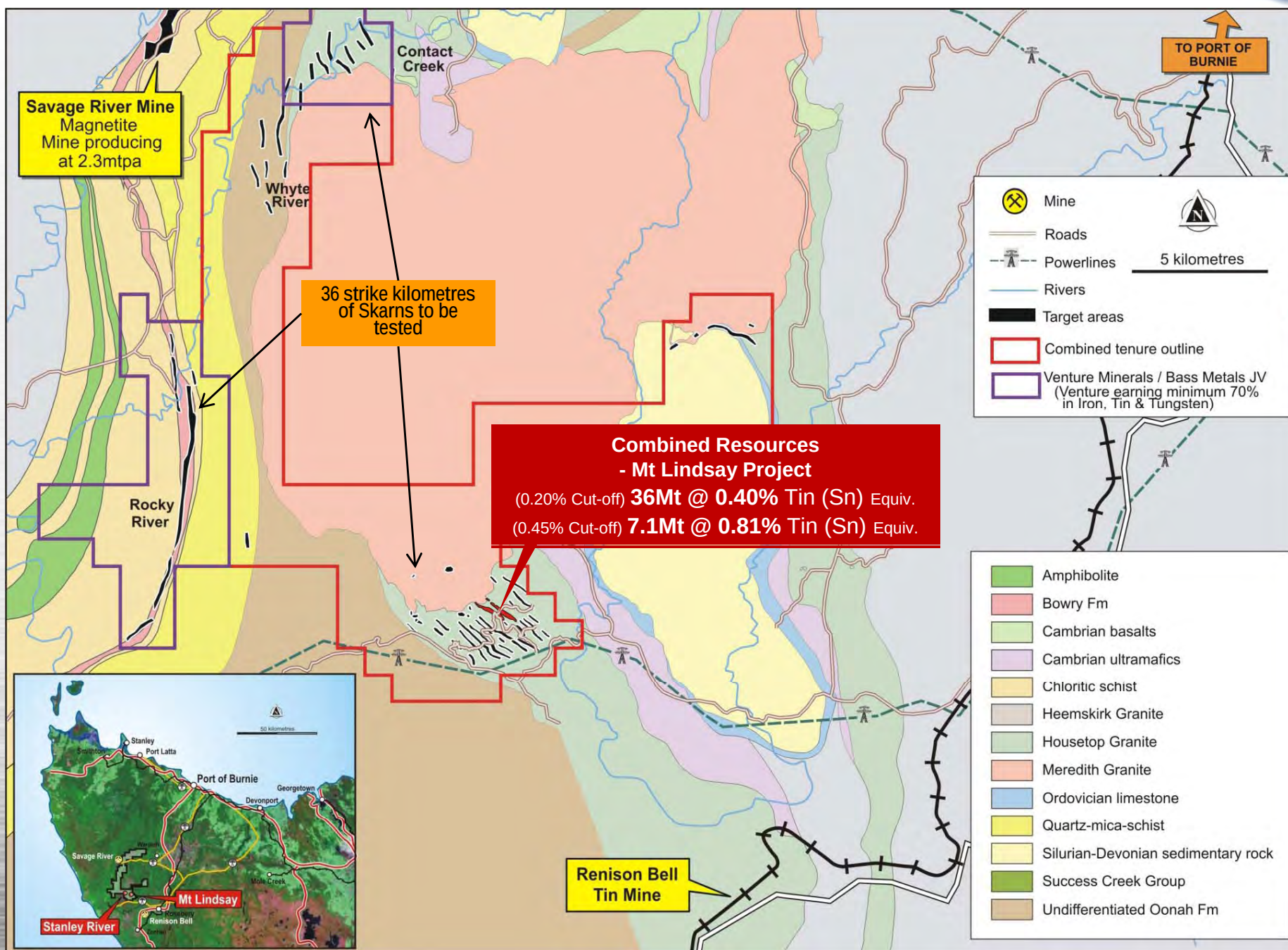
Hamish Halliday
Managing Director

The information in this report that relates to Exploration Results, Exploration Targets, Mineral Resources or Ore Reserves is based on information compiled by Mr Andrew Radonjic, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Andrew Radonjic is a full-time employee of the company. Mr Andrew Radonjic has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Andrew Radonjic consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Priority Exploration Targets



Regional Exploration Targets



APPENDIX One:

Tin-Tungsten Resources

Tin Equiv cut-off	Resource Category	Tonnes	Tin (Sn) Equivalent Grade	Tin (Sn) Grade	Tungsten Trioxide (WO ₃) Grade	Weight Recovery of Magnetic Iron (Fe) Grade	Contained Tin	Contained Tungsten Trioxide
0.20%	Inferred	36Mt	0.40%	0.20%	0.09%	20%	71,000t	34,000t
0.35%	Inferred	13Mt	0.61%	0.32%	0.19%	21%	42,000t	25,000t
0.45%	Inferred	7.1Mt	0.81%	0.42%	0.29%	19%	30,000t	20,000t

Note: Reporting to two significant figures as per the JORC code. Full details of estimate are in Appendix Two.

Note:

- The Sn equivalent formula used to calculate the Sn equivalent values is as follows: Sn Equivalent (%) = Sn% + WO₃% + (weight recovery % of magnetic Fe x 0.005294).
- The weight recovery of the magnetic iron is determined mostly by Davis Tube Results ("DTR"). Full details are in Appendix One.
- This formula uses a tin metal price of US\$17,000/t, a minimum 65% WO₃ concentrate price of US\$170/mtu (1mtu =10kgs of WO₃) and an iron price of US\$90/t.
- The metallurgical recovery for tin is 67%, for WO₃ is 90% and for iron in the form of magnetite is 90%. The tin and WO₃ values are from metallurgical testwork results as stated in the ASX announcement of April 28 2009. The iron value was from part of the metallurgical testwork from which results were stated in the ASX announcement of February 7 2008.
- It is the Company's opinion that the tin, WO₃ and iron in the form of magnetite as included in the metal equivalent calculations have a reasonable potential to be recovered when the Mt Lindsay Project goes into production.

Tungsten Resources

WO ₃ cut-off	Resource Category	Tonnes	Tungsten Trioxide (WO ₃) Equivalent Grade	Tungsten Trioxide (WO ₃) Grade	Tin (Sn) Grade	Weight Recovery of Magnetic Iron (Fe) Grade	Contained Tungsten Trioxide
0.10%	Inferred	8.6Mt	0.64%	0.28%	0.26%	19%	24,000t
0.15%	Inferred	5.0Mt	0.78%	0.40%	0.26%	22%	20,000t
0.20%	Inferred	3.5Mt	0.80%	0.49%	0.18%	25%	18,000t

Note: Reporting to two significant figures as per the JORC code. Full details of estimate are in Appendix Two.

Note:

- The WO₃ equivalent formula used to calculate the WO₃ equivalent values is as follows: WO₃ Equivalent (%) = WO₃% + Sn% + (weight recovery % of magnetic Fe x 0.005294).
- The weight recovery of the magnetic iron is determined mostly by Davis Tube Results ("DTR"). Full details are in Appendix One.
- This formula uses the minimum 65% WO₃ concentrate price of US\$170/mtu (1mtu =10kgs of WO₃), a tin metal price of US\$17,000/t and an iron price of US\$90/t.
- The metallurgical recovery for WO₃ is 90%, for tin is 67% and for iron in the form of magnetite is 90%. The WO₃ and tin values are from metallurgical testwork results as stated in the ASX announcement of April 28 2009. The iron value was from part of the metallurgical testwork from which results were stated in the ASX announcement of February 7 2008.
- It is the Company's opinion that the WO₃, tin and iron in the form of magnetite as included in the metal equivalent calculations have a reasonable potential to be recovered when the Mt Lindsay Project goes into production.

APPENDIX Two:

Resource Estimation Parameters

- The Resources have been allocated entirely to the Inferred category and are reported above the 0.1%Sn equivalent grade and 0.15%WO₃ grade cut-offs with no top cut applied.
- The reported grades and tonnages are rounded to two significant figures in accordance with recommendations of the JORC code.
- This Resource estimation covers approximately 1,300 m strike extent of the Main Skarn and 1,300 m strike extent of the No. 2 Skarn. Both skarns are near vertical tabular bodies with local off-sets by late-stage faulting.
- Some 123 diamond core drill holes for a total of 26,574 m were used to define the mineralised skarns for this Resource estimate. Of this drilling some 67 holes for 13,421 m pierced the Main Skarn and 57 holes for 14,095 m pierced the No.2 Skarn (note that some holes pierced both skarns). Of the total 123 drill holes used for the current Resource estimation some 38 holes for 7,550 m core of mainly BQ size (36.5mm diameter) were drilled by the previous owners Aberfoyle Tin Development Partnership and Renison Limited; the other 85 drill holes for 19,024 m were drilled by Venture Minerals Limited with most of the core being NQ size (47.6mm diameter).
- Petrography indicates the widespread occurrence of cassiterite (the saleable oxide of tin) in both the Main Skarn and the No.2 Skarn. Logging with an ultraviolet lamp and petrography indicates the main tungsten mineral is scheelite.
- Preliminary metallurgical testwork has been completed on tin rich material from the Main Skarn under the supervision of Esker Milling and Processing Pty Ltd. A representative composite sample was selected from eleven Venture holes drilled into the Main Skarn. The samples had intersected low soluble tin mineralisation, which most likely represents the presence of cassiterite. Through a series of tests involving magnetic separation, sulphide flotation and gravity separation, results at a 212µm grind suggest that currently available conventional and commercial processing techniques could achieve at least 65% to 75% tin recovery to a +50% tin concentrate.
- Preliminary metallurgical testwork has been completed on tungsten rich material from the No.2 Skarn under the supervision of Esker Milling and Processing Pty Ltd. A representative composite sample was collected from ten Venture holes drilled into the No.2 Skarn. The samples had previously undergone magnetic separation at a range of grind sizes. The non-magnetic fraction was selected from two grind sizes, 1180µm and 150µm, for gravity separation. Results revealed that up to 90% of the tungsten trioxide could be recovered via gravity separation. Another representative composite sample was collected from two Venture holes drilled into the No.2 Skarn. The samples were grinded to 80% passing 150µm then subjected to sulphide flotation and magnetic separation before being super-panned. Results revealed that a concentrate assaying 69% WO₃ could be produced. A further representative composite sample was collected from five Venture holes drilled into the No.2 Skarn. The samples were grinded to 70% passing 74µm, subjected to sulphide flotation, magnetic separation, scheelite roughing and scheelite cleaning of the rougher concentrate. The flotation testwork delivered a concentrate assaying 69% WO₃ obtained with a recovery of 85%. This is a sighter sample and the company expects to increase the recovery with further testwork.
- Three rounds of preliminary metallurgical testwork have been completed for the No.2 Skarn under the supervision of ProMet Engineers, using composite samples from 4 historic drill holes in two of the rounds and from 10 Venture Minerals Limited drill holes in the third round. The work included Davis Tube Sighter tests, Standard Davis Tube Recovery tests, Optimum Grind Testwork and Bond Work Index Determination. The results of the testwork gave positive indications that magnetic iron in the form of magnetite within the stated resources of both the Main Skarn and the No.2 Skarn could produce a saleable iron product.
- Approximately 75% of the Sn equivalent resource estimate is within 200m of surface.
- Approximately 93% of the WO₃ resource estimate is within 200m of surface.
- Drill hole density in the Main Skarn ranges from approximately 30m by 30m to a maximum of c. 150m, and the No.2 Skarn from approximately 40m by 40m to a maximum of c. 200m. Overall drill hole spacing for both skarns is very approximately 80m by 80m.
- Some of the previous owners' drill core from both the Main Skarn and No.2 Skarn is still available and where possible re-sampled in 6 feet or 2m intervals as appropriate by Venture Minerals Limited and assayed for a broader suite of elements including tin, tungsten and iron. The remaining core was ¼ core sampled with core saw, or in cases where only quarter core was available the entire remaining core was sampled.
- The Venture Minerals Limited drill core (NQ) was sampled by core saw in a continuous and volumetrically consistent basis in 2m intervals across the mineralised skarns.
- Documentation on the analytical techniques used by the previous owners was unavailable. Original assays from 28 of the previous owners' holes were used in the resource estimate. The Venture Minerals Limited drill core samples were submitted to ALS Chemex (quality system complies with international standards ISO 9001:2000 and ISO 17025:2005) and SGS Renison for crushing, pulverising and assaying. Approximately 8% of Venture Minerals Limited's assays used for the resource estimation were done by multi-acid digest with an ICP-MS and ICP-AES finish, whilst the remaining 92% of assays were done by the XRF.
- There was no QC information available on the assays from the previous owners' drilling. Venture Minerals Limited's QAQC samples included standards and field duplicates which were submitted with each drill hole. The QC data is considered adequate for the current resource estimate.
- All diamond drill core was geologically and structurally logged (the latter on orientated core).
- The densities used in the resource estimation were based on 1,888 specific gravity measurements made on the diamond core at one metre intervals through the mineralised skarns. Weathered materials which account for only 2% of the Sn equivalent resource estimate and <1% of the WO₃ resource estimate, were assigned to a separate domain with an average density 1.8. Fresh rock density was interpolated to the block model using the same technique as for grade estimation. The mean density for the Main Skarn was 3.48 t/m³, and for the No. 2 Skarn 3.64 t/m³.
- Drill hole collar positions for the previous owners' drilling were transformed to the MGA grid after several of the holes were relocated and surveyed. Of Venture Minerals Limited's 85 drill hole collars some 35 were surveyed in the MGA Zone 55 GDA94 grid and datum by licensed surveyors using a combination of differential GPS and total station survey systems, 13 collars were surveyed by company personnel using differential GPS, and the remaining 37 collars were surveyed using handheld GPS.

- Some 39% of the previous owners drill holes were surveyed by with a down hole camera, for which all plunge measurements and some azimuth measurements were accepted. All of Venture Minerals Limited's drill holes were surveyed with conventional magnetic instruments and, as for previous explorer data, all plunge and selected azimuth data was accepted. Some 41% of Venture Minerals Limited's drill holes were also surveyed by north-seeking gyroinclinometer tool by independent contractor Northern Exploration Pty Ltd, with approximately 30% achieving full depth and another 60% receiving collar orientations only.
- Six mineralisation wireframes divided into 10 geometrically different domains representing the Main Skarn (2 wireframes, 3 domains) and No.2 Skarn (4 wireframes, 7 domains) were constructed from geological cross section interpretation for this Resource estimate. The wireframes were filled with blocks of 25m x 10m x 25m xyz dimensions with 10m sub-blocking. The tin, tungsten trioxide, and iron grades were then interpolated to the blocks using the Inverse Distance Squared method, with an initial 50x50x10m search ellipse oriented parallel to the strike and dip of the mineralised skarn followed by progressively more relaxed searches until all blocks were assigned a tin, tungsten trioxide, and iron grade. Four sectors were used for each search ellipse with a maximum of 4 points per sector, and a minimum of 3 points per sector for the first two searches followed by a minimum of 1 point per sector for subsequent searches.
- The weight (or mass) recovery ("MR") of the iron was determined by Davis Tube Recovery tests ("DTR") for 57% of the composited assay intervals used for the estimation. MR for the remaining assay intervals was calculated by regression of the magnetic susceptibility (30% of assay composites) or iron grade (2% of assay composites). It was not possible to regress MR data for approx. 12% of the assay composite intervals (historic drill holes without Fe grade or magnetic susceptibility data). MR was interpolated to the block model using the same technique as for grade estimation.



VENTURE
MINERALS

New Scoping Study increases margin per tonne by 300% Mt Lindsay Project - Tasmania

ASX Announcement
Friday, 14 May 2010
Ref: VMS/606/VMS00218

A new scoping study by Australian mineral exploration company, Venture Minerals Limited (**ASX code: VMS**), for the Company's Mt Lindsay Tin/Tungsten Project in North-West Tasmania, has confirmed a **very robust and de-risked project, with a high margin per tonne and an excellent internal rate of return.**

The new study has found that mining margins per tonne could increase by 300% to \$80 per tonne, following the Company's latest resource estimate which includes the recently discovered high grade tin and tungsten zones at Mt Lindsay. The scoping study assumes a one (1) million tonne per annum operation, focussed on the high grade zones within the Main and No.2 Skarns.

Scoping Study highlights include:

- **Margin per tonne increased by 300% to \$80 per tonne**
- **Capital expenditure cut in half to \$130 million**
- **Study delivers an internal rate of return of 55% (50% equity, 50% debt)**
- **Net cash per annum at full production - \$80 million**
- **Study suggest greater than seven years mine life**
- **Tin production estimated to be in the lowest cost quartile for current tin producers**

** Please note all figures are quoted pre-tax*

The delivery of such a robust scoping study is the result of a series of exploration successes over the past 12 months, and compares very favourably to a previous scoping study released by the Company in June 2009. **The discovery of broad, near surface, high grade tin and tungsten mineralization, within both the Main and No.2 Skarns, has dramatically changed the profile of the project, allowing the Company to focus on a high grade, high margin mining operation.**

Tin

Fast Facts

- Tin LME price
\$US18,000 or approx.
2.5 times the price of copper
- The average grade of large hard rock deposits worldwide - 0.4% Sn
- China is the world's largest producer and consumer of Tin
- China has new 10% export tax on Tin
- China is a net importer ("Protect Resources Policy")
- Rare Metal - Tin is 30 times rarer than Copper

Tungsten

Fast Facts

- Current contract price equates to US\$17,000 per tonne or approx.
2.5 times the price of copper
- Average grade of major worldwide deposits - 0.4% WO₃
- China controls greater than 75% of world production
- China prohibits the export of tungsten concentrate
- Strategic metal: military applications
- Rare metal: 50 times rarer than copper
- Unique metal: physical properties limit substitution

The new study reveals the main driver for the project is now tin and tungsten with magnetite contributing less than 25% of the revenue. With three commodities delivering revenue to the project, **the Company will be one of the lowest cost producers in the tin and tungsten industry**, as well as being protected from individual commodity price risk.

Venture Minerals considers the new study to be a **major milestone for the Company**, clearly demonstrating the long term economic potential of the Mt Lindsay Project.

Commencement of Pre-Feasibility

With the successful completion of the scoping study the Company will now commence a pre-feasibility study on the Mt Lindsay Project. The study will include infill drilling on the Main and No 2 Skarns to increase the resource category to indicated, as well as additional work involving metallurgical, geotechnical, environmental, mining, ore processing and transport studies.

On-going Exploration

In addition to the Pre-feasibility study, the Company will maintain an aggressive approach to exploration with multiple drill rigs targeting:

- **Reward Prospect**
- **Stanley River South**
- **High Priority Parallel Targets**
- **Regional Targets**

List of Assumptions for Independent Scoping Study

Commodity Prices

The Iron price is based on the recently settled BHP Billiton contract iron fines price for the June 2010 quarter minus 10%, which for a 69% Fe product equates to US\$120 per tonne of magnetite concentrate. The Tin price is based on a 15% discount to the price forecast to 2013 by an international tin organisation, which equates to US\$18,000/t. The WO₃ concentrate price is based on a 20% discount to the price forecast to 2013 by an international and independent research group, which equates to US\$170/mtu.

Exchange Rate

A constant exchange rate of USD/AUD = \$0.80 has been used as a long term price.

Recoveries

An overall Tin recovery after using gravity and flotation processing techniques of 71% was used. An overall Tungsten Trioxide (WO₃) recovery after using gravity processing techniques of 80% was used in the study. Refer to ASX announcements by the company on 28 April 2009 and 9 March 2010.

Throughput

A 1.0Mtpa processing plant was designed by ProMet Engineers Pty Ltd in conjunction with Esker Milling and Processing Pty Ltd and was based on recent metallurgical test results for tin, tungsten and magnetite.

Smelter Discount

A discount of 10% was used for the high grade tin concentrate produced by gravity and a discount of 20% was used for the low grade tin concentrate produced by flotation.

Strip Ratio

The pit selected from the pit optimisation studies completed by Richard Flanagan Mining Consultancy Pty Ltd had a waste to ore strip ratio of 7.7 to 1.

Costs

All operating and capital costs were estimated as part of the overall cost and revenue model developed by ProMet Engineers Pty Ltd.

Tax

All scoping study results, including net cash and internal rate of return, represent pre-tax figures.

This announcement effectively lifts the trading halt that the Company requested on Wednesday 12 May 2010. The Company is not aware of any reason why the ASX would not allow trading to recommence immediately.

Kind regards

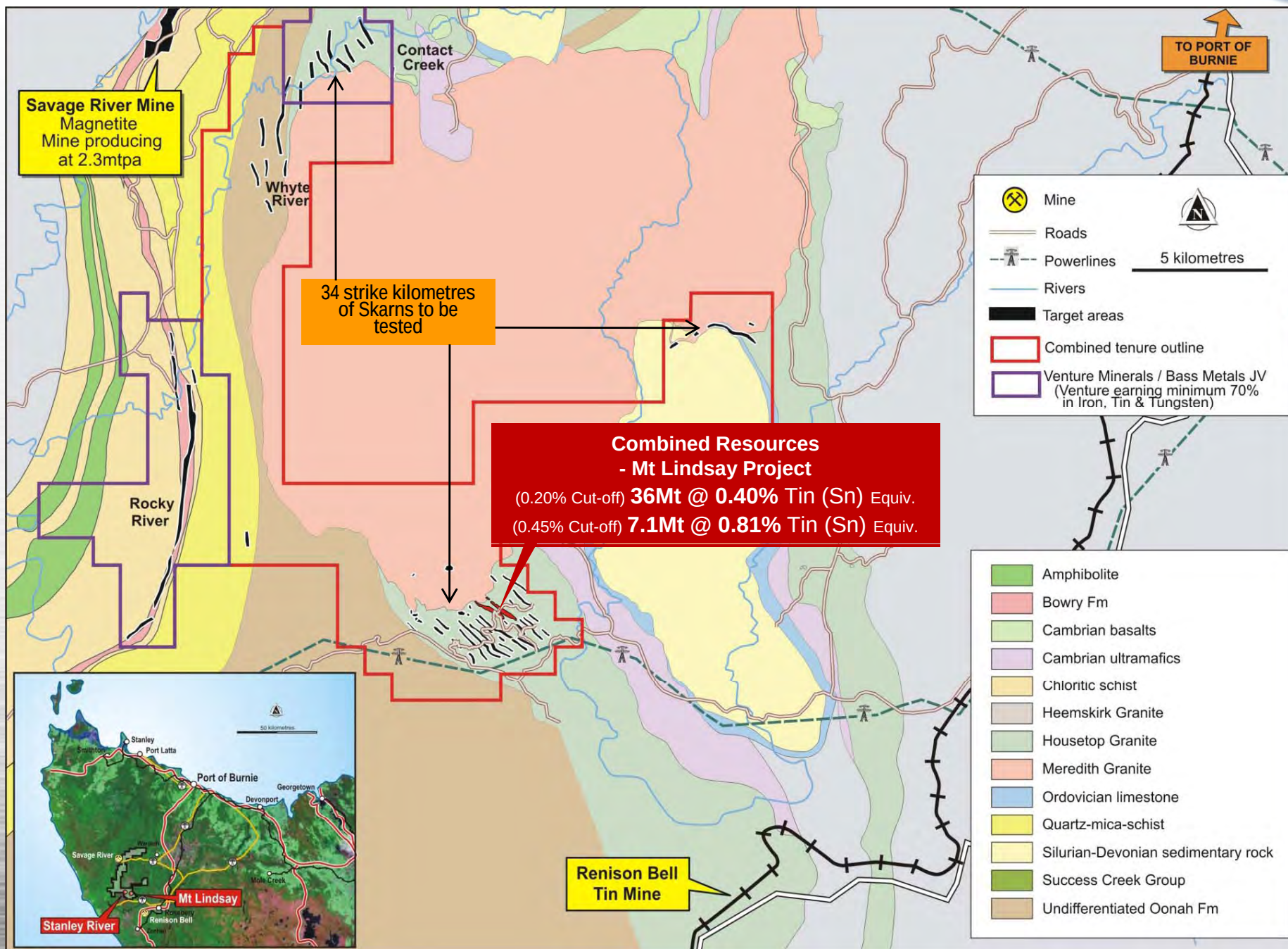
Venture Minerals Limited



Hamish Halliday
Managing Director

The information in this report that relates to Exploration Results, Exploration Targets, Mineral Resources or Ore Reserves is based on information compiled by Mr Andrew Radonjic, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Andrew Radonjic is a full-time employee of the company. Mr Andrew Radonjic has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Andrew Radonjic consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Regional Exploration Targets



Appendix I

Flora and Fauna Survey Reports

LIVINGSTONE PROSPECT
LIVINGSTONE CREEK EXTENDED DRILLING PROGRAM
BOTANICAL SURVEY
FOR VENTURE MINERALS LTD
Amended Report 15th January 2010



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A.B.N. No.32 068 906 258

1. Introduction:

Venture Minerals Ltd is proposing to extend their exploratory drilling program within the Livingstone Creek Prospect which will involve ten drill sites in the vicinity of Livingstone Creek itself. The work program will include the clearing of a drill pad at each site and the construction of a vehicular access track for the access of equipment and personnel. A botanical survey is required as part of the MRT license conditions to determine any likely impacts on the vegetation, on threatened species or threatened vegetation communities within the target area.

2. Objectives:

The objectives of this survey were to;

- Undertake a desktop survey to confirm the known biological records and the natural values which may be present in the exploration target area or in the vicinity.
- Undertake a field survey of the exploration target areas to observe and record the natural values present, including the vegetation types and plant communities, the flora and in particular any threatened species.
- Determine the possible impacts of the proposed exploration program on the natural values present and make recommendations on how those impacts can be minimized.

3. Location of Study Area:

The proposed drill sites are located on the floor of the valley adjacent to and to the immediate north of Livingstone Creek at the following coordinates. The exception is D1 which is located on the southern side of the creek. Datum GDA94 MGA Zone 55.

Drill Site C1 & C2 357349E – 5382716N

Drill Site D1 & D2 357434E – 5382654N

Drill Site E1 & E2 357502E – 5382571N

Drill Site F1 & F2 357597E – 5382532N

Drill site G1 & G2 357689E – 5382491N

A new vehicular track is to be constructed from the end of the existing access road to link each drill pad to provide access for equipment and personnel.



4. Site Description:

The exploration target area is located to the west of the Stanley River and to the west of Mt Lindsay within the Meridith Range Regional Reserve. The target area is located on the valley floor and close to Livingstone Creek, a tributary of the Stanley River. The area is generally low lying and poorly drained.

5. Desktop Survey of Natural Values:

The DPIPW database “The Natural Values Atlas” was accessed for the known biological records of the locality and environs. Records of threatened species known to occur within a 5,000 metre radius of the location were also accessed. Data sourced included the vegetation types and plant communities, the occurrence of any threatened vegetation communities, the locations of any threatened species of plants and threatened fauna known or expected to occur in the vicinity.

6. Desktop Survey Results:**VEGETATION COMMUNITIES:**

The following vegetation communities are mapped in accordance with the TasVeg vegetation mapping program as occurring within a 1,000 metre radius of the study area.

VEGETATION COMMUNITY	TasVeg Code	Map Colour	EXTENT WITHIN 1,000 metres
Buttongrass Moorland (undifferentiated)	MBU		Extensive in the centre and south-west of the study area
Western Wet Scrub	SWW		Scattered occurrences in the north and west of the study area.
<i>Leptospermum</i> Scrub	SLW		Two small areas to the north-west and one to the south-west.
<i>Nothofagus</i> / <i>Phyllocladus</i> Short Rainforest	RMU (RMS)		Widespread in the study area.
<i>Lagarostrobos franklinii</i> Rainforest & Scrub	RHP		Along the Stanley River and the lower reaches of creeks which flow into the river.
<i>Eucalyptus nitida</i> Wet Forest (undifferentiated)	WNU		One location to the east of the Stanley River.
<i>Eucalyptus obliqua</i> Wet Forest (undifferentiated)	WOU		Small areas within 1,000 m to the east of the Stanley River.
<i>Eucalyptus obliqua</i> Dry Forest & Woodland	DOB		Occurs in the northern third of the study area.

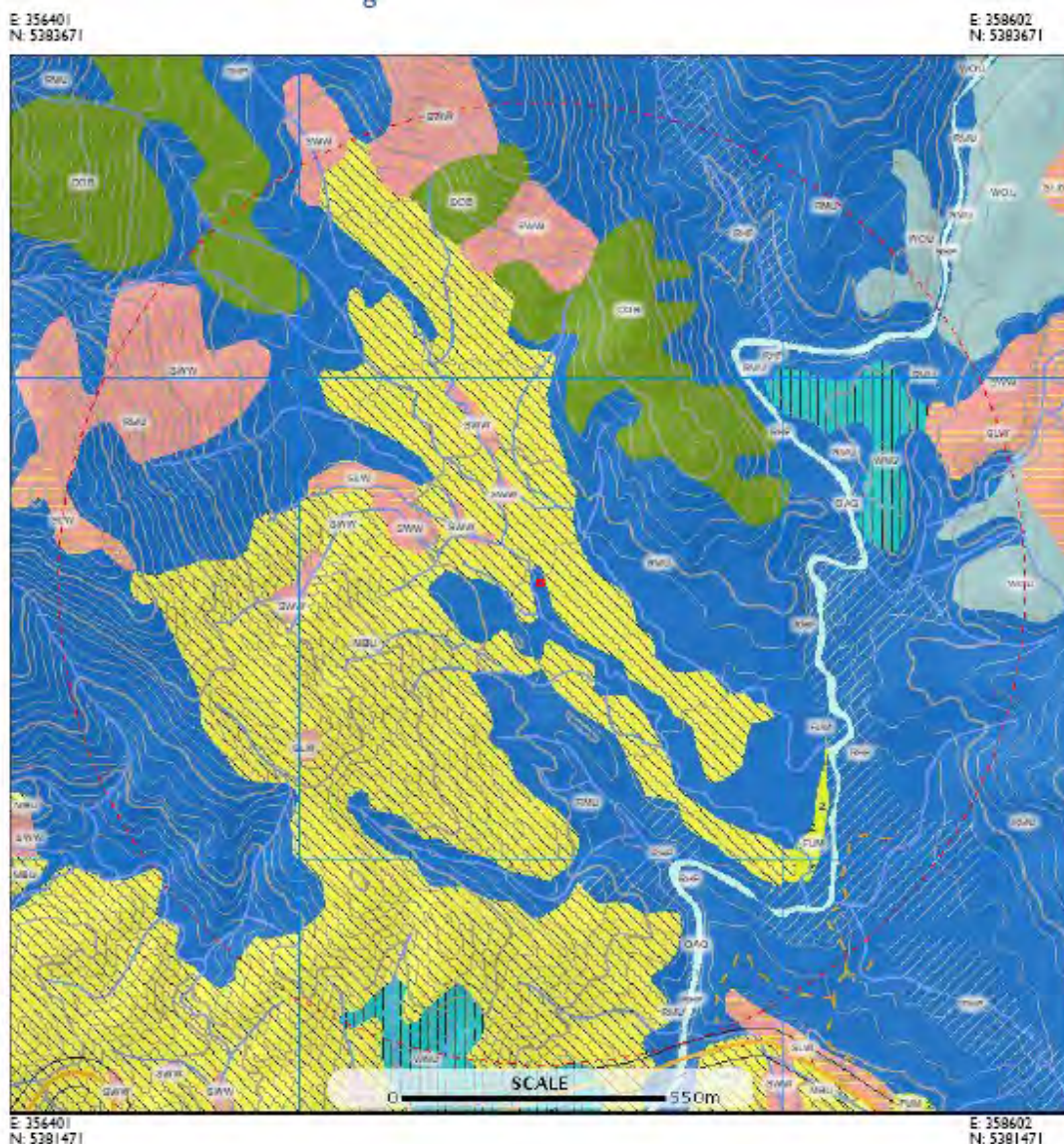


FIGURE 1: Vegetation communities in accordance with the TasVeg vegetation mapping program.

CODE of COMMUNITIES:	MBU	Buttongrass Moorland (undifferentiated)
	SWW	Western Wet Scrub
	SLW	<i>Leptospermum</i> Scrub
	RMS (RMU)	<i>Nothofagus/ Phyllocladus</i> Short Rainforest
	RHP	<i>Lagarostrobos franklinii</i> Rainforest & Scrub
	MNU	<i>Eucalyptus nitida</i> Wet Forest (undifferentiated)
	WOU	<i>Eucalyptus obliqua</i> Wet Forest (undifferentiated)
	DOB	<i>Eucalyptus obliqua</i> Dry Forest & Woodland

THREATENED VEGETATION COMMUNITIES:

None of the vegetation communities which are mapped under TasVeg within the study area are listed as threatened under the Tasmanian *Nature Conservation Act 2002*.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE:

The following vegetation communities which are mapped under TasVeg as occurring within 1,000 metres of the study area reference point are considered to be of conservation significance.

- *Lagarostrobos franklinii* Rainforest & Scrub is considered to be under-reserved and is being targeted under the RFA for further reservation.
- *Nothofagus* / *Phyllocladus* Short Rainforest is generally well reserved however it is considered to be under-reserved in its old-growth condition in some areas of the state.
- *Eucalyptus nitida* Wet Forest is considered to be under-reserved in its old-growth condition in some regions of the state.
- *Eucalyptus obliqua* Wet Forest is considered to be under-reserved in some regions of Tasmania.
- *Eucalyptus obliqua* Dry Forest & Woodland is considered to be under-reserved in some parts of the state and under-reserved across the state in its old-growth condition.

THREATENED FLORA:

No species of threatened flora listed under the Tasmanian *Threatened Species Conservation Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* are recorded on the "Natural Values Atlas" database as occurring within 500 metres of the study area reference point.

There are two species of listed threatened flora recorded on the database as occurring within 5,000 metres of the study area reference point.

- *Epacris curtisiae* There is one 1995 record of the Northwest Heath about 3,000 metres from this locality. The author has observed the species on elevated well drained slopes within buttongrass moorland about 6km west of this site. The species is listed as being rare under the Tasmanian Act. The species is endemic to Tasmania and is known to occur on undulating terrain in association with common heathy species within buttongrass moorlands. It occurs only in the far north-west of the state and the Meridith Range Regional Reserve is one of its key sites.
- *Senecio velleioides* The Forest Groundsel is listed as being rare under the Tasmanian Act. There is one 1983 record of the species from the locality. It is a short lived perennial herb growing up to 2 metres in height. It is found in moist places on hill slopes within forest communities, particularly following disturbance such as fire. The species has been recorded in scattered locations across the state with key locations in this Bioregion being Tullah, Rosebery and the Arthur River Forest Reserve.

THREATENED FAUNA:

There were no species of threatened fauna recorded on the database as occurring within 5,000 metres of the study area.

The following species of fauna which are listed as threatened under the State and/or Commonwealth Acts have potential to occur within the study area based on habitat mapping within the known geographical range of each.

- The Wedge-tailed Eagle *Aquila audax* subsp *fleayii* The Tasmanian subspecies is listed as endangered under both Tasmanian and Commonwealth Acts. The species requires large trees within tracts of old-growth forest for successful nesting.
- The White-bellied Sea-eagle *Haliaeetus leucogaster* is considered to be vulnerable in Tasmania and is listed under the state Act. It can be found over inland waterways and rivers as well as around the coastline and could be observed around the nearby hydro-electric impoundment.

- The White (Grey) Goshawk *Accipiter novae-hollandiae* is endangered in Tasmania and requires mature wet forest as habitat.
- The Masked Owl *Tyto novae-hollandiae* subsp. *castanops* The Tasmanian subspecies is listed as endangered under the state Act. The species requires large tree hollows for nesting and old-growth forest for its survival.
- The Azure Kingfisher *Ceyx azurea* is endangered in Tasmania and is restricted to riparian habitat along western and north-western rivers.
- The Australian Grayling *Prototroctes mareana* is a fish which is listed as being vulnerable under both State and Commonwealth Acts.

7. Field Survey:

Methodology: The survey area was accessed from the existing vehicular track which extends from the Reece Dam Road. An area of approximately 100 metres diameter was surveyed around each proposed drill pad site and included the proposed route to access the drill sites from the end of the existing vehicular track.

Vascular plant species were recorded, vegetation communities were observed and cross referenced with the TasVeg map sourced from the “Natural Values Atlas” database.

The field survey was conducted on Tuesday 15th December 2009.

Limitations: Although this survey was conducted in early summer when many species are flowering no botanical survey can guarantee that all flora will be observed and recorded in a single survey in any one year due to seasonal and annual variation in abundance and the possible absence of flowers and fertile material needed for identification. Ephemeral species which may have been present includes species of orchids, lilies, herbs, grasses and other graminoids. However all significant species known to occur in the study area and their environs have been considered in this report.

8. Field Survey Results:

All ten proposed drill pad sites are located on the low lying and poorly drained valley floor adjacent to Livingstone Creek. All but D1 are located on the northern side of the creek. Site D1 and D2 in particular are within 10 metres of the creek bank and site E is adjacent to an “S” bend in the creek line. At least one vehicular crossing of the creek and a culvert will be required in order to access the drill sites.

The vegetation community across all proposed drill pad sites is uniformly a valley floor facie of Western Buttongrass Moorland (MBW), a community which is widespread in western Tasmania. While Buttongrass *Gymnoschoenus sphaerocephalus* dominates the ground layer it is overtopped by a well developed shrub layer about 2 metres in height composed of species such as Swamp Heath *Sprengelia incarnata*, Swamp Honeymyrtle *Melaleuca squamea*, Parrotpea *Dillwynia glaberrima* and Shiny Teatree *Leptospermum nitidum*. The only variation to the community is along the banks of Livingstone Creek itself where the community becomes more scrub-like, taller and with small emergent trees of Western Peppermint *Eucalyptus nitida* as well as some additional shrubby species.

The composition of Western Buttongrass Moorland varies over its range depending on drainage conditions, soil fertility and fire history. In the absence of fire over an extended period it is likely that this community will further develop into Buttongrass Moorland with Emergent Shrubs (MBS) as the shrubby species become taller and more dense. This community is also quite widespread in western Tasmania.

Two of the proposed drill pad sites are located quite close to the banks of Livingstone Creek and care will need to be taken to avoid impacting on the creekside vegetation and creating erosion issues. Drill pad sites for D1, D2 and E may need to be adjusted by a few metres to avoid damage to the creek. Care will also be

needed to minimize impacts on the creek bank and vegetation when constructing crossings and installing culverts and the number of crossings required should be kept to the minimum necessary. Careful containment of sediment from the drilling operation will also be necessary to avoid contamination and siltation of the creek.

THREATENED VEGETATION COMMUNITY:

No vegetation community listed under the Tasmanian *Nature Conservation Act 2002* was observed during the field survey.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE: No old-growth Eucalypt forests, old-growth rainforest or communities of Huon Pine *Lagarostrobus franklinii* were present in the areas surveyed.

THREATENED FLORA:

No plant species listed under the Tasmanian *Threatened Species Conservation Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed or recorded during the field survey.

FLORA OF CONSERVATION SIGNIFICANCE:

No trees of Huon Pine *Lagarostrobus franklinii* or old-growth trees of Eucalypts or Celery-top Pine *Phyllocladus aspleniifolius* were observed during the field survey.

THREATENED FAUNA HABITAT:

No potential habitat was observed during the field survey for the following threatened species, Wedge-tailed Eagle, White-breasted Sea-eagle, Masked Owl, White Goshawk, Azure Kingfisher and the Australian Grayling.

ENVIRONMENTAL WEEDS:

No species of environmental weeds were observed during the field survey.

PHYTOPHTHORA:

There was no symptomatic evidence of the presence of the root pathogen *Phytophthora cinnamomi* within the area covered by the field survey.

9. Survey Conclusions:

No vegetation community listed as threatened under the Tasmanian *Nature Conservation Act 2002* was observed during the survey.

No vegetation community of conservation significance such as *Lagarostrobus franklinii* Rainforest or old-growth Eucalypt communities were present in the survey area.

No species of flora listed under the Tasmanian *Threatened Species Conservation Act 1995* or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed during the field survey. No species of threatened fauna listed under the above threatened species Acts was observed during the field survey and no potential habitat for the threatened species referred to above was present in the area surveyed. The proposed drill sites are located close to Livingstone Creek and care will be needed to avoid adverse environmental impacts on the creek and the creek-side vegetation. No environmental weeds were observed during the field survey, and no symptoms of *Phytophthora* infection was observed in the area surveyed.

10. Recommendations:

VEGETATION COMMUNITIES:

Limit clearing for each drill pad to the minimum specification in order to minimize environmental impact on the surrounding vegetation. Avoid damage to the stream banks and the associated vegetation along Livingstone Creek. The perimeter of drill pads D1, D2 and E1 may need to be adjusted in order to retain wherever possible a 10 metre wide buffer zone of vegetation along Livingstone Creek. The number of creek crossings and associated culverts to be constructed should also be limited and a single crossing would be the preferred option.

THREATENED VEGETATION COMMUNITIES:

No threatened vegetation community was present within the survey area and no specific action is required.

THREATENED FLORA:

No species of threatened flora was observed or recorded during the field survey and no specific action is required.

THREATENED FAUNA HABITAT:

No potential habitat for the threatened species referred to in this report was observed during the field survey and no specific action is required.

ENVIRONMENTAL WEEDS:

No environmental weeds were observed during the field survey and in order to prevent the inadvertent introduction of such weeds wash-down procedures should be followed of all vehicles, machinery and equipment before entering the site to remove any soil, mud and gravel which could contain soil-borne weed seeds.

PHYTOPHTHORA: Accepted protocols in regard to hygiene and wash-down procedures for all machinery, equipment, vehicles etc should be followed to ensure that the pathogen is not inadvertently introduced into the area by way of extraneous soil, mud or gravel adhered to tyres, workboots and equipment.

Philip Milner

Vegetation Consultant

APPENDIX 1: Vegetation Communities and Species Recorded**1. Western Buttongrass Moorland (TasVeg Code MBW)**

A largely tree-less community which follows the valley floor of Livingstone Creek and although Buttongrass is the predominant ground layer vegetation it comprises less than 30% of the total cover with shrubby species up to 2 metres tall comprising the balance. The community is relatively uniform in this location although it becomes a closed scrub community with emergent Eucalypts up to 8 metres tall and some other shrubby species along the stream banks of Livingstone Creek itself.

Western Buttongrass Moorland is a widespread vegetation community in western Tasmania.

EMERGENT TREES	COMMON NAME	EXTENT
<i>Eucalyptus nitida</i> E	Western Peppermint	mainly along Livingstone Ck
TALL SHRUBS		
<i>Banksia marginata</i>	Silver Banksia	occasional
<i>Cenarrhenes nitida</i> E	Native Plum	only along Livingstone Ck
<i>Hakea epiglottis</i> E	Beaked Needlebush	occasional
<i>Telopea truncata</i> E	Waratah	mainly along Livingstone Ck
MEDIUM SHRUBS		
<i>Dillwynia glaberrima</i>	Smooth Parrotpea	common
<i>Leptospermum glaucescens</i> E	Smoky Teatree	occasional
<i>Leptospermum nitidum</i> E	Shiny Teatree	abundant
<i>Melaleuca squamea</i>	Swamp Honeymyrtle	abundant
<i>Melaleuca squarrosa</i>	Scented Paperbark	mainly along Livingstone Ck
<i>Philotheca virgata</i>	Twiggy Waxflower	occasional
<i>Sprengelia incarnata</i>	Swampheath	abundant
SMALL SHRUBS		
<i>Bauera rubioides</i>	Wiry Bauera	common
<i>Epacris corymbiflora</i> E	Buttongrass Heath	common
<i>Epacris impressa</i>	Common Heath	occasional
<i>Pimelea linifolia</i>	Slender Riceflower	occasional
HERBS		
<i>Stylidium graminifolium</i>	Triggerplant	occasional
GRASSES & GRAMINOIDS		
<i>Baloskion tetraphyllum</i>	Tassel Cordrush	common along Livingstone Ck
<i>Empodisma minus</i>	Spreading Roperush	common
<i>Gahnia grandis</i>	Cutting Grass	mainly along Livingstone Ck
<i>Gymnoschoenus sphaerocephalus</i>	Buttongrass	abundant
<i>Patersonia fragilis</i>	Shortleaf Purpleflag	common
<i>Xyris muelleri</i> E	Roundhead Yellow-eye	common

APPENDIX 1. (cont)

Western Buttongrass Moorland (MBW)

FERNS & ALLIED PLANTS

Blechnum wattsii

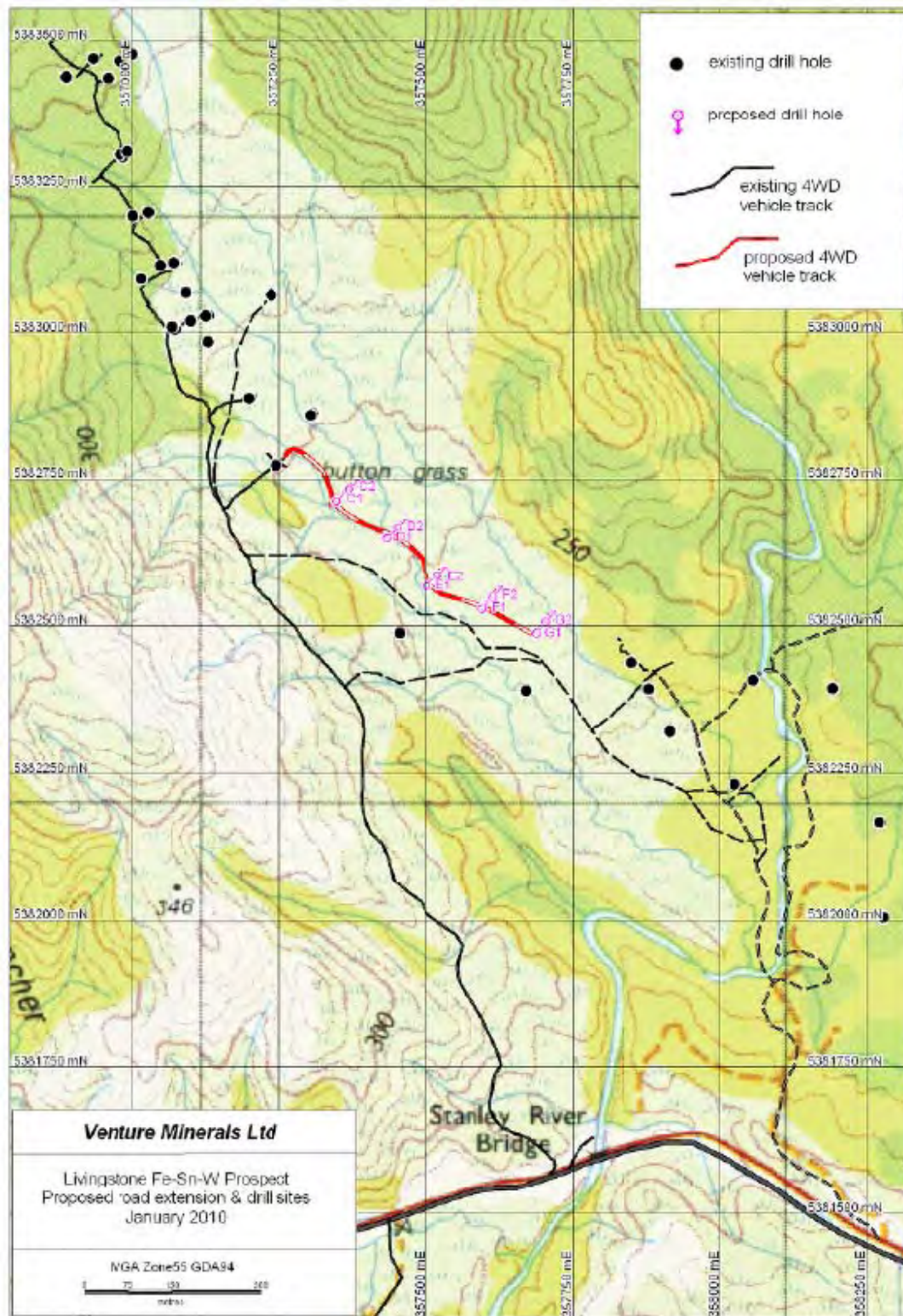
Hard Waterfern

mainly along Livingstone Ck

Gleichenia dicarpa

Pouched Coralfern

common



MAP 1. Livingstone Creek Target Area showing proposed drill sites and revised access route.



PHOTO 1. Survey area and buttongrass on valley floor next to Livingstone Creek in mid photo.



PHOTO 2. Buttongrass Moorland with shrubs of *Melaleuca squamea* and *Leptospermum nitidum*



PHOTO 3. Livingstone Creek adjacent to the exploration target area.



PHOTO 4. Western Buttongrass Moorland community with a well developed shrubby layer.

MT LINDSAY EXPLORATION PROGRAM
PROPOSED DRILL SITES AT NEWS CREEK & PARSONS HOOD
BOTANICAL SURVEY
For VENTURE MINERALS
6th December 2009



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Introduction: Venture Minerals Ltd is extending their exploratory drilling program in the area of Mt Lindsay West and on the upper slopes of Parsons Hood which will involve the clearing of seven drill pads in the vicinity of News Creek and one on south-eastern slopes of Parsons Hood. The exploration program will involve the transfer of a drill rig by helicopter and a quad bike track for ground crew access. A botanical survey is required of each drill pad site as part of the MRT license conditions to determine any likely impacts on threatened species or threatened vegetation communities.

Objectives: The objectives of this survey were to;

- Undertake a desktop survey to confirm the known biological records and the natural values present in the exploration target areas and in the vicinity.
- Undertake a field survey of the exploration target areas to observe and record the natural values present including the vegetation types and plant communities, the flora and in particular any threatened species, and the presence of any species of threatened fauna or of their potential habitat.
- Determine the possible impacts of the proposed exploration program on the natural values present and make recommendations on how those impacts can be minimized.

Location of Study Areas:



- Parsons Hood: PPH1 A single drill site proposed in the vicinity of GRID REF: 362400E – 5382800
- News Creek Target Area, proposed drill site locations.
 - PNC1: GRID REF: 358547E – 5382072N
 - PNC2: GRID REF: 358438E – 5382337N
 - PNC3: GRID REF: 358636E – 5382408N
 - PNC4: GRID REF: 358894E – 5382430N
 - PNC5: GRID REF: 359228E – 5382434N

PNC6: GRID REF: 359590E – 5382391N
PNC7: GRID REF: 359522E – 5382320N
(All Grid References MGA Zone 55 GDA94)

Site Description: The proposed exploration program comprises a single drill site located on the upper south-eastern slopes of Parsons Hood (PPH1) and 7 drill sites on the lower slopes of Mt Lindsay between Mt Lindsay and the Stanley River to the west. The 7 drill sites are located to the immediate south of News Creek, a tributary of the Stanley River which flows from the west facing slopes of Parsons Hood.

Desktop Survey of Natural Values: The DPIW database “The Natural Values Atlas” was accessed for the known biological records of the locality and environs. Records of threatened species of flora and fauna known to occur within a 5,000 metre radius of the location were also accessed. Data sourced included the vegetation types and plant communities, the occurrence of any threatened vegetation communities, the recorded locations of any threatened species of plants and threatened fauna known or expected to occur in the vicinity.

REF POINT for Parsons Hood locality: 362400E – 5382800N

REF POINT for News Creek / Mt Lindsay west area: 359000E – 5382364N

Desktop Survey Results:

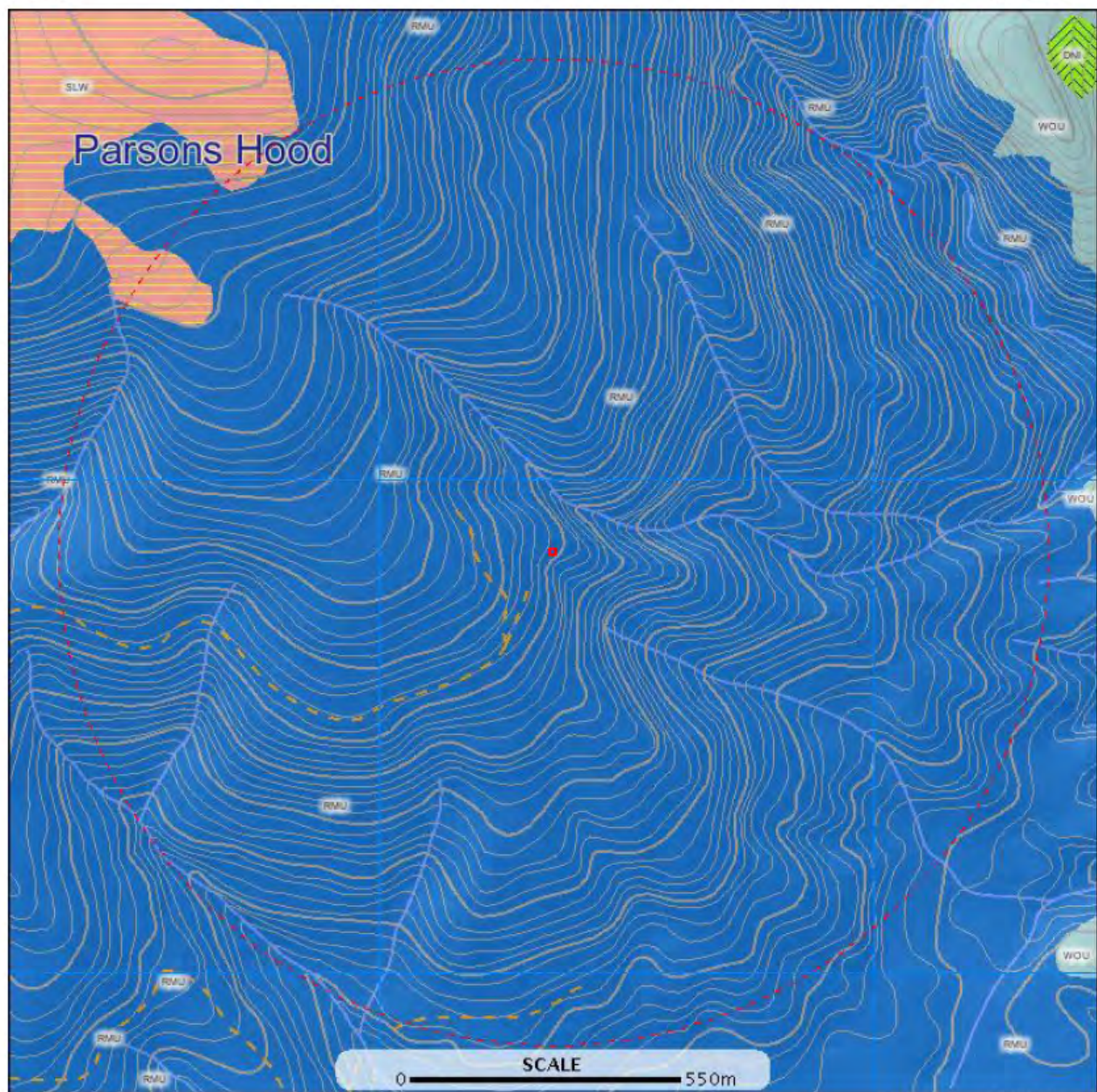
VEGETATION COMMUNITIES:

The following vegetation communities are mapped under the TasVeg mapping program as occurring within 1,000 metres of the study area reference points.

VEGETATION COMMUNITY	TasVeg Code / Map colour	EXTENT IN STUDY AREA
<i>Nothofagus – Atherosperma</i> Rainforest (undifferentiated)	RMU / Dark blue	The predominant community in both the Parsons Hood and News Creek survey areas
<i>Lagarostrobos franklinii</i> Rainforest & Scrub	RHP / Dark blue with diagonal lines	Mapped along the Stanley River, lower reaches of adjacent creeks and flood plains. A small area on the middle reaches of News Creek.
<i>Eucalyptus obliqua</i> Dry Forest & Woodland	DOB / Dark green	A localized area to the north-east of the reference point and north of News Creek
<i>Eucalyptus obliqua</i> Wet Forest (undifferentiated)	WOU / Light blue	Mainly occurs north of News Creek where extensive.
<i>Eucalyptus nitida</i> Wet Forest (undifferentiated)	WNU / aqua with vertical lines	Small area on a low ridge near the Stanley River north of the News Creek junction.
Western Wet Scrub	SWW / pink with yellow “x”	Two small areas north-west of reference point and north-west of News Creek
<i>Leptospermum</i> Scrub	SLW / Pink with horizontal yellow lines	Three separate areas north of News Creek and adjacent to areas of WOU.

E: 361249
N: 5383950

E: 363450
N: 5383950



E: 361249
N: 5381750

E: 363450
N: 5381750

FIGURE 1: Vegetation communities as per TasVeg mapping program within 1,000 metres of Parsons Hood study area reference point.

E: 357902
N: 5383464

E: 360103
N: 5383464

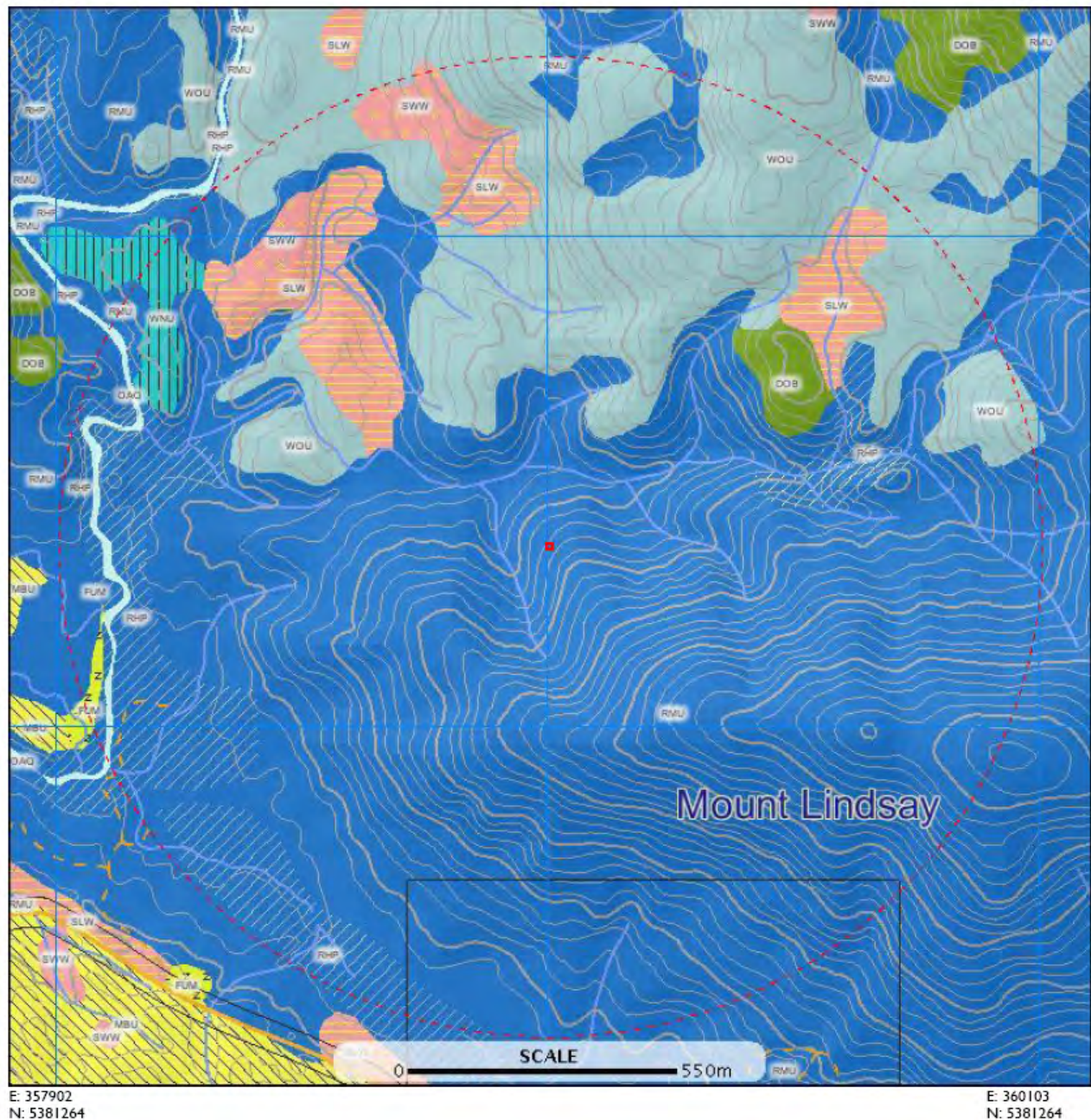


Figure 2: Vegetation communities as per TasVeg mapping program within 1,000 metres of Mt Lindsay / News Creek study area reference point. (Stanley River at left, News Creek to immediate north of central reference point)

CODE: RMU *Nothofagus / Atherosperma* Rainforest (undifferentiated), RHP *Lagarostrobos franklinii* Rainforest & Scrub, DOB *Eucalyptus obliqua* Dry Forest & Woodland, WOU *Eucalyptus obliqua* Wet Forest (undifferentiated), WNU *Eucalyptus nitida* Wet Forest (undifferentiated), SWW Western Wet Scrub, SLW *Leptospermum* Scrub.

THREATENED VEGETATION COMMUNITIES:

- None of the vegetation communities as mapped in the study area are listed as threatened under the *Nature Conservation Act 2002*.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE

- *Lagarostrobos franklinii* Rainforest & Scrub is considered to be under-reserved and is being targeted under the RFA for further reservation.
- *Nothofagus* / *Atherosperma* Rainforest is widespread in the west of the State however it is under-reserved in some regions and particularly so in its old-growth condition.
- *Eucalyptus obliqua* Dry Forest & Woodland is considered to be under-reserved in some parts of the state and under-reserved across the state in its old-growth condition.
- *Eucalyptus obliqua* Wet Forest is considered to be under-reserved in some regions of the State.
- *Eucalyptus nitida* Wet Forest is under-reserved in its old-growth condition in some regions of the State.

THREATENED FLORA:

- No species of threatened flora listed under the Tasmanian *Threatened Species Conservation Act 1995* and /or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* are recorded on the Natural Values Atlas database as occurring within 500 metres of the study area reference point.
- There are two species of threatened flora recorded on the database as occurring within 5,000 metres of the study area reference point.
- *Epacris curtisae*, Northwest Heath. There is one 1995 record of the species from the locality, and the author has observed the species on elevated well-drained slopes within buttongrass moorland about 8km to the west of this site. This species is listed as being rare under the Tasmanian Act.

The species is endemic to Tasmania and is known to occur on undulating terrain in association with common heathy species within buttongrass moorlands. It occurs only in the far north-west of the state and the Meridith Range Regional Reserve is one of its key sites.

- *Senecio vellioides*, Forest Groundsel. There is one record of the species from the area dated 1983. The species is listed as rare under the Tasmanian Act. It is a short lived perennial herb up to 2 metres in height which is found in moist places on hill slopes particularly after disturbance by fire. The species has been recorded in scattered locations across the state with key locations in this region being Tullah, Rosebery and the Arthur River Forest Reserve.

THREATENED FAUNA: There were no species of threatened fauna recorded on the database as occurring within 5,000 metres of the study area.

The following species of fauna which are listed under the State and/or Commonwealth Acts have potential to occur within the study area based on habitat mapping within the known geographical range of each.

- The Wedge-tailed Eagle, *Aquila audax* ssp *fleayii*. The Tasmanian subspecies is listed as endangered under both the Tasmanian and Commonwealth Acts. The species requires large trees within tracts of old-growth forest for successful nesting. No nest sites have been recorded in the Mt Lindsay / Parsond Hood area.
- The White-bellied Sea-eagle, *Haliaeetus leucogaster* is considered to be vulnerable in Tasmania and is listed under the State Act. It can be found over inland waterways and rivers as well as around the coastline and could be observed around the nearby hydro impoundment.

- The White (Grey) Goshawk, *Accipiter novae-hollandiae*, is endangered in Tasmania and requires mature wet forest as habitat.
- The Masked Owl, *Tyoto novae-hollandiae ssp castanops*. The Tasmanian subspecies is listed as endangered under the State Act. It requires large tree hollows for nesting and old-growth forest for its survival.
- The Azure Kingfisher, *Ceyx azurea* is endangered in Tasmania and is restricted to riparian habitat along western and north-western rivers.
- The Australian Grayling, *Prototroctes mareana* is a fish which is listed as being vulnerable under both State and Commonwealth Acts.

Field Survey:

Methodology: The field survey of each area was undertaken on foot with the proposed drill site at Parsons Hood PPH1 being accessed from along an existing but overgrown 4WD track and the 7 proposed drill sites to the south of News Creek being accessed from the newly cut route for the proposed quad bike access track which begins from the existing quarry as shown on the attached map. An area of approximately 100 metres diameter was surveyed around each drill site location. All drill sites are to be accessed by helicopter so there will be no development of an access road for equipment access.

Vascular plant species were recorded, vegetation communities were observed and cross-referenced with the TasVeg map sourced from the Natural Values Atlas database. Suitable habitat for threatened species of fauna was also observed.

The field surveys were conducted on the 30th November and the 1st December 2009.

Limitations: Although this survey was conducted in late spring when many species are flowering no botanical survey can guarantee that all flora will be observed and recorded in a single survey in one year due to seasonal and annual variation in abundance and the possible absence of flowers and fertile material for identification. Ephemeral species which may have been present includes species of orchids, lilies, herbs grasses and other graminoids. However all significant species known to occur in the study areas and their environs have been considered in this report.

Field Survey Results:

SURVEY 1: PARSONS HOOD Site PPH1 GRID REF: 362360E – 5382766N. The proposed drill pad site is to be accessed via an existing but overgrown 4WD track which passes through mature *Nothofagus* – *Atherosperma* callidendrous Rainforest (RMT) vegetation community comprising tall straight trunked trees of mainly *Nothofagus cunninghamii* with a mainly closed canopy and a relatively open understorey with ferns predominating the ground layer. *Atherosperma moschatum* and *Eucryphia lucida* were present as secondary trees and understorey species which were present included Horizontal *Anodopetalum biglandulosum* and Laurel *Anopterus glandulosa*. The vegetation along the track itself comprises regrowth thickets of mainly *Nothofagus* and clearing of this regrowth will have no impact on the adjacent mature trees or the forest community as a whole. The proposed drill site is located within the mature rainforest and will involve the falling of a number of mature trees in order to allow helicopter access. There is also two or more dead standing trees in the locality which will require falling for OH&S reasons. There are a number of large old-growth emergent *Nothofagus* in the area immediately around the proposed drill site and such trees are the most important to be retained if possible.

A few Tasmanian Devil scats were observed along the existing track which confirms the animals presence in the area albeit in quite low numbers and other fauna observed included Brown Thornbill, Green Rosella and the endemic Scrub Tit.

SURVEY 2: News Creek Target Area. MT LINDSAY WEST.

The News Creek Target area is to be accessed by a new quad bike track along the proposed route as shown on the attached map which has been cut for foot access only at this stage. The track commences in the vicinity of the existing quarry and follows the approximate contour in a north-westerly direction around the lower south-western facing slopes of Mt Lindsay towards the junction of News Creek and the Stanley River. Proposed drill sites PNC1 and PNC2 are located off this section of track. The track then follows News Creek upstream in an approximate easterly direction in order to access the remaining 5 proposed drill sites on the lower north facing slopes of Mt Lindsay.

The access track and the first 2 proposed drill sites are within the vegetation community *Nothofagus – Atherosperma* callidendrous Rainforest (RMT) with mature and semi-mature trees of *Nothofagus cunninghamii* dominating the canopy although *Sassafras Atherosperma moschatum* and Leatherwood *Eucryphia lucida* were also present as secondary trees. The proposed access track will have no significant impact on the vegetation community providing the canopy trees are retained.

Drill Site PNC1 at GRID REF: 358547E – 5382072N is located within a patch of semi-mature and regrowth Myrtle and will require the removal of approximately 15 trees to provide safe helicopter access. Leatherwood and Horizontal were present in the understorey and the ground layer was relatively open with a thick layer of leaf litter and other debris and some ferns, *Polystichum proliferum*. A second option site for drill site PNC1 was assessed at GRID REF: 358526E – 5382184N on a nearby flattish area on a low ridge. This area comprised mainly regrowth trees of Myrtle with a few semi-mature trees particularly upslope. The Greenhood Orchid *Pterostylis scabrida* was recorded at this site, it is however not listed as a threatened species.

Drill site PCN2 at GRID REF: 358438E – 5382337N is located within an area of dense Myrtle regrowth about 15 metres in height. Other species present included Leatherwood and an occasional Blackwood *Acacia melanoxylon*. An occasional *Gahnia grandis*, *Dicksonia antarctica* and *Polystichum proliferum* was present in the heavily shaded ground layer.

From Drill Site PCN2 the access track was at its closest point to the Stanley River and in this location the composition of the vegetation changed into a *Nothofagus – Phyllocladus* Short Rainforest (RMS) with emergent trees of Celery-top Pine *Phyllocladus asplenifolius*. *Nothofagus cunninghamii* was present but only as a smaller tree within the understorey. The community appears to have been mapped as *Lagarostrobos franklinii* Rainforest (RHP) on the TasVeg map however there were no Huon Pines present in this location. There is a higher diversity of species within the community including *Cenarrhenes nitida*, *Trochocarpa cunninghamii*, *Anopterus glandulosa*, *Eucryphia lucida*, *Anodopetalum biglandulosum*, *Monotoca glauca*, *Gahnia grandis* and *Blechnum wattsii*. There are no Drill sites planned for this location and the will be minimal impact from the track construction. The track at this point turns eastwards and crosses a low ridge where the vegetation again changes to a *Eucalyptus nitida* community with an established understorey of *Leptospermum* up to a height of about 10 metres. The vegetation is considered most likely to be a post-fire regrowth community about 30 years old. The understorey contained some species in common with the previous community but other species typical of Eucalypt forest understoreys were also present were the lesser density of *Leptospermum glaucescens* allowed. Species present included *Oxylobium arborescens*, *Leptecophylla juniperina*, *Nematolepis squamea*, *Acacia mucronata*, *Pimelea linifolia*, *Bauera rubioides*, *Billardiera longiflora*, *Drymophila cyanocarpa* and *Pteridium esculentum*. As the track gets closer to News Creek and Drill Site PCN3 this community becomes influenced by rainforest regrowth with Myrtles dominating the understorey although some of the Eucalypt understorey species are still present.

Drill Site PCN3 at GRID REF: 358636E – 5382408N is located within a thicket of Horizontal and Myrtle regrowth about 10 to 15m tall upslope from News Creek, with a large emergent Eucalypt nearby and with two large but dead standing Eucalypts also nearby. Blackwoods *Acacia melanoxylon* is also present as well as an occasional *Coprosma quadrifida*, *Oxylobium arborescens*, *Leptecophylla juniperina*, *Gahnia grandis*, *Dicksonia antarctica*, *Histiopteris incisa*, *Rumohra adiantiformis*, *Grammitis billardierii* and *Polystichum proliferum* in the understorey.

Drill Site PCN4 at GRID REF: 358894E – 5382430N is back into mature *Nothofagus* – *Atherosperma* Rainforest which from here extends up onto Mt Lindsay. There are some large old-growth emergent Myrtles towards the north-west and semi-mature trees on the site. Other tree species present include Sassafras and Leatherwood and dense patches of Horizontal in the understorey but with a relatively clear ground layer. A few ferns are present including *Rumohra adiantiformis*, *Blechnum nudum* and *Microsorium pustulatum*.

Drill Site PCN5 at GRID REF: 359228E – 5382434N is located within a thicket of Horizontal and Myrtle regrowth. Semi mature Myrtles and Sassafras were observed upslope of the site and there were some large emergent Myrtle trees within 50 -100 metres of the site including a single large tree to the north. Other species present in this location included Leatherwood, *Coprosma quadrifida*, and ferns such as *Polystichum proliferum*, *Blechnum wattsii*, *Dicksonia antarctica*, and *Rumohra adiantiformis*. *Gahnia grandis* and the herb *Hydrocotyle hirta* were also present.

Drill sites PCN6 and PCN7 are located upstream and further upslope of Site PCN5 and are within an area of true *Nothofagus cunninghamii* callidendrous Rainforest with large trees and a relatively clear understorey and ground layer.

Drill Site PCN6 at GRID REF: 359590E – 5382391N

Drill Site PCN7 at GRID REF: 359522E – 5382320N

There are mature Myrtles present around both sites as well as a number of larger emergent old-growth trees within a 100 metre radius of both sites.

Other species observed in the vicinity included a minor amount of Horizontal and Myrtle saplings and an occasional *Gahnia grandis* and *Dicksonia antarctica*, and the following species of orchids, *Pterostylis scabrida*, *Chiloglottis cornuta* and *Gastrodia sesamoides*. A number of old-growth Myrtles in this vicinity had hollows within the upper trunk and branches which would be potential fauna habitat and basal hollows were also observed which would be potential den locations for Tasmania Devils although no actual dens were identified.

The objective with clearing the drill pad sites in this location should be to limit the number of mature and old-growth Myrtles which need to be felled and particularly those with significant hollows.

THREATENED VEGETATION COMMUNITIES: No vegetation community listed under the Tasmanian *Nature Conservation Act 2002* was observed during the field survey.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE: No areas of *Lagarostrobos franklinii* Rainforest or Scrub was observed during this field survey although it is mapped as occurring along the nearby Stanley River and at one mid-stream location along News Creek.

THREATENED FLORA: No plant species listed under the Tasmanian *Threatened Species Conservation Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed or recorded during the field survey.

FLORA OF CONSERVATION SIGNIFICANCE: Non-threatened flora of interest which was observed during the field survey included the orchids *Pterostylis scabrida* and *Gastrodia sesamoides*.

The mature old-growth and emergent trees of Myrtle *Nothofagus cunninghamii* which occurred throughout much of the study area are of conservation significance on the basis of their age and longevity and as potential fauna habitat.

THREATENED FAUNA: No species of threatened fauna listed under the above State or Commonwealth Acts were observed during the field survey however scats of Tasmanian Devil were observed along the access track to the Parsons Hood site.

THREATENED FAUNA HABITAT: Potential habitat for threatened species of fauna was observed with the large emergent old-growth trees of *Nothofagus cunninghamii* which possessed hollows at the base of the trunk and in the upper branches although the presence of any threatened species of fauna could not be confirmed aside from the Tasmanian Devil scat observed in the Parsons Hood survey area.

FAUNA OF CONSERVATION SIGNIFICANCE: Other non-threatened fauna observed or heard during the field survey included the Yellow-tailed Black Cockatoo, Green Rosella, Black Currawong, Shining Bronze Cuckoo, Brown Thornbill, the endemic Tasmanian Scrubtit, Crescent Honeyeater and the Swallowtail Butterfly.

ENVIRONMENTAL WEEDS: No environmental weeds were observed within the areas covered by this field survey.

PHYTOPHTHORA: There was no symptomatic field evidence observed of the root pathogen *Phytophthora cinnamomi* during this field survey.

Survey Conclusions:

No vegetation community listed as threatened under the Tasmanian *Nature Conservation Act 2002* was observed during the survey.

No vegetation community of conservation significance such as *Lagarostrobos franklinii* Rainforest or Scrub was present within the survey area.

No species of flora which is listed under the Tasmanian *Threatened Species Protection Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed during the field survey.

No species of threatened fauna listed under the above threatened species Acts were observed during the survey and although minor traces of the presence of Tasmanian Devil was observed in the Parsons Hood area it is considered that the proposed exploration program will have no impact on the species.

No environmental weeds were observed within the survey area but are present within the existing quarry near the beginning of the proposed quad bike track.

No symptomatic evidence of Phytophthora was observed during the survey.

Recommendations:

VEGETATION COMMUNITIES: Limit clearing for each drill pad to the minimum specification for safe helicopter access in order to minimize environmental impact to the surrounding forest. Site drill pads in order to limit the number of mature old-growth Myrtles which will need to be felled. Apply the principle of removing younger regrowth trees before old-growth trees and site the drill pads in regrowth patches where possible.

THREATENED VEGETATION COMMUNITIES: No threatened vegetation community was observed during the field survey and no specific action is required.

THREATENED FLORA: No species of threatened flora was observed or recorded during the field survey and no specific action is required.

FLORA OF CONSERVATION SIGNIFICANCE: The large mature old-growth *Nothofagus cunninghamii* which occur over much of Mt Lindsay are considered to have some conservation significance. Falling of such trees should be limited to proposed drill pad sites and only those required for safe helicopter access to each of the proposed drill sites.

THREATENED FAUNA: No species of threatened fauna was observed during the field survey although minor traces of Tasmanian Devil was observed at Parsons Hood. The proposed drilling program on Parsons Hood will have no impact on the species and no specific action is required.

THREATENED FAUNA HABITAT: Old-growth trees which contain hollows are potential habitat for numerous species of fauna including a number of threatened species such as the Tasmanian Masked Owl. Limit the falling of old-growth Myrtles as much as possible.

ENVIRONMENTAL WEEDS: If the existing quarry which is within 100 metres of the beginning of the proposed quad bike track to the News Creek target area is to be used for the storage of materials and equipment it will be essential to establish a washdown station at the start of the track to ensure that seeds of the environmental weeds growing in the quarry are not inadvertently carried into the drill sites.

PHYTOPHTHORA: Although rainforest communities are not considered to be susceptible to infection by the pathogen Phytophthora it is still important that accepted protocols in regard to hygiene and washdown procedures for machinery and equipment, including the drill rig itself are followed, to ensure that the pathogen is not introduced to the drill sites by way of extraneous soil, mud and gravel adhered to tyres, workboots and equipment.

Philip Milner

Vegetation Consultant

Appendix 1: Vegetation Communities and Species Recorded

1. *Nothofagus* – *Atherosperma* Rainforest (TasVeg Code RMT)

DOMINANT TREE <i>Nothofagus cunninghamii</i>	COMMON NAME Myrtle	FREQUENCY very common
SUB-DOMINANT TREE <i>Atherosperma moschatum</i>	Sassafras	common
SECONDARY TREES <i>Acacia melanoxylon</i> <i>Eucryphia lucida</i>	Blackwood Leatherwood	frequent frequent
UNDERSTOREY TREES AND TALL SHRUBS <i>Anodopetalum biglandulosum</i> <i>Anopterus glandulosus</i>	Horizontal Laurel	common frequent
MEDIUM SHRUBS <i>Coprosma quadrifida</i>	Native Currant	occasional
SMALL SHRUBS <i>Trochocarpa cunninghamii</i>	Straggling Purpleberry	occasional
CLIMBERS <i>Clematis aristata</i>	Southern Clematis	uncommon
HERBS <i>Hydrocotyle hirta</i>	Hairy Pennywort	occasional
ORCHIDS <i>Chiloglottis cornuta</i> <i>Gastrodia sesamoides</i> <i>Pterostylis scabrida</i>	Green Bird Orchid Potato Orchid Rough Greenhood	occasional uncommon occasional
GRASSES AND GRAMINOIDES <i>Gahnia grandis</i> <i>Libertia pulchella</i>	Cutting Grass Pretty Grassflag	uncommon uncommon
FERNS & ALLIED PLANTS <i>Blechnum nudum</i> <i>Blechnum wattsi</i> <i>Dicksonia antarctica</i> <i>Grammitis billardiarei</i> <i>Histiopteris incisa</i> <i>Hymenophyllum australe</i>	Fishbone Waterfern Hard Waterfern Soft Treefern Common Fingerfern Bat's wing Fern Southern Filmyfern	uncommon occasional frequent frequent occasional occasional

12/18

APPENDIX 1 (cont)

1. *Nothofagus* – *Atherosperma* Rainforest

<i>Hypolepis rugulosus</i>	Ruddy Groundfern	occasional
<i>Microsorium pustulatum</i>	Kangaroo Fern	occasional
<i>Polystichum proliferum</i>	Mother Shieldfern	common
<i>Rumohra adiantiformis</i>	Leathery Shieldfern	occasional
<i>Sticherus tener</i>	Umbrella Fern	uncommon
<i>Tmesipterus obliqua</i>	Common Forkfern	uncommon

2. *Nothofagus* – *Phyllocladus* Short Rainforest (TasVeg Code RMS)

CO-DOMINANT TREES

<i>Nothofagus cunninghamii</i>	Myrtle	common
<i>Phyllocladus asplenifolius</i>	Celerytop Pine	common
<i>Eucryphia lucida</i>	Leatherwood	common

SECONDARY TREES AND LARGE SHRUBS

<i>Anodopetalum biglandulosum</i>	Horizontal	common
<i>Anopterus glandulosa</i>	Laurel	common
<i>Cenarrhenes nitida</i>	Native Plum	occasional

MEDIUM SHRUBS

<i>Monotoca glauca</i>	Goldywood	uncommon

SMALL SHRUBS

<i>Trochocarpa cunninghamii</i>	Straggling Purpleberry	occasional

GRASSES & GRAMINOIDS

<i>Gahnia grandis</i>	Cutting Grass	common

FERNS & ALLIED PLANTS

<i>Blechnum wattsi</i>	Hard Waterfern	common

3. *Eucalyptus nitida* Wet Forest (undifferentiated) (TasVeg Code WNU)

4. *Eucalyptus nitida* Forest over *Leptospermum* (TasVeg Code WNL)

DOMINANT TREES

<i>Eucalyptus nitida</i>	Western Peppermint	common

UNDERSTOREY TREES

<i>Leptospermum glaucescens</i>	Smoky Teatree	common
<i>Phyllocladus asplenifolius</i>	Celerytop Pine	uncommon

TALL SHRUBS

<i>Acacia mucronata</i>	Caterpillar Wattle	frequent
<i>Nematolepis squamea</i>	Satinwood	uncommon

APPENDIX 1 (cont)

Eucalyptus nitida Forest

Oxylobium arborescens

Tall Shaggypea

uncommon

MEDIUM SHRUBS

Monotoca glauca

Goldywood

frequent

SMALL SHRUBS

Bauera rubioides

Wiry Bauera

common

Leptecophylla juniperina

Common Pinkberry

occasional

Pimelea linifolia

Slender Riceflower

occasional

CLIMBERS

Billardiera longiflora

Climbing Blueberry

uncommon

GRASSES & GRAMINOIDS

Dryophila cyanocarpa

Turquoiseberry

occasional

Gahnia grandis

Cutting Grass

common

FERNS & ALLIED PLANTS

Blechnum wattsi

Hard Waterfern

common

Pteridium esculentum

Bracken

common



PHOTO 1..... TREE CANOPY PPH1 PARSONS HOOD



PHOTO 2 DRILL SITE PCN1 NEWS CREEK



PHOTO 3 *Nothofagus – Atherosperma* callidendrous Rainforest near PNC1 & PCN2



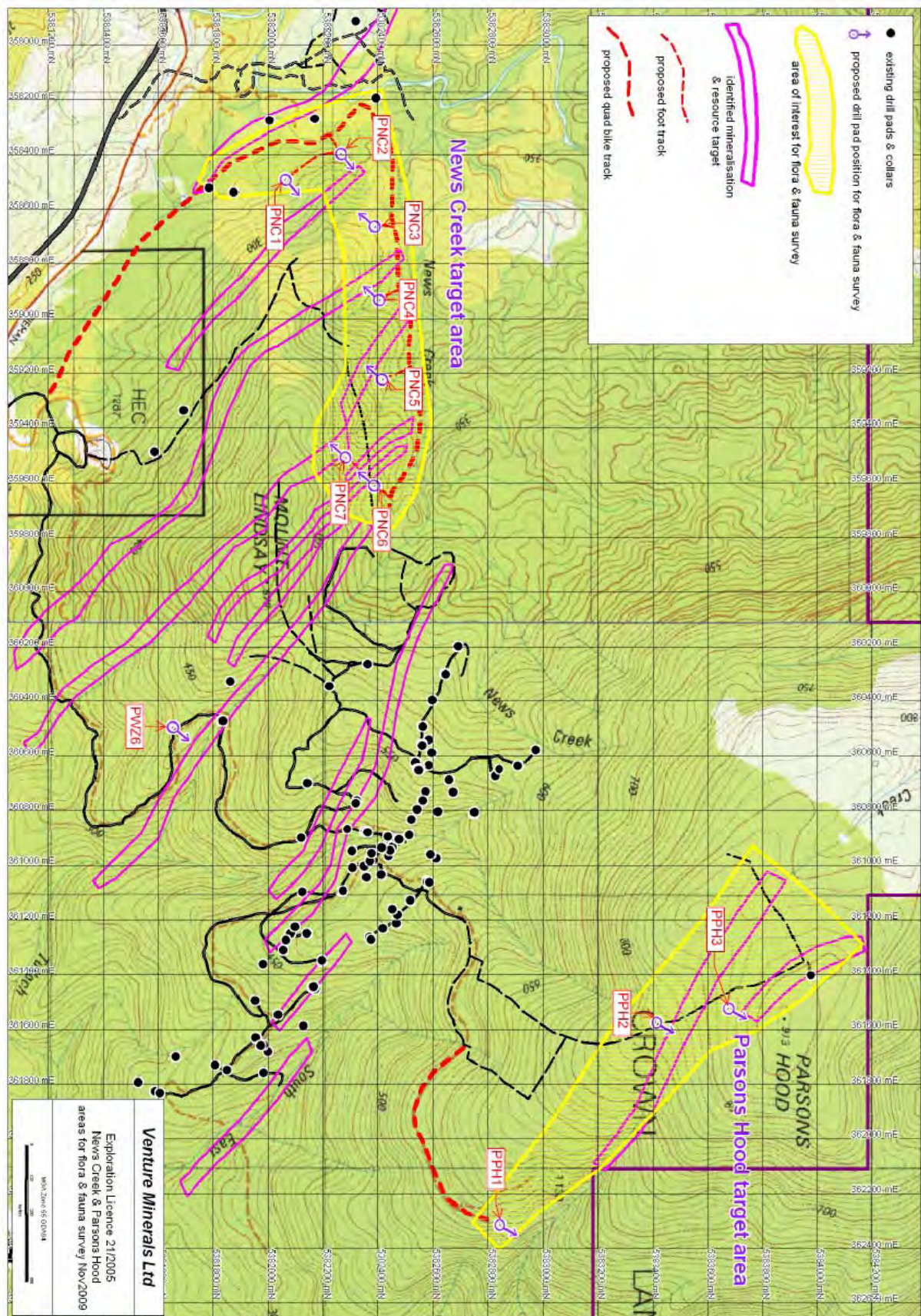
PHOTO 4 DRILL SITE PCN2 NEWS CREEK



PHOTO 5 DRILL SITE PCN3 NEWS CREEK



PHOTO 6 DRILL SITES PNC6 & PNC7 NEWS CREEK



**BOTANICAL SURVEY
PARSONS HOOD PROSPECT
FOR VENTURE MINERALS LTD**

2nd August 2008

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CONTENTS

1.0	INTRODUCTION
1.1	Background
1.2	Objectives
1.3	Study Area
1.4	Site Description
2.0	DESKTOP SURVEY OF NATURAL VALUES
2.1	Background Research
2.2	Desktop Survey Results
3.0	FIELD SURVEY
3.1	Survey Methodology
3.2	Limitations
3.3	Field Survey Results
4.0	CONCLUSIONS
5.0	RECOMMENDATIONS
5.1	Access Track
5.2	Drill Pad Sites PH1 & PH2
5.3	DRILL PAD SITES PH3 & PH4
	APPENDIX 1: Plant Communities and Species Recorded
	APPENDIX 2: Checklist of Species Recorded by Family
	MAP 1: Location of Study Area
	MAP 2: Survey Details

1.0 INTRODUCTION

1.1 Background

Venture Minerals is undertaking an exploration program on the southern mid slopes of Parsons Hood north of Lake Pieman in north-west Tasmania and are intending to extend the program with 4 drill sites near and on the summit of Parsons Hood. This program extension will involve the clearing of 4 drill sites suitable for a helicopter transportable rig and a walking track for access from the existing program area on the lower slopes.

1.2 Objectives

The objectives of this survey are to determine the botanical and other natural values present within the study area, to determine the possible impacts of the proposed exploration program on those values and to make recommendations on how the possible impacts on those values can be minimized and managed. The natural values to be surveyed include the indigenous vegetation, the plant communities and the species each comprise. The fauna known or considered likely to occur in the locality are also considered.

1.3 Study Area

The survey area covers the southern portion of the Parsons Hood summit and the upper south facing slopes of the mountain. Parsons Hood has the appearance of a large rounded hill rather than a mountain and is covered in vegetation. The summit is 915 metres above sea level.

1.4 Site Description

The field survey commenced from an existing but overgrown 4WD track which extends around the mid slopes on the southern side of Parsons Hood. From this track a flagged route followed a ridgeline in a north-easterly direction and then a north-westerly direction up towards the summit linking 2 proposed drill sites and then extending to a further two drill sites in the summit zone.

The grade was relatively steep but became more undulating in the summit area.

The soil was organic in nature, well drained but relatively shallow and moreso on the top of the mountain and with a minor amount of exposed rock.

2.0 DESKTOP SURVEY OF NATURAL VALUES

2.1 Background Research

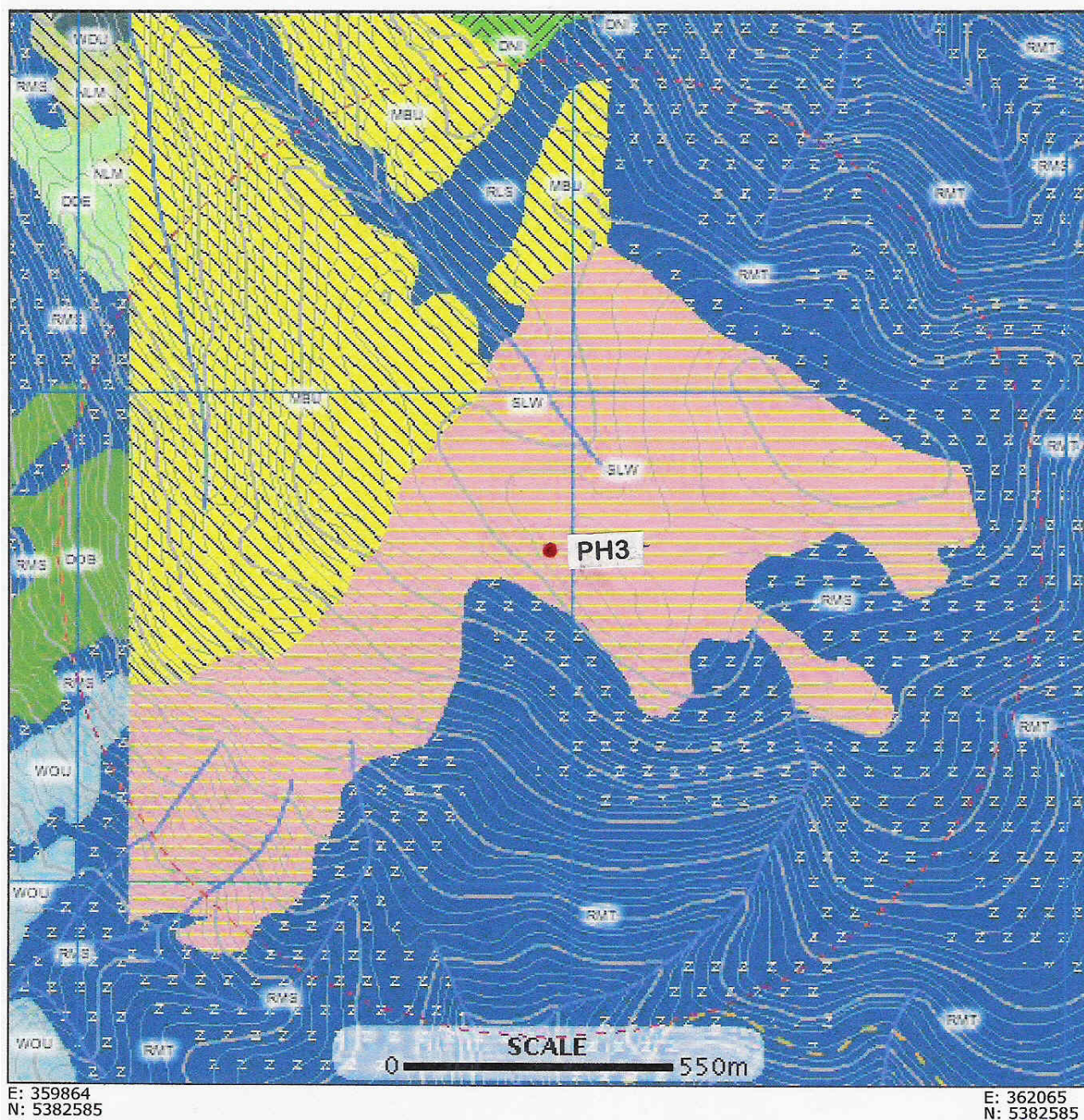
The DPIW database, The Natural Values Atlas was accessed for the known biological records of the study area, which included a 1000 metre buffer zone around the site. Records of threatened species known to occur within a 5000 metre radius of the site were also accessed.

Data sourced included the occurrence of threatened vegetation communities, the locations of threatened plant species, and threatened fauna known or expected to occur in the vicinity.

2.2 Desktop Survey Results

PLANT COMMUNITIES: The following vegetation communities are mapped as per TasVeg as occurring within a 1000 metre radius of the study area.

TasVeg Community	TasVeg Code	Extent in Study Area
<i>Nothofagus- Atherosperma</i> Rainforest	RMT	Widespread on upper slopes
<i>Nothofagus- Phyllocladus</i> Rainforest	RMS	Widespread on lower and mid slopes
<i>Leptospermum</i> Scrub	SLW	Widespread summit & western slopes
Buttongrass Moorland (undifferentiated)	MBU	Widespread on western slopes



THREATENED VEGETATION COMMUNITIES: No vegetation community listed under the Tasmanian Threatened Native Vegetation Communities Act of 2006 is mapped as occurring within or adjacent to the study area.

THREATENED FLORA: No threatened species of vascular plants were recorded on the data base as occurring within the study area or within a 500 metre buffer zone of the study area.

The threatened species *Micranthuem serpentinum* is recorded as occurring within 5000 metres of the study area.

NON-THREATENED FLORA OF CONSERVATION SIGNIFICANCE: No non-threatened flora of conservation significance was recorded on the data base as occurring within a 500 metre radius of the study area. This indicates that a formal botanical survey has not been previously undertaken on this area of Parsons Hood.

THREATENED FAUNA: No threatened fauna was recorded within 500 metres of the study area.

According to the Natural Values Atlas data base there are two records of the Wedgetailed Eagle within 5000 metres of the study area with approximate dates of the 1980's and 1996. There is also a record of a Thylacine sighting about 1974.

- *Aquila audax* Wedgetailed Eagle is listed as endangered under both State and Commonwealth Acts.
- *Thylacinus cynocephalus* Thylacine is listed as extinct under both Acts.

3.0 FIELD SURVEY

3.1 Survey Methodology

The survey was undertaken on foot commencing from an existing but overgrown 4WD track which traverses the mid southern slopes of the mountain. The survey followed a flagged route up a southern facing ridge to two proposed drill sites PH1 and PH2 and then linked to two further drill sites on the top of Parsons Hood but to the immediate west of the actual summit. These drill sites are identified as PH3 and PH4. Refer to the map attached to this report for Drill site locations.

Vascular plant species were recorded, plant communities were observed and cross referenced with the TasVeg map.

The survey was undertaken on Tuesday 29th July 2008.

DRILL SITE and SURVEY LOCATIONS:

PH1: 361653E – 5383099N

PH2: 361553E – 5383485N

PH3: 360965E – 5383685N

PH4: 361405E – 5383980N

Datum: WGS 84

3.2 Limitations

The survey was undertaken in winter. No botanical survey can guarantee that all vascular flora will be observed and recorded during a single survey in one year, due to seasonal and annual variation in abundance and the possible absence of flowers and fertile material for identification. Ephemeral species that may have been present includes species of orchids, lilies, grasses and other graminoids. However all significant species known to occur in the locality and its environs have been considered in this report.

3.3 Field Survey Results

The first stage of the survey following the flagged route up the ridgeline to Drill sites PH1 and PH2 was through the tall Myrtle and Sassafras rainforest community ***Nothofagus-Atherosperma Rainforest (RMT)*** which is a widespread community in western Tasmania. The vegetation on the upper slopes of Parsons Hood and at Drill sites PH3 and PH4 became a much shorter rainforest community dominated by Myrtle, *Nothofagus cunninghamii*. This community fits within the definition of **Highland Low Rainforest (and Scrub) (RSH)** rather than the *Nothofagus-Phyllocladus* Short Rainforest (RMS) which has been previously mapped under TasVeg. One of the main indicators is that the Celery-top Pine *Phyllocladus asplenifolius* is not present in this rainforest community. No *Leptospermum* Scrub (SLW) community was observed in the area surveyed although this community is mapped under TasVeg as being in the locality. It may be located more on the western slopes of the mountain.

VEGETATION COMMUNITIES:

- ***Nothofagus – Atherosperma Rainforest (RMT)*** was widespread on the lower slopes of Parsons Hood and was characterized by a medium to tall closed canopy of Myrtle although Sassafras was also prominent as a canopy tree. The community had the appearance of mixed age as there were occasional large and old trees, occasional dead standing trees as well as regrowth saplings of varying ages. The understorey also varied in density and diversity with broad-leafed shrubs and ferns prominent. The community in this location fits within the definition of a thamnian type rainforest community where there is a degree of diversity in the shrubby mid-storey. This community is widespread and well conserved in western Tasmania.
- **Highland Low Rainforest (and Scrub) (RSH)** A distinctive community dominated by Myrtle, *Nothofagus cunninghamii* as small trees generally less than 8 metres tall with multi-stems arising from large ancient bases and forming a dense closed canopy and a tangled branched understorey. There was very little diversity although Horizontal *Anodopetalum biglandulosum* and *Richea pandanifolia* were present. *Richea scoparia* was also observed as an occasional mature plant. This community is known to occur between 800 and 1200 metres altitude in well drained locations on reasonably good soils in locations which have had long fire-free intervals. The community does regenerate from localized disturbance and there was evidence of good regrowth of *Nothofagus cunninghamii* and *Richea pandanifolia* during this survey from a previous drilling program (during the early 80's) in the vicinity of Drill site PH4. This community is not a listed threatened community but it does have some conservation significance due to its intactness and extended period without fire.

THREATENED VEGETATION COMMUNITY:

No vegetation community listed under the Tasmanian Native Vegetation Communities Act of 2006 was observed during the field survey.

THREATENED FLORA:

No vascular plant species listed under the Tasmanian Threatened Species Act 1995 or the Commonwealth Environment Protection and Biodiversity Conservation Act of 1999 was observed during the field survey. There was no suitable habitat for the threatened species *Micranthemum serpentinum* in the area surveyed and it was not present.

4.0 CONCLUSIONS

The proposed extension to the drilling program onto the upper slopes and summit area of Parsons Hood which will involve a walking access track and 4 drill pads accessible to a helicopter transportable drill rig will have limited impact on the botanical values of the location providing minimal disturbance practices are followed and adhered to. In particular disturbance should be kept to a minimum in the summit area in the vicinity of Drill sites PH3 and PH4.

No threatened vegetation communities or threatened vascular plants were observed during the field survey, although it is considered that the Highland Low Rainforest of the summit area does have some conservation significance. Even though this community is not highly flammable, particularly during the cooler weather, precautions should be taken to ensure that there is no risk of fire during the field activities.

5.0 RECOMMENDATIONS

5.1 Access Track linking each proposed drill pad

- Limit ground disturbance and avoid large or old trees in the clearing and formation of the walk track through the tall rainforest.
- Limit the clearing of vegetation to pedestrian track width through the summit rainforest in order to maintain a closed canopy as much as possible. Avoid cutting Pandani's *Richea pandanifolia* and Scoparia *Richea scoparia* during track clearance work.

5.2 Drill Pad Sites PH1 and PH2

- Site drill pads on natural benches if possible, avoiding steep slopes.
- Site drill pads to avoid large mature trees of Myrtle or Sassafras if possible
- Site drill pads to avoid drainage lines or seepage areas if possible.

5.3 Drill Pad Sites PH3 and PH4

- Clear drill pad sites to the minimum requirement and limit ground disturbance as much as possible.
- Ensure that there is no use of fire or risk of accidental fires during the field operations in the summit area and ensure that personnel are fully briefed about limits on fire use.

APPENDIX 1: Plant Communities and Species Recorded

1: *Nothofagus – Atherosperma* Rainforest (TasVeg Code RMT)

This community is widespread on the lower slopes of Parsons Hood and is a widespread community in western Tasmania. The community in this location tends towards a thamnian type of rainforest with a mid storey of large leafed shrubs and greater diversity of species than in callidendrous rainforest which has a more open mid storey. The closed canopy and upper storey is of medium height co-dominated by Myrtle and Sassafras although it does include some larger old-growth trees in this location. There was greater diversity in the understorey on the lower slopes where there had been previous disturbance and a diversity of ferns. With increased altitude this community intergrades with the Highland Low Rainforest community where there is an overlap of species.

DOMINANT TREES

<i>Nothofagus cunninghamii</i>	Myrtle-beech
<i>Atherosperma moschatum</i>	Sassafras

SECONDARY TREES

<i>Anodopetalum biglandulosum</i>	Horizontal
<i>Eucryphia lucida</i>	Leatherwood

SHRUBS

<i>Anopterus glandulosus</i>	Tasmanian Laurel
<i>Leptecophylla juniperina</i> subsp. <i>parvifolia</i>	Mountain Pinkberry
<i>Prostanthera lasianthos</i>	Christmas Mintbush
<i>Tasmannia lanceolata</i>	Pepperberry
<i>Trochocarpa cunninghamii</i>	Straggling Purpleberry
<i>Richea pandanifolia</i>	Pandani

GRASSES and GRAMINOIDS

<i>Gahnia grandis</i>	Cutting Grass

FERNS and ALLIED PLANTS

<i>Blechnum wattsii</i>	Hard Waterfern
<i>Dicksonia antarctica</i>	Soft Treefern
<i>Grammitis billardiarei</i>	Common Fingerfern
<i>Histiopteris incisa</i>	Bat'swing Fern
<i>Hymenophyllum australe</i>	Austral Filmyfern
<i>Hypolepis rugulosa</i>	Ruddy Groundfern
<i>Microsorium pustulatum</i>	Kangaroo Fern
<i>Polystichum proliferum</i>	Mother Shieldfern
<i>Rumohra adiantiformis</i>	Leathery Shieldfern
<i>Sticherus tener</i>	Silky Fanfern

2. Highland Low Rainforest (and Scrub) (TasVeg Code RSH)

This distinctive low rainforest community covered the higher altitude zone, 900 metres +/-, of Parsons Hood that was surveyed. The community comes in various forms but in this location it is a closed community with a dense canopy less than 8 metres tall, dominated by a multi-stemmed form of *Nothofagus cunninghamii* and characterized by low species diversity, with very few understorey plants in the low light conditions, and ferns were largely replaced by mosses in the groundlayer. The multi stems of the Myrtle arise from ancient bases and the understorey is a tangle of interwoven branches.

It is distinct from *Nothofagus – Phyllocladus* Short Rainforest (RMS) by a complete absence of Celery-top Pine *Phyllocladus asplenifolius*.

DOMINANT TREES

<i>Nothofagus cunninghamii</i>	Myrtle-beech

SECONDARY TREES

<i>Anodopetalum biglandulosum</i>	Horizontal
<i>Atherosperma moschatum</i>	Sassafras
<i>Richea pandanifolia</i>	Pandani

SHRUBS

<i>Anopterus glandulosus</i>	Tasmanian Laurel
<i>Olearia persoonioides</i>	Geebung Daisybush
<i>Richea scoparia</i>	Scoparia
<i>Tasmannia lanceolata</i>	Pepperberry
<i>Telopea truncata</i>	Waratah
<i>Trochocarpa cunninghamii</i>	Straggling Purpleberry

GRASSES and GRAMINOIDS

<i>Libertia pulchella</i>	Pretty Grassflag

FERNS and ALLIED PLANTS

<i>Blechnum wattsii</i>	Hard Waterfern
<i>Polystichum proliferum</i>	Mother Shieldfern

APPENDIX 2: Checklist of Species Recorded by Family

Dicotyledonae	
ASTERACEAE	
<i>Olearia persoonioides</i>	RSH
CUNONIACEAE	
<i>Anodopetalum biglandulosum</i>	RMT, RSH
EPACRIDACEAE	
<i>Leptecophylla juniperina</i> subsp. <i>parvifolia</i>	RMT
<i>Richea pandanifolia</i>	RMT, RSH
<i>Richea scoparia</i>	RSH
<i>Trochocarpa cunninghamii</i>	RMT, RSH
ESCALLONIACEAE	
<i>Anopterus glandulosus</i>	RMT, RSH
EUCRYPHIACEAE	
<i>Eucryphia lucida</i>	RMT
FAGACEAE	
<i>Nothofagus cunninghamii</i>	RMT, RSH
LAMIACEAE	
<i>Prostanthera lasianthos</i>	RMT
MONIMIACEAE	
<i>Atherosperma moschatum</i>	RMT, RSH
PROTEACEAE	
<i>Telopea truncata</i>	RSH
WINTERACEAE	
<i>Tasmania lanceolata</i>	RSH
Monocotyledonae	
CYPERACEAE	
<i>Gahnia grandis</i>	RMT
IRIDACEAE	
<i>Libertia pulchella</i>	RSH

Appendix 2 (cont)

Checklist of species by Family

Pteridophyta

BLECHNACEAE

Blechnum nudum

RMT

Blechnum wattsii

RMT, RSH

DENNSTAEDTIACEAE

Histiopteris incisa

RMT

Hypolepis rugulosa

RMT

DRYOPTERIDACEAE

Polystichum proliferum

RMT, RSH

Rumohra adiantiformis

RMT

GLEICHENIACEAE

Sticherus tener

RMT

GRAMMITIDACEAE

Grammitis billardiarei

RMT

HYMENOPHYLLACEAE

Hymenophyllum australe

RMT

POLYPODIACEAE

Microsorium pustulatum

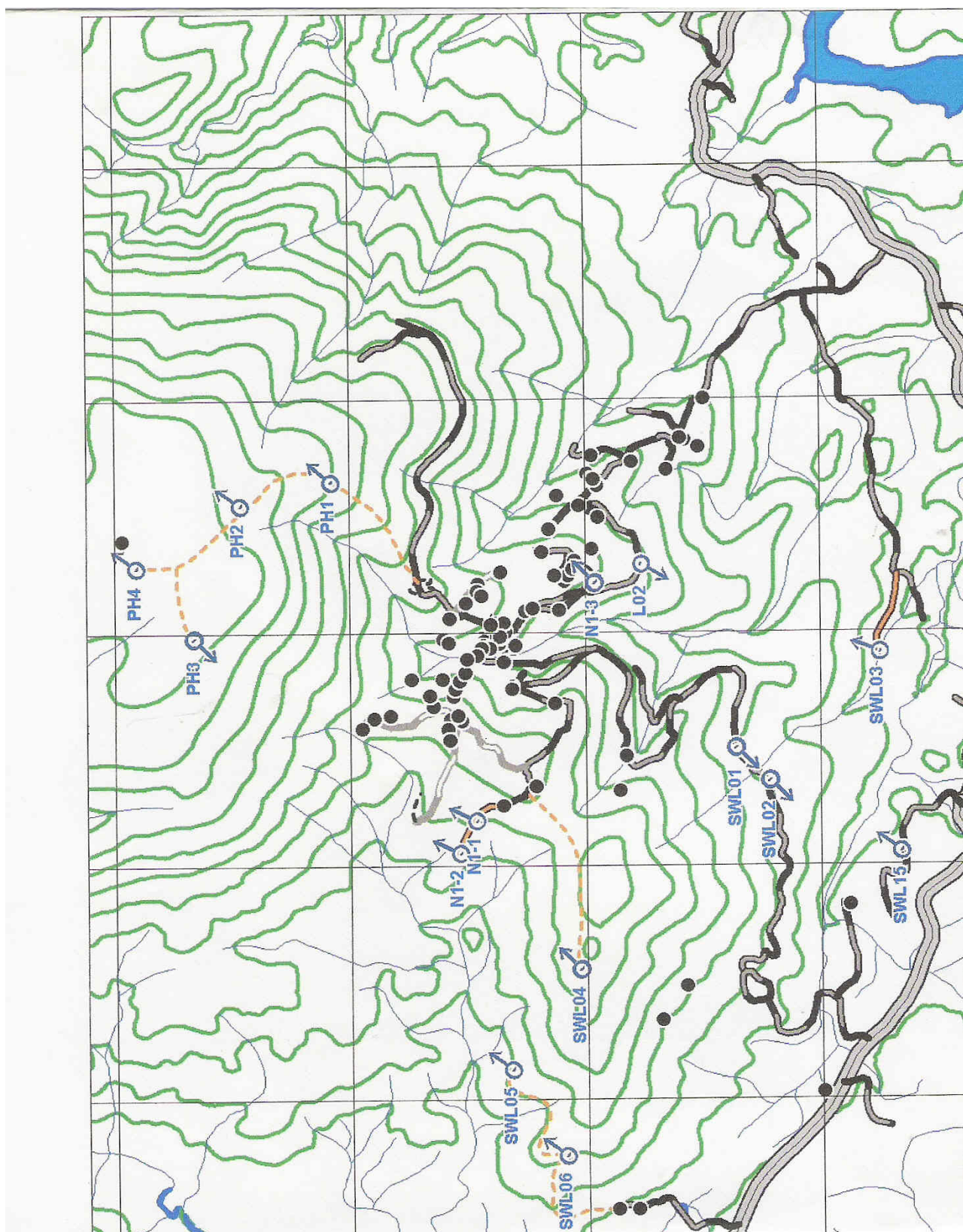
RMT

REFERENCES

1. DPIW Website www.naturalvaluesatlas.dpiw.tas.gov.au
2. Harris, Kitchener A. (2005) From Forest to Fjaeldmark, DPIW Tasmania
3. Harries C, (Ed) (2001) The Environmental Law Handbook
4. Garret M, (1996) The Ferns of Tasmania, Tasmanian Forest Research Council
5. Wapstra H, A & M, Gilfedder L, The Little Book of Common Names for Tasmanian Plants



MAP 1: Location of Study Area at Parsons Hood



MAP 2: SURVEY AREA AT PARSONS HOOD. SPOT REF: PH4: 361405E – 5383980N

BOTANICAL SURVEY: PARSONS HOOD PROSPECT FOR VENTURE MINERALS LTD

PHILIP MILNER LANDSCAPE CONSULTANT PTY LTD 2nd August 2008

MT LINDSAY EXPLORATION PROGRAM
PROPOSED DRILL SITES AT SOUTH-EAST CREEK
BOTANICAL & FAUNA HABITAT SURVEY
For VENTURE MINERALS LTD

24th May 2010



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A.B.N. No. 32 068 906 258

Introduction: Venture Minerals Ltd is extending their exploratory drilling program in the area of Mt Lindsay East which will involve the construction of a vehicular access track and the clearing of five drill pads adjacent to South-east Creek. The proposed track will commence from an existing vehicular track and accessed from an existing road known as Main Road East. The new track will extend along the creek for approximately 500 metres in order to provide access to each drill pad site.

A botanical and fauna habitat survey is required of each drill pad site and of the proposed route of the access track as part of the MRT license conditions to determine any likely impacts on threatened species or threatened vegetation communities.

Objectives: The objectives of this survey were to;

- Undertake a desktop survey to confirm the known biological records and the natural values present in the exploration target areas and in the vicinity.
- Undertake a field survey of the exploration target areas to observe and record the natural values present including the vegetation types and plant communities, the flora and in particular any threatened species, and the presence of any species of threatened fauna or of their potential habitat.
- Determine the possible impacts of the proposed exploration program on the natural values present and make recommendations on how those impacts can be minimized.

Location of Study Areas:



- South-east Creek Target Area, proposed drill site locations.
PSEC1: GRID REF: 361370E – 5382418N
PSEC2: GRID REF: 361395E – 5382342N
PSEC3: GRID REF: 361447E – 5382325N
PSEC4A: GRID REF: 361507E – 5382268N
PSEC5: GRID REF: 361656E – 5382110N

(All Grid References MGA Zone 55 GDA94)

Site Description: The proposed exploration program comprises five drill sites located on the mid slopes of Mt Lindsay East and along and adjacent to a 500 metre (approx) section of South-east Creek. South-east Creek is one of numerous small creeks in the locality which flow off Mt Lindsay in a south-easterly direction. Mt Lindsay is a large rainforest covered hill adjacent to Parsons Hood and within the catchment of the Pieman River, about 30km west of Tullah off the Reece Dam Road. The survey area is located in the eastern sector of the attached map.

Desktop Survey of Natural Values: The DPIW database “The Natural Values Atlas” was accessed for the known biological records of the locality and environs. Records of threatened species of flora and fauna known to occur within a 5,000 metre radius of the location were also accessed. Data sourced included the vegetation types and plant communities, the occurrence of any threatened vegetation communities, the recorded locations of any threatened species of plants and threatened fauna known or expected to occur in the vicinity.

REF POINT for South-east Creek / Mt Lindsay East area: PSEC3 361447E – 5382325N

Desktop Survey Results:

VEGETATION COMMUNITIES:

The following vegetation communities are mapped under the TasVeg mapping program as occurring within 1,000 metres of the study area reference points.

VEGETATION COMMUNITY	TasVeg Code / Map colour	EXTENT IN STUDY AREA
<i>Nothofagus – Atherosperma</i> Rainforest (undifferentiated)	RMU / Dark blue	The predominant community in both the Parsons Hood and News Creek survey areas
<i>Leptospermum</i> Scrub	SLW / pink with yellow horizontal lines	Outside of the 1,000 m radius

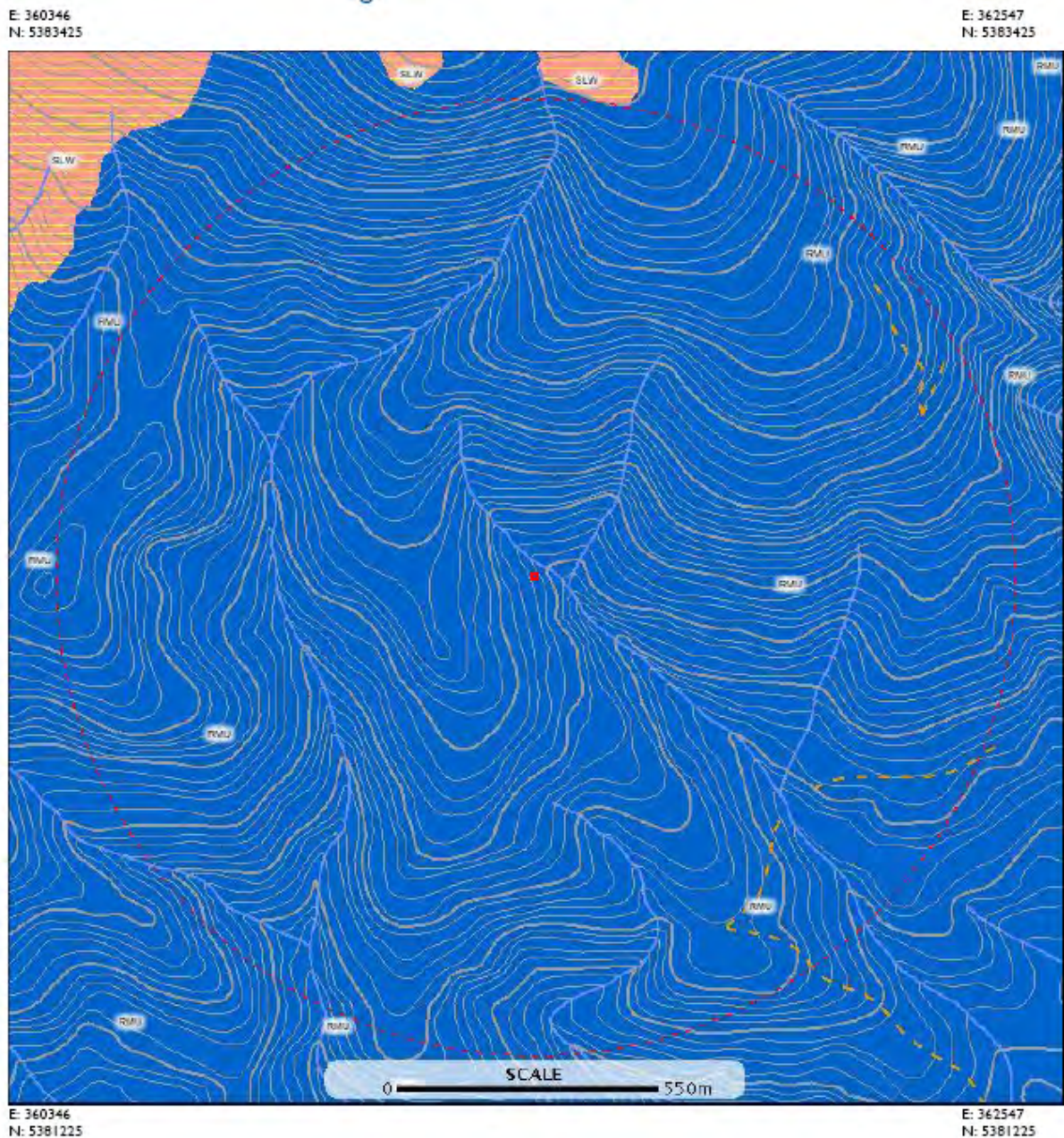


FIGURE 1: Vegetation communities as per TasVeg mapping program within 1,000 metres of South-east Creek Reference Point.

**CODE: RMU *Nothofagus / Atherosperma* Rainforest (undifferentiated)
SLW *Leptospermum* Scrub.**

THREATENED VEGETATION COMMUNITIES:

None of the vegetation communities as mapped in the study area are listed as threatened under the *Nature Conservation Act 2002*.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE

- *Nothofagus / Atherosperma* Rainforest is widespread in the west of the State however it is under-reserved in some regions and particularly so in its old-growth condition.
- *Leptospermum* Scrub is a widespread vegetation community in western Tasmania.

THREATENED FLORA:

No species of threatened flora listed under the Tasmanian *Threatened Species Conservation Act 1995* and /or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* are recorded on the Natural Values Atlas database as occurring within 500 metres of the study area reference point.

There are two species of threatened flora recorded on the database as occurring within 5,000 metres of the study area reference point.

- *Senecio vellioides*, Forest Groundsel. There is one record of the species from the Mt Lindsay area about 2,500 metres south-west of this location dated 1983. The species is listed as rare under the Tasmanian Act. It is a short lived perennial herb up to 2 metres in height which is found in moist places on hill slopes particularly after disturbance by fire. The species has been recorded in scattered locations across the state with key locations in this region being Tullah, Rosebery and the Arthur River Forest Reserve.
- *Micrantheum serpentinum*, the Western Trident Bush is listed as being rare under the Tasmanian Act and is restricted to areas of serpentine and ultramafic geology in western Tasmania. There are 8 records of this species in a localized area about 3,000 metres east of the target area.

THREATENED FAUNA:

There were no species of threatened fauna recorded on the database as occurring within 500 metres of the study area.

There are two species of threatened fauna which are recorded on the data base as occurring within 5,000 metres of the study area reference point.

- The Wedge-tailed Eagle, *Aquila audax ssp fleayii*. The Tasmanian subspecies is listed as endangered under both the Tasmanian and Commonwealth Acts. The species requires large trees within tracts of old-growth forest for successful nesting. No nest sites have been recorded in the Mt Lindsay / Parsons Hood area.
- *Sarcophilus harrisii* the Tasmania Devil has one record from about 1996. The species is now listed as being endangered under both State and Commonwealth Acts.
- **NOTE:** A separate targeted survey of potential Tasmanian Devil habitat within the study area was undertaken by others and does not form part of this report.

The following species of fauna which are listed under the State and/or Commonwealth Acts have potential to occur within the study area based on habitat mapping within the known geographical range of each.

- The White-bellied Sea-eagle, *Haliaeetus leucogaster* is considered to be vulnerable in Tasmania and is listed under the State Act. It can be found over inland waterways and rivers as well as around the coastline and could be observed around the nearby hydro impoundment.
- The White (Grey) Goshawk, *Accipiter novae-hollandiae*, is endangered in Tasmania and requires mature wet forest as habitat.
- The Masked Owl, *Tyto novae-hollandiae* ssp *castanops*. The Tasmanian subspecies is listed as endangered under the State Act. It requires large tree hollows for nesting and old-growth forest for its survival.
- The Azure Kingfisher, *Ceyx azurea* is endangered in Tasmania and is restricted to riparian habitat along western and north-western rivers.
- The Australian Grayling, *Prototroctes mareana* is a fish which is listed as being vulnerable under both State and Commonwealth Acts.

Field Survey:

Methodology: The field survey of each area was undertaken on foot and the five proposed drill sites adjacent to South-east Creek being accessed from the route for the proposed vehicular access track which begins from an existing track as shown on the attached map. From the starting point the track will follow the south-western bank of the creek in a north-westerly direction to access Sites 1 to 4 and then again extend for a short distance from the starting point in a south-easterly direction in order to access Site 5.

An area of approximately 50 metres diameter was surveyed around each drill site location.

Vascular plant species were recorded, vegetation communities were observed and cross-referenced with the TasVeg map sourced from the Natural Values Atlas database. Suitable habitat for threatened species of fauna was also observed.

The field survey was conducted on Thursday 13th May 2010.

Limitations: This survey was conducted in late autumn when most species of plants are past flowering. No botanical survey can guarantee that all flora will be observed and recorded in a single survey in one year due to seasonal and annual variation in abundance and the possible absence of flowers and fertile material for identification. Ephemeral species which may have been present includes species of orchids, lilies, herbs grasses and other graminoids. However all significant species known to occur in the study areas and their environs have been considered in this report.

Field Survey Results:

The survey area as a whole comprised of *Nothofagus* / *Atherosperma* Rainforest (RMT / RMU) which is the typical vegetation community over much of the Mt Lindsay / Parsons Hood area. There was some variation in the understorey vegetation in regard to species composition and density and with proximity to the creek compared to upslope. Mature and/or old-growth trees of mainly *Nothofagus cunninghamii* were present but tended to be occasional and widely spaced with younger semi-mature trees of both Myrtle and Sassafras being predominant. There were

numerous logs along the route of the access track including a few large old Myrtles from previous wind-falls which were in varying stages of decay, indicating that individual trees fell at widely spaced time intervals.

DRILL PAD SITES:

PSEC1: GRID REF: 361370E – 5382418N: is located at the north-western end of this target area and is located within 15 metres of the creek on an area of relatively gently sloping ground. *Atherosperma moschata* the Sassafras tended to be the dominant tree species in this location.

5 semi-mature trees were noted within a 50 metre radius of the site, and a number of fern species comprised the ground layer vegetation including the Lady Fern *Diplazium australe*. The understorey was quite open with just a few saplings of rainforest tree species such as Leatherwood and Myrtle.

PSEC2: GRID REF: 361395E – 5382342N:

PSEC3: GRID REF: 361447E – 5382325N:

These two drill pad sites are located in relative proximity to each other with Site 2 being further upslope than 3. The landform was steeply sloping down to the creek-line.

There were a number of mature Myrtle trees in proximity to PSEC2 including two, one of which was a dead standing tree, with active dens in the hollow bases of Spotted-tailed Quolls. Both trees were plotted as QO1: GRID REF: 361409E – 5382322N and QO2: GRID REF: 361391E – 5382322N. Disturbance in the vicinity of these trees should be avoided and some repositioning of the nearest drill pad site may be necessary. A down-slope track route would also avoid these trees.

There was a further group of four mature old-growth Myrtles in the vicinity of GRID REF: 361483E – 5382307N and a further very large individual old-growth Myrtle at GRID REF: 361492E – 5382279N. The track alignment and construction, and clearing for the two drill pads should endeavour to keep excavations well clear of these trees.

The area was heavily shaded by the tree canopy which limited the understorey vegetation including species of fern of which there were very few in the ground layer.

PSEC4: GRID REF: 361057E – 5382268N:

This drill pad site is located about 50 metres above the creek-line and this was also a steeply sloping location. No mature trees were observed in its vicinity however it was heavily shaded by the surrounding tree canopy. Horizontal *Anodopetalum biglandulosum* was predominant in the understorey of this location but there were few ferns in the ground layer.

PSEC5: GRID REF: 361656E – 5382110N: The proposed track extends south-eastwards from the starting point for about 100 metres to access this drill pad site. It is located on a wetter but relatively level site about 30 metres from the creek.

Three semi-mature Myrtle trees were observed within 30 metres of the drill pad site.

One mature tree of Myrtle was observed about 50 metres beyond (south-east) of the site, however it will not be impacted by any works associated with the exploration program.

The location was relatively open and the higher light levels resulting in a greater diversity of ferns, including mature Treeferns *Dicksonia antarctica*, and other woody species such as Tasmanian Laurel *Anopterus glandulosus*, and Leatherwood *Eucryphia lucida*.

ACCESS TRACK: Construction of a new vehicular track to access each drill site.

The survey determined that the track route which would have least impact on the mature trees and the identified fauna habitat would be along the lower slopes above and roughly parallel to the creek. The slope is generally less in this location which means that less cut and fill would be required to form the benching for the track. There should also be sufficient fallen logs along the route which can be utilized as barriers to prevent fill from falling into the creek itself.

THREATENED VEGETATION COMMUNITIES: No vegetation community listed under the *Tasmanian Nature Conservation Act 2002* was observed during the field survey.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE: No vegetation community of conservation significance was present in the survey area, however old-growth trees of Myrtle *Nothofagus cunninghamii* formed a component of the canopy vegetation.

THREATENED FLORA: No plant species listed under the *Tasmanian Threatened Species Protection Act 1995* and/or the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* was observed or recorded during the field survey.

Senecio vellioides is more likely to be observed as a component of post fire regrowth vegetation. *Micrantheum serpentinum* is a serpentine endemic and as the locality is not of ultramafic geology the species was not present. It is also not a species of rainforest vegetation.

FLORA OF CONSERVATION SIGNIFICANCE: Non-threatened flora of interest which was observed during the field survey included the Lady Fern, *Diplazium australe*.

The mature old-growth trees of Myrtle *Nothofagus cunninghamii* which occurred within and adjacent to the study area are of conservation significance on the basis of their age and longevity and as potential fauna habitat.

THREATENED FAUNA: No species of threatened fauna listed under the above State or Commonwealth Acts were observed during the field survey.

THREATENED FAUNA HABITAT: Potential habitat for threatened species of fauna was observed with the large old-growth trees of *Nothofagus cunninghamii* which possessed hollows at the base of the trunk. A separate survey undertaken by others and targeting Tasmanian Devils identified a number of such hollows as Spotted-tailed Quoll dens, a species which is listed as being rare under the *Tasmanian Act* and vulnerable under the *Commonwealth Act*.

FAUNA OF CONSERVATION SIGNIFICANCE: No non-threatened fauna of conservation significance was observed during the field survey.

ENVIRONMENTAL WEEDS: No environmental weeds were observed within the areas covered by this field survey.

PHYTOPHTHORA: There was no symptomatic field evidence observed of the root pathogen *Phytophthora cinnamomi* during this field survey.

Recommendations:

VEGETATION COMMUNITIES:

- Limit clearing for each drill pad to the minimum specification for safe access in order to minimize environmental impact to the surrounding forest, and limit the amount of benching and excavation required.
- Site drill pads in order avoid the mature old-growth Myrtles identified in this report and in particular trees identified as being threatened fauna habitat.
- Apply the principle of removing younger regrowth trees before mature or old-growth trees.

PROPOSED ACCESS TRACK:

- The preferred route for the proposed access track is along the lower slopes, just above the creek-line in order to avoid mature trees and threatened fauna habitat.
- Limit clearing, excavations and benching to the minimum specification in order to minimize environmental impact to the surrounding forest and the adjacent creek-line.

THREATENED VEGETATION COMMUNITIES:

No threatened vegetation community was observed during the field survey and no specific action is required.

THREATENED FLORA:

No species of threatened flora was observed or recorded during the field survey and no specific action is required.

FLORA OF CONSERVATION SIGNIFICANCE:

The large mature old-growth *Nothofagus cunninghamii* which occur over much of Mt Lindsay are considered to have some conservation significance.

- Falling of such trees should be avoided wherever possible in this target area.

THREATENED FAUNA:

No species of threatened fauna was observed during the field survey although there was evidence of the presence of Spotted-tailed Quolls.

Note recommendation under threatened fauna habitat.

THREATENED FAUNA HABITAT:

Evidence of Spotted-tailed Quoll dens was observed during the Tasmanian Devil survey (which was undertaken by others) at the base of the old-growth trees referenced near PSEC2 and PSEC3.

- The trees identified and flagged as Spotted-tailed Quoll habitat should not be impacted by the exploration and excavation activities. The access track and the nearby drill pads should be located down-slope of these trees.

ENVIRONMENTAL WEEDS:

- No weeds were observed during the survey, however preventative measure should be put in place such as the wash-down of machinery and equipment to avoid the introduction of soil borne weed seeds to the locality.

PHYTOPHTHORA:

- Although rainforest communities are not considered to be susceptible to infection by the pathogen Phytophthora it is still important that accepted protocols in regard to hygiene and washdown procedures for machinery and equipment, including the drill rig itself are followed, to ensure that the pathogen is not introduced to the drill sites by way of extraneous soil, mud and gravel adhered to tyres, workboots and equipment.

Philip Milner

Vegetation Consultant

Appendix 1:Vegetation Communities and Species Recorded**1. *Nothofagus* – *Atherosperma* Rainforest (TasVeg Code RMT/ RMU)**

DOMINANT TREE	COMMON NAME	FREQUENCY
<i>Nothofagus cunninghamii</i>	Myrtle	very common
CO-DOMINANT TREE		
<i>Atherosperma moschatum</i>	Sassafras	common
SECONDARY TREE		
<i>Eucryphia lucida</i>	Leatherwood	frequent
UNDERSTOREY TREES AND TALL SHRUBS		
<i>Anodopetalum biglandulosum</i>	Horizontal	common
<i>Anopterus glandulosus</i>	Laurel	occasional
MEDIUM SHRUBS		
<i>Coprosma quadrifida</i>	Native Currant	uncommon
HERBS		
<i>Hydrocotyle hirta</i>	Hairy Pennywort	occasional
GRASSES AND GRAMINOIDS		
<i>Libertia pulchella</i>	Pretty Grassflag	uncommon
FERNS & ALLIED PLANTS		
<i>Dicksonia antarctica</i>	Soft Treefern	frequent
<i>Diplazium austral</i>	Lady Fern	occasional
<i>Grammitis billardiarei</i>	Common Fingerfern	frequent
<i>Histiopteris incisa</i>	Bat's wing Fern	occasional
<i>Hypolepis rugulosus</i>	Ruddy Groundfern	occasional
<i>Microsorium pustulatum</i>	Kangaroo Fern	occasional
<i>Polystichum proliferum</i>	Mother Shieldfern	common
<i>Rumohra adiantiformis</i>	Leathery Shieldfern	occasional
<i>Sticherus tener</i>	Umbrella Fern	uncommon

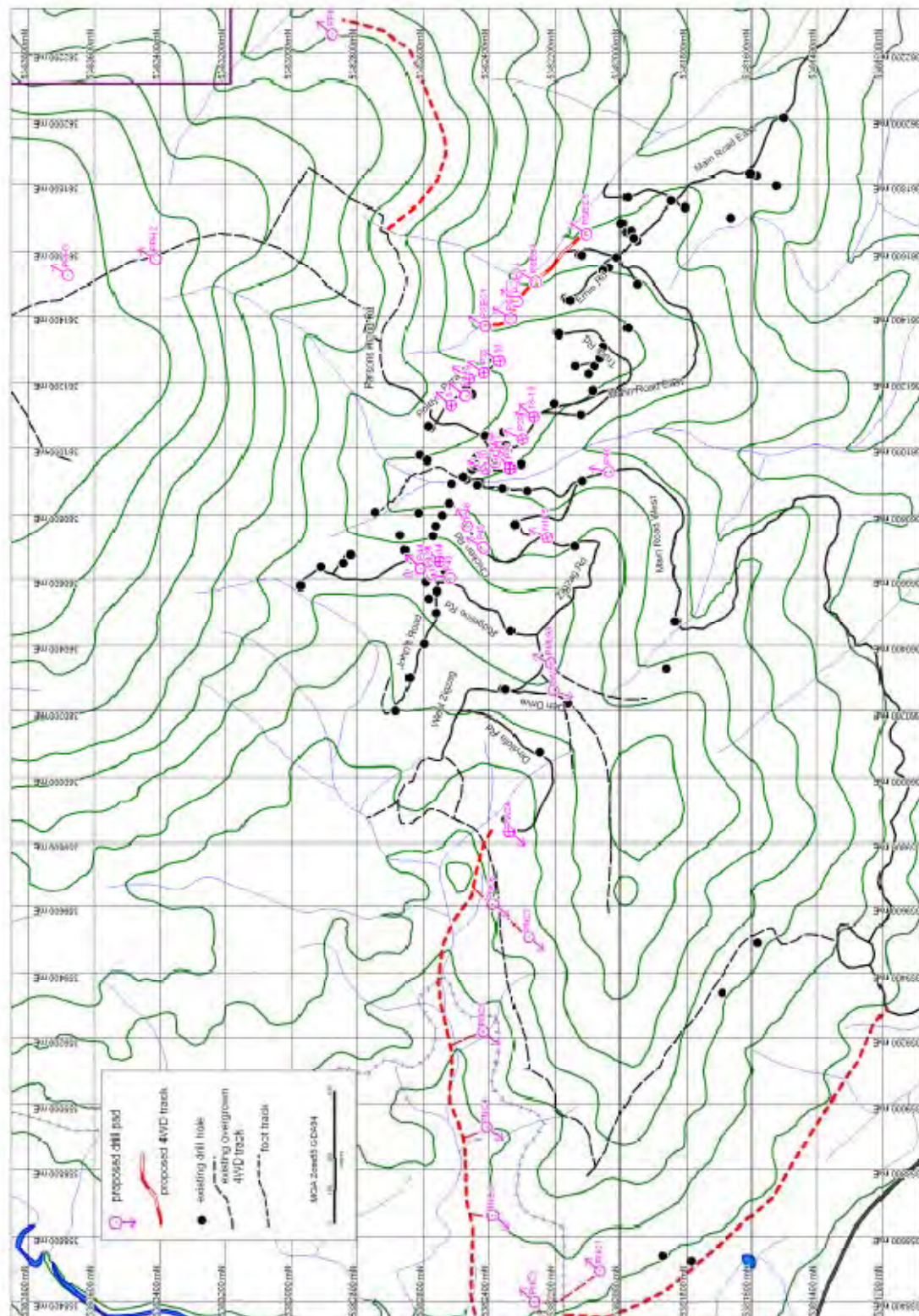




PHOTO 1. South-east Creek *Nothofagus- Atherosperma* Rainforest



PHOTO 2. South-east Creek



PHOTO 3. South-east Creek Looking down onto the creek-line



PHOTO 4. South-east Creek in vicinity of PSEC5

STANLEY REWARD EXPLORATION PROGRAM EL21/2005

PROPOSED DRILL SITES NEAR STANLEY RIVER

BOTANICAL SURVEY

FOR VENTURE MINERALS LTD

15th January 2010



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A.B.N.No. 32 068 906 258

1. Introduction: Venture Minerals Ltd is undertaking a further exploratory drilling program within the Stanley Reward prospect EL21/2005 which will involve four drill sites adjacent to the Stanley River. The work program will involve the clearing of a drill pad at each site. The method of access to the sites is yet to be determined and may involve the development of a vehicular track as an extension from the Livingstone Creek target area or by helicopter. A flora survey is required as part of the MRT license conditions to determine any likely impacts on the vegetation, on threatened species or threatened vegetation communities within the target areas.

2. Objectives: The objectives of this survey were to;

- Undertake a desktop survey to confirm the known biological records and the natural values which may be present in the exploration target area or in the vicinity.
- Undertake a field survey of the exploration target area to observe and record the natural values present, including the vegetation types and plant communities, the flora and in particular and threatened species, and the presence of any species of threatened fauna or of potential habitat.
- Determine the possible impacts of the proposed exploration program on the natural values present and make recommendations on how those impacts can be minimized.

3. Location of Study Area: The four proposed drill sites are located to the immediate west of the Stanley River and within the catchment of the Pieman River, west of Mt Lindsay and within the Meridith Range Regional Reserve and in the West Bioregion of the state.

PRW3..... GRID REF: 357855E – 5382365N

PRW4 GRID REF: 357907E – 5382347N

PRW5 GRID REF: 357938E – 5382309N

PRW6 GRID REF: 358057E – 5382274N

MGA Zone 55 GDA94

4. Site Description: The exploration target area is located to the immediate west of the Stanley River and in the vicinity of a minor creek-line which runs parallel to and along the valley of Livingstone Creek just above its confluence with the Stanley River. Most of the area is low lying and poorly drained as the valley floor of the Stanley River and Livingstone Creek. The area is largely composed of alluvium of varying ages and times of deposition.

There is evidence of past mineral exploration activities in the location including two drill sites currently underway by Venture Minerals which were the subject of a previous botanical survey in July 2009. There is also evidence of a previous bushfire in the locality, probably about 25 to 30 years ago.

5. Desktop Survey of Natural Values: The DPIW database “The Natural Values Atlas” was accessed for the known biological records of the locality and environs. Records of threatened species known to occur within a 5,000 metre radius of the location were also accessed. Data sourced included the vegetation types and plant communities, the occurrence of any threatened vegetation communities, the locations of any threatened species of plants, and threatened fauna known or expected to occur in the vicinity.

6. Desktop Survey Results:

VEGETATION COMMUNITIES: The following vegetation communities are mapped under the TasVeg mapping program as occurring within 500 metres of the study area reference point.

VEGETATION COMMUNITY	TasVeg Code/ Map Colour	EXTENT IN STUDY AREA
<i>Nothofagus_ Phyllocladus</i> Short Rainforest (undifferentiated)	RMS / RMU / dark blue	The most extensive community in the locality.
<i>Lagarostrobos franklinii</i> Rainforest & Scrub	RHP / dark blue with diagonal lines	Along the river and streams and areas of alluvium
Buttongrass Moorland (undifferentiated)	MBU / yellow with diagonal lines	Along valley floor in western half of locality
<i>Eucalyptus nitida</i> Wet Forest (undifferentiated)	WNU / bright blue with vertical lines	Small area on northern edge of study area
<i>Eucalyptus obliqua</i> Wet Forest (undifferentiated)	WOU / pale blue	Small area on north-east edge of study area
Extra-urban miscellaneous	FUM / Yellow/green with "z"	Denotes disturbed areas of vegetation

THREATENED VEGETATION COMMUNITIES:

None of the above communities are listed as threatened under the Tasmanian *Nature Conservation Act 2002*.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE:

- *Nothofagus – Phyllocladus* Short Rainforest is considered to be well reserved however in its old-growth form it is considered to be under-reserved in some regions of the state.
- *Lagarostrobos franklinii* Rainforest and Scrub community is considered to be under-reserved in Tasmania and it is being targeted under the RFA for further reservation.
- *Eucalyptus nitida* Wet Forest is well reserved in Tasmania, however it is under-reserved in some regions of the state in its old-growth condition. Old-growth forest of this type is being targeted under the RFA for further reservation.
- *Eucalyptus obliqua* Wet Forest is under-reserved in some areas of the state including in its old-growth form. Further reservation of this forest community is required under the RFA.

TasVeg communities within 500 metres

E: 357500
N: 5382800

E: 358699
N: 5382800

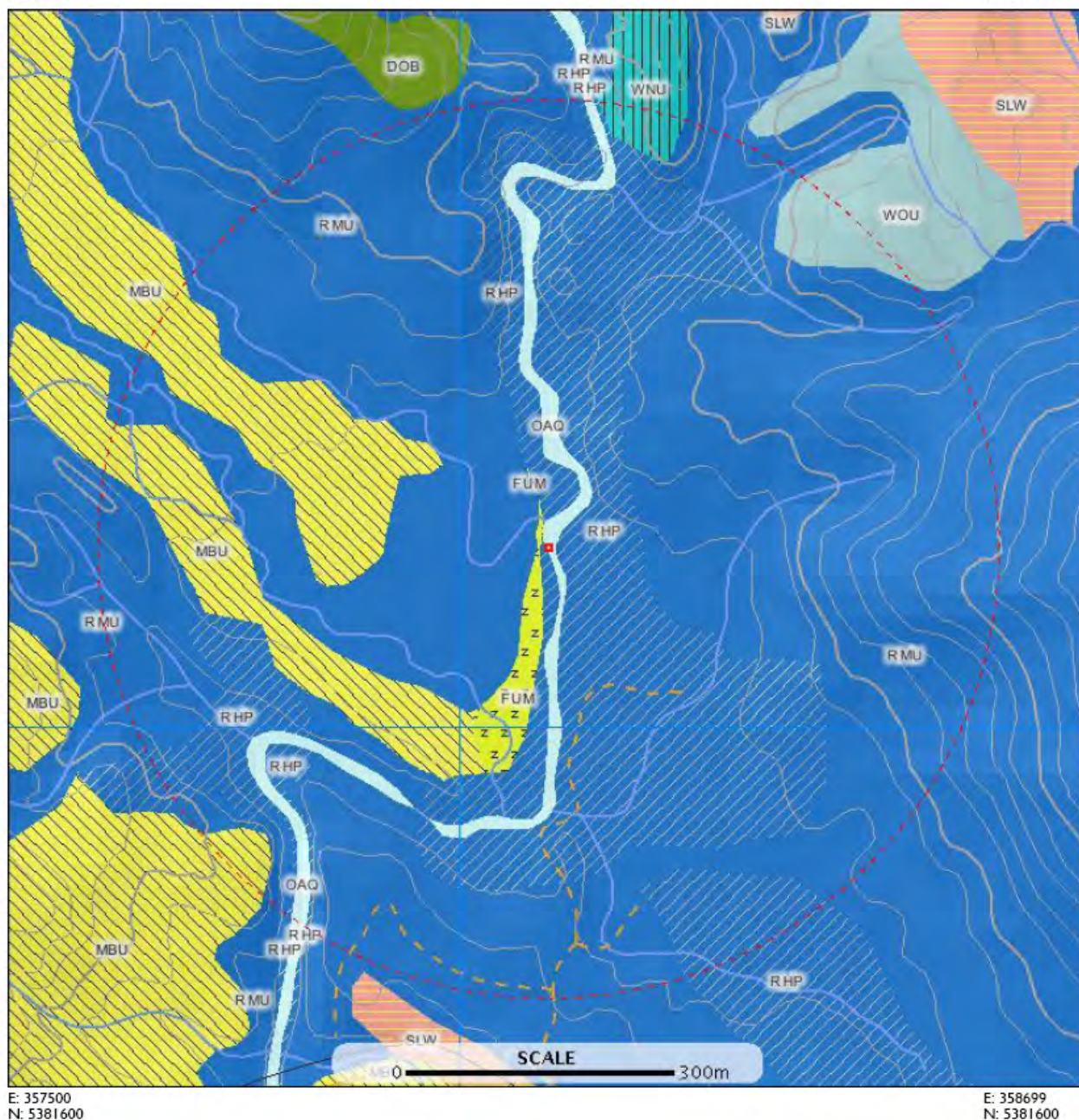


FIGURE 1: Vegetation communities as per TasVeg mapping program within 500 metres of study area reference point.

Code: RMU... *Nothofagus- Phyllocladus* Short Rainforest (undifferentiated)

RHP ... *Lagarostrobos franklinii* Rainforest & Scrub

MBU ... Buttongrass Moorland (undifferentiated)

WNU ... *Eucalyptus nitida* Wet Forest (undifferentiated)

WOU*Eucalyptus obliqua* Wet Forest (undifferentiated)

FUM ... Disturbed vegetation

7. Field Survey:

Methodology: The field survey was undertaken on foot and focused on the four locations targeted for proposed drill sites PRW3, PRW4, PRW5 and PRW6 which are located to the immediate west of the Stanley River. Each location was accessed from the most likely route for a proposed vehicular track should that method of access be decided on.

An area of approximately 100 metres diameter was surveyed around each drill site location.

Vascular plant species were recorded, vegetation communities were observed and cross-referenced with the TasVeg map sourced from the Natural Values Atlas data base. Suitable habitat for threatened species of fauna was also observed.

The survey was conducted on Tuesday 15th January 2010.

Limitations: The survey was conducted in summer when many species of plants are flowering however no botanical survey can guarantee that all flora will be observed and recorded in a single survey in any one year due to seasonal and annual variation in abundance and the possible absence of flowers and fertile material needed for identification. Ephemeral species which may have been present includes species of orchids, lilies, herbs, grasses and other graminoids. However all significant species known to occur in the study area and its environs have been considered in this report.

8. Field Survey Results:

VEGETATION COMMUNITIES: The vegetation communities observed along the flagged route from the end of the formed vehicular track and towards the proposed drill sites was largely Western Buttongrass Moorland (MBW) with adjoining patches of *Leptospermum* Scrub (SLW) along the creek and drainage lines. This is the most likely route if a vehicular access track was developed as part of this exploration program.

Proposed drill pad sites **PRW3** at GRID REF: 357855E – 5382365N, site **PRW4** at GRID REF: 357907E – 5382347N and site **PRW5** at GRID REF: 357938E – 5382309N are each located within the area of Western Buttongrass Moorland but close to the margin of the *Leptospermum* Scrub community which lines and follows the minor creek-line. The interface between the two communities typically shows an increase in height and density of species of *Leptospermum* and *Melaleuca* and a corresponding decrease in the cover of Buttongrass with the greater shading of the shrubby canopy. Both communities are widespread, no significant species of plants were observed and the clearing of the three drill pad sites will have only a localized and minor impact. Care should be taken however when clearing the drill pads to retain a vegetation buffer of at least 10 metres between the edge of the drill pad clearing and the adjacent minor creek-line. Precautions should also be taken to ensure that silt and sediment resulting from the drilling program does not flow into the creek.

The propose drill site **PRW6**, GRID REF: 358057E – 5382274N is located on a low lying section of the flood plain about 50 metres from the Stanley River adjacent to the minor creek-line and its confluence with the Stanley River. The proposed pad site is located near a natural clearing which has a ground layer of the Fishbone Waterfern *Blechnum nudum* and close to one of the drill sites currently being drilled. The surrounding vegetation community fits within the definition of *Leptospermum* with Rainforest Scrub (RLS) rather than the rainforest communities RMU or RHP as mapped under TasVeg. The community has a closed canopy of *Leptospermum lanigerum* about 5 to 6 metres in height, an understorey of rainforest and wet forest species and with emergent trees of *Eucalyptus nitida*. Two relatively mature emergent *Eucalyptus nitida* were observed within 100 metres of the proposed PRW6 drill pad.

The clearing for this drill pad site will have a minor impact on the vegetation in the locality providing the nearby larger *Eucalyptus nitida* are retained and that any siltation and sedimentation from the drilling operation is contained within the drill pad site.

The vegetation in this community is likely to have been induced by a previous bushfire but has the potential to develop over time into a forest dominated by the rainforest species present. *Leptospermum* with Rainforest Scrub (RLS) is a community which is widespread in the western half of Tasmania.

THREATENED VEGETATION COMMUNITIES: No community listed under the Tasmanian *Nature Conservation Act 2002* was observed during the field survey.

VEGETATION COMMUNITY OF CONSERVATION SIGNIFICANCE: Huon Pine Rainforest, *Lagarostrobos franklinii* Rainforest & Scrub occurs along the Stanley River however the community was not present in the areas surveyed.

THREATENED FLORA: No plant species listed under the Tasmanian *Threatened Species Conservation Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed or recorded during the field survey.

FLORA OF CONSERVATION SIGNIFICANCE: No mature or old-growth trees of Huon Pine *Lagarostrobos franklinii*, were observed or recorded during the field survey and no old-growth Eucalypt trees were observed within or adjacent to each of the proposed drill sites.

THREATENED FAUNA: No species of threatened fauna listed under the State or Commonwealth Acts was observed during the field survey.

THREATENED FAUNA HABITAT: Potential habitat such as old-growth forest, large mature trees or trees with large hollows for species such as the Wedge-tailed Eagle, Masked Owl and White (Grey) Goshawk was not observed or present in the survey area

No suitable habitat was observed for the White-bellied Sea-eagle although it may be present over the nearby Pieman River hydro impoundments.

Suitable habitat for the Azure Kingfisher is present along the Stanley River however the proposed drilling program will not impact of the riverbank vegetation. The Stanley River may also provide suitable habitat for the Australian Grayling.

ENVIRONMENTAL WEEDS: No species of environmental weeds were observed during the field survey.

PHYTOPHTHORA: There was no symptomatic field evidence of the presence of the root pathogen *Phytophthora cinnamoni* within the area covered by the survey.

9. Survey Conclusions:

No vegetation community listed as threatened under the Tasmanian *Nature Conservation Act 2002* was observed during the survey.

No vegetation community of conservation significance such as *Lagarostrobos franklinii* Rainforest or old-growth Eucalypt communities were present in the survey area.

No species of flora which is listed under the Tasmanian *Threatened Species Conservation Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed during the field survey.

No species of threatened fauna listed under the above threatened species Acts was observed during the field survey.

The proposed exploration program will not impact on potential habitat for any species of threatened fauna which has the potential to occur in the locality.

No environmental weeds were observed during the field survey.

No evidence of Phytophthora infection was observed in the survey area.

10. Recommendations:

VEGETATION COMMUNITIES: Limit clearing for each drill pad to the minimum specification for safe helicopter access in order to minimize environmental impact to the surrounding vegetation should that method of access be used. If a vehicular access track is to be constructed locate along existing or old track routes wherever possible and locate within buttongrass moorland in preference to treed habitats, and avoid creek-lines and drainage ways as much as possible. Retain a vegetation buffer of a minimum of 10 metres between the edge of drill pad clearings and creek-lines. Ensure the containment of silt and sediment resulting from the drilling operation and prevent from flowing into adjacent creeks and drainage-lines.

THREATENED VEGETATION COMMUNITIES: No threatened vegetation community was observed during the field survey and no specific action is required.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE: No Huon Pine Rainforest community was present in the area surveyed and no action is required.

THREATENED FLORA: No species of threatened flora was observed or recorded during the field survey and no specific action is required.

FLORA OF CONSERVATION SIGNIFICANCE: No mature or old-growth Huon Pines or Eucalypts were present in the areas surveyed and no action is required.

THREATENED FAUNA: No species of threatened fauna was observed during the field survey and no specific action is required.

THREATENED FAUNA HABITAT: No potential habitat for the threatened species referred to in this report was observed during the field survey and no specific action is required.

ENVIRONMENTAL WEEDS: No environmental weeds were observed during the field survey and in order to prevent the inadvertent introduction of such weeds wash-down procedures should be followed of all vehicles, machinery and equipment before entering the site to remove any soil, mud or gravel which could contain soil borne weed seeds.

PHYTOPHTHORA: Follow accepted protocols in regard to hygiene and wash-down procedures for machinery, equipment and vehicles, including the drill rig, to ensure that the pathogen is not inadvertently introduced to these work sites, by way of extraneous soil, mud or gravel adhered to tyres, work-boots and equipment..

Philip Milner

Vegetation Consultant

APPENDIX 1: Vegetation Communities and Species Recorded**1. *Leptospermum* with Rainforest Scrub (TasVeg Code RLS)**

The community observed in the vicinity of proposed drill site PRW6 was characterized by a closed canopy of *Leptospermum lanigerum* about 5 to 6 metres high, with an occasional emergent tree of *Acacia melanoxylon* and *Eucalyptus nitida* and with an open understorey composed of regrowth trees of a large diversity of rainforest and wet forest species.

This community may be in a rainforest regrowth phase following a previous bushfire and has the potential in the absence of further fire to once again over time develop into a pure rainforest community.

Facies of this community are found throughout rainforest communities across Tasmania, but it mainly occurs in the western half of the State.

DOMINANT CANOPY TREES	COMMON NAME	FREQUENCY
<i>Leptospermum lanigerum</i>	Woolly Teatree	abundant
EMERGENT TREES		
<i>Acacia melanoxylon</i>	Blackwood	occasional
<i>Eucalyptus nitida</i>	Western Peppermint	occasional
UNDERSTOREY SMALL TREES / LARGE SHRUBS		
<i>Acacia mucronata</i>	Caterpillar Wattle	occasional
<i>Eucryphia lucida</i>	Leatherwood	occasional
<i>Lagarostrobos franklinii</i>	Huon Pine	occasional (sapling x2)
<i>Melaleuca squarrosa</i>	Scented Paperbark	occasional
<i>Nothofagus cunninghamii</i>	Myrtle	occasional
<i>Phyllocladus asplenifolius</i>	Celery-top Pine	occasional
<i>Pittosporum bicolor</i>	Cheesewood	occasional
MEDIUM SHRUBS		
<i>Anopterus glandulosa</i>	Tasmanian Laurel	occasional
<i>Cenarrhenes nitida</i>	Native Plum	occasional
<i>Nematolepis squamea</i>	Satinwood	occasional
<i>Telopea truncata</i>	Waratah	occasional
SMALL SHRUBS		
<i>Bauera rubioides</i>	Wiry Bauera	common
CLIMBERS		
<i>Clematis aristata</i>	Native Clematis	uncommon
GRASSES & GRAMINOIDS		
<i>Baloskion tetraphyllum</i>	Tassel Cordrush	common
<i>Gahnia grandis</i>	Cutting Grass	occasional

APPENDIX 1 (cont)

Leptospermum with Rainforest Scrub (RLS)

FERNS & ALLIED PLANTS

<i>Blechnum nudum</i>	Fishbone Waterfern	very common
<i>Blechnum wattsii</i>	Hard Waterfern	occasional
<i>Dicksonia antarctica</i>	Soft Treefern	occasional
<i>Gleichenia dicarpa</i>	Pouched Corallfern	occasional
<i>Histiopteris incisa</i>	Bats-wing fern	occasional
<i>Pteridium esculentum</i>	Bracken	occasional
<i>Sticherus tener</i>	Umbrella Fern	uncommon

2. Western Buttongrass Moorland (TasVeg Code MBW)

This is a largely treeless community which follows the valley floor and although buttongrass is the predominant ground layer it comprises less than 30% of the total cover with shrubby species up to 2 metres tall comprising the balance. The community is relatively uniform in this location although it becomes a closed scrub community dominated by *Leptospermum spp.* and with emergent Eucalypts alongside creeks and drainage lines within the valley.

Drill sites PRW3, PRW4 and PRW5 are located within or around the periphery of this community. It is also the community through which the proposed access route would pass.

Western Buttongrass Moorland is a widespread vegetation community in western Tasmania.

EMERGENT TREES	COMMON NAME	FREQUENCY
<i>Eucalyptus nitida</i>	Western Peppermint	occasional
LARGE SHRUBS		
<i>Banksia marginata</i>	Silver Banksia	occasional
MEDIUM SHRUBS		
<i>Baeckea leptocaulis</i>	Slender Heathmyrtle	uncommon
<i>Dillwynia glaberrima</i>	Smooth Parrotpea	common
<i>Leptospermum nitidum</i>	Shiny Teatree	abundant
<i>Melaleuca squamea</i>	Swamp Honeymyrtle	very common
<i>Sprengelia incarnata</i>	Pink Swampheath	very common
SMALL SHRUBS		
<i>Bauera rubioides</i>	Wiry Bauera	common
<i>Comesperma calymega</i>	Bluespike Milkwort	uncommon
<i>Pimelea linifolia</i>	Slender Riceflower	uncommon
HERBS		
<i>Drosera binata</i>	Forked Sundew	uncommon
<i>Stylidium graminifolium</i>	Triggerplant	occasional
<i>Utricularia dichotoma</i>	Fairies Aprons	occasional
<i>Utricularia lateriflora</i>	Tiny Bladderwort	uncommon

APPENDIX 1 (cont)

Western Buttongrass Moorland (MBW)

GRASSES & GRAMINOIDS

<i>Empodisma minus</i>	Spreading Roperush	occasional
<i>Gahnia grandis</i>	Cutting-grass	occasional
<i>Gymnoschoenus sphaerocephalus</i>	Buttongrass	abundant
<i>Leptocarpus tenax</i>	Slender Twinerush	common
<i>Patersonia fragilis</i>	Shortleaf Purpleflag	common
<i>Xyris muelleri</i>	Roundhead Yellow-eye	common

FERNS & ALLIED PLANTS

<i>Gleichenia dicarpa</i>	Pouched Corallfern	occasional
<i>Selaginella uliginosa</i>	Swamp Spikemoss	occasional

3. *Leptospermum* Scrub (TasVeg Code SLW)

This community occurred along creek and drainage lines and around the periphery of the Buttongrass Moorland and the *Leptospermum* with Rainforest Scrub community. This community has a lower diversity of species than either of the adjoining communities. It is a widespread community in western Tasmania.

EMERGENT TREES

<i>Eucalyptus nitida</i>	Western Peppermint	common

CANOPY TREES & LARGE SHRUBS

<i>Acacia melanoxylon</i>	Blackwood	occasional
<i>Acacia mucronata</i>	Caterpillar Wattle	common
<i>Leptospermum lanigerum</i>	Woolly Teatree	abundant
<i>Leptospermum scoparium</i>	Manuka	very common
<i>Melaleuca squarrosa</i>	Scented Paperbark	common

MEDIUM SHRUBS

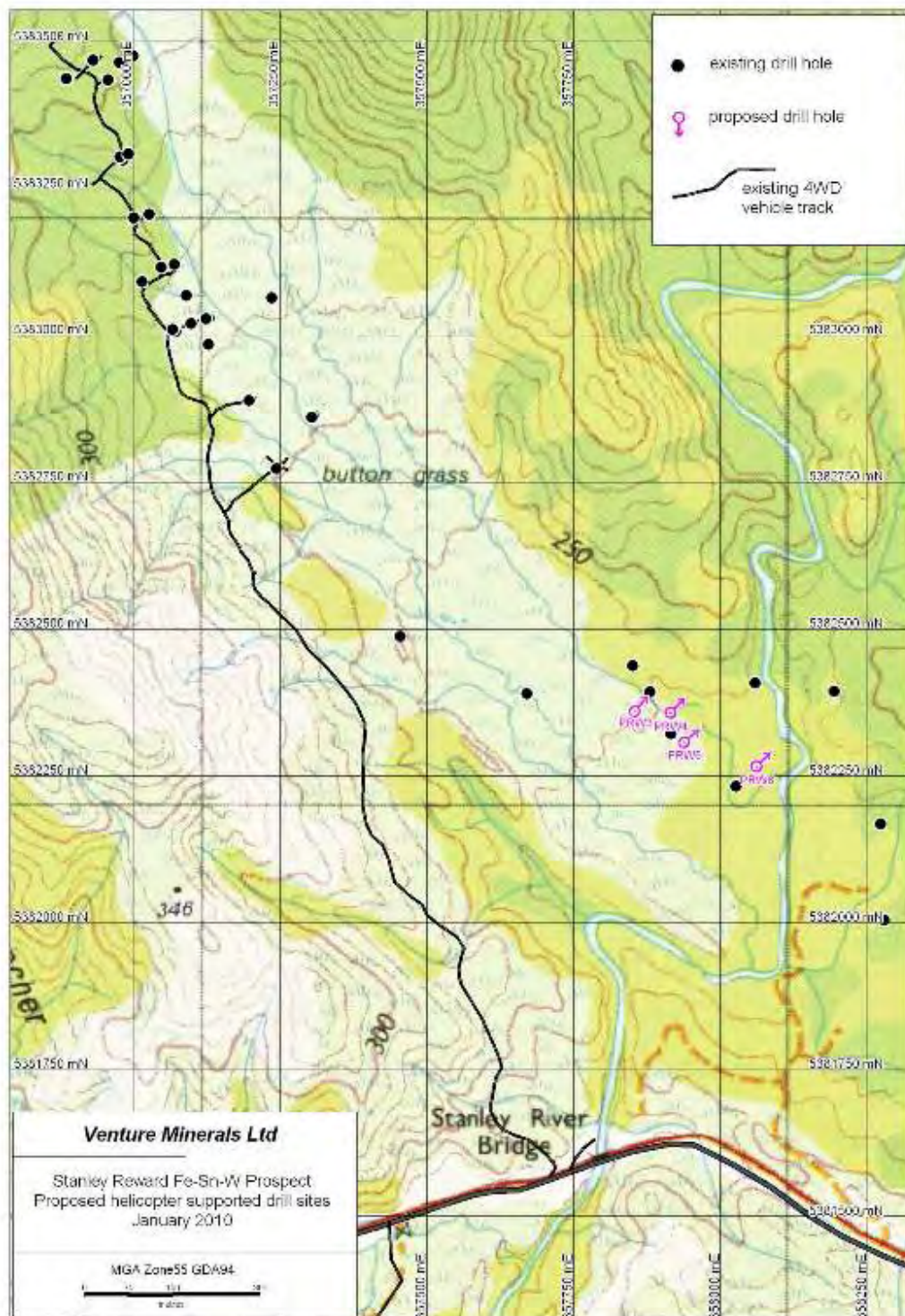
<i>Bauera rubioides</i>	Wiry Bauera	common

GRASSES & GRAMINOIDS

<i>Baloskion tetraphyllum</i>	Tassel Cordrush	common
<i>Gahnia grandis</i>	Cutting-grass	occasional

FERNS & ALLIED PLANTS

<i>Gleichenia dicarpa</i>	Pouched Corallfern	occasional
<i>Sticherus tener</i>	Silky Fanfern	uncommon



MAP 1: Stanley Reward Target Area showing proposed drill sites in pink, PRW3, PRW4, PRW5 & PRW6.



PHOTO 1. Western Buttongrass Moorland near PRW3



PHOTO 2. Western Buttongrass Moorland along valley floor of Livingstone Creek.



PHOTO 3. Interface between Western Buttongrass Moorland and *Leptospermum* Scrub community along minor creek-line.



PHOTO 4. *Leptospermum* with Rainforest Scrub community near PRW6.

**STANLEY REWARD EXPLORATION PROGRAM EL21/2005
STAGE 3**

**PROPOSED DRILL SITES NEAR STANLEY RIVER &
LIVINGSTONE CREEK**

BOTANICAL AND FAUNA HABITAT SURVEY

For VENTURE MINERALS

10th May 2010



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Introduction: Venture Minerals Ltd is extending their exploratory drilling program in the vicinity of the Stanley River and Livingstone Creek which will involve the clearing of a further nine drill pads. A botanical and fauna habitat survey is required of each drill pad site as part of the MRT license conditions to determine any likely impacts on threatened species or threatened vegetation communities.

Objectives: The objectives of this survey were to:

- Undertake a desktop survey to confirm the known biological records and the natural values which may be present in the exploration target area and in the vicinity, and in particular records of threatened species and vegetation communities.
- Undertake a field survey of the exploration target areas to observe and record the natural values present including the vegetation types and plant communities, the flora and in particular any threatened plant species, species of threatened fauna and of any potential habitat for threatened fauna.
- Determine the possible impacts of the proposed exploration program on the natural values present and make recommendations on how those impacts can be minimized.

Location of Study Areas:



MAP REF: Tasmap 1:25,000 LIVINGSTONE, 3438

BIOREGION: West

The Stanley River is located to the immediate west of Mt Lindsay and Parsons Hood and to the north of the Reece Dam road.

- Proposed drill site locations.
PRW7: GRID REF: 357792E – 5382455N
PRW8: GRID REF: 357842E – 5382432N
PRW9: GRID REF: 357895E – 5382415N
PRW10: GRID REF: 357943E – 5382381N
PRW11: GRID REF: 357882E – 5382319N
PRW12: GRID REF: 357978E – 5382338N

PRW13: GRID REF: 357900E – 5382275N
PRW14: GRID REF: 358060E – 5382217N
PRW15: GRID REF: 358090E – 5382217N

(All Grid References MGA Zone 55 GDA94)

Site Description: The exploration target area is located to the immediate west of the Stanley River and in the vicinity of a minor creek-line which runs parallel to and along the valley of Livingstone Creek just above its confluence with the Stanley River. Most of the area is low lying and poorly drained as the valley floor of the Stanley River and Livingstone Creek. The area is largely composed of alluvium of varying ages and times of deposition. Exploratory drilling has been undertaken in this locality as an earlier stage of this exploration program by Venture Minerals and those drill sites are identified on the attached map.

Desktop Survey of Natural Values: The DPIW database “The Natural Values Atlas” was accessed for the known biological records of the locality and environs. Records of threatened species of flora and fauna known to occur within a 5,000 metre radius of the location were also accessed. Data sourced included the vegetation types and plant communities, the occurrence of any threatened vegetation communities, the recorded locations of any threatened species of plants and threatened fauna known or expected to occur in the vicinity.

REF POINT for the locality: 357900E – 5382275N

Desktop Survey Results:

VEGETATION COMMUNITIES:

The following vegetation communities are mapped under the TasVeg mapping program as occurring within 500 metres of the study area reference points.

VEGETATION COMMUNITY	TasVeg Code / Map colour	EXTENT IN STUDY AREA
<i>Nothofagus – Phyllocladus</i> Short Rainforest	RMS / RMU Dark Blue	Not differentiated from RMU on TasVeg map
<i>Lagarostrobos franklinii</i> Rainforest & Scrub	RHP / dark blue with diagonal lines	The main community along the Stanley River
Buttongrass Moorland (undifferentiated)	MBU / yellow with diagonal lines	Along the valley floor of Livingstone Creek
<i>Leptospermum</i> Scrub	SLW / Pink with horizontal yellow lines	Within 700 metres to the ne
Western Wet Scrub	SWW / Pink	Within 700 metres to the nw
<i>Eucalyptus obliqua</i> Dry Forest	DOB / Dark Green	Along ridgeline to north
<i>Eucalyptus nitida</i> Wet Forest	WNU / Aqua with vertical lines	North-east of the location

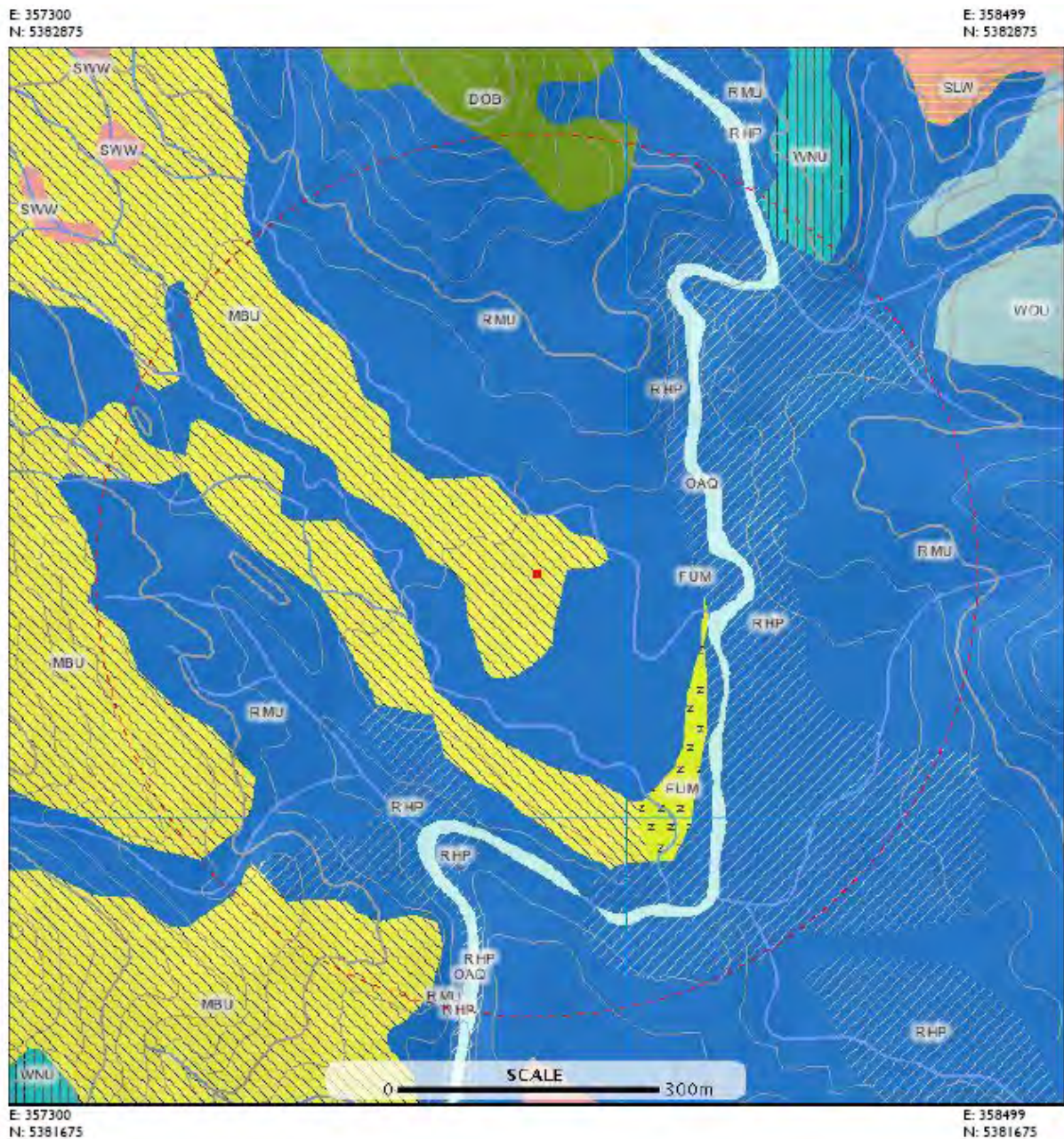


FIGURE 1: Vegetation communities as per TasVeg mapping program within 500 metres of study area reference point Drill Pad PRW13.

CODE: RMS/ RMU*Nothofagus / Phyllocladus* Short Rainforest
RHP*Lagarostrobos franklinii* Rainforest & Scrub
SWW Western Wet Scrub,
SLW*Leptospermum* Scrub.
MBU Western Buttongrass Moorland
DOB*Eucalyptus obliqua* Dry Forest
WNU*Eucalyptus nitida* Wet Forest
WOU*Eucalyptus obliqua* Wet Forest
FUM Previously disturbed vegetation

THREATENED VEGETATION COMMUNITIES:

- None of the vegetation communities as mapped in the study area are listed as threatened under the *Nature Conservation Act 2002*.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE

- *Lagarostrobos franklinii* Rainforest and Scrub is considered to be of high conservation value particularly in its old growth condition.
- *Nothofagus- Phyllocladus* Short Rainforest is adequately reserved in the state however in some bioregions it is inadequately reserved in its old-growth condition.
- *Eucalyptus nitida* Wet Forest is adequately reserved although in its old-growth condition it is under-reserved in some bioregions.
- *Eucalyptus obliqua* Dry Forest is considered to be under-reserved in its old-growth condition in some regions of the State.
- Buttongrass Moorland in its various formations is widespread in western Tasmania
- *Leptospermum* Scrub in its many forms is widespread and found across the state.
- Western Wet Scrub is an abundant community in western Tasmania from sea level up to 750m.

THREATENED FLORA:

Two species of threatened flora which are listed under the Tasmanian *Threatened Species Protection Act 1995* and /or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* are recorded on the Natural Values Atlas database as occurring within 5,000 metres of the study area reference point.

- *Epacris curtisiae* the North-west Heath is recorded about 3 km to the west of this location. The species is listed as being rare under the Tasmanian Act. The species is endemic to the state and is known to occur on undulating terrain within buttongrass moorlands. It occurs only in the north-west of the state with a key location being the nearby Meridith Range Regional Reserve.
- *Senecio vellioides* the Forest Groundsel has been recorded in the vicinity of Mt Lindsay about 2km to the east of this location.

THREATENED FAUNA:

No species of threatened fauna is recorded on the database as occurring within 5,000 metres of the study area reference point.

The following species of threatened fauna have the potential to occur in the locality based on habitat mapping within the known geographical range of each species.

- The Wedge-tailed Eagle *Aquila audax ssp fleayi*. The Tasmanian subspecies is listed as endangered under both State and Commonwealth Acts. The bird requires large trees in old-growth forest for nesting.
- The White-bellied Sea-eagle *Leucogaster haliaeetus* is considered to be vulnerable in Tasmania and is listed under the state Act. It can be observed around the coast but also extends inland along the larger rivers as well as over lakes and other water bodies.
- The White (Grey) Goshawk *Accipiter novae-hollandiae* is listed as being endangered in Tasmania. It requires mature wet forest as habitat.

- The Masked owl *Tyoto novae-hollandiae* ssp *castinops* is listed as endangered under the state Act. The bird requires large tree hollows for nesting and old-growth forest as habitat.
- The Azure Kingfisher *Ceryx azurea* is endangered in Tasmania and in this state is restricted to riparian habitat along western and north-western rivers.
- The Australian Grayling *Prototroctes maraena* is a fish which is listed as being vulnerable under both State and Commonwealth Acts.

Field Survey:

The field survey was undertaken on foot and focused on each of the 9 proposed drill sites and the proposed route to access each of the sites. An area of approximately 50 metres in diameter was surveyed around each drill site location.

Vascular plant species were recorded, vegetation communities were observed and cross-referenced with the TasVeg map sourced from the Natural Values Atlas database.

The field survey was conducted on the 5th May 2010.

Limitations: This survey was conducted in late autumn when few species are in flower. No botanical survey can guarantee that all flora will be observed and recorded in a single survey in one year due to seasonal and annual variation in abundance and the possible absence of flowers and fertile material for identification. Ephemeral species which may have been present includes species of orchids, lilies, herbs grasses and other graminoids. However all significant species known to occur in the study areas and their environs have been considered in this report.

Field Survey Results:

ACCESS TO THE DRILL SITES: The proposed access route is to commence from the end of the existing vehicular and graveled track and extend for about 100 metres to where it will connect with and follow an existing but overgrown vehicular track from earlier exploration activities. This track will be cleared and upgraded to provide access to the proposed drill sites. Short side tracks will be constructed from this main track to access a number of the drill pad sites, the longest will be about 100 metres in length to sites PRW14 and PRW15 which are located adjacent to the Stanley River.

The proposed main route and side tracks are detailed on the attached map.

The initial new section of track will extend through about 50 metres of buttongrass moorland and then cross a minor creek before entering an area of *Leptospermum* / *Melaleuca* Scrub, the community which predominated this survey area and extends for the length of the access route.

This community is dominated by a closed canopy of either of two species, *Leptospermum lanigerum* and *Melaleuca squarrosa*. Emergent trees of *Eucalyptus nitida* were present but included few trees over 15 metres in height. Some rainforest species such as Myrtle *Nothofagus cunninghamii* were present only as saplings and as a component of the closed canopy of the scrub vegetation. Drainage conditions were poor throughout the survey area.

SURVEY OF DRILL SITES:

PRW7, GRID REF: 357792E – 5382455N:

PRW8, GRID REF: 357842E – 5382432N:

PRW9, GRID REF: 357895E – 5382415N:

All three drill sites were located within a dense scrub community dominated by *Melaleuca squarrosa* with a canopy height of 6 to 8 metres. *Eucalyptus nitida* was present as emergent small trees 10 to 12 metres high. *Acacia melanoxylon* Blackwood, *Nothofagus cunninghamii* Myrtle, *Cenarrhenes nitida* Native Plum and *Anodopetalum biglandulosum* Horizontal were present as saplings and as a component of the scrub canopy, and ferns were common in the ground layer.

PRW10, GRID REF: 357943E – 5382381N:

This site is located on a low rise and in a location where the scrub canopy is dominated by the Woolly Teatree *Leptospermum lanigerum* and the emergent trees of *Eucalyptus nitida* tends to be larger and taller up to 20 metres. Bracken *Pteridium esculentum* was present in the ground layer which is indicative of better drained soil conditions. Care will be needed to ensure containment of silt and sediment as the site is close to the minor creek line.

PRW11, GRID REF: 357882E – 5382319N:

This site is located to the south-west of PRW10 and will involve the clearing for a side track about 80 metres in length which extends out into the valley floor buttongrass moorland community. This vegetation is dominated by Buttongrass with scattered shrubs up to 3 or 4 metres in height of *Hakea epiglottis*, *Melaleuca squamea*, *Leptospermum lanigerum* and *Leptospermum nitidum* and smaller shrubs such as *Sprengelia incarnata*.

PRW12, GRID REF: 357978E – 5382338N:

This drill site is located on an old disused vehicular track and next to the minor creek-line. The vegetation community is *Leptospermum lanigerum* Scrub similar to PRW10 but with poorer drainage conditions. The sedges *Gahnia grandis* and *Baloskion tetraphyllum* predominated the ground layer in this location. The site is close to the minor creek-line and precautions will be needed to ensure containment of run-off and sediment from the drilling operation.

PRW13, GRID REF: 357900E – 5382275N:

This site is located to the south-east of PRW12 and a new 80 metre branch track will be required for access. The site is 50 metres south of PRW11 and within the same buttongrass moorland community and has the same suite of plant species.

PRW14, GRID REF: 358060E – 5382217N and about 50 metres west of the Stanley River.

PRW15, GRID REF: 358093E – 5382268N has been repositioned from the mapped reference to locate the drill site a further 20 metres (approximately) from the Stanley River.

The vegetation in the vicinity of the two drill sites fits within the definition of *Leptospermum* with Rainforest Scrub (RLS) rather than the the rainforest communities RMU or RHP as mapped under the TasVeg vegetation mapping program. The community has a closed canopy of *Leptospermum lanigerum* about 6 to 8 metres high with a strong presence of rainforest species and some emergent Eucalypts. PRW15 is located within the flood-plain of the river of there was evidence of alluvium deposits from a recent flood in the location. A number of rainforest species were present but only as saplings and as a component of the scrub canopy. Species present included Myrtle *Nothofagus cunninghamii*, Leatherwood *Eucryphia lucida*, Native Plum *Cenarrhenes nitida*, and Laurel *Anopterus glandulosa*. No trees of Huon Pine *Lagarostrobos franklinii* were observed however saplings of this species have been observed in this general locality during previous field surveys.

Care will need to be taken to avoid run-off and sedimentation from the drilling operation into the Stanley River and particularly so with PRW15.

Survey Conclusions:

The proposed drilling program will have no significant impact on the natural values present in the locality.

THREATENED VEGETATION COMMUNITIES: No vegetation community listed under the *Tasmanian Nature Conservation Act 2002* was observed during the field survey.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE: Huon Pine Rainforest *Lagarostrobus franklinii* Rainforest and Scrub is mapped as occurring along the Stanley River however the community was not present in the areas surveyed. None of the vegetation communities observed during the survey were in an old-growth condition.

THREATENED FLORA: No plant species listed under the *Tasmanian Threatened Species Protection Act 1995* and/or the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* was observed or recorded during the field survey.

FLORA OF CONSERVATION SIGNIFICANCE: No species of non-threatened flora of conservation significance were observed during the field survey. No mature or old-growth trees of Huon Pine *Lagarostrobus franklinii* were observed or recorded in the survey area and no old-growth trees or trees with hollows were observed in the vicinity of the proposed drill sites.

THREATENED FAUNA: No species of threatened fauna listed under the State or Commonwealth Acts was observed during the field survey.

THREATENED FAUNA HABITAT: Potential habitat such as old-growth forest, large mature trees or trees with large hollows for species such as the Wedge-tailed Eagle, Masked Owl and White (Grey) Goshawk was not observed or present in the area surveyed.

No suitable habitat was observed for the White-bellied Sea-eagle although it may be present over the nearby Pieman River hydro impoundment.

Suitable habitat for the Azure Kingfisher is present along the Stanley River however the proposed drilling program will not impact on the riverbank vegetation. The Stanley River may also provide suitable habitat for the fish, the Australian Grayling.

ENVIRONMENTAL WEEDS: Two small individual plants of Blackberry *Rubus fruticosus* were observed during the field survey.

PHYTOPHTHORA: There was no symptomatic field evidence observed of the root pathogen *Phytophthora cinnamomi* during this field survey.

Recommendations:

VEGETATION COMMUNITIES: Limit clearing for each drill pad to the minimum specification for safe access and field operations in order to minimize environmental impact to the surrounding vegetation. Ensure the adequate containment within each drill pad site of all silt, sediment and other contaminants resulting from the drilling program to avoid impacting on adjacent creeks, creek-side vegetation and the Stanley River.

THREATENED VEGETATION COMMUNITIES: No threatened vegetation community was observed during the field survey and no specific action is required in addition to the recommendations under vegetation communities.

THREATENED FLORA: No species of threatened flora was observed or recorded during the field survey and no specific action is required.

FLORA OF CONSERVATION SIGNIFICANCE: No flora of specific conservation significance was observed during the survey and no action is required in addition to the recommendations under vegetation communities.

THREATENED FAUNA: No species of threatened fauna were observed during the field survey and no specific action is required.

THREATENED FAUNA HABITAT: The proposed exploration program will not impact on any known habitat of threatened fauna and no specific action is required in addition to the recommendations under vegetation communities.

ENVIRONMENTAL WEEDS: In order to prevent the further introduction of weeds all equipment and machinery should be subject to a wash-down procedure to remove any soil or mud which could contain weed seeds before being transported into the exploration sites.

PHYTOPHTHORA: Accepted protocols in regard to hygiene and wash-down procedures for all machinery and equipment, including the drill rig itself should be followed, to ensure that the pathogen is not inadvertently introduced into disease free locations by way of extraneous soil, mud and gravel adhered to tyres, work-boots and equipment.

Philip Milner

Vegetation Consultant

Appendix 1.....Vegetation Communities and Species Recorded

1. *Leptospermum* Scrub (TasVeg Code SLW)

This is the predominant community in the area surveyed and occurred along creeks and drainage lines and other locations with impeded drainage conditions. The community intergraded with the *Leptospermum* with Rainforest Scrub towards the Stanley River.

This community is widespread in western Tasmania.

EMERGENT TREES

<i>Eucalyptus nitida</i>	Western Peppermint	common

SCRUB CANOPY DOMINANTS

<i>Leptospermum lanigerum</i>	Woolly Teatree	abundant
<i>Melaleuca squarrosa</i>	Scented Paperbark	common

SCRUB CANOPY SECONDARY SPECIES

<i>Acacia melanoxylon</i>	Blackwood	common
<i>Acacia mucronata</i>	Caterpillar Wattle	common
<i>Banksia marginata</i>	Silver Banksia	uncommon
<i>Nematolepis squamea</i>	Satinwood	uncommon
<i>Nothofagus cunninghamii</i>	Myrtle	occ as saplings

MEDIUM SHRUBS

<i>Monotoca sp</i>		common

SMALL SHRUBS

<i>Bauera rubioides</i>	Wiry Bauera	common
<i>Pimelea drupaceae</i>	Cherry Riceflower	occasional

GRASSES & GRAMINOIDS

<i>Dryophila cyanocarpa</i>	Turquoiseberry	occasional
<i>Blauskion tetraphyllum</i>	Tassel Cordrush	common
<i>Gahnia grandis</i>	Cutting Grass	common

FERNS & ALLIED PLANTS

<i>Blechnum wattsii</i>	Hard Waterfern	common
<i>Dicksonia antarctica</i>	Soft Treefern	occasional
<i>Histiopteris incisa</i>	Bat's wing Fern	
<i>Hypolepis rugulosus</i>	Ruddy Groundfern	common
<i>Polystichum proliferum</i>	Mother Shieldfern	uncommon
<i>Pteridium esculentum</i>	Bracken	uncommon
<i>Sticherus tener</i>	Umbrella Fern	occasional

ENVIRONMENTAL WEEDS

<i>Rubus xfruticososa</i>	Blackberry	2 plants only

2. *Leptospermum* with Rainforest Scrub (TasVeg Code RLS)

This community was present adjacent to the Stanley River and tended to intergrade with the adjacent *Leptospermum Scrub* community. It was characterized by a closed canopy of *Leptospermum lanigerum*, emergent trees of *Eucalyptus nitida* and a diversity of rainforest species present as saplings in the understorey.

This community is scattered but widespread in western Tasmania.

DOMINANT CANOPY TREES

<i>Leptospermum lanigerum</i>	Woolly Teatree	abundant

EMERGENT TREES

<i>Eucalyptus nitida</i>	Western Peppermint	common

UNDERSTOREY TREES & TALL SHRUBS

<i>Acacia melanoxylon</i>	Blackwood	common
<i>Anodopetalum biglandulosum</i>	Horizontal	occasional
<i>Anopterus glandulosa</i>	Laurel	common
<i>Cenarrhenes nitida</i>	Native Plum	occasional
<i>Eucryphia lucida</i>	Leatherwood	occasional
<i>Nematolepis squamea</i>	Satinwood	occasional
<i>Nothofagus cunninghamii</i>	Myrtle	common

MEDIUM SHRUBS

<i>Coprosma quadrifida</i>	Native Currant	occasional

CLIMBERS

<i>Billardiera longiflora</i>	Climbing Blueberry	uncommon
<i>Clematis aristata</i>	Southern Clematis	uncommon

HERBS & HERB-LIKE PLANTS

<i>Hydrocotyle hirta</i>	Hairy Pennywort	occasional

GRASSES & GRAMINOIDS

<i>Baloskion tetraphyllum</i>	Tassel Cordrush	common
<i>Gahnia grandis</i>	Cutting Grass	common

FERNS & ALLIED PLANTS

<i>Blechnum nudum</i>	Fishbone Waterfern	very common
<i>Blechnum wattsii</i>	Hard Waterfern	uncommon
<i>Dicksonia antarctica</i>	Soft Treefern	common
<i>Gleichenia microphylla</i>	Scrambling Coralfern	uncommon
<i>Histiopteris incisa</i>	Bat's wing Fern	common
<i>Microsorium diversifolium</i>	Kangaroo Fern	uncommon

3. Western Buttongrass Moorland (TasVeg Code MBW)

The valley floor facie of buttongrass moorland is a poorly drained environment with buttongrass *gymnoschoenus sphaerocephalus* generally comprising less than 30% of the total vegetation cover. The balance is made up of shrubby species up to 2 metres tall which are tolerant of poorly drained conditions. Drill Sites PRW11 and PRW13 are located in this community.

Western Buttongrass Moorland is a widespread vegetation community in western Tasmania.

DOMINANT SPECIES

<i>Gymnoschoenus sphaerocephalus</i>	Buttongrass	abundant

EMERGENT SHRUBS TO 2 Metres

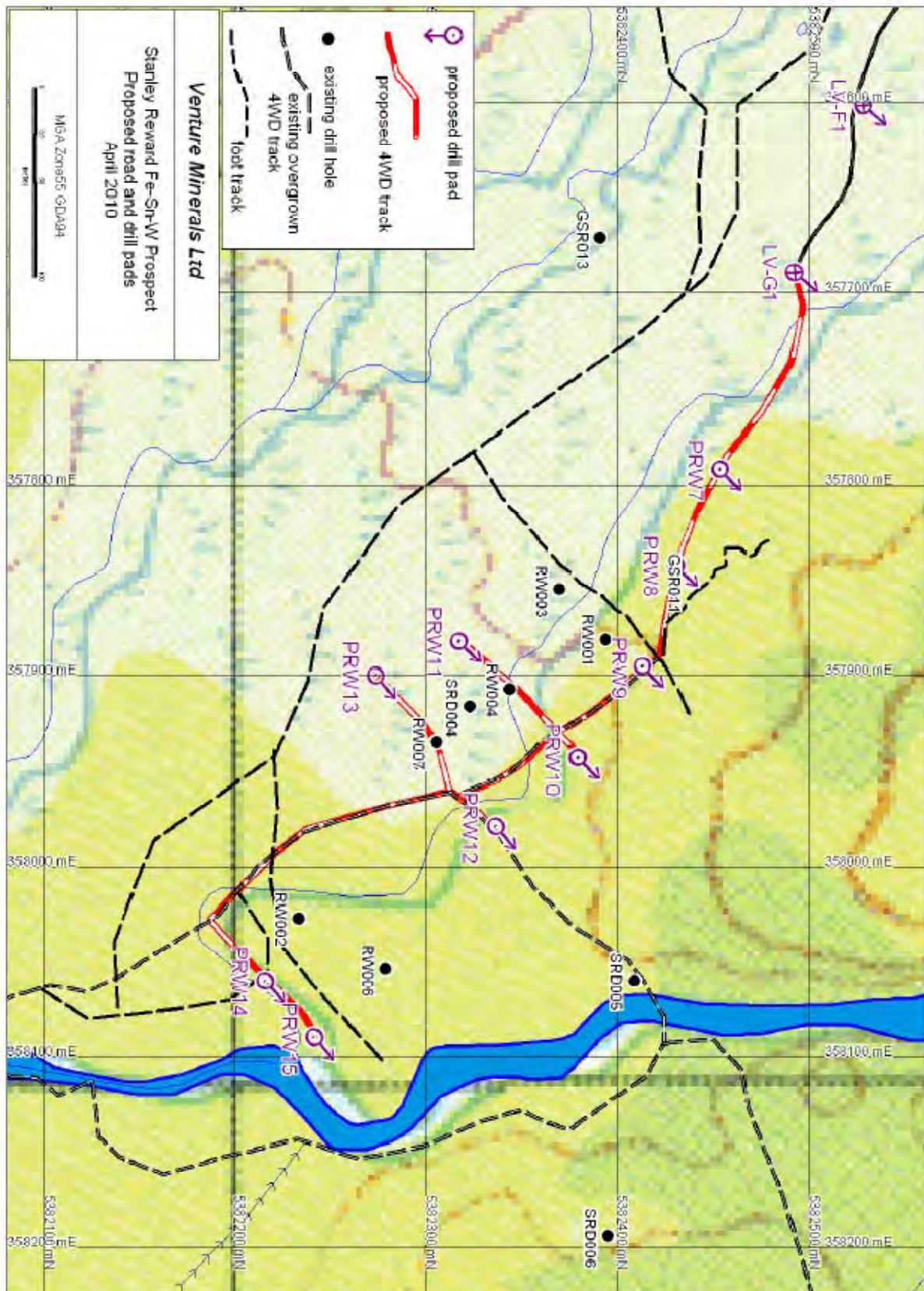
<i>Banksia marginata</i>	Silver Banksia	occasional
<i>Hakea epiglottis</i>	Mountain Needlebush	occasional
<i>Leptospermum lanigerum</i>	Woolly Teatree	occasional
<i>Leptospermum nitidum</i>	Shiny Teatree	common
<i>Leptospermum scoparium</i>	Manuka	occasional
<i>Melaleuca squamea</i>	Swamp Honeymyrtle	common

EMERGENT SHRUBS TO 1 Metre

<i>Sprengelia incarnata</i>	Pink Swampheath	common

GRASSES & GRAMINOIDS

<i>Gymnoschoenus sphaerocephalus</i>	Buttongrass	abundant
<i>Baloskion tetraphyllum</i>	Tassel Cordrush	occasional
<i>Leptocarpus tenax</i>	Slender Twinerush	occasional
<i>Xyris</i> sp.	A Yellow-eye	common



STANLEY REWARD EXPLORATION PROGRAM
PROPOSED DRILL SITES AT STANLEY RIVER
BOTANICAL AND FAUNA HABITAT SURVEY
FOR VENTURE MINERALS LTD

17th July 2009

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Introduction: Venture Minerals Ltd is undertaking an exploratory drilling program within the Stanley Reward prospect EL21/2005 which will involve two drill sites adjacent to the Stanley River. The work program will involve the clearing of a drill pad at each site which will be accessed by helicopter. A flora and fauna habitat survey is required as part of the MRT license conditions to determine any likely impacts on threatened species or threatened vegetation communities within the target areas.

Objectives: The objectives of this survey were to;

- Undertake a desktop survey to confirm the known biological records and the natural values which may be present in the exploration target area or in the vicinity.
- Undertake a field survey of the exploration target area to observe and record the natural values present, including the vegetation types and plant communities, the flora and in particular and threatened species, and the presence of any species of threatened fauna or of potential habitat.
- Determine the possible impacts of the proposed exploration program on the natural values present and make recommendations on how those impacts can be minimized.

Location of Study Area: The two proposed drill sites are located to the immediate west of the Stanley River and within the catchment of the Pieman River.

SRTEMP01..... GRID REF: 357920E – 5382440N

SRTEMP02 GRID REF: 358100E – 5382280N

The above locations are the preferred drill site locations, however if there is found to be a major problem with either site the following alternative sites are proposed.

SRTEMP01A.....GRID REF: 357885E – 5382400N

SRTEMP02A GRID REF: 358050E – 5382230N

MGA Zone 55 GDA94

Site Description: The exploration target area is located to the immediate west of the Stanley River and to the west of Mount Lindsay within the Meredith Range Regional Reserve. Most of the area is low lying and poorly drained as the flood plain of the Stanley River as well as a number of smaller creeks which flow into it. The area is largely composed of alluvium of varying ages and times of deposition although SRTEMP01 itself is located on a rise.

There is evidence of past mineral exploration activities in the location, and evidence of previous bushfires.

Desktop Survey of Natural Values: The DPIW database “The Natural Values Atlas” was accessed for the known biological records of the locality and environs. Records of threatened species known to occur within a 5,000 metre radius of the location were also accessed. Data sourced included the vegetation types and plant communities, the occurrence of any threatened vegetation communities, the locations of any threatened species of plants, and threatened fauna known or expected to occur in the vicinity.

Desktop Survey Results:

VEGETATION COMMUNITIES: The following vegetation communities are mapped under the TasVeg mapping program as occurring within 500 metres of the study area reference point.

VEGETATION COMMUNITY	TasVeg Code/ Map Colour	EXTENT IN STUDY AREA
<i>Nothofagus_ Phyllocladus</i> Short Rainforest (undifferentiated)	RMS / RMU / dark blue	The most extensive community in the study area
<i>Lagarostrobos franklinii</i> Rainforest & Scrub	RHP / dark blue with diagonal lines	Along the river and streams and areas of alluvium
Buttongrass Moorland (undifferentiated)	MBU / yellow with diagonal lines	Along valley floor in western half of study area
<i>Eucalyptus nitida</i> Wet Forest (undifferentiated)	WNU / bright blue with vertical lines	Small area on northern edge of study area
<i>Eucalyptus obliqua</i> Wet Forest (undifferentiated)	WOU / pale blue	Small area on north-east edge of study area
Extra-urban miscellaneous	FUM / Yellow/green with "z"	Denotes disturbed areas of vegetation

THREATENED VEGETATION COMMUNITIES:

- None of the above communities are listed as threatened under the Tasmanian *Nature Conservation Act 2002*.
- *Nothofagus – Phyllocladus* Short Rainforest is considered to be well reserved however in its old-growth form it is considered to be under-reserved in some regions of the state.
- *Lagarostrobos franklinii* Rainforest and Scrub community is considered to be under-reserved in Tasmania and it is being targeted under the RFA for further reservation.
- Buttongrass Moorland is a widespread and common community in western Tasmania.
- *Eucalyptus nitida* Wet Forest is well reserved in Tasmania, however it is under-reserved in some regions of the state in its old-growth condition. Old-growth forest of this type is being targeted under the RFA for further reservation.
- *Eucalyptus obliqua* Wet Forest is under-reserved in some areas of the state including in its old-growth form. Further reservation of this forest community is required under the RFA.

TasVeg communities within 500 metres

E: 357500
N: 5382800

E: 358699
N: 5382800



E: 357500
N: 5381600

E: 358699
N: 5381600

FIGURE 1: Vegetation communities as per TasVeg mapping program within 500 metres of study area reference point.

Code: RMU... *Nothofagus-Phyllocladus* Short Rainforest (undifferentiated) / RHP ... *Lagarostrobos franklinii* Rainforest & Scrub / MBU ... Buttongrass Moorland (undifferentiated) / WNU ... *Eucalyptus nitida* Wet Forest (undifferentiated) / *Eucalyptus obliqua* Wet Forest (undifferentiated) / FUM ... Disturbed vegetation

THREATENED FLORA:

- No species of threatened flora listed under the Tasmanian *Threatened Species Conservation Act 1995* and /or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* are recorded on the Natural Values Atlas database as occurring within 500 metres of the study area reference point.
- There are two species of threatened flora recorded on the database as occurring within 5,000 metres of the study area reference point.
- *Epacris curtisae*, Northwest Heath. There is one 1995 record of the species from the locality, and the author has observed the species on elevated well-drained slopes within buttongrass moorland about 5km to the west of this site. This species is listed as being rare under the Tasmanian Act. The species is endemic to Tasmania and is known to occur on undulating terrain in association with common heathy species within buttongrass moorlands. It occurs only in the far north-west of the state and the Meredith Range Regional Reserve is one of its key sites.
- *Senecio vellioides*, Forest Groundsel. There is one record of the species from the area dated 1983. The species is listed as rare under the Tasmanian Act. It is a short lived perennial herb up to 2 metres in height which is found in moist places on hill slopes particularly after disturbance by fire. The species has been recorded in scattered locations across the state with key locations in this region being Tullah, Rosebery and the Arthur River Forest Reserve.

THREATENED FAUNA: There were no species of threatened fauna recorded on the database as occurring within 5,000 metres of the study area.

The following species of fauna which are listed under the State and/or Commonwealth Acts have potential to occur within the study area based on habitat mapping within the known geographical range of each.

- The Wedge-tailed Eagle, *Aquila audax ssp fleayii*. The Tasmanian subspecies is listed as endangered under both the Tasmanian and Commonwealth Acts. The species requires large trees within tracts of old-growth forest for successful nesting.
- The White-bellied Sea-eagle, *Haliaeetus leucogaster* is considered to be vulnerable in Tasmania and is listed under the State Act. It can be found over inland waterways and rivers as well as around the coastline.
- The White (Grey) Goshawk, *Accipiter novae-hollandiae*, is endangered in Tasmania and requires mature wet forest as habitat.
- The Masked Owl, *Tyto novae-hollandiae ssp castanops*. The Tasmanian subspecies is listed as endangered under the State Act. It requires large tree hollows for nesting and old-growth forest for its survival.
- The Azure Kingfisher, *Ceyx azurea* is endangered in Tasmania and is restricted to riparian habitat along western and north-western rivers.
- The Australian Grayling, *Prototroctes mareana* is a fish which is listed as being vulnerable under both State and Commonwealth Acts.

Field Survey:

Methodology: The field survey was undertaken on foot and focused on the two locations targeted for proposed drill sites SRTEMP01 and SRTEMP02 which are located to the immediate west of the Stanley River.

Two other nearby sites were also surveyed SRTEMP01A and SRTEMP02A as alternative drill sites should there be any major problems with the preferred sites 01 or 02.

An area of approximately 100 metres diameter was surveyed around each drill site location. The drill sites are to be accessed by helicopter so there will be no development or construction of an access road or vehicular track as part of this exploration program.

Vascular plant species were recorded, vegetation communities were observed and cross-referenced with the TasVeg map sourced from the Natural Values Atlas data base. Suitable habitat for threatened species of fauna was also observed.

The survey was conducted on Friday 10th July 2009.

Limitations: The survey was conducted in winter when most species of plants are not flowering. No botanical survey can guarantee that all flora will be observed and recorded in a single survey in one year due to seasonal and annual variation in abundance and the possible absence of flowers and fertile material for identification. Ephemeral species which may have been present includes species of orchids, lilies, herbs, grasses and other graminoids. However all significant species known to occur in the study area and its environs have been considered in this report.

Field Survey Results:

VEGETATION COMMUNITIES: The vegetation communities observed along the flagged route towards the proposed drill sites was largely Buttongrass Moorland (MBU) with adjoining patches of Western Wet Scrub (SWW). The Buttongrass Moorland is in accordance with the TasVeg mapping however the western Wet Scrub is more extensive in the location than mapped.

The vegetation in the vicinity of drill site SRTEMP01 and SRTEMP01A is also Western Wet Scrub (SWW) but as it is located on a rise other understorey species which require better drainage are present including low mainly regrowth trees of emergent *Eucalyptus nitida*, which is largely absent from the Wet Scrub and the Buttongrass Moorland where drainage is impeded. Western Wet Scrub is widespread and abundant in western Tasmania.

The proposed drill site SRTEMP02 is located to the immediate west and on the floodplain of the Stanley River itself, in a location with a granular alluvium type soil. The vegetation in this location fits within the definition of *Leptospermum* with Rainforest Scrub (RLS) rather than the *Lagarostrobos franklinii* Rainforest and Scrub (RHP) as mapped under TasVeg. The canopy is dominated by *Leptospermum lanigerum* 4 to 6 metres tall with a scrubby understorey which includes a number of rainforest species. *Lagarostrobos franklinii* is present but only as juveniles and saplings under the *Leptospermum* canopy and along the river and stream banks.

The vegetation in this community is likely to have been induced by a previous bushfire but has the potential to develop over time into a forest dominated by the rainforest species present including the Huon Pine. *Leptospermum* with Rainforest Scrub (RLS) is a community which is widespread in the western half of Tasmania.

SRTEMP02A is also located on a low lying section of the flood plain and adjacent to a minor creekline and is located within a natural clearing which has a ground layer of the Fishbone Waterfern *Blechnum nudum*. The surrounding vegetation community is again *Leptospermum* with Rainforest Scrub (RLS) although there is less diversity in this location with the rainforest species present. A relatively mature Blackwood *Acacia melanoxylon* is located on the edge of the clearing and an emergent *Eucalyptus nitida* is also located nearby.

THREATENED VEGETATION COMMUNITIES: No community listed under the Tasmanian *Nature Conservation Act 2002* was observed during the field survey.

THREATENED FLORA: No plant species listed under the Tasmanian *Threatened Species Conservation Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed or recorded during the field survey.

FLORA OF CONSERVATION SIGNIFICANCE: No mature or old-growth trees of Huon Pine *Lagarostrobos franklinii*, were observed or recorded during the field survey and no old-growth Eucalypt trees were observed within or adjacent to each of the proposed drill sites.

THREATENED FAUNA: No species of threatened fauna listed under the State or Commonwealth Acts was observed during the field survey.

THREATENED FAUNA HABITAT: Potential habitat such as old-growth forest, large mature trees or trees with large hollows for species such as the Wedge-tailed Eagle, Masked Owl and White (Grey) Goshawk was not observed or present in the survey area
No suitable habitat was observed for the White-bellied Sea-eagle although it may be present over the nearby Pieman River hydro impoundments.
Suitable habitat for the Azure Kingfisher is present along the Stanley River however the proposed drilling program will not impact of the riverbank vegetation. The Stanley River may also provide suitable habitat for the Australian Grayling.

ENVIRONMENTAL WEEDS: Two small plants of Blackberry *Rubus fruticosus* were observed during the field survey, one in the vicinity of SRTEMP01 and one in the vicinity of SRTEMP2A. Both were hand pulled at the time of observation.

PHYTOPHTHORA: There was no symptomatic field evidence of the presence of the root pathogen *Phytophthora cinnamoni* within the area covered by the survey.

Survey Conclusions:

No vegetation community listed as threatened under the Tasmanian *Nature Conservation Act 2002* was observed during the survey.

No vegetation community of conservation significance such as *Lagarostrobos franklinii* Rainforest or old-growth Eucalypt communities were present in the survey area.

No species of flora which is listed under the Tasmanian *Threatened Species Conservation Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed during the field survey.

No species of threatened fauna listed under the above threatened species Acts was observed during the field survey.

The proposed exploration program will not impact on potential habitat for any species of threatened fauna which has the potential to occur in the locality.

Environmental weeds are present at very low levels. Two plants of one species of environmental weed were observed during the survey, ie Blackberry, *Rubus fruticosus*.

No Phytophthora was present in the survey area.

Recommendations:

VEGETATION COMMUNITIES: Limit clearing for each drill pad to the minimum specification for safe helicopter access in order to minimize environmental impact to the surrounding vegetation. Avoid removing mature trees if at all possible and in particular the mature Blackwood adjacent to proposed alternative drill site STTEMP01A.

THREATENED VEGETATION COMMUNITIES: No threatened vegetation community was observed during the field survey and no specific action is required.

THREATENED FLORA: No species of threatened flora was observed or recorded during the field survey and no specific action is required.

FLORA OF CONSERVATION SIGNIFICANCE: Any mature tree adjacent to the proposed drill pads including the mature Blackwood adjacent to 2A are considered to have some conservation significance and should be retained unless there are OH&S issues. Regrowth Huon Pines are also considered to be significant and should be avoided if possible.

THREATENED FAUNA: No species of threatened fauna was observed during the field survey and no specific action is required.

THREATENED FAUNA HABITAT: The Stanley River is potential habitat for the Azure Kingfisher. Ensure that there is no disturbance to the river bank vegetation during activities associated with the exploration program.

ENVIRONMENTAL WEEDS: Field workers clearing for the drill pads should be made aware that Blackberries have been recorded in the locations. If any are found they should be manually removed.

PHYTOPHTHORA: Follow accepted protocols in regard to hygiene and washdown procedures for machinery and equipment, including the drill rig which is to be flown in, to ensure that the pathogen is not inadvertently introduced to these work sites, by way of extraneous soil, mud or gravel adhered to tyres, workboots etc.

Philip Milner

Vegetation Consultant

APPENDIX 1: Vegetation Communities and Species Recorded

1. *Leptospermum* with Rainforest Scrub (TasVeg Code RLS)

The community observed in the vicinity of proposed drill site SRTEMP02 was characterized by a relatively open canopy of *Leptospermum lanigerum* about 5 to 6 metres high, with an occasional emergent tree of *Acacia melanoxylon* and *Eucalyptus nitida* and with an open understorey composed of regrowth trees of a large diversity of mainly rainforest species.

This community may be in a rainforest regrowth phase following a previous bushfire and has the potential in the absence of further fire to once again over time develop into a pure rainforest community. Facies of this community are found throughout rainforest communities across Tasmania, but it mainly occurs in the western half of the State.

DOMINANT TREES

<i>Leptospermum lanigerum</i>	Woolly Teatree	abundant

EMERGENT TREES

<i>Acacia melanoxylon</i>	Blackwood	occasional
<i>Eucalyptus nitida</i>	Western Peppermint	occasional

UNDERSTOREY SMALL TREES / LARGE SHRUBS

<i>Acacia mucronata</i>	Caterpillar Wattle	occasional
<i>Atherosperma moschatum</i>	Sassafras	occasional
<i>Eucryphia lucida</i>	Leatherwood	occasional
<i>Hakea lissosperma</i>	Mountain Needlebush	uncommon
<i>Lagarostrobos franklinii</i>	Huon Pine	occasional (sapling)
<i>Melaleuca squarrosa</i>	Scented Paperbark	occasional
<i>Nothofagus cunninghamii</i>	Myrtle	occasional
<i>Phyllocladus asplenifolius</i>	Celery-top Pine	occasional
<i>Pittosporum bicolor</i>	Cheesewood	occasional

MEDIUM SHRUBS

<i>Anopterus glandulosa</i>	Tasmanian Laurel	occasional
<i>Cenarrhenes nitida</i>	Native Plum	occasional
<i>Nematolepis squamea</i>	Satinwood	occasional
<i>Prostanthera lasianthos</i>	Mint Bush	occasional
<i>Tasmannia lanceolata</i>	Native Pepper	occasional
<i>Telopea truncata</i>	Waratah	occasional

SMALL SHRUBS

<i>Bauera rubioides</i>	Wiry Bauera	common

CLIMBERS

<i>Clematis aristata</i>	Native Clematis	uncommon

GRASSES & GRAMINOIDS

<i>Baloskion tetraphyllum</i>	Tassel Cordrush	common
<i>Empodisma minus</i>	Spreading Roperush	occasional
<i>Gahnia grandis</i>	Cutting Grass	occasional

FERNS & ALLIED PLANTS

<i>Blechnum nudum</i>	Fishbone Waterfern	very common
<i>Blechnum wattsii</i>	Hard Waterfern	occasional
<i>Dicksonia antarctica</i>	Soft Treefern	occasional
<i>Gleichenia dicarpa</i>	Pouched Corallfern	occasional
<i>Histiopteris incisa</i>	Bats-wing fern	occasional

ENVIRONMENTAL WEEDS

<i>Rubus fruticosus</i>	Blackberry	uncommon

2. Western Wet Scrub (TasVeg Code SWW)

This is typically a dense uneven scrub community with species of *Leptospermum* and/or *Melaleuca* predominating and with emergent saplings of *Eucalyptus nitida*. It often occurs adjacent to Buttongrass Moorland and to the *Leptospermum* with Rainforest Scrub community

SWW is a widespread and abundant community in the western half of Tasmania from sea level up to about 750 metres.

DOMINANT CANOPY TREE

<i>Leptospermum lanigerum</i>	Woolly Teatree	common

EMERGENT TREES

<i>Eucalyptus nitida</i>	Western Peppermint	common (mainly as saplings)

SMALL TREES / LARGE SHRUBS

<i>Acacia mucronata</i>	Caterpillar Wattle	occasional
<i>Eucryphia lucida</i>	Leatherwood	occasional
<i>Nothofagus cunninghamii</i>	Myrtle	occasional

MEDIUM SHRUBS

<i>Cenarrhenes nitida</i>	Native Plum	occasional
<i>Monotoca submutica</i>	Roundleaf Broomheath	occasional
<i>Nematolepis squamea</i>	Satinwood	occasional
<i>Oxylobium arborescens</i>	Tall Shaggy-pea	occasional

SMALL SHRUBS

<i>Bauera rubioides</i>	Wiry Bauera	common
<i>Leptecophylla juniperina</i>	Pink Mountainberry	occasional

CLIMBERS

<i>Billardiera longiflora</i>	Climbing Blueberry	uncommon

GRASSES & GRAMINOIDS

Drymophila cyanocarpa

Turquoise-berry

occasional

Empodisma minus

Spreading Roperush

occasional

Gahnia grandis

Cuttinggrass

common

FERNS & ALLIED PLANTS

Polystichum proliferum

Mother Shieldfern

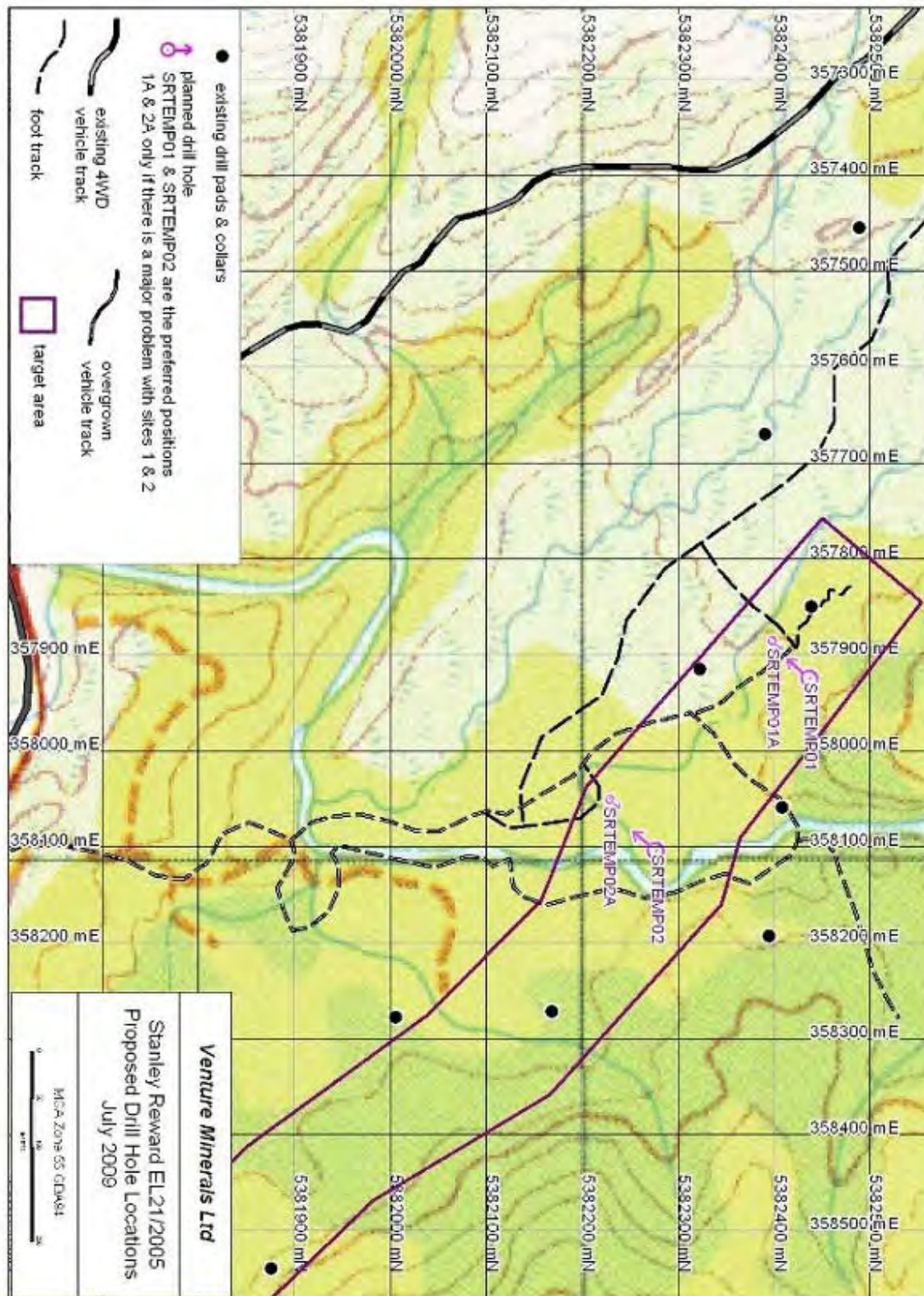
occasional

ENVIRONMENTAL WEEDS

Rubus fruticosus

Blackberry

uncommon



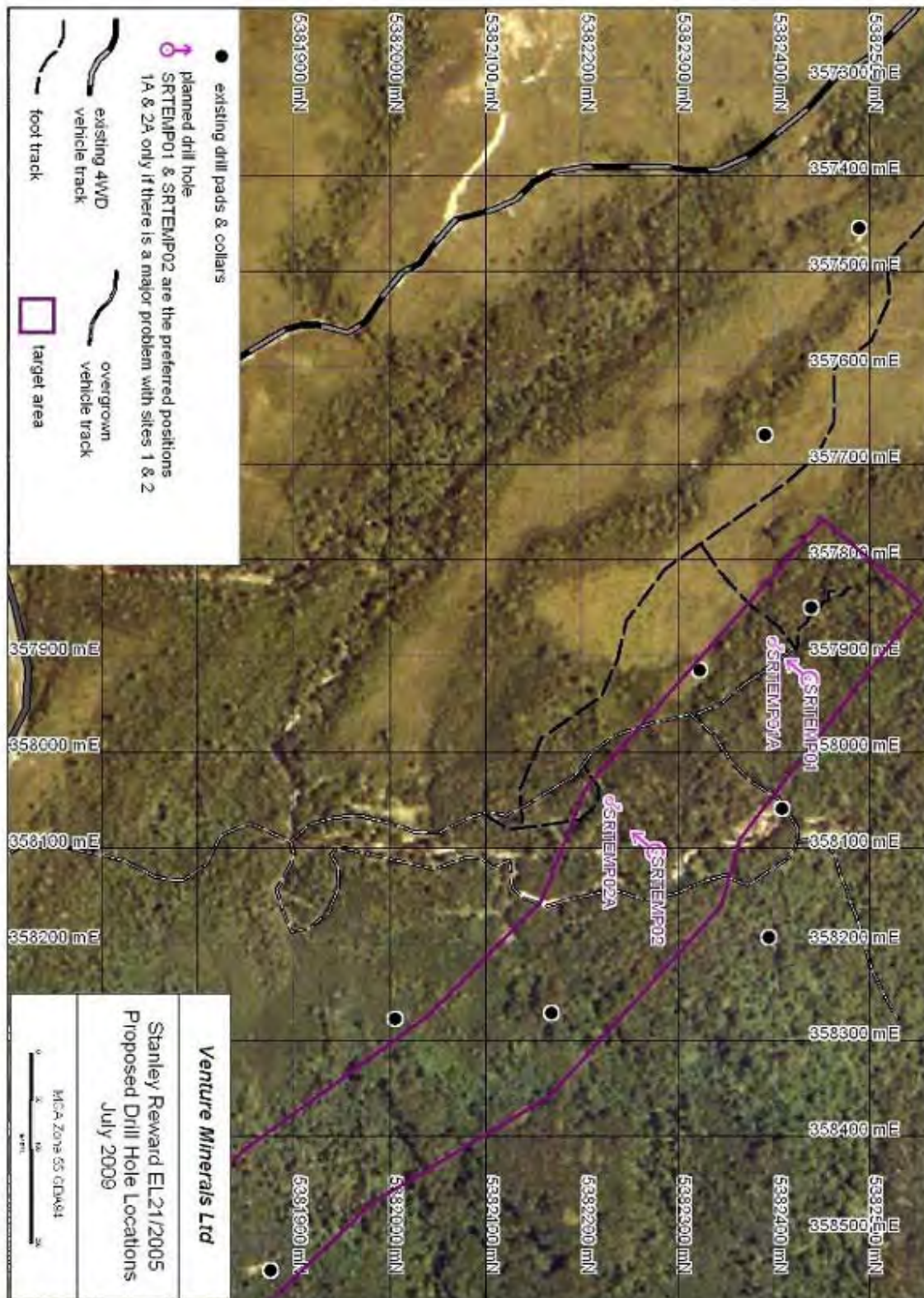




PHOTO 1: SRTEMP02



PHOTO 2: SRTEMP02A



PHOTO 3: SRTEMP01

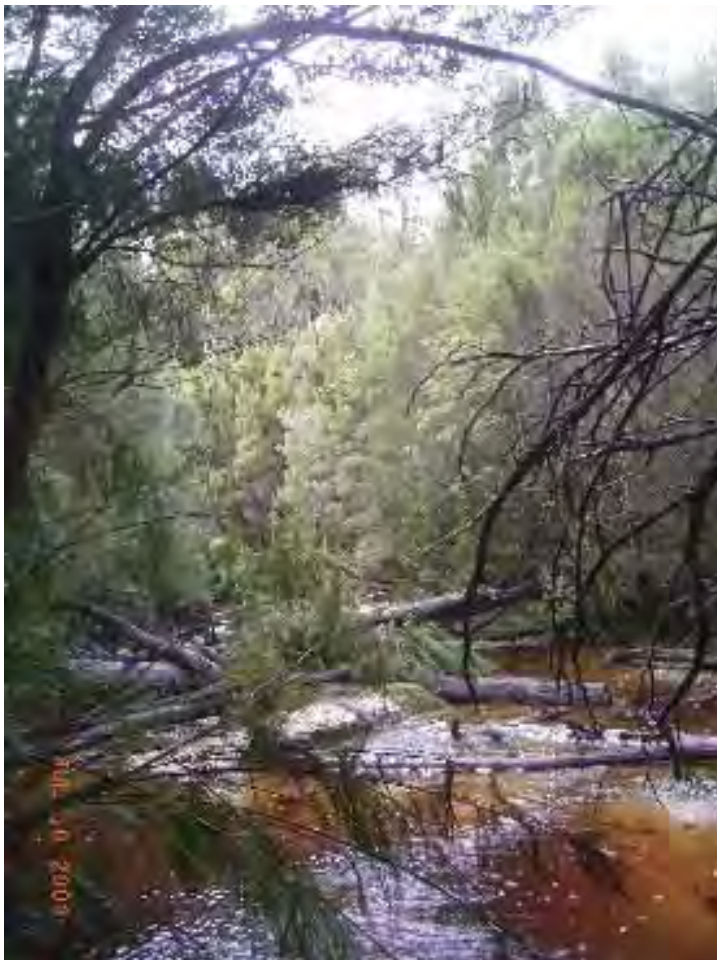


PHOTO 4: Stanley River near SRTEMP02



Venture Minerals Mt Lindsay Magnetite/ Tin Project

Assessment of impacts of exploration on the Tasmanian devil

July 27th 2009
For Venture Minerals

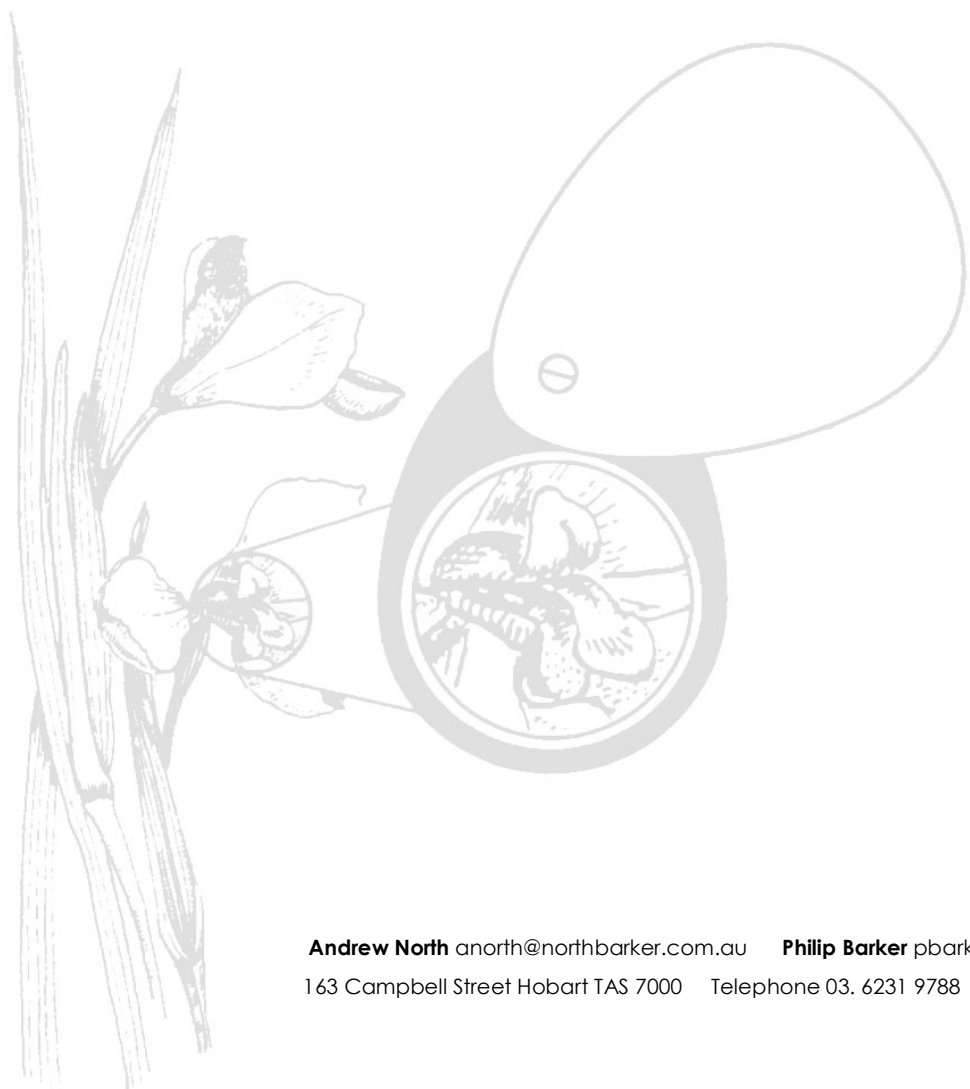


Table of Contents

Introduction	1
Aims	1
Survey and Limitations	1
Results	1
Discussion	2
Figure 1. The location of access tracks, new drill sites and Tasmanian devil habitat and latrine site.	3

Introduction

Venture Minerals Ltd proposed to undertake exploratory drilling on their Mount Lindsay mining exploration tenement near Tullah on Tasmania's west coast. Mineral Resources Tasmania (MRT) have requested the protection of Tasmanian devil (*Sarcophilus harrisii*) den sites along two proposed vehicular access tracks and drill pads. They have also requested the management of devil latrine sites on existing access tracks.

Aims

The aim of this survey is to locate potential dens sites and occupied den sites within 25 m of two proposed access tracks and drill pads within the exploration area. Where dens sites are located the aim is to relocate the access and drill sites such that a 25 m buffer can be maintained and works be excluded from the buffer.

Survey and Limitations

Den sites:

The den search was under taken in July. The sites of the two proposed vehicular tracks and drill pads are situated are on the upper northern and adjoining north eastern sides of Mt Lindsay. The longer of the two ("track 1") is approximately one km long while the shorter ("track 2") is about 600 m long.

The habitat adjacent to the proposed access routes and drill pads was searched on foot for habitat suitable for dens. Sites were identified as potential den sites or occupied den sites.

Latrine sites on existing access tracks:

A search of all existing vehicular tracks in the tenement was conducted for Tasmanian devil latrine sites. This entailed sporadic searching of apparently suitable road sections or driving for about 200 m and walking in both directions of the vehicle location. In this way a generally even coverage was achieved. Particular emphasis was put on searching the few creek crossings in the tenement. All scat sites were recorded by GPS.

Results

Den sites:

Both proposed access tracks for the most part traverse through mature rainforest, fitting the Tasveg mapping unit - *Nothofagus – Atherosperma* rainforest **RMT**. This is characterised by a mostly ferny open structure, with some patches of light horizontal scrub. Old growth myrtles (*Nothofagus cunninghamii*) are frequent with diameters up to two metres. Logs are common while nooks, crannies and hollows are abundant at logs and tree butts. No rock outcrops are present. Despite the abundance of hollows only a relatively small proportion appeared to offer suitable den habitat ie. being dry and deep enough with entrances large enough to be usable.

All suitable sites identified were marked with green tape and their position recorded by GPS along with notes on the type of site and surrounding vegetation. Where sites were found the existing taped route was diverted to avoid the site by 25 m.

Four sites were identified as potential habitat along the route of track 1. Two of these sites were hollows in large myrtle logs while the other two were hollows at the base of myrtle trees. On track 2 five sites were hollows at the base of large myrtles (dead or alive) and one site was a large myrtle log. All site data was recorded and the sites are illustrated in figure 1.

Of all of the potential sites only one site (on track 2) appeared to have signs of active use. An alternative route will be located by Ventures technical staff to comply with the 25 m buffer.

Latrine sites:

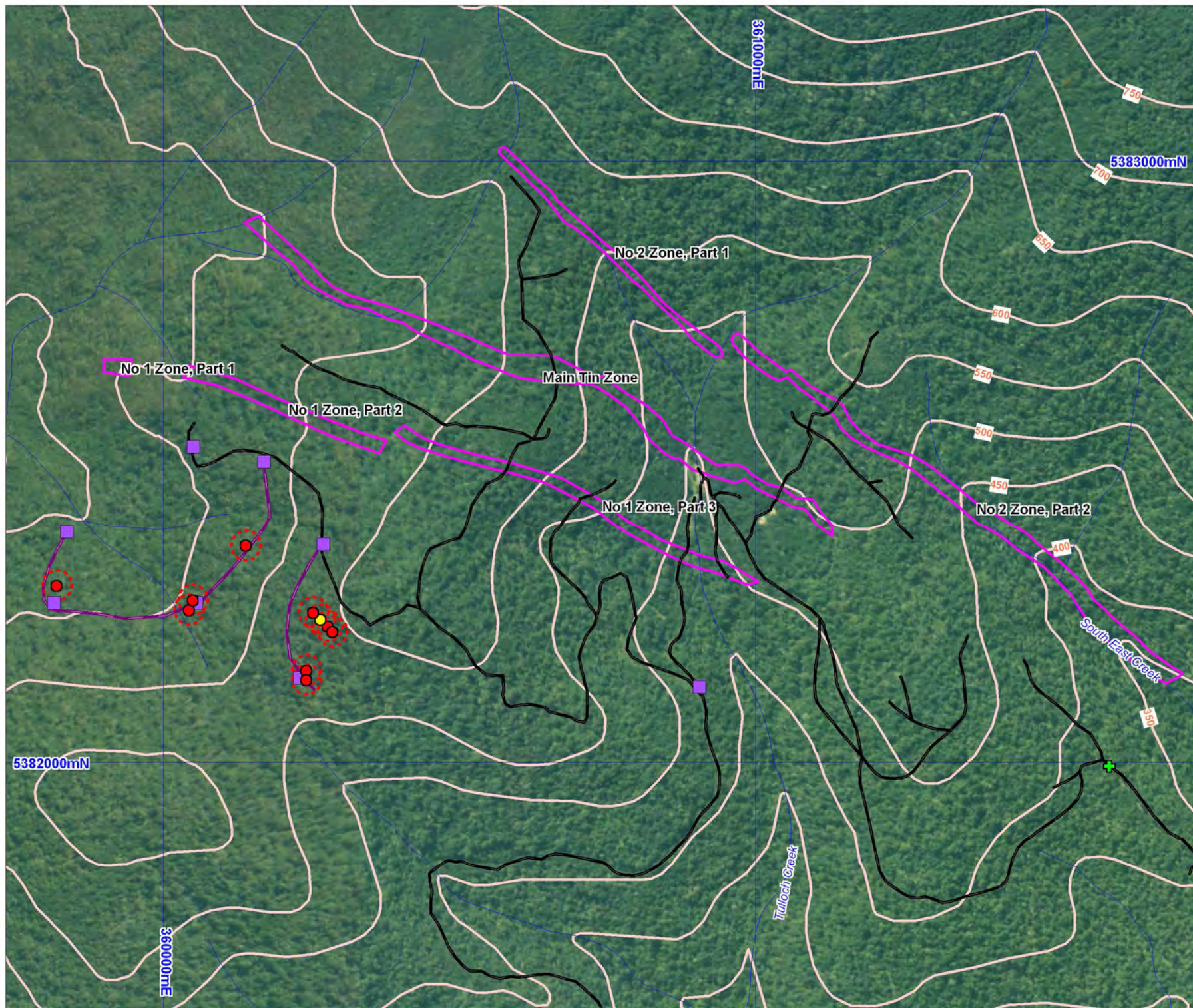
Scats were found to be widely dispersed on the tracks throughout the tenement with one or two scats being present at any one site. Only one latrine site was observed (> 6 scats over 2 m square and this was not at a creek site. All sites are illustrated on figure 1.

Discussion

Based on potential dens sites and scats the Tasmanian devil would appear to have a strong presence within the tenement.

The two proposed vehicular tracks can be realigned with minimal impact on the operation and drill site locations and achieve the protective buffer of 25 m from all sites.

The location of the latrine site should be able to be relocated for “management” if required.



Tasmanian Devil Habitat

- + Latrine
- Potential Den
- Actual Den

25m buffer

Other

- New Drill Sites

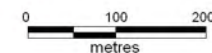
Ore Bodies

Tracks

- Current Tracks
- Proposed Tracks

The mapping has been undertaken using a hand held GPS and subjective interpretation. Consequently it should be considered indicative only.

Base data from theLIST, © State of Tasmania
 Datum: GDA94, AHD Grid: MGA Zone 55



northbarker
 ECOSYSTEM SERVICES

Venture Minerals
Stanley – Livingstone exploration site
Tasmanian devil survey

December 15th 2009



Wade Anthony
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Introduction

Brendan Dempsay of Venture Minerals contacted myself in early December 2009 to undertake a second site survey for Tasmanian devil prior to Christmas.

The survey was to take place at their Stanley – Livingstone mining exploration site along the Reece Dam road on Tasmania's west coast the specific survey site was adjacent to Livingstone Creek within the Stanley River area.

To date Venture Minerals have conducted exploratory drilling at other locations throughout this site.

I was informed by John Pemberton of Mineral Resources Tasmania (MRT) that the intent of the survey should be to identify Tasmanian devil activity for the protection of their habitat within the exploration tenement.

Objectives

The objective of this particular survey was to locate potential or currently occupied den sites within 25m of the proposed drill pads and within the areas where the proposed access roads will be constructed to ensure the clearing of these areas will not impact on Tasmanian devil habitat.

In addition to this the survey identifies any observed devil activity; primarily footprints or scat within the general area.

This assessment was located at specific sites along Livingstone Creek.

Assessment scope

The survey was undertaken on Tuesday 15th December 2009.

Drill sites C, D, E, F & G are located adjacent to Livingstone Creek are spaced approx. 100m apart and situated within a Buttongrass moorland identified under the TasVeg mapping program as 'MBU' Moorland Buttongrass Undifferentiated. The area contained a high shrubby component and was quite wet under foot. The area was surveyed on foot from a reasonably well defined 'muddy walking track' and pink tape was flagged enroute to and at the drill pad sites themselves, GPS coordinates were taken at each of the sites for future reference.

Additionally to the drill pad sites each sites requires the construction of a road to allow the access of plant and machinery to conduct the exploratory drilling. These proposed roads lead off a well used 'gravel vehicle road' at two points and branch off to the individual drill pad sites crossing the creek in two or three places.

Livingstone 4WD Road was walked for several hundred meters adjacent to where the proposed roads will be constructed from, searching for any sign of devil activity primarily scats and footprints.

The proposed access roads leading off the main vehicle road have been cut into rough walking tracks at present. These tracks were also surveyed on foot.

Outcomes

We traveled along Livingstone 4WD Road leading off the Reece Dam road west of the Stanley River to previous drill pad sites A and B located near Livingstone Creek. The Livingstone Creek area is situated in a Buttongrass moorland valley which is quite wet under foot and contains a high shrubby component.

We followed a 'muddy walking (access) track' for several hundred meters adjacent (to the south) of Livingstone Creek branching off the track to locate drill pads C,D,E, F & G which were located on the northern side of the creek.

No footprints or scats were observed along the track or at the creek bed nor were any signs of devil activity around the proposed drill pad sites. Several tunneled 'game trails' were observed through the grassland these were followed to the creeks and revealed no sign. It was determined that these were most likely wallaby or bandicoot.

Livingstone 4WD Road was walked for several hundred meters with particular emphasis on footprint and scat, no sign was observed.

The 'cut tracks' following the access roads to the drill pads were walked from the vehicle track through light dry forest to the muddy walking track in the valley. Again no sign of any devil activity was observed.

Summary

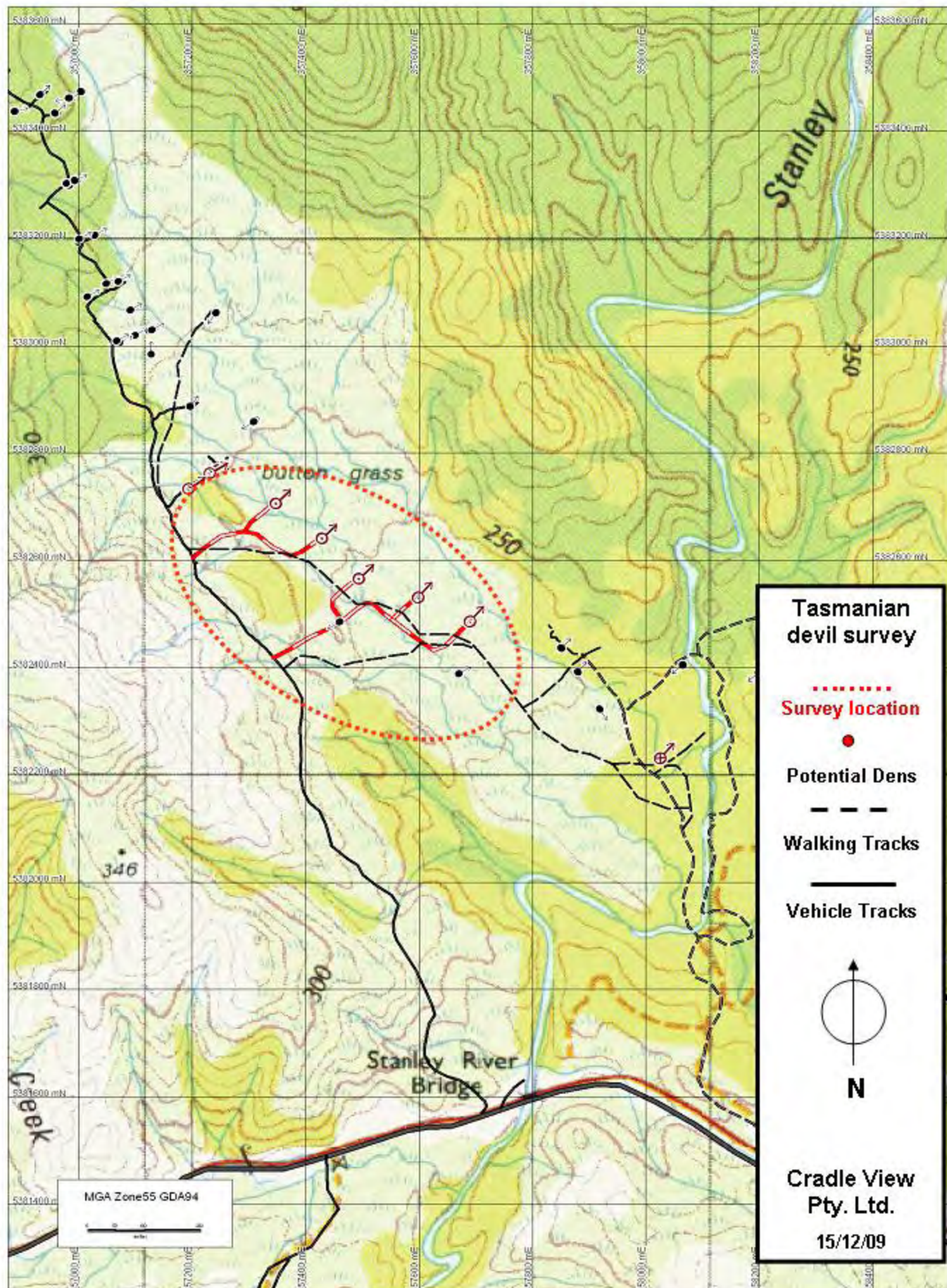
In summary, based on my observations at the Livingstone Creek site I believe the Tasmanian devil does not have a strong presence within this immediate area.

The vegetation type 'MBU' within this area is not ideally suited to the Tasmanian devil I believe due to the lack of suitable den sites and the difficulty of traversing through the moorland.

The fact that not a devil footprint or scat was observed within the moorland, along the 'muddy' track or the 'cut' tracks or even along Livingstone 4WD road support this theory.

The attached topographical map indicates the area surveyed. It is worth mentioning that this map indicates 3-4 creek crossings for the proposed access roads. It was suggested that reducing these creek crossings by altering the proposed road alignments would reduce any potential environmental impacts on the creek catchment. The area that I surveyed took into consideration these possible changes in alignment.

Wade Anthony
Managing Director
Cradle View Pty. Ltd



Venture Minerals Mt. Lindsay Magnetite / Tin Project

Tasmanian devil survey

November 11th 2009



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Introduction

Brendan Dempsay of Venture Minerals Ltd. contacted myself in late October 2007 to undertake a site survey for Tasmanian devil at their Mount Lindsay mining exploration tenement along the Reece Dam road on Tasmania's west coast.

To date Venture Minerals have conducted exploratory drilling at various locations throughout the Mount Lindsay site.

I was informed by Brendan that Mineral resources Tasmania (MRT) have requested the protection of Tasmanian (*Sarcophilus harrisii*) devil habitat within the exploration tenement.

Objectives

The objective of this particular survey was to locate potential or currently occupied den sites within 25m of the proposed drill pads to ensure the clearing around the drill site will not impact on Tasmanian devil habitat.

This assessment was located at specific sites along both Main Road East and Truck road nearby the junction of these two roads.

Assessment scope

The survey was undertaken on Wednesday 11th of November 2009.

Drill sites P36 and P37 are located on Main Road East just past Truck road junction and are spaced approx. 50m apart.

Drill sites P38 and P39 are located on Truck Road approx. 50m from the Main Road East junction and are also approx. 50m apart.

Brendan flagged these sites with pink tape adjacent to the road and gave me the GPS coordinates.

Initially the road was walked from beyond P36 to beyond P39 a distance of approx. 200m searching for any sign of devil activity; primarily scats and footprints.

No scats or any footprints were found along this section of the road.

This was followed by a thorough search (on foot) of the forest on both sides of the road from P36 through to P39 covering an area of approx. 2000sqm, 1000sqm (200m x 50m) on either side of the road. Particular emphasis was given to the buffer areas around the proposed drill sites.

Outcomes

The Mount Lindsay site is located within quite steep terrain of predominantly mature myrtle (*Nothofagus cunninghamii*) rainforest.

Walking along the road from P36 to P39 searching for either foot print or scat revealed no sign of any devil activity within this immediate area.

The survey site within the forest on either side of the road from P36 – P39 revealed many healthy large old growth myrtles (*Nothofagus cunninghamii*) along with many fallen decomposing trees lying on the forest floor.

This particular area was mostly steep terrain with a thick under storey making travel through reasonably difficult.

Whilst several 'potential' den sites were identified within the bases of standing myrtles or within the decomposing core of fallen myrtles no devil activity was present. Four of the most likely 'potential' devil dens were marked with orange marker tape and recorded with a GPS. These were deemed to be the most suitable due to their size, dryness and access to and from. All of which were outside of the 25m buffer zone for the drill pads.

Summary

In summary, based on my observations at the P36 to P39 drill Pad sites I believe the Tasmanian devil does not have a strong presence within this immediate area.

The lack of devil scat and foot prints along this section of road give a good indication of devil movement (or lack of) within or through the site.

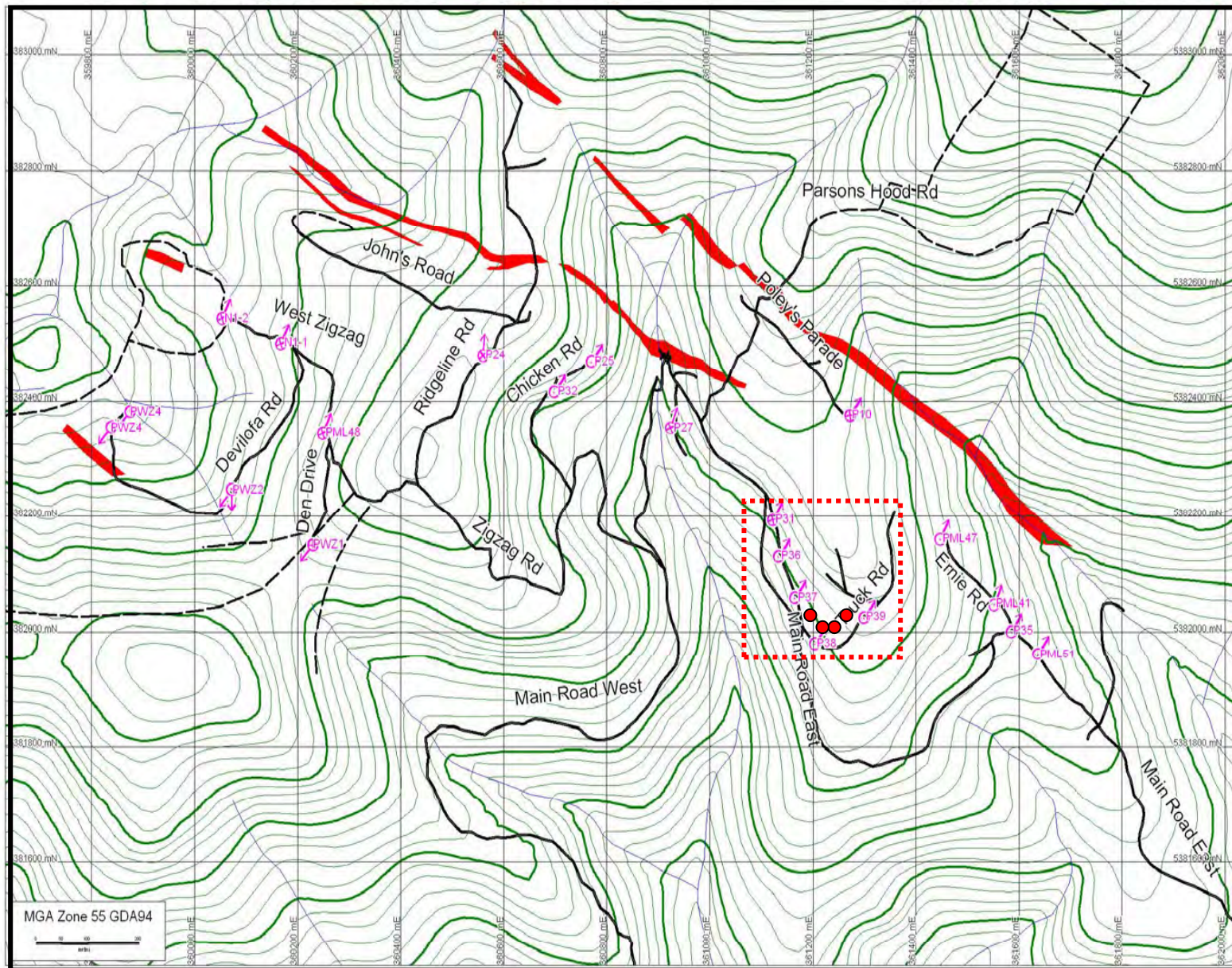
The forest adjacent to the road is both steep and quite dense and whilst there are a number of potentially suitable den sites (or hollow trees) none have any sign of devil activity.

In addition to this site Brendan introduced me to several other areas of the Mount Lindsay site where drilling has occurred. We drove the length of Main Road East, along Zig Zag Road to the end of Devilofa Road and left the site via Main Road West. We briefly inspected the area around Den Drive and Devilofa Road (on foot) where a previous survey was undertaken.

These areas do not form part of this survey however it is worth mentioning no devil scat was observed on the road from the vehicle whilst driving and brief observations at Devilofa Rd and Den Rd revealed no current devil activity.

Discussion with plant operators at one section of the site mentioned a deceased ringtail possum had laid on Zig Zag Rd. for a considerable period of time (several days) before it disappeared.

Wade Anthony
Managing Director
Cradle View Pty. Ltd



Tasmanian devil survey

.....
Survey location

●
Potential Dens

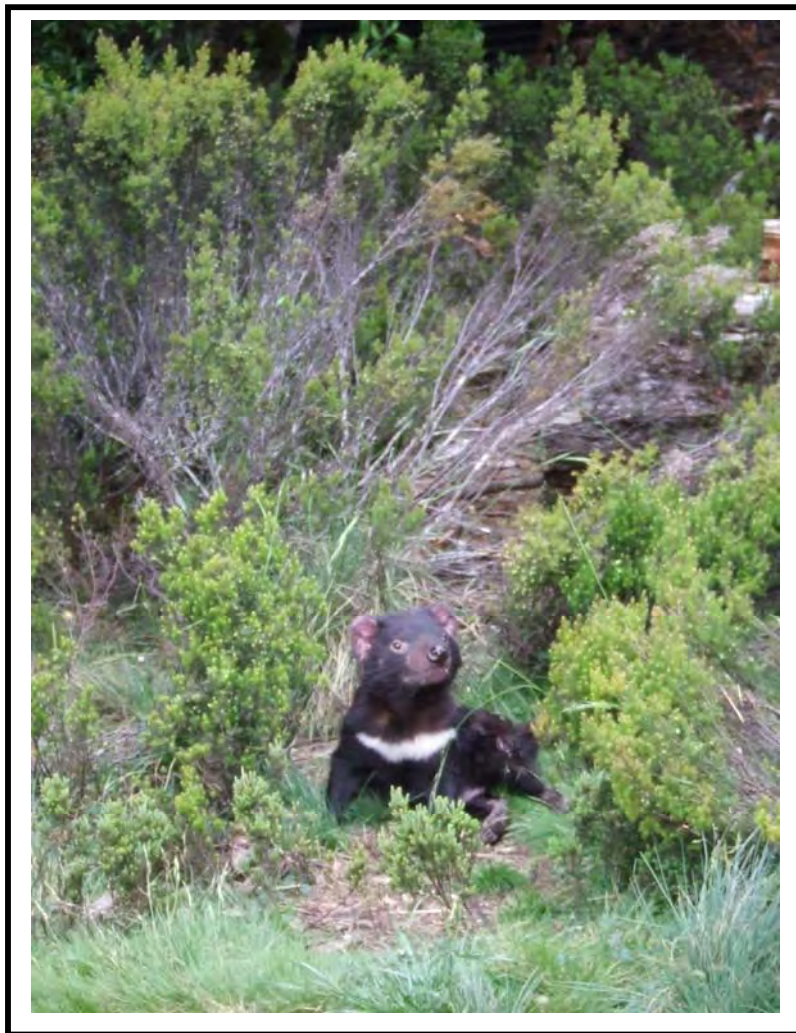
—
Current Tracks

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○
N

Cradle View Pty. Ltd.
11/11/09

Venture Minerals Mount Lindsay Tasmanian devil survey

May 13th 2010



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Introduction

To date Venture Minerals have conducted exploratory drilling in various locations throughout the Mount Lindsay and Stanley – Livingstone exploration sites. I was informed by John Pemberton of Mineral Resources Tasmania (MRT) that the intent of a survey should be to identify Tasmanian devil activity for the protection of their habitat and more specifically locating devil dens sites within the exploration tenement.

I have previously conducted surveys within the Mount Lindsay tenement.

Objectives

- (a) Survey a proposed vehicle track with 5 drill sites along South East Creek.
- (b) Survey additional drill pad sites along existing vehicle tracks adjacent to previously drilled pads.

The objective of this survey is to locate active devil den sites within 25m of the proposed drill pads and within the areas where the proposed access tracks will be cut to ensure the clearing of these areas will not impact on Tasmanian devil habitat.

In addition to this the survey identifies any observed devil activity; primarily footprints or scat within the general area.

Assessment scope

The survey was undertaken on Thursday May 13th 2010.

(a)

Drill sites PSEC 1-5 are located along South East Creek within the Mount Lindsay tenement and are spaced over approx. a 400m area. The intention is to construct a new vehicle access road to link the 5 drill pads from a current vehicle access track.

The proposed new access track linking the pads was walked twice surveying a 10m wide area for the length of the road (approx. 400m) also concentrating on the 5 drill areas where we thoroughly searched a 25m radius around each site.

The road is proposed to run adjacent to South East Creek through a predominantly mature myrtle forest, the grade is relatively steep.

No existing foot tracks are located within the area other than a recently cut track to locate the pads.

(b)

The following pads were identified areas where infill drilling will occur and all are situated along existing vehicle tracks and adjacent to previous drill sites, I was informed a maximum of 5m of vegetation will be impacted to allow a drill rig to position itself.

Pads 8, 9 & 10 along with P41 and P63 located along Poleys parade.

Pads 18, 19, 20, P29 and P49 located along Main Road East below Poleys parade.

Pad P27 located along Magazine Road.

Pads 13, 14 P42, P43 and P44 located along Ridgeline Road.

Pad PML98 located on between Ridgeline Rd and Den Drive.

Pad PW27 located on Den Drive.

Pad P40 located along Main Road West.

Pad 45 and 46 no survey required, previously disturbed area.

These areas were surveyed by walking along the road looking for prints and scats and back covering a 10m strip of vegetation adjacent to the road looking for den sites.

Outcomes

(a)

PSEC 1, 3, 4 & 5 whilst most provided suitable den sites all indicated no sign of any devil activity, however within the survey area for pad PSEC 2 a currently used den was discovered, it is believed this den is used by a spotted – tail quoll as nesting material had been placed and a fresh scat observed.

PSEC 2 for an unknown reason deviated away from the creek more so than the others therefore it was agreed to align the track closer to the creek away from this den, a suitable area was identified approx 30m. down hill from the den.

It is suggested that the larger myrtle trees avoid being fallen where possible as these provide the best den sites and have the greatest impact on nearby dens when fallen.

Only one devil scat was observed on the existing vehicle track whilst none were observed along the proposed road or drill pad sites.

(b)

Poleys parade – several scats (3 – 4) were observed along the road, none of which were fresh. Suitable dens were observed within the larger myrtle trees. It is suggested and seems practical to allow these trees to remain.

Main Road East below Poleys parade – Nearby Truck Road has been surveyed before. The embankment above the road is quite steep and whilst provides potential habitat no sign was observed.

Magazine Road – A narrow strip of steep vegetation exists between Main Road east and Magazine Road, unsuitable for a devil den.

Ridgeline Road – Two old scats were observed on the road in this area, again suitable but no sign of dens.

Between Ridgeline Rd and Den Drive – This site was not recommended as several large myrtle trees would require falling and all are nearby a previously surveyed den site. The opposite side of the road was surveyed as an alternative.

Den Drive – No disturbance to devil habitat.

Main Road West - No disturbance to devil habitat.

It is unlikely that devils would den this close to the road given the heavy machinery and tree falling disturbance however I suggest that where possible the larger myrtle trees be left to allow potential future den sites.

Summary

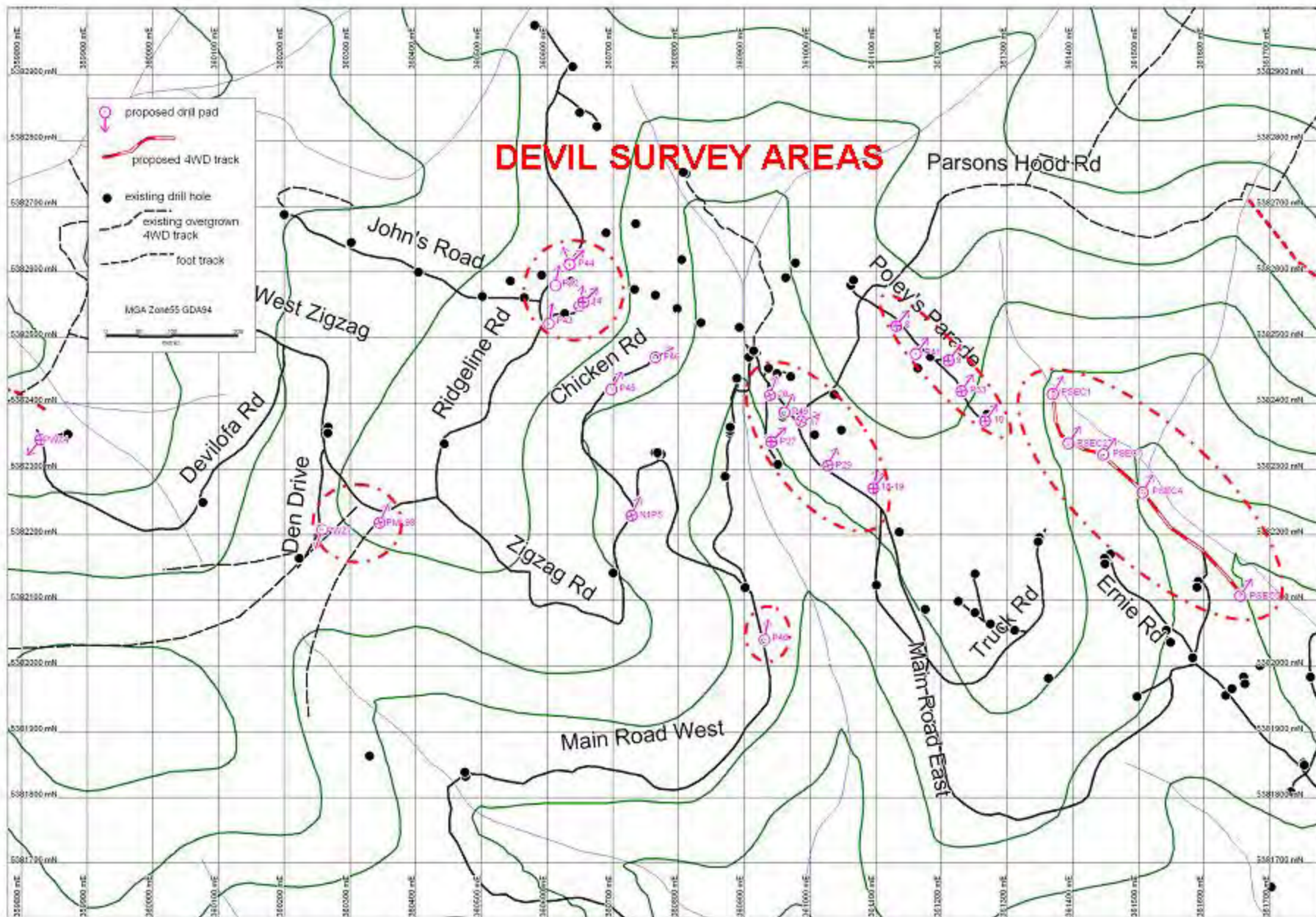
The area was thoroughly surveyed on this visit as previous surveys have shown the Mount Lindsay area has a large amount of mature myrtle forests which provide many suitable dens sites both at the base of the larger living trees and underneath the many fallen trees laying on the forest floor.

While the Tasmanian devil definitely does have a presence within the Mount Lindsay tenement it is difficult to say in what numbers.

Going by the scats alone on the network of tracks I would say not in great numbers however different methods of surveying such as camera monitoring could assist with understanding population dynamics.

The attached map indicates the areas surveyed.

Wade Anthony
Managing Director
Cradle View Pty. Ltd



Venture Minerals News Creek target area Tasmanian devil survey

January 20th 2010



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Introduction

To date Venture Minerals have conducted exploratory drilling in various locations throughout the Mount Lindsay and Stanley – Livingstone exploration sites. I was informed by John Pemberton of Mineral Resources Tasmania (MRT) that the intent of a survey should be to identify Tasmanian devil activity for the protection of their habitat within the exploration tenement.

Objectives

The objective of this particular survey was to locate potential or currently occupied den sites within 25m of the proposed drill pads and within the areas where the proposed access tracks will be cut to ensure the clearing of these areas will not impact on Tasmanian devil habitat. In addition to this the survey identifies any observed devil activity; primarily footprints or scat within the general area.

Assessment scope

The survey was undertaken on Wednesday January 20th 2010.

Drill sites PNC 1 to 7 are located within the News Creek target site within a 3km area.

The intention is to do these exploratory drills with a portable rig dropped in by helicopter so the survey concentrated on the drill pad sites inspecting a 25m radius around each site.

Numerous foot tracks are located within the area so access is relatively easy and will assist with the devil survey in regards to identifying devil movements within the general area as devil tend to follow tracks.

Outcomes

Brendan and I were dropped off at the end of Devilofaroad at the western end of the target area nearest to PNC6 and accessed the sites via a cut foot track.

PNC6 and PNC7 are located on a relatively steep grade within mature myrtle and sassafras forest, many fallen myrtle trees lay rotting on the forest floor providing ideal devil habitat for potential den sites. Devil scat was observed on the foot track whilst walking to these pads and also within the area proposed for PNC7. A thorough search for dens was undertaken within a 50m area whilst many potential dens were present none appeared to have signs of devil activity.

PNC5 is adjacent to an old water race from previous mining of the area again on a relatively steep grade of similar forest type. A thorough search of the proposed area revealed no devil activity in any of the potential den sites.

PNC4 is located adjacent to a small water catchment which runs into News Creek. The proposed site is on relatively flat ground again the vegetation type is predominantly myrtle and sassafras. A thorough search of the proposed area revealed no devil activity in any of the potential den sites.

PNC3 is located in dense scrub on relatively flat ground adjacent to News Creek. This area had limited potential den sites and a thorough search of the proposed area revealed no devil activity in any of the potential den sites.

PNC2 and PNC3 are located within mature myrtle forest with many fallen myrtle trees lay rotting on the forest floor providing ideal devil habitat for potential den sites. A thorough search for dens was undertaken within a 50m area whilst many potential dens were present none appeared to have signs of devil activity.

A number of devil scats and footprints were observed along the last km of track from PNC1 through to the road.

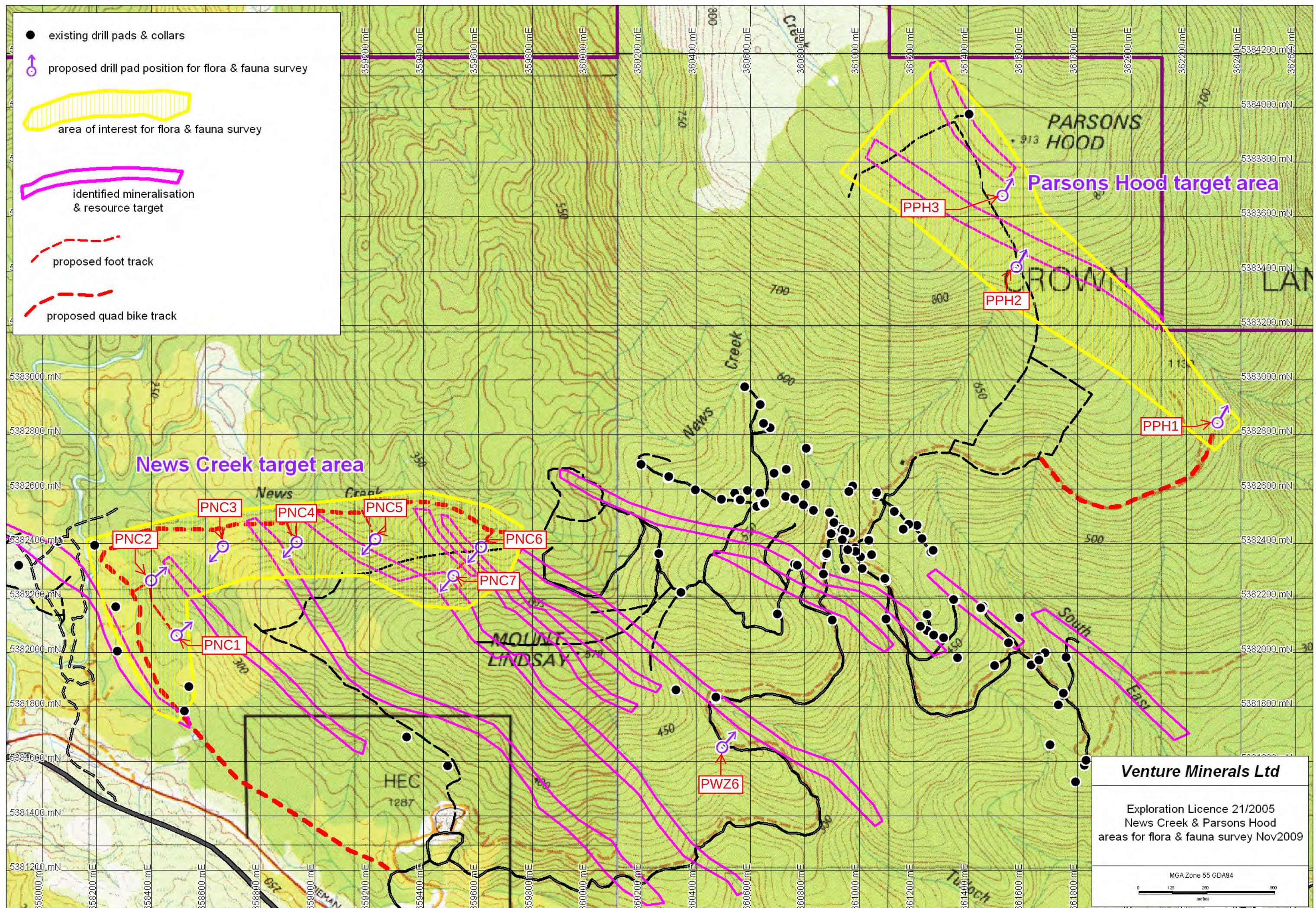
Summary

In summary, based on my observations within the News Creek target area the Tasmanian devil does have a presence within this and area the observation of scats and footprints support this. In addition to this the area provides ideal habitat for Tasmanian devil due to the large amount of potential den sites.

The attached map indicates the area surveyed.

It is worth mentioning that whilst the area appears to provide ideal devil habitat and the observation of scats and footprints indicate activity within the area no active devil dens were observed at all.

Wade Anthony
Managing Director
Cradle View Pty. Ltd



Venture Minerals
Mt. Lindsay exploration site
'Parsons Hood'

Tasmanian devil survey

December 30th 2009



Wade Anthony
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Introduction

Brendan Dempsay of Venture Minerals contacted myself in late December to undertake a third site survey for Tasmanian devil.

The survey was to take place at their Mt. Lindsay mining exploration site along the Reece Dam road on Tasmania's west coast, the specific survey site was located in an area known as Parsons Hood.

To date Venture Minerals have conducted exploratory drilling at several other locations throughout this site.

I have been informed by John Pemberton of Mineral Resources Tasmania (MRT) that the intent of the survey should be to identify Tasmanian devil activity for the protection of their habitat within the exploration tenement.

Objectives

The objective of this particular survey was to locate potential or currently occupied den sites within 25m of the singular proposed Drill Pad PPH1 and along the access track which will be cut to allow the use of All Terrain Vehicles (ATV's). Both of which are located within predominantly mature myrtle forest on a relatively steep grade within the Parsons Hood target area.

In addition to this the survey will identify any observed devil activity; primarily footprints or scat within the general area.

Assessment scope

The survey was undertaken on 30th December 2009.

The drill rig for this particular pad is to be flown in and out of the proposed site by helicopter, the plant operators will access the site via an existing cut track which will be upgraded to allow access by ATV's.

We accessed the site via the cut walking track off Parsons Hood Road.

The track follows a contour line around relatively steep grade through predominantly mature myrtle forest for approx. 1 Km. where the track stops. The last 100m requires traversing a land slip area adjacent to a small creek prior to reaching the site PPH1.

Outcomes

Within a few hundred meters of leaving the vehicle a number of devil scats were observed at a track junction indicating a possible latrine sight for more than one animal.

Progressing along the track revealed several devil scats stretched throughout the track along with many devil foot prints noticed within the muddy sections heading in either direction. In one particular area (due to the size of the prints) it actually appeared to be an adult animal accompanied by young.

In addition to this, approx. 50m after the track ends several scats were observed adjacent to a rotting myrtle tree which lay on the ground, upon further inspection more scats were observed outside the hollow of the rotting tree indicating a possible den site. This den was flagged and GPS points were recorded.

It was a further 50m across several fallen trees caused by a land slip and through a dry creek bed to the actual drill pad site.

Inspecting the drill pad site revealed another den site within the proposed 25 meter clearing area. Again scats were observed adjacent to a rotting myrtle tree which lay on the ground, further inspections revealed a well trafficked tunnel system within the log and a burrow which had been dug at the base of the tree. This den was flagged and GPS points recorded.

Due to this den site this drill pad was deemed unsuitable.

The surrounding area was searched to find a suitable location for another drill pad which would maintain a 25m buffer zone around the den site.

Brendan located an area outside of the buffer zone which would be suitable for clearing and dropping in a drill rig, no devil activity was observed within this area.

Summary

In summary, based on my observations at the Parsons Hood site it is obvious the Tasmanian devil does have a presence within this immediate area.

It is not surprising to find devil activity along this track, devil tend to follow existing tracks within the environment as it allows them to travel easily and relatively quickly when hunting or searching for food.

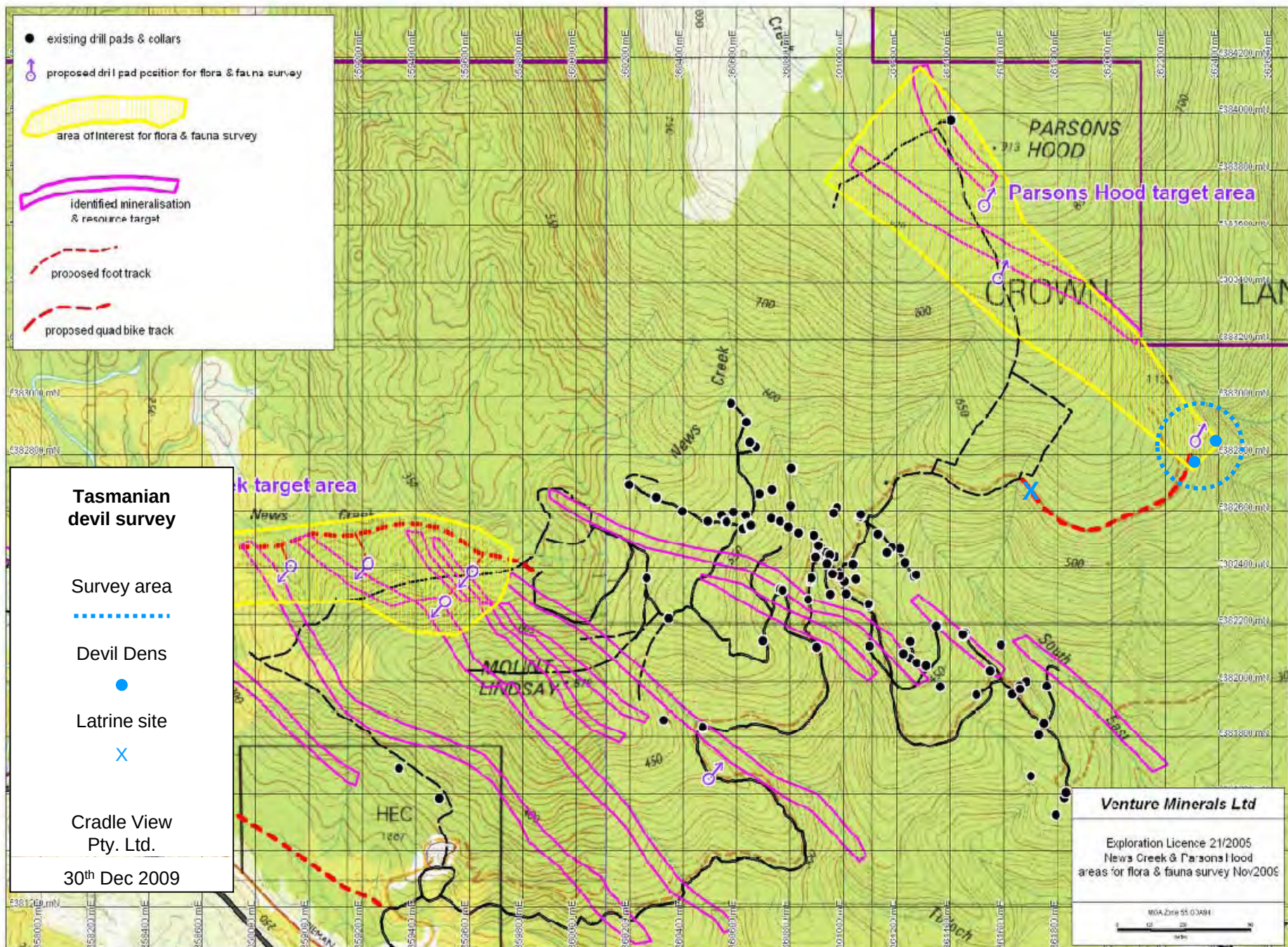
It is my suggestion to minimize the impact on the access track which is to be upgraded to allow ATV access. Brendan indicated that this will be done by hand reducing the impact on the environment. Therefore this should not have any impact on devil habitat.

It is also recommended when the drill pad site PPH1 is cleared (also by hand) that the larger trees are fallen down hill to the North East which will ensure the trees land well away from the den site therefore reducing the impact on the residents.

It is worth noting that the scats observed outside the den sites were not fresh which indicates that dens may not be currently in use.

The attached map indicates the area surveyed and the located den sites.

Wade Anthony
Managing Director
Cradle View Pty. Ltd



Venture Minerals
Mt. Lindsay exploration site
'Parsons Hood' #2

Tasmanian devil survey

February 9th 2010



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Introduction

To date Venture Minerals have conducted exploratory drilling in various locations throughout the Mount Lindsay and Stanley – Livingstone exploration sites. I was informed by John Pemberton of Mineral Resources Tasmania (MRT) that the intent of a survey should be to identify Tasmanian devil activity for the protection of their habitat within the exploration tenement.

Objectives

The objective of this particular survey was to locate potential or currently occupied den sites within 25m of the two proposed drill pads and within the areas where the proposed access tracks will be cut to ensure the clearing of these areas will not impact on Tasmanian devil habitat. In addition to this the survey identifies any observed devil activity; primarily footprints or scat within the general area.

Assessment scope

The survey was undertaken on the 9th February 2010.

The drill rig for pads PPH2 and PPH3 are to be flown in and out of the proposed sites by helicopter, the plant operators will access the site via an existing cut track which will be upgraded to allow access by ATV's.

We accessed the site via the cut walking track off Parsons Hood Road before taking a sharp left and headed up hill towards the top of Parsons Hood. We followed the cut track up a steep incline for approx 600 – 800m before reaching PPH2, PPH3 was approx. a further 200m up the hill.

Outcomes

Within a few hundred meters of leaving the vehicle a number of devil scats were observed at a track junction indicating a possible latrine sight for more than one animal. This site was observed on the previous Parsons Hood survey PPH1 in December 2009.

Progressing along the track revealed a further two devils scats again this part of the track revealed frequent devil movement on the previous survey.

Following the track up the hill towards PPH2 the sign of devil activity decreased, one scat was observed on the track prior to reaching PPH2. Two separate pad options were surveyed approx 50m apart one (a) was located within thick small tea tree scrub with no suitable den sites available and (b) was within mature myrtle forest with an abundance of potential den sites within old trees laying on the ground. A thorough inspection revealed no current usage.

Progressing a further 200m uphill through mature myrtle forest to PPH3 revealed no sign of devil activity and while again an abundance of potential den sites were present at the proposed site no sign was observed.

Summary

In summary, based on my observations at the Parsons Hood site it is obvious the Tasmanian devil does have a presence within this immediate area.

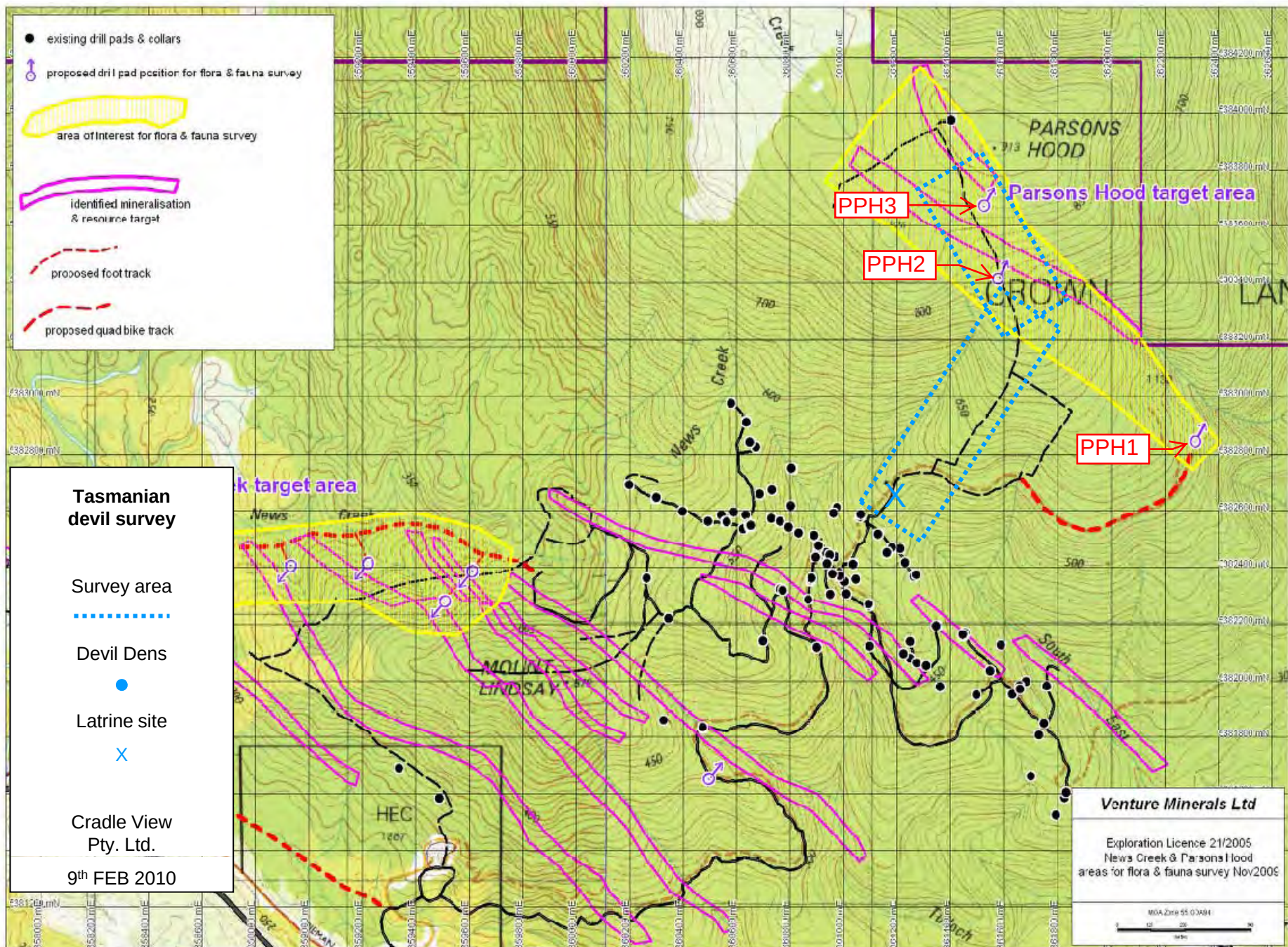
The mature myrtle forests on Parsons Hood provide many denning options for devil and the relatively clear under storey provide easy movement through the forest.

Therefore it is not surprising to find devil activity along these cut tracks, devil tend to follow existing tracks within the environment as it allows them to travel easily and relatively quickly when hunting or searching for food.

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The attached map indicates the area surveyed and the located den sites.

Wade Anthony
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Venture Minerals Stanley Rewards Tasmanian devil survey

May 9th 2010



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Introduction

To date Venture Minerals have conducted exploratory drilling in various locations throughout the Mount Lindsay and Stanley – Livingstone exploration sites. I was informed by John Pemberton of Mineral Resources Tasmania (MRT) that the intent of a survey should be to identify Tasmanian devil activity for the protection of their habitat and more specifically locating devil dens sites within the exploration tenement.

I have previously conducted a survey within this area.

Objectives

The objective of this particular survey was to locate active devil den sites within 25m of the proposed drill pads and within the areas where the proposed access tracks will be cut to ensure the clearing of these areas will not impact on Tasmanian devil habitat.

In addition to this the survey identifies any observed devil activity; primarily footprints or scat within the general area.

Assessment scope

The survey was undertaken on May 9th 2010.

Drill sites PRW 7-15 are located within the Stanley Rewards area and are spaced over approx. a 500m area. The intention is to construct a new vehicle access road to link the 5 drill pads from a current vehicle access track.

The road is proposed to continue on from the existing vehicle track within the Buttongrass at Livingstone Creek into the Tea Tree scrub towards the Stanley River. The gradient is almost flat and it is quite wet under foot.

The proposed new access track linking the pads was walked twice surveying a 10m wide area for the length of the road also concentrating on the 9 drill pad sites where we thoroughly searched a 25m radius around each site.

Several existing foot tracks are located within the area including a recently cut track to locate the pads.

Outcomes

Both the Buttongrass and Tea Tree scrub area don't provide great devil denning as it is very wet under foot even during the summer months however devil scat and footprint has been observed on both previous visits indicating a presence.

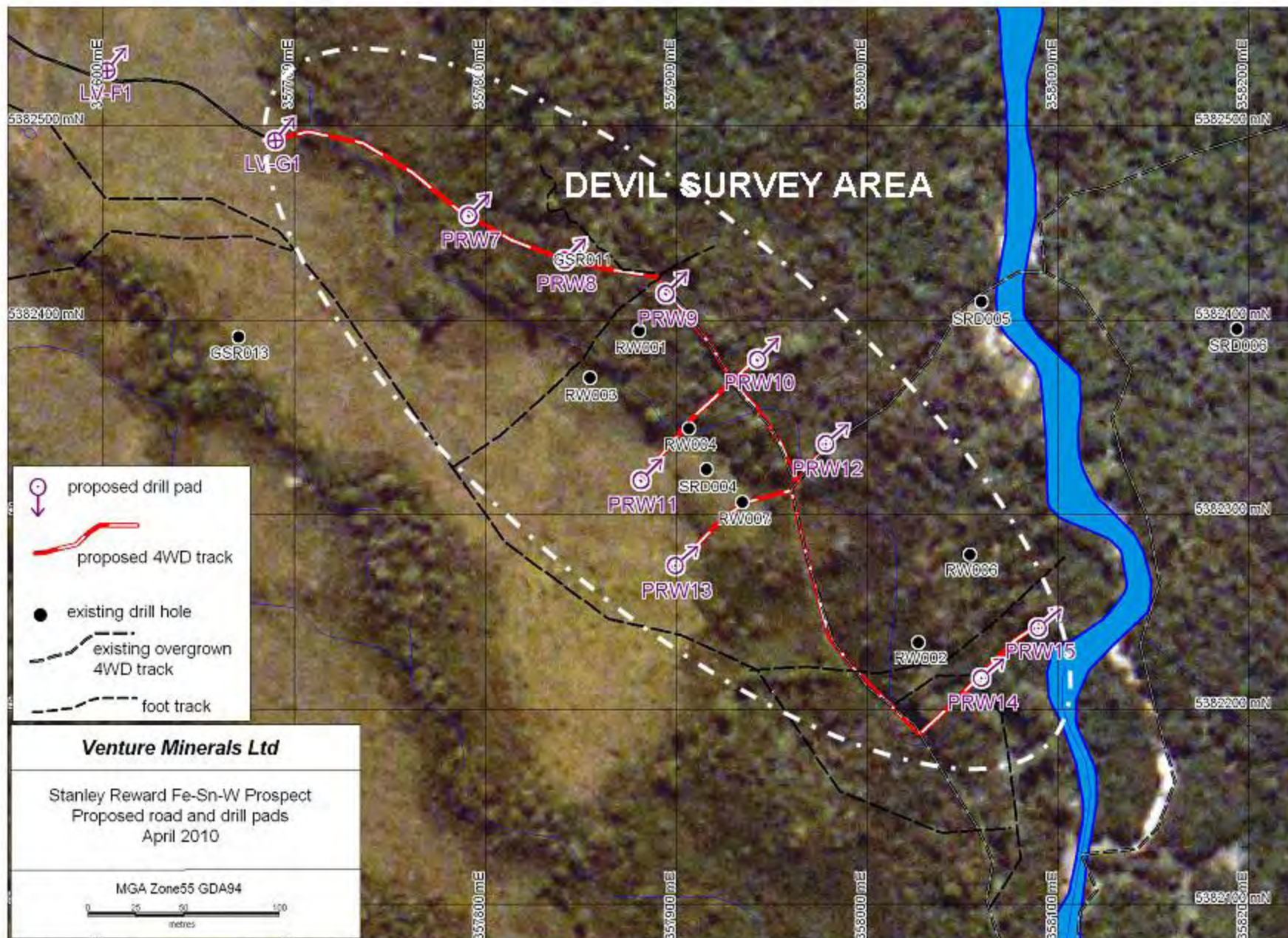
No active devil dens and few suitable dens sites were observed with the proposed road route and the drill pad sites P7 - P15. P14 and 15 were nearby the Stanley River below the flood line.

Summary

In summary, based on my survey observations the Tasmanian devil obviously travels through the area however it does provide many suitable den sites due to the wetness of the ground and the lack of larger trees to provide dry areas suitable for dens.

The attached map indicates the area surveyed.

Wade Anthony
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Venture Minerals
Stanley – Livingstone exploration site
'Stanley Reward'

Tasmanian devil survey

January 12th 2010



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Introduction

Brendan Dempsay of Venture Minerals contacted myself in January 2010 to undertake a site survey for Tasmanian devil.

The survey was to take place at their Stanley – Livingstone mining exploration site along the Reece Dam road on Tasmania's west coast the specific survey site is known as the 'Stanley Reward' within the Stanley River area.

To date Venture Minerals have conducted exploratory drilling at other locations throughout this site.

I was informed by John Pemberton of Mineral Resources Tasmania (MRT) that the intent of the survey should be to identify Tasmanian devil activity for the protection of their habitat within the exploration tenement.

Objectives

The objective of this particular survey was to locate potential or currently occupied den sites within 25m of the proposed drill pads and within the areas where the proposed access roads will be constructed to ensure the clearing of these areas will not impact on Tasmanian devil habitat.

In addition to this the survey identifies any observed devil activity; primarily footprints or scat within the general area.

Assessment scope

The survey was undertaken on Tuesday January 12th 2010.

Drill sites PRW 3, 4, 5, and 6 are located nearby the Stanley River.

The intention is to do this program with a helicopter portable rig so the survey just needed to concentrate on the pads marked (PRW3, PRW4, PRW5 & PRW6) inspecting a 50-100m radius around each site to allow for any adjustments.

Numerous foot tracks & old overgrown 4WD tracks are located in the area so access is easy and will assist with the devil survey in regards to identifying devil movements within the general area.

Outcomes

We parked the vehicle at the car park near Livingstone Creek and accessed the sites via a cut foot track. This track had been walked previously when surveying the Livingstone Creek site. Which found no sign of devil activity.

We continued along this track crossing Livingstone Creek to PRW3 which is located in 'MBU' Moorland Buttongrass Undifferentiated. This drill pad is situated approx. 15m from a small creek. RW001 an older pad is located approx. 30m across the creek within a forest of predominantly Tea Tree scrub.

PRW4 is located approx. 65m from PRW3 and is situated within Tea Tree forest adjacent to a swampy forest floor. This was accessed by pushing our way through dense Tea tree scrub.

PRW5 is located approx. 40m away and is situated within Moorland Buttongrass adjacent to the Tea Tree forest. An existing cut track is nearby which connects to previous drill pads, this was inspected for any devil footprints or scats.

PRW6 is located over 100m away and is nearby RW002 where currently a portable rig is drilling. This was accessed by following some cut foot tracks and pushing our way through a forest of Tea Tree scrub which is also made up of many rainforest species, the forest floor was very wet and soft in most areas.

Summary

In summary, based on my observations at the Stanley Rewards site I believe the Tasmanian devil does not have a strong presence within this immediate area. This area is adjacent to the Livingstone Creek site and the Pads are located in and on the edge of the forest which is quite wet under foot.

The vegetation type 'MBU' and swampy Tea Tree scrub within this area is not ideally suited to the Tasmanian devil I believe due to the lack of suitable dry den sites and the difficulty of traversing through the moorland and swampy forest floor.

The fact that not a devil footprint or scat was observed within the moorland, along any of the foot tracks or 4WD tracks support this theory.

The attached aerial photograph indicates the area surveyed.

It is worth mentioning that the previously drilled site RW001 nearby PRW3 was inspected during the survey and in my opinion the impact made by the clearing of the site was very minimal and will regenerate quickly.

Wade Anthony
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