



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

**Annual Report for the period 22/08/2013 to 21/08/2014**

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# 1 Summary

Exploration Licence 21/2005 located in western Tasmania covered the Main and No.2 Tin-Tungsten-Magnetite Deposits at Mt Lindsay, and several adjacent skarn targets. Activities during the 2014 tenement year have been focussed on granting of the mining lease covering these deposits (7M/2012) and associated environment studies, refinement of metallurgical test work and products, preliminary evaluation of higher-grade, smaller “footprint” development options for the Mt Lindsay-Reward tin-tungsten-magnetite deposits, prospecting of the Castles Lode area, and soil sampling of the News Creek area. Upon granting of 7M/2012 to Venture Minerals in July 2014 the Main and No.2 deposits and immediately adjacent prospects were excised from EL21/2005. Results of the metallurgical, resource and mining studies will be reported to 7M/2012 when completed. The first 69 assays of News Creek soils samples are reported here, but future results will be reported to 7M/2012 (sample collection and assaying is in progress).

The reduced EL21/2005 includes several identified geochemical and/or geophysical tin and tungsten targets within 15 km of the proposed Mt Lindsay mine development, such as the Eastern (Parsons) and Webbs Creek skarns, the North Cashbolt veined greisen and the Lower Harman and Cruncher Creek geophysical/geochemical anomalies. Venture has obtained environmental approval for geochemical sampling of the Cruncher Creek and Lower Harman targets, and is designing field work to explore for high-grade Sn and/or W zones within the previously identified Eastern (Parsons) and Webbs Creek skarns.

# 2 Introduction

Exploration Licence 21/2005 is located 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% WO<sub>3</sub>). Cleveland and Mount Bischoff are situated around the northern margin of the Meredith Granite, and Renison Bell is associated with the 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

Exploration Licence 21/2005 currently covers 84 km<sup>2</sup> and is located approximately 130 km by road southwest of the port of Burnie, and c. 35 km by road from the nearest town

Tullah. Exploration Licence 18/2012 and the southern part of EL33/2007 were amalgamated with EL21/2005 in February 2014. Mining Lease 7M/2012 covering the Main and No.2 Tin-Tungsten-Magnetite Deposits was granted to Venture in July 2014 and consequently excised from EL21/2005. The outline of EL21/2014 as it now stands is shown in 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.

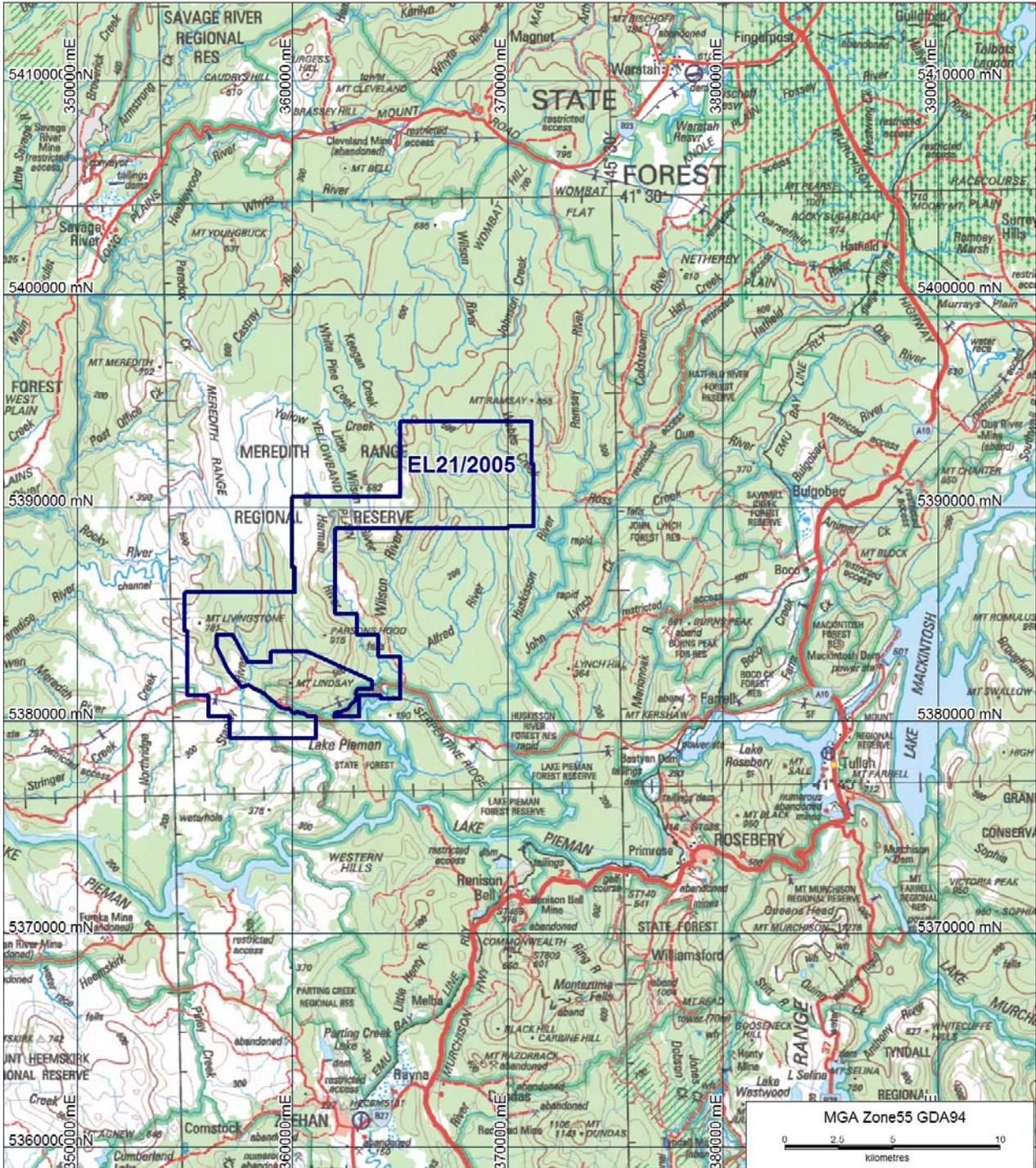


Figure 1: EL21/2005 Location Plan as of August 2014

Elevation within the licence ranges from 100 m above median sea level where Lake Pieman winds around the south western corner, 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 dense patches of dense sub-alpine scrub and button grass over granitic basement, dense regenerating forest and temperate rainforest.

## 4 Exploration and Mining History

Please refer to previous annual reports for reviews of past exploration and mining (e.g. Owen 2008, Owen 2009, Owen 2010).

## 5 Geological Setting and Mineralisation Style

The south western part of EL21/2005 is underlain by northwest striking sedimentary and volcanic rocks of the Neoproterozoic – Early Cambrian Crimson Creek Formation and Success Creek Group and Neoproterozoic Oonah Formation which are intruded to the northwest by the Devonian 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 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±topaz and sericite±siderite greisens.

A broad contact metamorphic aureole is developed around the Meredith Granite, characterised by the development of fine grained amphibole, cordierite, biotite and pyroxene hornfels. Carbonate units are locally present within all of the enclosing sedimentary units and locally form the protolith to a variety of proximal contact skarns, greisenised skarns and more distal carbonate replacement bodies. The principal exploration target for Venture Minerals within EL21/2005 is greisenised skarn and carbonate replacement style tin and tungsten mineralisation, followed by vein and greisen style tin and tungsten mineralisation. The term “skarn” is used in a broad sense to encompass calc-silicate skarn, carbonate replacement and greisen styles of alteration and mineralisation within a carbonate protolith. The mineralisation is largely metasomatic but it

is also likely that some of the early calc-silicate assemblages are to some extent contact metamorphic. The following more specific terms may be applied: (exo)skarn for calcsilicate alteration outside the granite; endoskarn for calcsilicate alteration inside the granite; exogreisen for K, B & F alteration outside the granite; (endo)greisen for K, B & F alteration inside the granite; hornfels for fine grained contact metamorphic rock. Grain size is strongly controlled by protolith: macrocrystalline skarn and greisens were developed from carbonate and granitic protoliths, microcrystalline skarn and greisen from fine grained impure carbonate and siliciclastic protoliths.

Six potentially economic magnetite-tin-tungsten deposits, namely the Main, No.1, No.2, Waterhouse, Eastern and Webbs Creek skarns, are currently identified within EL21/2005 in the sedimentary rocks adjacent to the contact of the Meredith Granite. One potentially significant vein and endogreisen tin prospect, North Cashbolt, is recognised within the Meredith Granite. The Main, No.1, No2, Waterhouse and Eastern skarns are hosted by calcareous sandstone horizons within the Crimson Creek Formation, the Livingstone and Reward skarns by thickly bedded 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 Creek 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 Husetop Granite approximately 45 km directly northeast of Webbs Creek.

Within the identified skarns the rock forming minerals are garnet, vesuvianite, pyroxene, calcite, siderite, quartz, magnetite, pyrrhotite, amphibole, biotite, fluorite, serpentine, olivine, calcite, borates (vonsenite-ludwigite and hulsite), axinite, humite and chondrodite with a supergene goethite+hematite overprint to a depth of up to c. 150 m beneath surface. Minor to trace alteration phases include cassiterite, scheelite, chalcopyrite, arsenopyrite, potassium feldspar, fluoborite, wollastonite, titanite, ilmenite and danalite. Potentially commercial minerals include cassiterite, scheelite, chalcopyrite, magnetite and hematite. Cassiterite is the main tin phase at Mt Lindsay, although borates (vonsenite-ludwigite and hulsite) are important in some proximal low-grade situations. Scheelite is the only significant tungsten mineral, with a little wolframite observed in metallurgical concentrates. Venture's exploration activities to date have been focussed on identifying and defining commercially exploitable zones of magnetite, cassiterite and/or scheelite mineralisation.

All of the identified skarns are zoned both spatially and temporally. The spatial zonation is developed on a scale of 10s to 100s of metres approximately perpendicular to the granite margin and reflects principally proximity to fluid source and protolith type, the importance of the latter decreasing with inferred increasing fluid to rock ratio. In the calcic skarns the zoning ranges from proximal garnet, borate, magnetite and annitic biotite alteration through pyrrhotite and amphibole alteration zones to distal quartz+siderite+cassiterite carbonate replacement and phlogopitic biotite alteration. The pyroxene zone is largely restricted to peripheral impure carbonate and siliciclastic protoliths. The Reward and Livingstone magnesian skarns are broadly zoned from proximal olivine, borates, magnetite, through siderite+cassiterite to distal pyroxene alteration. Temporal zoning ("stages") is indicated by successive replacement textures, and typically comprises early calcsilicate stages, temporally intermediate quartz, siderite, borate, amphibole, magnetite and pyrrhotite stages, and late biotite, fluorite, chlorite and sericite stages. Most of the cassiterite and

scheelite mineralisation observed to date seems to be associated with the intermediate greisenous stages of mineralisation.

More detailed descriptions of the alteration and mineralisation encountered in the various identified deposits can be found in previous annual reports (e.g. Owen 2011, Owen & Pfeifenberger 2012).

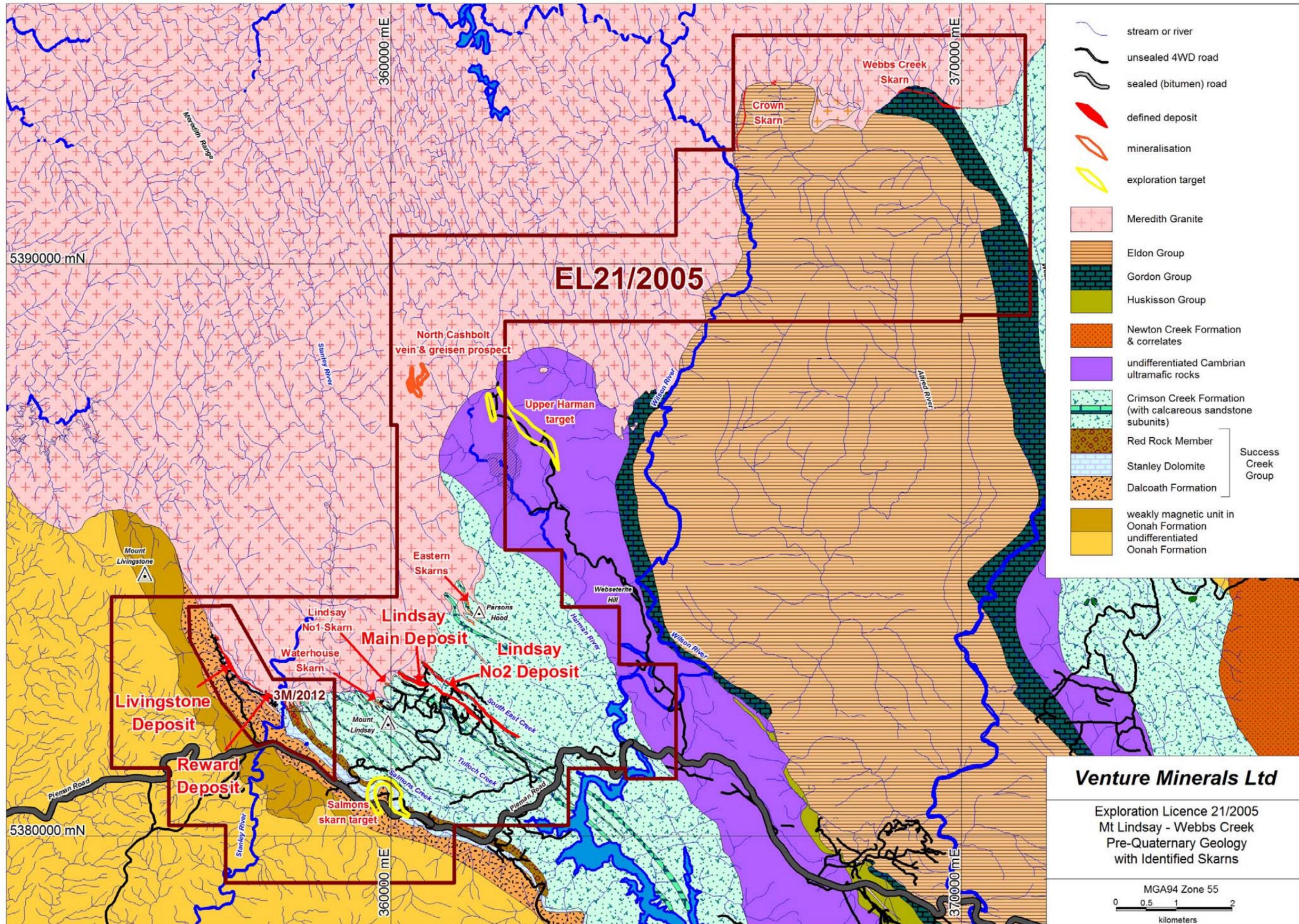


Figure 2: Project Geology

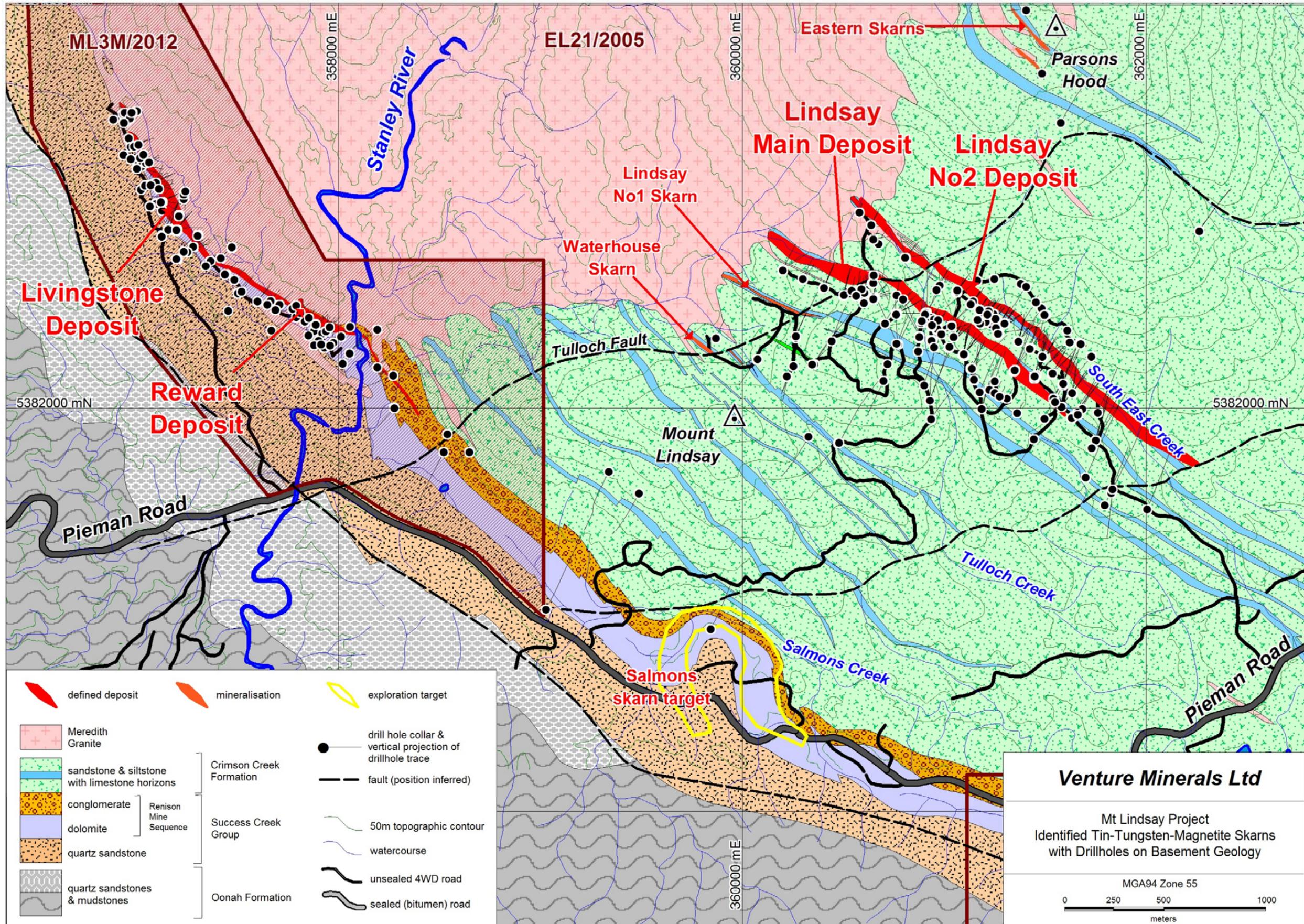


Figure 3. Mt Lindsay - Stanley River Area Geology & Drill Holes

## 6 2013-2014 Anniversary Year Exploration Activities

Work within EL21/2005 subsequent to the completion of a Bankable Feasibility Study into the development of the Main and No.2 Tin-Tungsten-Magnetite Deposits in late 2012 has focussed on granting of the mining lease covering these deposits (7M/2012), refinement of metallurgical test work and products, and preliminary evaluation of higher-grade, smaller “footprint” development options for the Mt Lindsay-Reward tin-tungsten-magnetite deposits. Results of this work will be reported to 7M/2012 when completed. Additional work includes soil sampling at News Creek and prospecting of the Castles Lode area. The first 69 assays of News Creek soils samples are reported here. Collection and assaying of News Creek soils is in progress (campaign basis) and will be reported to 7M/2012 in future. Stream sediment and soil sampling programmes at Cruncher Creek and Lower Harman Sn and/or W targets have been approved by MRT and are expected to be completed in the summer of 2014-2015. On orientation stream sediment sampling programme investigating skarn-associated pathfinder elements has been initiated but results are not yet available.

### 6.1 News Creek

News Creek flows across the north western tips of the Main and No.2 Sn-W-magnetite deposits and adjacent tourmaline greisen, and has been the subject of extensive historical alluvial tin workings and minor hard rock workings. The area has not been investigated in a systematic way for Sn since then. Cassiterite mineralisation in veined greisen is known from several nearby prospects including North Cashbolt, Stanley Reward and Big Wilson, and Venture has initiated soil sampling to evaluate the geometry and tenor of Sn and W mineralisation in vein and greisen zones along strike of the Main and No.2 skarns in News Creek. At Big Wilson the intersection of a NW striking siderite+cassiterite+quartz+tourmaline vein and endogreisen zone with the adjacent exoskarn appears to have localised high-grade Sn mineralisation in the exoskarn. The potential for economic mineralisation within the endogreisen zone is low but the results should give information about geometry of alteration zones associated with the high-grade Sn and W mineralisation in the Main and No.2 skarns.

In the 1970s Aberfoyle and Renison sampled the margin of the News Creek greisen and detected broad zones of low-level (c.20-80 ppm) Sn anomalism. Then in 2011 Venture began extending the soil sampling to the NW of the granite – Crimson Creek Fm contact in News Creek, returning up to 130 ppm Sn. This work was suspended then resumed in autumn 2014 and sampling is currently in progress on a campaign basis. Samples are being collected by hand auger at 20m intervals along northeast trending lines spaced approx. 200 m apart. Lines have not been cut and progress is very slow because of the dense vegetation (Leptospermum scrub, Eucalyptus nitida forest over Leptospermum scrub, and horizontal scrub). Locations are recorded by handheld GPS. The entire program is expected to comprise c. 300-350 samples, and by mid-August 2014 c. 85 B/C horizon samples had been collected. The samples get dried (by drying cupboard) at Venture's shed in Tullah, screened to c. -3mm then assayed by Venture personnel at the same shed using a

Olympus Delta 50 portable XRF. Approx. 69 soil samples have been assayed to date (Figure 4 & Appendix A).

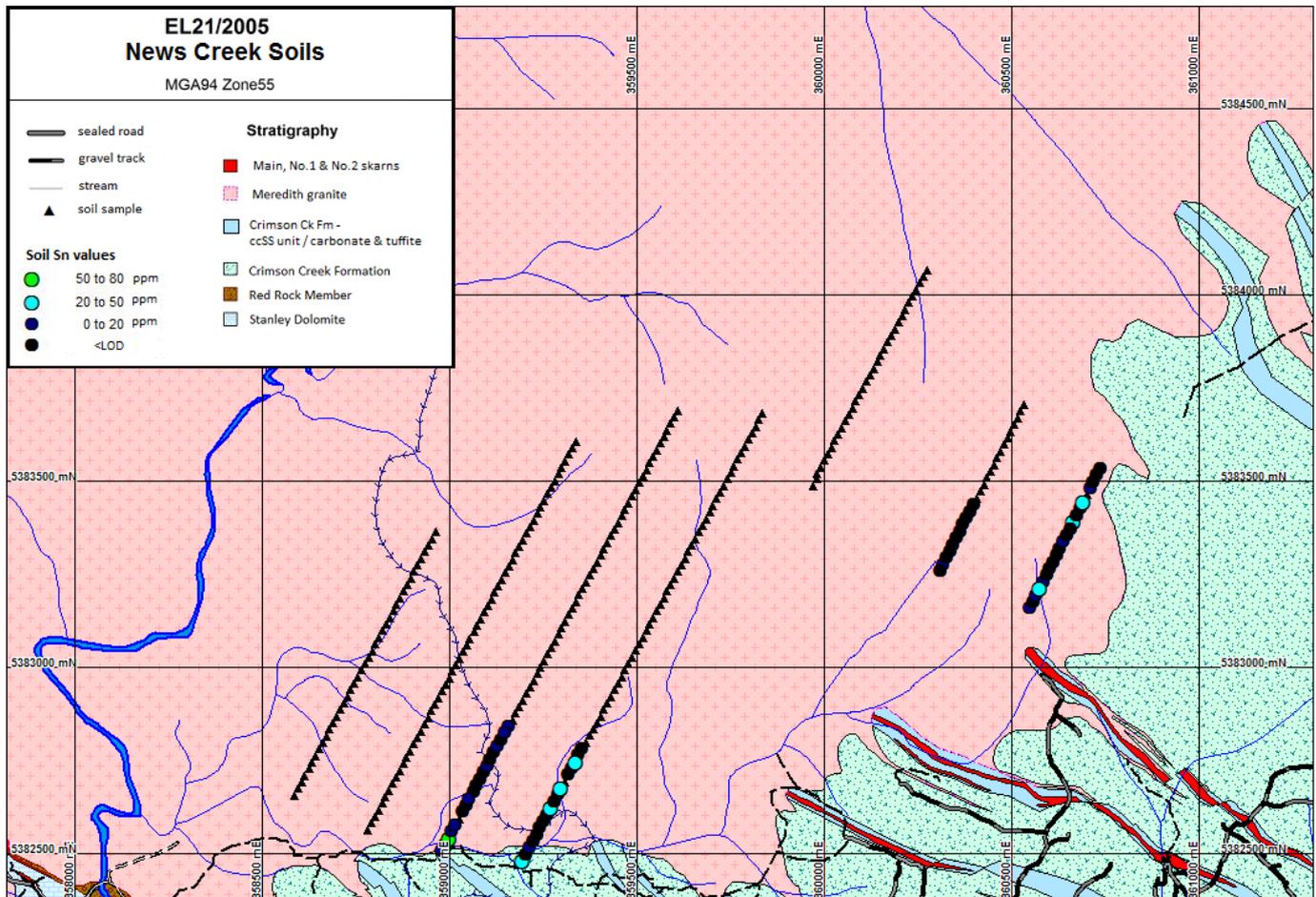


Figure 4 : News Creek soils planned and sampled by August 2014. Sampled soils coloured by Sn ppm.

## 6.2 Castles Lode

According to Waterhouse (1914) there are some small tin workings (shafts and stopes) named Castles Lode on some quartz + cassiterite + green and black tourmaline veins within decomposed granite approx. 1.3 to 1.5 km north of Stanley Reward. Waterhouse (1914) did not attempt to estimate the deposit size and there does not appear to have been any subsequent evaluation of Castle's Lode. Castle's lode is shown on Waterhouse's (1914) map of the Stanley River Tin Fields and location can be reasonably confidently restricted to a c. 250 m radius around 357900mE 5383800mN MGA Zone 55 GDA95. Decomposition of the granite suggests the presence of sulphide as well as the mineralized veins and Venture personnel made two attempts to examine the workings in early 2014. Vegetation is extremely dense Western Wet Scrub and neither attempt managed to find any sign of the Castles Lode workings. The routes taken are shown on Figure 5. Signs of alluvial tin workings were found in dense regrowth in Castle's Creek at least confirming that there may be a significant source nearby. Re-evaluation of Waterhouse's (1914) maps suggests Castles Lode is probably just north of the area inspected and another attempt to find the workings is recommended.

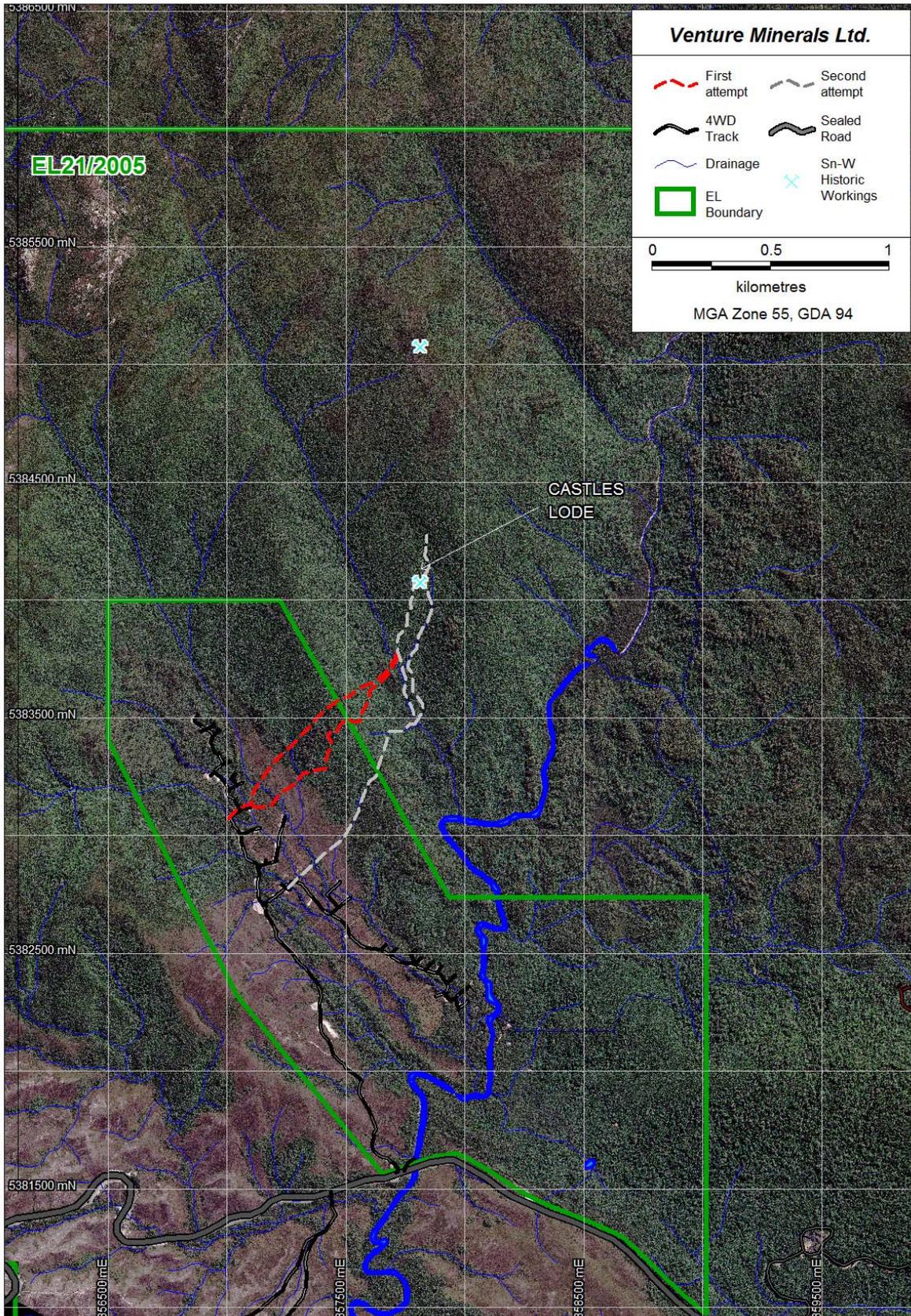


Figure 5 : Estimated location of Castle's Lode and routes taken to find the workings in early 2014.

### 6.3 Cruncher Creek

The Cruncher Creek target is a northwest trending magnetic high within the Oonah Fm. about 800 m southwest of the Livingstone DSO and Sn deposit. Historic soil sampling in the area was negative but did not cover the main part of the magnetite ridge which could represent a “blind” pyrrhotite and/or magnetite replacement zone in dolomite. Cruncher Creek is also at the tip of a prominent northwest trending EM conductor. Pyrrhotite-bearing quartz sandstone float has been collected from Cruncher Creek. Venture has gained MRT environmental approval to conduct soil, stream and rock sampling over the Cruncher Creek target.

The proposed soil samples will be collected by hand auger at c. 20 m intervals along lines approximately 200 m apart (see Figure 6). Stream sediment samples will be collected at suitable locations during the course of soil sampling. Up to 200 stream and soil samples are expected to be collected from the Cruncher Ck target area. Tracks and sampling lines will not be cut, locations will be determined by handheld GPS. The vegetation is mainly composed of Western Wet Scrub, *Leptospermum* Scrub and *Nothofagus* rainforest in gullies not subject to bush fire. Field equipment will be treated for *Phytophthora cinnamomi* prior to the start of each sampling day.

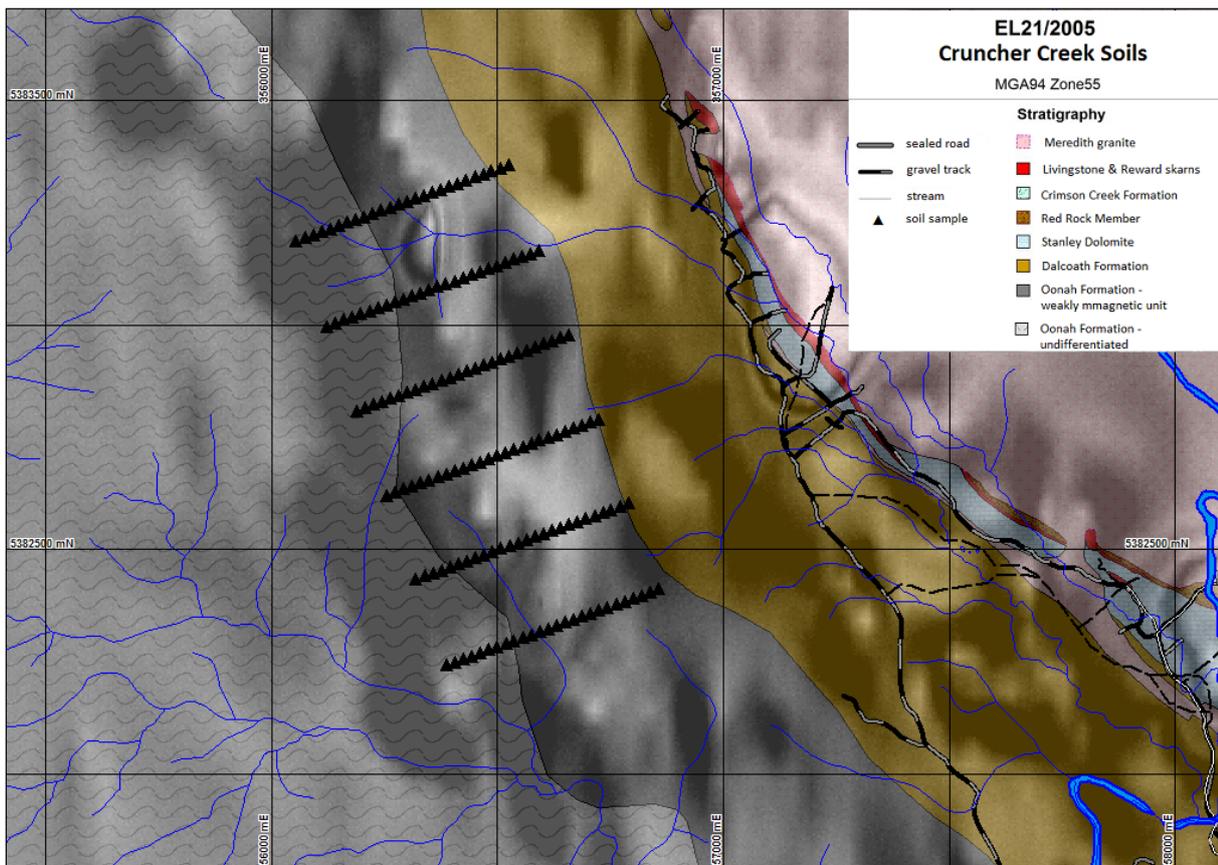


Figure 6: Proposed Cruncher Creek soil sample locations on combined magnetic and basement geology image.

## 6.4 Lower Harman

The Lower Harman target area is located about about 2.5 km northeast of the Main and No.2 Sn+W+magnetite deposits. Historic soil sampling returned up to 364 ppm Cu from a c. 1 km long northwest trending zone within the Crimson Creek Fm adjacent to the Wilson River Ultramafic Complex. The only historic soils assayed by an appropriate method (XRF or fusion) for Sn are at the north western end of the Cu anomaly where up to 110 ppm Sn is reported. To follow up these results Venture is planning soil, stream and rock sampling program and has recently gained MRT environmental approval. Soil samples of c. 1 kg each will be collected by hand auger at c. 20 m intervals along lines approximately 200 m apart (see Figure 7). Stream sediment samples will be collected at suitable locations during the course of the soil sampling. Up to 300 soil and stream sediment samples are expected to be collected from the target area.

Foot tracks and sample lines will not be cut, and sample locations will be recorded by handheld GPS. The vegetation is mainly composed of Western Wet Scrub and Nothofagus dominated rainforest. Field equipment will be treated for *Phytophthora cinnamomi* prior to the start of each sampling day.

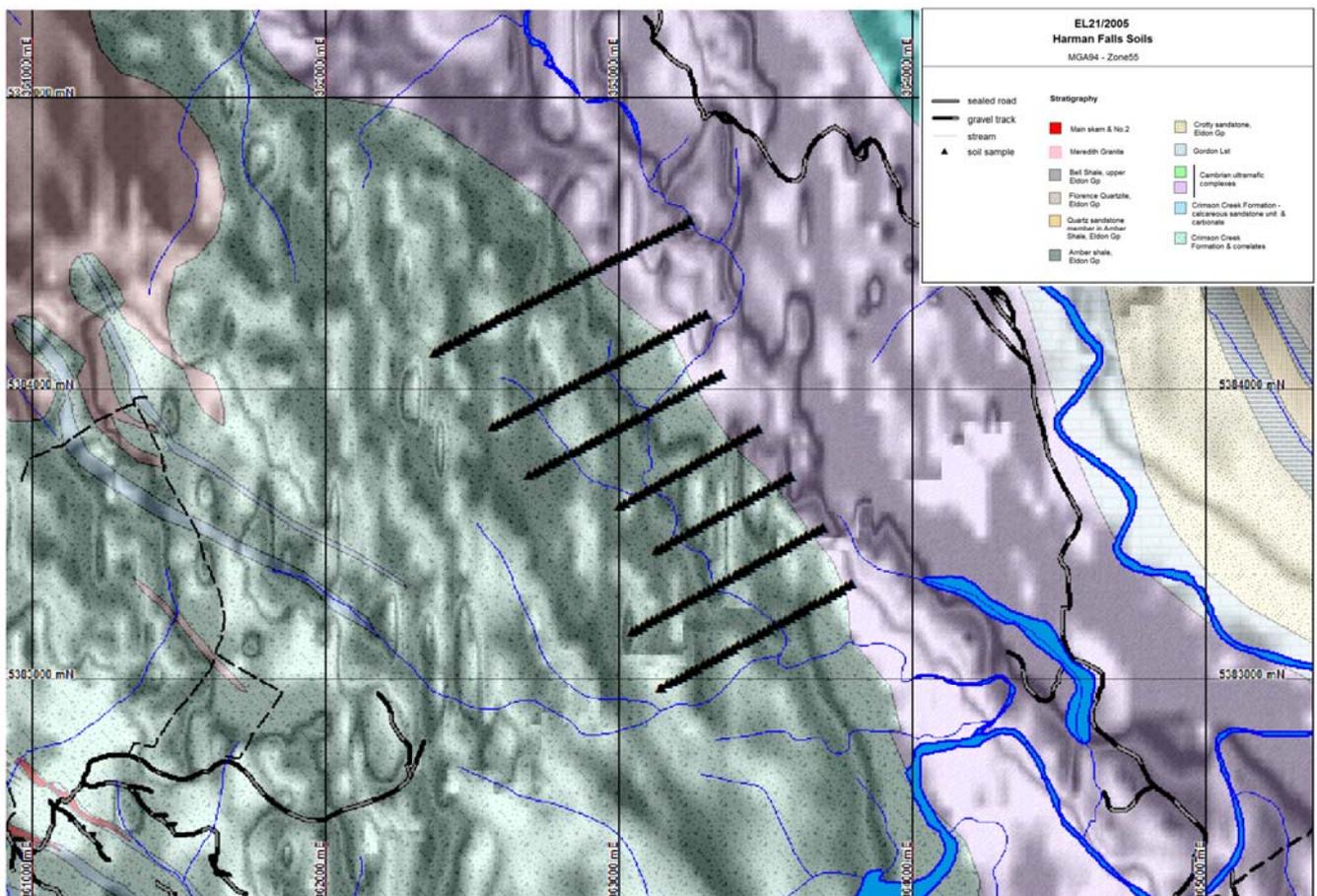


Figure 7 : Proposed Lower Harman soil sample locations on combined magnetic and basement geology image.

## 7 Conclusions and Recommendations

Mining Lease 7M/2012 covering the Main and No.2 Tin-Tungsten-Magnetite Deposits was granted to Venture in July 2014 and excised from EL21/2005. Exploration Licence 18/2012 and the southern part of EL33/2007 were amalgamated with EL21/2005 in February 2014. Exploration activities up until excision of 7M/2012 have been focussed on the Main and No.2 deposits and immediately adjacent prospects such as Waterhouse and No.1 prospects. Venture completed a Bankable Feasibility Study on the Main and No.2 deposits in late 2012 (summary in Owen et al. 2013) and subsequent work has focussed on granting of a mining lease covering these deposits (7M/2012), refinement of metallurgical test work and products, and preliminary evaluation of higher-grade, smaller “footprint” development options for the Mt Lindsay-Reward tin-tungsten-magnetite deposits. Results of this work will be reported to 7M/2012 when completed. Identified tin, tungsten and/or magnetite targets remaining within EL21/2005 after excision of 7M/2012 currently comprise:

- Eastern (Parsons) Skarn where reconnaissance drill testing in 2011 encountered up to 34 m of magnetite bearing calc-silicate skarns within a 200 zone of pyroxene and amphibole microskarn. No significant Sn or W results to date. Mining logistics and potential environmental impact associated with open cutting the Eastern Skarn would be very problematic and the presence of high-grade Sn and/or W bearing structures in the area needs to be established before further drilling is considered.
- North Cashbolt where cassiterite-veined endogreisen occurs over a zone c. 500m long by 100m wide. Vein samples have returned up to 5.3% Sn but bulked grades are likely to be much lower (0.1 to 0.4% Sn) and insufficient to support an underground mining operation.
- Webbs Creek skarns where 5 drill holes by Renison in the 1980s over c. 5 km strike of the Meredith granite margin showed the extensive presence of a modest (up to 12 m thick) magnetite contact skarn with up to 7.5 m at 0.4% Sn. All of the Renison skarn intersections are less than 70 m beneath surface and partly to completely weathered. Most of the Sn encountered is believed to be related to borates (vonsenite and hulsite). The presence of high-grade Sn and/or W bearing structures in the area needs to be established before further drilling is considered.
- Lower Harman target, soil and stream sediment sampling campaign to follow up 364 ppm Cu and 110 ppm Sn in soil anomaly. Soil sampling is expected to start in the summer of 2014-2015.
- Cruncher Creek target, magnetic target in the Oonah Fm adjacent to the Livingstone DSO and Sn deposit, soil and stream sediment sampling is expected to be completed in the summer of 2014-2015. Historic data suggests if there is mineralisation at Cruncher Creek it is likely blind therefore the main thrust with surface geochemistry is to identify the presence of distal geochemical indicators.
- Castles Lode, historic workings associated with cassiterite in veins and potentially greisen. It is recommended that the workings be relocated and examined before soil sampling is considered in such dense vegetation.

All of the above Sn and/or W targets within the reduced EL21/2005 are within trucking distance of the proposed mine development at Mt Lindsay. However, none of these targets have yielded high enough grade or volume to warrant further drilling and it is recommended that Venture focus on defining high-grade structures and/or geometries through geochemistry, geological mapping and modelling and potentially hyperspectral mapping of alteration zones in the granite margin in the 2014-2015 tenement year. Geochemical sampling programmes in progress include Cruncher Creek and Lower Harman targets. Prospecting, geological mapping and stream sediment sampling is planned for the Eastern (Parsons) Skarn and Webbs Creek target area during the 2014-2015 summer.

## 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.

Cartwright, A.J., Komyshan, P., & Roberts, P.A. 1984. E.L. 17/77 Wilson River Area Annual Report for 1983-84. Gold Fields Exploration Pty Ltd.

Comstaff, 1972. (anonymous). Exploration Licence 1/68. 1971/1972 Summer Field Season Report. Meredith Granite Project. [MRT report # 72-0856].

Comstaff, 1973. (anonymous). Exploration Licence 1/68. Meredith Granite Project. 1972/1973 Summer Field Season Report. [MRT report # 73-0953].

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 22/8/2007 to 22/8/2008. 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 22/8/2008 to 22/8/2009. Venture Minerals Ltd. Unpublished report for Mineral Resources Tasmania.

Owen, S., 2010. Mt Lindsay Project. Exploration Licence 21/2005. Annual Technical Report for the period 22/8/2009 to 22/8/2010. Venture Minerals Ltd. Unpublished report for Mineral Resources Tasmania.

Owen, S., 2011. Mt Lindsay Project. Exploration Licence 21/2005. Annual Technical Report for the period 22/8/2010 to 22/8/2011. Venture Minerals Ltd. Unpublished report for Mineral Resources Tasmania.

Owen, S., & Pfeifenberger, S., 2012. Mt Lindsay Project. Exploration Licence 21/2005. Annual Technical Report for the period 22/8/2011 to 22/8/2012. Venture Minerals Ltd. Unpublished report for Mineral Resources Tasmania.

Owen, S., Joughin, S., and Stein, J., 2013. Mt Lindsay Project. Exploration Licence 21/2005. Annual Technical Report for the period 22/8/2012 to 21/8/2013. 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. & Martin, L.A. 1982. Annual Report E.L. 17/77 – Wilson River Area, Western Tasmania, 1981- 82. Gold Fields Exploration Pty Ltd. [MRT report # 82-1857].

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. 1978. Progress Report – September 1978. E.L. 17/77 – Wilson River Area, Western Tasmania. Renison Ltd.

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**

**EL21/2005 Soil sample locations and assays  
22/8/2013 to 21/8/2014**



Appendix A: EL21/2005 Soil Sample Locations and Assays 22/8/2013 to 18/8/2014

H1000	Sample	Prospect	E_MGA55	N_MGA55	Surv_comm	Flora	Depth_cm	Horizon	Colour	Description	Date	Cu	Ag	P
H1001			metres	metres								ppm	ppm	ppm
H1002			10	10										
D	RSF121	News Creek	359158	5382842		Horizontal	40	B	yw-gy	FG sand	21/05/2014	-9	-9	-9
D	RSF170	News Creek	359196	5382481	Near ck	Myrtle/horizontal	40	B	og	soil/nearly cy	8/05/2014	23	-9	-9
D	RSF171	News Creek	359205	5382499		Myrtle/horizontal	25	B	og	soil/nearly cy	8/05/2014	-9	-9	-9
D	RSF172	News Creek	359215	5382516		Myrtle/horizontal	30	B	rd-bn	soil, organic	8/05/2014	-9	-9	-9
D	RSF173	News Creek	359224	5382534	ck bed	Myrtle/horizontal	25	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF174	News Creek	359234	5382552		Myrtle/horizontal	30	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF175	News Creek	359243	5382569		Myrtle/horizontal	30	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF176	News Creek	359252	5382587		Thick horizontal	25	B	gy	gravelly, organic	8/05/2014	-9	-9	-9
D	RSF177	News Creek	359262	5382605	next to wate	Thick horizontal	25	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF178	News Creek	359271	5382622	next to wate	Thick horizontal	40	B	og	soily	8/05/2014	-9	-9	-9
D	RSF179	News Creek	359281	5382640		Thick horizontal, P	20	B	gy	gravelly, rooty	8/05/2014	-9	-9	-9
D	RSF180	News Creek	359290	5382658	water race	Cutting Grass	50	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF181	News Creek	359299	5382675		Cutting Grass	30	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF182	News Creek	359309	5382693		Cutting Grass	40	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF183	News Creek	359318	5382711		Cutting Grass	30	B	gy	fine gravels	8/05/2014	-9	-9	-9
D	RSF184	News Creek	359327	5382728		Cutting Grass	70	B	bn-gy	gravels, organic	8/05/2014	-9	-9	-9
D	RSF185	News Creek	359337	5382746		Cutting Grass	45	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF186	News Creek	359346	5382764		Cutting Grass	40	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF187	News Creek	359356	5382781		Cutting Grass	40	B	gy	gravelly	8/05/2014	-9	-9	-9
D	RSF271	News Creek	360309	5383258		TeaTree	30	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF272	News Creek	360318	5383276		Cutty bush	35	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF273	News Creek	360327	5383294		Cutty bush, Laurel	40	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF274	News Creek	360336	5383312	FG boulders	Cutty bush, Laurel	30	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF275	News Creek	360345	5383329		Cutty bush, Laurel	30	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF276	News Creek	360354	5383347	Wet area	Cutty bush, Laurel	40	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF277	News Creek	360363	5383365	Near FG cliff	Cutty bush, Laurel	30	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF278	News Creek	360372	5383383	Nice view	Cutty bush, Laurel	30	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF279	News Creek	360380	5383401		Cutty bush, Laurel	30	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF280	News Creek	360389	5383419	FG cliff face	Cutty bush, Laurel	30	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF281	News Creek	360398	5383437	6 ft Bauera	Cutty bush, Laurel	30	B	gy	FG sand	15/05/2014	-9	-9	-9
D	RSF297	News Creek	360549	5383158	FG boulders	Horizontal, Teatree	60	B	gy	FG sand	13/05/2014	-9	-9	-9
D	RSF298	News Creek	360558	5383176	FG boulders	Laurel	70	B	gy	FG sand	13/05/2014	-9	-9	-9
D	RSF299	News Creek	360567	5383194	FG boulders	Pandani	15	B	gy	FG sand	13/05/2014	-9	-9	-9
D	RSF300	News Creek	360576	5383212		Pandani	30	B	gy	FG sand	13/05/2014	-9	-9	-9
D	RSF301	News Creek	360585	5383229		Pandani	20	B	gy	FG sand	13/05/2014	-9	-9	-9
D	RSF302	News Creek	360594	5383247	FG boulders	Pandani	30	B	gy	FG sand	13/05/2014	-9	-9	-9
D	RSF303	News Creek	360603	5383265		Pandani	30	B	gy	FG sand	13/05/2014	-9	-9	-9
D	RSF304	News Creek	360612	5383283		Pandani	30	B	gy	FG sand	13/05/2014	-9	-9	-9
D	RSF305	News Creek	360620	5383301		Pandani	30	B	gy	FG sand, wet	13/05/2014	-9	-9	-9
D	RSF306	News Creek	360629	5383319		Pandani	30	B	gy	FG sand, wet	13/05/2014	-9	-9	-9
D	RSF307	News Creek	360638	5383337		Pandani	30	B	gy	FG sand, wet	13/05/2014	-9	-9	-9
D	RSF308	News Creek	360647	5383355		Pandani	30	B	gy	FG sand, wet	13/05/2014	-9	-9	-9
D	RSF309	News Creek	360656	5383373		Pandani	30	B	gy	FG sand, wet	13/05/2014	-9	-9	-9
D	RSF310	News Creek	360665	5383390		Pandani	30	B	gy	FG sand, wet	13/05/2014	-9	-9	-9
D	RSF311	News Creek	360674	5383408		Sassi	25	B	dgy	soily sand	13/05/2014	-9	-9	-9
D	RSF312	News Creek	360683	5383426		Horizontal	30	B	gy	wet FG sand	13/05/2014	-9	-9	-9
D	RSF313	News Creek	360692	5383444		Laurel	30	B	gy	wet FG sand	13/05/2014	-9	-9	-9
D	RSF315	News Creek	360710	5383480		Laurel	20	B	gy	wet FG sand	13/05/2014	-9	-9	-9
D	RSF316	News Creek	360719	5383498		Laurel	25	B	gy	wet FG sand	13/05/2014	-9	-9	-9
D	RSF317	News Creek	360728	5383516		Laurel	20	B	gy	wet FG sand	13/05/2014	-9	-9	-9
D	RSF318	News Creek	360737	5383534		Laurel	25	B	gy	wet FG sand	13/05/2014	-9	-9	-9
EOF														



**Appendix A: EL21/2005 Soil Sample Locations and Assays 22/8/2013 to 18/8/2014**

H1000	Sample	S	Cl	K	Ca	Fe	Zn	Pb	As	Ni	Co	Mn	Cr	V	Ti	Th	Rb	Bi	W	Ta	Sn	Hg	U
H1001		%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1002																							
D	RSF121	-9	0.0499	1.341	-9	1.4305	21.5	6.1	17.1	-9	-9	74	31	33	0.2638	35.3	136.7	-9	-9	26.6	10	6.2	7.7
D	RSF170	-9	0.121	-9	-9	10.71	85	19	18	-9	-9	945	171	232	2.7399	15.1	29.3	-9	-9	18.6	12	-9	7.8
D	RSF171	0.0535	0.1783	-9	-9	17.163	82	19	9.7	-9	-9	891	173	224	2.831	15.3	29	-9	-9	17	-9	-9	8.4
D	RSF172	0.0746	0.2237	-9	0.945	19.229	93	29	-9	-9	-9	1057	125	280	3.0094	14	22.3	-9	-9	11.6	10	-9	7.6
D	RSF173	-9	0.0188	1.198	0.04	0.1724	12.1	5.3	2.7	-9	-9	43	21	10.4	0.0341	16.5	61.1	-9	-9	4.2	-9	-9	5.2
D	RSF174	-9	0.0597	1.168	0.055	0.1897	12.9	8.8	-9	-9	-9	43	20	9.6	0.0557	11.7	75.7	-9	-9	5.9	-9	-9	4.2
D	RSF175	-9	0.0285	1.188	0.03	0.121	11.6	8.1	-9	-9	-9	39	24	12.4	0.0205	17.6	87.8	-9	-9	4.5	-9	-9	-9
D	RSF176	-9	0.0224	0.825	0.048	0.0946	11	6.5	-9	-9	-9	34	30	5.9	0.0249	18.4	66	-9	-9	3.1	-9	2.3	5.8
D	RSF177	-9	0.0231	1.777	0.04	0.224	14.3	8.5	8.2	-9	-9	52	19	10.6	0.0471	20	136.6	-9	-9	8.1	-9	-9	6.1
D	RSF178	-9	-9	2.029	-9	1.7936	20.2	28	18.8	12	-9	56	37	23.1	0.0479	34.7	220.6	-9	-9	12.6	12	4.6	-9
D	RSF179	-9	0.0378	1.077	0.03	0.1656	16.1	12.3	3.4	-9	-9	35	20.2	10	0.0516	23.9	92.2	-9	-9	7.1	-9	-9	5.1
D	RSF180	-9	-9	0.889	0.039	0.2785	15.2	5.8	-9	15	-9	61	30	20.5	0.161	16.6	93.7	-9	-9	6.1	-9	-9	5.3
D	RSF181	-9	-9	0.251	0.014	0.7237	14.6	-9	-9	21	-9	90	53	36.4	0.1676	23.8	11.3	-9	-9	2.8	-9	-9	6.6
D	RSF182	-9	0.0488	1.567	0.063	0.5191	21.7	9.9	3.3	16	-9	110	56	34	0.1906	46.8	165.8	-9	-9	13.3	20	4	6
D	RSF183	0.0151	0.0516	0.402	0.047	0.3385	14.6	-9	-9	16	-9	75	46	24.9	0.2082	28.1	25	-9	-9	4.9	-9	-9	6.6
D	RSF184	0.0112	0.0779	0.155	0.029	0.4221	17.1	-9	-9	12	-9	79	36	19.9	0.2486	17.3	7.9	-9	-9	3.1	-9	2.2	8.6
D	RSF185	-9	0.0243	1.36	0.059	0.4814	13.6	8.1	-9	24	-9	50	20.1	18.2	0.1731	25.1	119.7	-9	-9	6.3	14	2.2	-9
D	RSF186	-9	0.0382	2.092	0.064	0.4781	20.9	13	-9	26	-9	81	38	29.7	0.1536	41	209.5	-9	-9	15.3	-9	4.1	8.5
D	RSF187	-9	0.0491	1.201	0.102	0.2442	15.1	8.4	-9	-9	-9	51	25	14.2	0.1221	19.1	104.3	-9	-9	8.1	-9	2.6	-9
D	RSF271	-9	0.0291	2.631	0.079	0.5269	21	14.1	-9	23	-9	87	44	34	0.2859	49.5	302	-9	-9	15.5	-9	4.3	6.2
D	RSF272	-9	0.0608	2.111	0.14	0.5531	15.4	14.6	-9	-9	-9	72	28	16.8	0.14	35.6	234	-9	-9	11	-9	-9	8.7
D	RSF273	-9	0.0268	2.627	0.092	0.3938	18.9	14.8	-9	18	-9	71	37	24.9	0.1593	34.1	274	-9	-9	11	-9	3.1	8.3
D	RSF274	-9	0.0595	2.158	0.102	0.4085	23.2	13.6	3.3	-9	-9	82	32	22.8	0.171	35.4	291	-9	-9	13.6	-9	4.3	7.2
D	RSF275	-9	0.0215	2.53	0.092	0.4034	21.4	15.1	-9	19	-9	74	45	18.6	0.1148	27	265	-9	-9	10.3	-9	2.6	10
D	RSF276	-9	0.0217	2.221	0.059	0.3451	13.8	10.6	-9	-9	-9	54	16	13.5	0.0981	19.3	207.3	-9	-9	8.3	-9	-9	6.5
D	RSF277	-9	0.0272	2.196	0.114	0.4279	20.3	18.9	3.7	15	-9	75	34	19.5	0.1435	31.4	267	-9	-9	11.2	-9	-9	12.6
D	RSF278	-9	0.0418	2.271	0.149	0.2548	16	16.5	-9	-9	-9	60	24	11.7	0.0823	19	202.4	-9	-9	7.4	-9	3.2	-9
D	RSF279	-9	0.0316	1.79	0.079	0.3748	33.2	16.6	-9	-9	-9	71	23	11.6	0.0777	26.6	202.1	-9	-9	8	-9	-9	7.6
D	RSF280	-9	0.0372	2.622	0.138	0.3649	16.6	13	-9	18	-9	75	42	28.1	0.1364	29.5	293	-9	-9	11	-9	3.7	9.7
D	RSF281	0.0174	0.0224	1.824	0.128	0.4534	18.5	15.1	-9	-9	-9	59	36	12.2	0.0634	11.9	207.6	-9	-9	7.3	-9	-9	-9
D	RSF297	-9	0.0391	2.547	0.026	0.8227	22.5	16.2	5.3	11	-9	81	42	25.9	0.1054	28	359	-9	-9	17.2	9	4.2	-9
D	RSF298	-9	0.1079	2.041	0.087	0.4269	24.9	9.8	-9	27	-9	81	46	28.2	0.2346	72	227	-9	-9	13.4	-9	4.4	14
D	RSF299	-9	-9	2.326	0.071	0.3952	13.7	12.3	-9	-9	-9	99	30	22.4	0.1845	18.8	302	-9	-9	9.1	7	-9	-9
D	RSF300	-9	0.0245	1.5	0.049	0.7269	21.4	16.5	-9	22	-9	60	9.4	10.8	0.1749	23.5	332	-9	-9	12.1	23	3.5	-9
D	RSF301	-9	0.0974	1.992	0.056	0.9404	19.4	17	-9	-9	-9	136	22	21	0.3018	16	263	-9	-9	10	-9	2.8	-9
D	RSF302	-9	-9	1.948	0.067	0.6131	21.5	13.9	-9	-9	-9	174	29	19	0.3945	15	286	-9	-9	10.7	-9	3.5	-9
D	RSF303	-9	0.0833	1.962	0.03	1.0985	25.7	15.6	-9	-9	-9	246	32	32	0.5656	15.5	288	-9	-9	13.7	-9	3	9.9
D	RSF304	-9	0.0313	1.84	0.053	0.6075	15.2	11.9	-9	-9	-9	116	20	14.9	0.2179	10.6	266	-9	-9	9.3	-9	-9	7
D	RSF305	-9	0.039	1.741	0.089	0.9376	20.7	17.6	3.6	-9	-9	110	16	23	0.2224	10.5	259	-9	-9	9.7	-9	2.3	-9
D	RSF306	-9	0.0516	1.706	0.043	0.8515	22.6	18	-9	-9	-9	198	30	23	0.3995	12.6	285	-9	-9	12.4	-9	2.8	-9
D	RSF307	-9	0.0312	2.035	0.075	0.4995	18.4	12.6	-9	-9	-9	135	34	22	0.2708	13.3	263	-9	-9	10.4	9	2.7	-9
D	RSF308	-9	0.0824	1.659	-9	1.5248	23.2	20.4	5.5	-9	-9	147	33	26	0.2936	11	220.6	-9	-9	11.2	-9	2.5	-9
D	RSF309	-9	0.026	1.742	0.052	0.7907	22.2	16.4	-9	-9	-9	161	30	22	0.3096	10.6	267	-9	-9	11.8	-9	2.9	-9
D	RSF310	-9	0.0909	1.553	-9	2.4017	115	16.4	5.6	-9	-9	192	56	31	0.3743	12.9	222.2	-9	-9	11.4	-9	-9	-9
D	RSF311	0.0207	0.0506	1.166	-9	1.9289	35.5	23.2	4.3	-9	-9	242	35	38	0.4163	12.7	194.1	-9	-9	13.3	-9	3.2	-9
D	RSF312	-9	0.0245	1.718	0.066	0.3947	16.6	13.3	-9	-9	-9	96	26	13.4	0.1857	13.7	251	-9	-9	7.8	-9	-9	-9
D	RSF313	0.0134	0.0256	1.566	0.06	0.8757	21.8	16	-9	15	-9	106	19.5	11.5	0.2326	14.4	281	-9	-9	11.5	18	3.4	7.2
D	RSF315	0.0234	0.0816	1.491	-9	2.6237	26.3	20.9	5.5	-9	-9	222	56	43	0.4265	10.9	232	-9	-9	12.7	8	-9	-9
D	RSF316	0.0275	0.0573	1.501	-9	2.1151	27.5	19.2	4.6	13	-9	208	45	41	0.4277	14.7	228	-9	-9	11.8	-9	3.1	5.6
D	RSF317	0.0248	0.0415	1.453	-9	2.8729	32.7	21.2	6.2	13	-9	263	57	53	0.5291	18	208.9	-9	-9	13	-9	3.1	-9
D	RSF318	0.0257	0.0515	1.5	-9	1.9818	31.7	17.8	-9	12	-9	245	48	45	0.5612	12.5	231	-9	-9	10.1	-9	2.5	-9
EOF																							

Appendix A: EL21/2005 Soil Sample Locations and Assays 22/8/2013 to 18/8/2014

H0002	Version													
H0003	Date_generated													
H0004	Reporting_period_end_date													
H0005	State													
H0100	Tenement													
H0101	Tenement_holder													
H0102	Project_name													
H0106	Tenement_operator													
H0150	250K_map_sheet													
H0151	100K_map_sheet													
H0152	50K_map_sheet													
H0153	25K_map_sheet													
H0200	Start_date_of_data_acquisition													
H0201	End_date_of_data_acquisition													
H0202	Data_format													
H0203	Number_of_data_records													
H0204	Date_of_metadata_update													
H0500	Feature_Located													
H0501	Geodetic_datum													
H0502	Vertical_datum													
H0503	Projection													
H0531	Projection_zone													
H0532	Surveying_instrument													
H0533	Surveying_Company													
H0600	Sample_code													
H0601	Sample_type													
H0602	Sample_description													
H0700	Sample_preparation_code													
H0701	Sample_preparation_details													
H0702	Job_no													
H0800	Assay_code													
H0801	Assay_company													
H0802	Assay_description													
H0900	Remarks:													
H1000	Sample	Nd	Ce	La	Ba	Sb	Cd	Mo	Nb	Zr	Y	Sr	Se	
H1001		ppm	ppm	ppm	ppm	ppm	ppm							
H1002														
D	RSF102	-9	-9	-9	-9	-9	-9	5.4	47.2	377	42.3	13.2	3.3	
D	RSF103	-9	216	102	34	-9	-9	-9	27.7	343	293	9.5	-9	
D	RSF104	-9	205	79	56	-9	-9	-9	21.4	398	353	20.7	-9	
D	RSF105	-9	-9	57	69	-9	-9	-9	20	242	159	23.3	-9	
D	RSF106	-9	-9	-9	71	-9	-9	-9	29	305	187	17.2	-9	
D	RSF108	-9	-9	-9	-9	-9	-9	-9	27.5	-9	-9	128	-9	
D	RSF109	-9	-9	-9	-9	-9	-9	-9	24.2	3.5	-9	50.3	-9	
D	RSF110	-9	-9	-9	-9	-9	-9	-9	25.6	-9	-9	120	-9	
D	RSF111	-9	-9	-9	58	-9	-9	3.6	27.3	293	165	13.3	-9	
D	RSF112	-9	86	76	-9	-9	-9	-9	23.4	627	478	14.9	-9	
D	RSF113	-9	-9	-9	-9	-9	-9	-9	24.4	56.5	57.3	119	-9	
D	RSF114	-9	97	-9	-9	-9	-9	-9	28.5	613	383	15.3	-9	
D	RSF115	-9	-9	-9	-9	-9	-9	-9	10.9	262	182	4	-9	
D	RSF116	-9	101	-9	-9	-9	-9	-9	21.9	419	292	7.3	-9	
D	RSF117	-9	-9	-9	76	-9	-9	-9	20.2	283	178	17	-9	
D	RSF118	-9	-9	-9	-9	-9	-9	-9	8.5	267	207	7.7	-9	
D	RSF119	-9	-9	-9	-9	-9	-9	-9	8.4	182	193	5.3	-9	
D	RSF120	-9	63	49	-9	-9	-9	-9	12.1	324	201	8	-9	

**Appendix A: EL21/2005 Soil Sample Locations and Assays 22/8/2013 to 18/8/2014**

H1000	Sample	Nd	Ce	La	Ba	Sb	Cd	Mo	Nb	Zr	Y	Sr	Se
H1001		ppm	ppm	ppm	ppm	ppm							
H1002													
D	RSF121	-9	105	65	65	-9	-9	2.3	26.9	309	177	10.2	-9
D	RSF170	-9	-9	-9	45	-9	-9	4.6	39.8	367	37.4	19.5	3.1
D	RSF171	-9	-9	-9	-9	-9	-9	4.8	31.9	352	40.6	32.3	-9
D	RSF172	-9	-9	-9	-9	-9	-9	3.5	25.3	356	50	22.3	2.7
D	RSF173	-9	-9	-9	-9	-9	-9	-9	-9	61.2	118	2.6	-9
D	RSF174	-9	-9	-9	-9	-9	-9	-9	8	80.1	105	3.8	-9
D	RSF175	-9	-9	50	-9	-9	-9	-9	8	81.4	111	3.2	-9
D	RSF176	-9	-9	-9	-9	-9	-9	-9	13.4	127.4	144	4.8	-9
D	RSF177	-9	-9	-9	-9	-9	-9	-9	14.7	126.8	127	6.1	-9
D	RSF178	-9	-9	-9	55	-9	-9	4.4	18.1	140.6	121	6.7	-9
D	RSF179	-9	74	-9	-9	-9	-9	-9	13.6	154	145	8.3	-9
D	RSF180	-9	-9	-9	36	-9	-9	-9	10.4	171	111	7.4	-9
D	RSF181	-9	-9	53	-9	-9	3.4	-9	3.1	182	146	5	-9
D	RSF182	-9	123	58	56	-9	-9	-9	16.1	311	254	16	-9
D	RSF183	-9	-9	-9	-9	-9	-9	-9	10.4	300	199	9.1	-9
D	RSF184	-9	-9	-9	-9	-9	-9	-9	8.6	235	195	7.4	-9
D	RSF185	-9	72	67	88	-9	-9	2	7.8	197	118	9.9	-9
D	RSF186	-9	63	63	103	-9	-9	-9	13.3	280	297	16.4	-9
D	RSF187	-9	-9	-9	43	-9	-9	-9	14.1	194	90	17.4	-9
D	RSF271	-9	130	62	81	-9	-9	-9	37.5	316	273	15.8	-9
D	RSF272	-9	93	52	73	-9	-9	-9	17.9	249	207	16.8	-9
D	RSF273	-9	137	57	93	-9	-9	-9	20.3	260	247	14	-9
D	RSF274	-9	82	59	95	-9	-9	-9	31.9	295	245	17.7	-9
D	RSF275	-9	-9	-9	47	-9	-9	-9	17.8	166	225	10.9	-9
D	RSF276	-9	64	-9	56	-9	-9	-9	9	89.8	102	8.8	-9
D	RSF277	-9	-9	-9	63	-9	-9	-9	23.4	228	236	17.5	-9
D	RSF278	-9	-9	-9	40	-9	-9	-9	13.6	113.8	107	12.3	-9
D	RSF279	-9	-9	-9	-9	-9	-9	-9	21	165	216	10.9	-9
D	RSF280	-9	-9	-9	70	-9	-9	-9	16	190	203	17.4	-9
D	RSF281	-9	-9	-9	90	-9	-9	-9	5.8	87.6	87	13.1	-9
D	RSF297	-9	-9	-9	66	-9	-9	2	18.4	136.7	114	11.6	-9
D	RSF298	-9	178	97	46	-9	-9	-9	54.1	461	586	17.3	-9
D	RSF299	-9	-9	-9	47	-9	-9	-9	8.4	86.1	100	8.4	-9
D	RSF300	-9	-9	-9	47	-9	-9	-9	14.9	117.4	145	11.9	-9
D	RSF301	-9	-9	-9	51	-9	-9	2.7	18	135	118	12.5	-9
D	RSF302	-9	-9	-9	49	-9	-9	-9	19.7	124.9	109	10.5	-9
D	RSF303	-9	-9	-9	64	-9	-9	-9	21.8	162	107	12.1	-9
D	RSF304	-9	-9	-9	-9	-9	-9	-9	10.6	67.2	62	8	-9
D	RSF305	-9	-9	-9	35	-9	-9	-9	11.2	81.4	71	8.5	-9
D	RSF306	-9	-9	-9	65	-9	-9	2	18.6	124.3	91	9.1	-9
D	RSF307	-9	-9	-9	43	-9	-9	-9	8.8	84.5	83	7.9	-9
D	RSF308	-9	-9	-9	54	-9	-9	-9	18.4	110.3	85	15.4	-9
D	RSF309	-9	-9	-9	37	-9	-9	-9	11	95.6	81	12.8	-9
D	RSF310	-9	-9	-9	45	-9	-9	-9	17	143	86	13.1	-9
D	RSF311	-9	-9	-9	-9	-9	-9	-9	23.1	158	97	20	-9
D	RSF312	-9	-9	-9	-9	-9	-9	-9	7.9	69.4	97	7.2	-9
D	RSF313	-9	-9	-9	40	-9	-9	-9	12.2	91.5	93	10	-9
D	RSF315	-9	-9	-9	72	-9	-9	-9	20	104.7	69	18.3	-9
D	RSF316	-9	-9	-9	56	-9	-9	-9	17.2	111.2	71	11.7	-9
D	RSF317	-9	-9	-9	53	-9	-9	-9	21.5	159	92	17.3	-9
D	RSF318	-9	-9	-9	43	-9	-9	-9	17.3	113.1	79	12.7	-9
EOF													