



**Serpentine Ridge
Exploration Licence 45/2010**

Annual Technical Report for the period 30/05/2011 to 30/05/2012

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1 Summary

Exploration Licence 45/2010 was granted to Venture Minerals Ltd on 30th May 2011 and activities during the first anniversary year were focussed on the Big Wilson and Merton Hill tin-tungsten targets and Riley Creek iron laterite deposits. Activities included geological mapping, rock chip, soil and stream sediment sampling (46, 1007 and 5 samples respectively), test pitting (184 excavator pits) fauna and flora surveys, resource estimation and mining scoping studies. Surface geochemistry results from the Big Wilson Sn-W-magnetite Prospect are very positive and preparations are under way for helicopter supported drilling programme. Results are incomplete for the Merton Hill area. The test pitting work at the Riley Laterite Deposits has allowed successful delineation of an Inferred Resource of 2 Mt at 57% Fe using a 53% Fe lower cut-off. A preliminary mining scoping study suggests Riley Laterite Areas A and C can be developed profitably and Venture is currently conducting follow-up activities necessary to advance the project to mining.

2 Introduction

Exploration Licence 45/2010 is located within the tin-tungsten province of western Tasmania and includes part of the southern margin 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 Renison Bell (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% WO₃). EL45/2010 is situated immediately east of Venture's EL21/2005 which includes the Main and No.2 Sn-W-magnetite deposits at Mt Lindsay and the Livingstone and Reward Sn-W-Fe deposits in the Stanley River area. Previous exploration and mining indicates the potential for Sn & W ± Cu ± Pb ± Zn ± Ag mineralisation at Merton Hill and around the confluence of the Little Wilson and Wilson rivers.

EL45/2010 also includes part of the Wilson River Ultramafic Complex which is prospective for nickel and PGM mineralisation. Most of the streams draining the Wilson River Ultramafic Complex were prospected and mined for alluvial osmiridium in the early 1900s, with some alluvial deposits also yielding small amounts of gold. Much of the ultramafic complex is covered with a thin, residual lateritic soil, and at several locations, most notably Riley Creek and the Wilson River ford, there are residual and colluvial deposits of ferruginous laterite to several metres thick. The ferruginous laterite deposits at Riley Creek have been previously evaluated by Callina NL for chromite and platinoids, and now Venture is investigating the Direct Shipping iron Ore (DSO) potential.

3 Location and Access

EL45/2010 covers c. 59 km² and is located c. 100-130 km by road southwest of the port of Burnie, and c. 20 km by road from the nearest town Tullah (Figure 1). The southern boundary of the licence is approximately 4 km north of the Renison Bell tin mine. The

licence is covered by the Pieman 1:100,000 map sheet, and Parsons and Roseberry 1:25,000 map sheets. Topography is moderately rugged, the most notable topographic features comprising Serpentine Ridge and Websterite Hill. Average annual rainfall is approximately 2000 mm and vegetation is dominated by temperate rainforest, with dense scrub over ultramafic and granitic basement, and in areas of regenerating forest.

The bitumen HEC Pieman Road and Transend transmission lines traverse the southern half of EL45/2010, and a mixture of HEC, forestry and mineral exploration roads provide good access throughout much of the tenement south of the Wilson River. Access to the northern part of the licence is currently best obtained via a 4WD road from the Wilson River over Websterite Hill to the upper Harmen area, or by helicopter. Principal land uses include State Forest, Regional Reserve, and Forest Reserve. Parts of the State Forest area south of the Pieman Road are currently being logged.

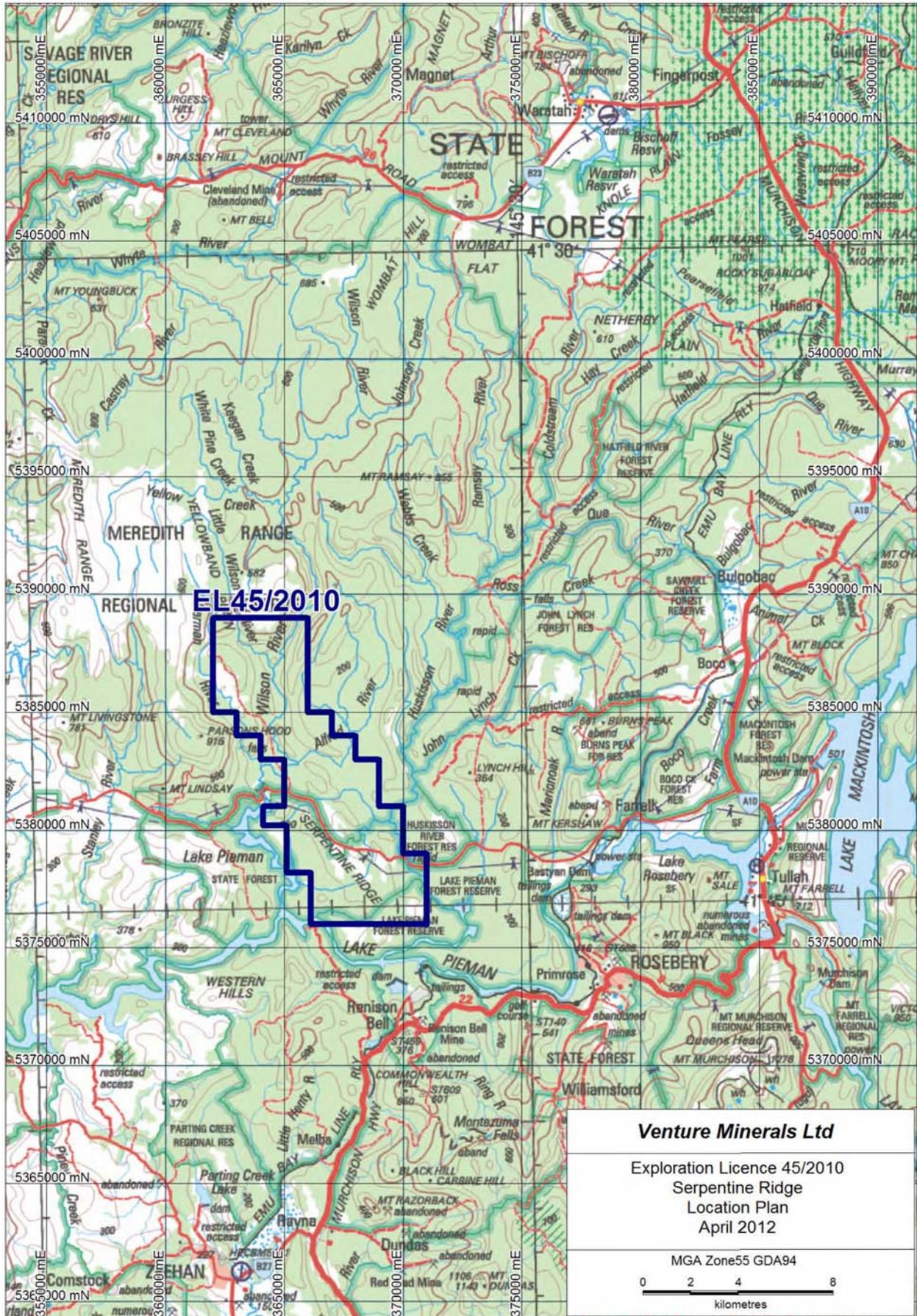


Figure 1: Location Plan

4 Geological Setting

EL45/2010 is situated in the Dundas Trough of western Tasmania and underlain from west to east by the Crimson Creek Formation, the Wilson River Ultramafic Complex (WRUC), the Dundas and Gordon groups, and the Eldon Group (Figure 2). Sedimentary stratigraphy is largely steeply dipping to vertical. The Meredith Granite rims the northern extent of the licence and dips away at a modest angle beneath the sedimentary and ultramafic units, albeit complicated by numerous irregular granitic dykes, shelves and apophyses. Preliminary interpretation suggests several phases of granite intrusion culminating in late stage quartz-tourmaline veining and the localised development of quartz-tourmaline-topaz greisen.

The Neoproterozoic - Early Cambrian Crimson Creek Formation 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, and EL45/2010 includes minor amounts of the upper Crimson Creek Formation along its western edge (Figure 2).

The WRUC occupies the central NW-trending spine of the licence and general interpretation is that the WRUC is entirely fault bounded, the lower margin against Crimson Creek Formation, the upper margin against Devonian conglomerates, quartz arenites, siltstones and marls of the Eldon Group and locally slivers of the Cambrian Gordon Limestone. Radiometric dates are not available for the WRUC and a Neoproterozoic to Cambrian age has been estimated according to stratigraphic constraints (e.g. Brown 1986). A major episode of folding during the Devonian formed the northwest to north trending Huskisson Syncline, and contact metamorphism indicates emplacement of the WRUC into the current stratigraphic position prior to the intrusion of the Meredith Granite around 370 Ma. Vein and replacement-style tin and tungsten mineralization appears to be associated regionally with the intrusion of the Meredith Granite. The WRUC is part of a group of similar ultramafic bodies scattered along the Dundas and Adamsfield troughs in northwestern and western Tasmania. The WRUC is one of the largest exposed ultramafic bodies in the Dundas Trough at approx. 17 km long and up to 2 km wide, and was presumably continuous with the Mt Stewart ultramafic body ca. 11 km to the north-northwest before intrusion of the Meredith Granite. Brown (1986) identified two petrogenetically distinct ultramafic successions within the WRUC:

1) Layered Dunite-Harzburgite succession (LDH), comprising fine to medium-grained, well-layered dunite, orthopyroxene-bearing dunite, and harzburgite composed of olivine, enstatite, chromite, and serpentine after the former silicate phases. Layering ranges from ca. 10 mm to 400 mm thick, with a primary bedding-parallel foliation defined by the primary alignment of enstatite and chromite crystals in the plane of bedding. There is also typically a later foliation defined by flattening of olivine crystals. Both olivine and orthopyroxene occur as cumulous phases, and chromite an accessory phase (1-5%) typically most abundant in the dunite layers. Discontinuous chromite laminations individually up to ca. 1-2 mm thick and 1-2 m long are locally present in the LDH. Brown (1986) mentions the occurrence of PGE-rich chromite nodules in LDH of the Serpentine Ridge

area. The western 100-150 m of the LDH in the Harman River area consists of interlayered dunite pyroxene-bearing dunite, and the eastern part layered harzburgite with minor thin dunite layers (Brown 1986).

2) Layered Pyroxenite-Dunite succession (LPD), consisting of fine to medium-grained well-layered orthopyroxenite, olivine orthopyroxenite, and dunite. Layering is typically thinner than in the LHD, ranging up to 150 mm thick but mostly a few millimetres to 20 mm thick. Olivine and orthopyroxene dominate with accessory amounts of clinopyroxene (1-2%) and chromite (1-2%). Chromite is more common in the dunite layers. The layering sequence dunite-orthopyroxenite-dunite-orthopyroxenite is the most common, followed by dunite-orthopyroxenite-olivine orthopyroxenite-orthopyroxenite.

According to Brown (1986) serpentinite shears or faults separate the LDH and LPD everywhere and the original relationship of the two successions is unclear. The exposed WRUC is dominated by the LDH sequence. Two small, unfaulted blocks of LPD have been mapped by Brown (1986) in the Websterite Hill area and the southern part of the complex comprises LPD.

Although fault bounded, the prevalence of orthopyroxene over clinopyroxene, absence of protoclastic textures, and lack of stratigraphically associated sheeted dyke and pillow lava units suggests the WRUC is not ophiolitic. Brown (1986) proposed intrusion of ultramafic bodies into the opening Dundas Trough during the Early Cambrian followed by tectonic re-emplacment prior to the Devonian. The presence of serpentinite pebbles and abundant detrital chromite within Huskisson Group sedimentary rocks at Merton Hill (Adamus observations) and Red Lead Conglomerate of the correlative Dundas Group in the Mt Razorback area (Brown 1986) suggests exposure and partial erosion of the ultramafic complexes prior to the Middle Cambrian.

Quaternary fluvio-glacial sediments and Quaternary-Recent alluvial gravels cover minor parts of the WRUC. Osmiridium, gold, and chromite are locally concentrated in the Quaternary-Recent alluvial gravels. Patches of laterite and saprolite are locally present over the WRUC representing a mixture of in situ relicts of a more extensive Tertiary lateritic blanket and Quaternary-Recent colluvial-alluvial deposits. Goethitic soils are widespread over Serpentine Ridge and the Websterite Hill area.

Significant deformation is recognised in the 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).

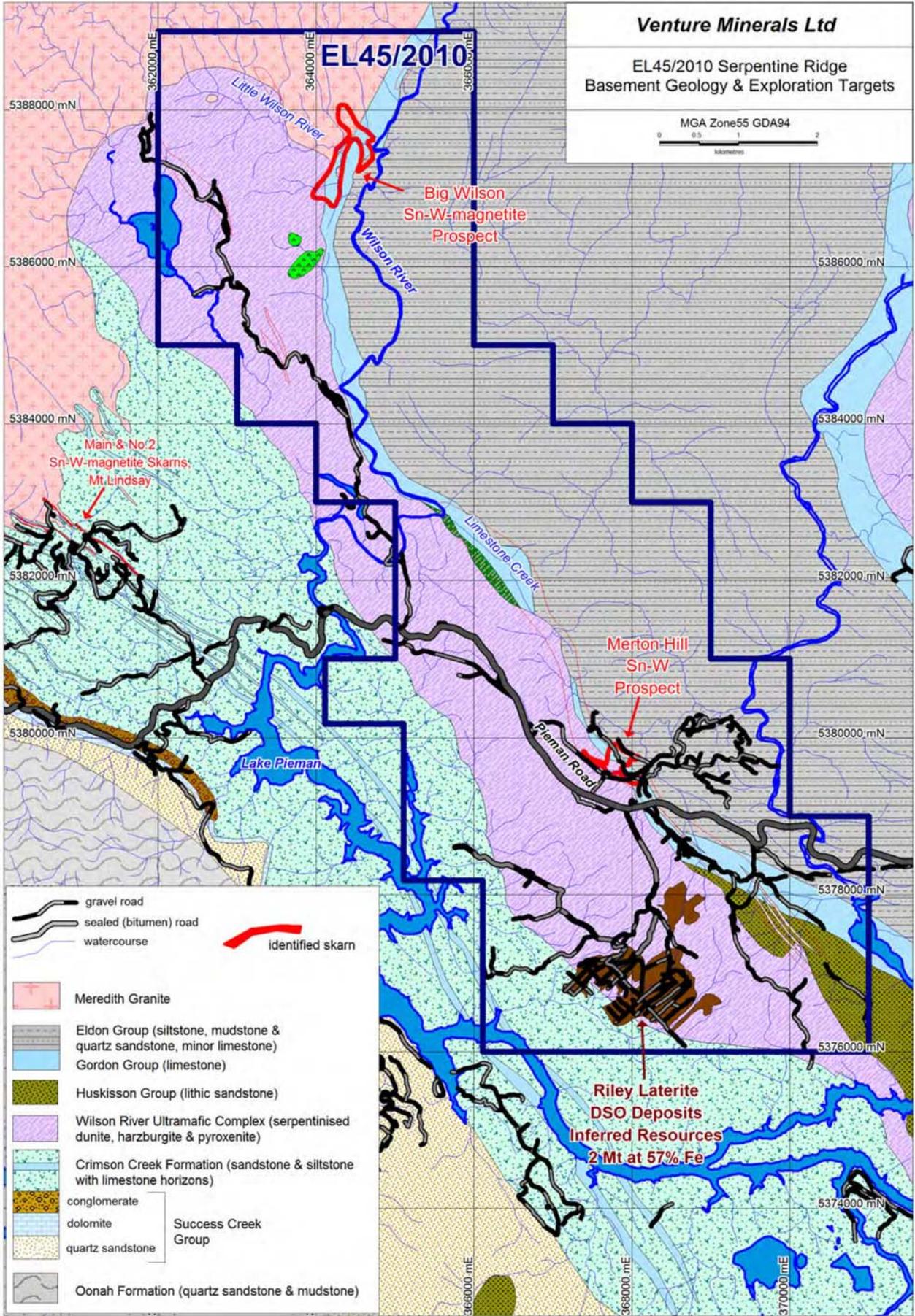


Figure 2: Project Geology

5 Exploration and Mining History

Osmiridium, a rare naturally occurring alloy of the PGMs osmium and iridium, was first reported in Tasmania from the Wilson River valley in the 1876 by Surveyor-General Sprent (initially identified as palladium), and the Riley, Trinder, Three Mile, Lippy Jane, Fowler, Sweeney, Osmiridium and Gold creeks were later extensively worked for detrital osmiridium. An exact osmiridium production figure for the Serpentine Ridge – Wilson River area is not available, but of the total 31,100 oz produced from Tasmania between 1910 and 1968 (first and last reported production) around half came from the Adamsfield area ca. 120 km to the southeast and much of the rest from the Heazlewood-Bald Hill area near Waratah approx. 30 km to the north. Riley, Trinder, Three Mile, Lippy Jane, Fowler, Sweeney, Osmiridium and Gold creeks were the most extensively worked for osmiridium in the Wilson River area. While there are some small test pits within serpentinite basement in the Riley Creek area the historic mining focussed on alluvial gravels in active creeks. The detrital osmiridium typically occurs as flaky nuggets up to a few millimetres dimension, and petrographic work (Callina NL 1985-1990, Brown 1986) also indicates occurrence as inclusions within chromite grains from the ultramafic basement. Numerous workers have identified small chromite lenses up to 20-30 mm thick and 1-2 m long within the ultramafics, and analyses of some primary chromitites indicate highly anomalous PGM levels (Brown 1986).

There was additionally minor alluvial tin and gold production from the Wilson and Huskisson valleys and during the 1970-1980s the area in the vicinity of the Meredith Granite was extensively explored for tin and tungsten mineralization. Tin-bearing alluvial gravels occur in many streams on the northeastern side of Serpentine Ridge, including Barnes, Sweeney and Tin creeks and Alfred River. Occurrences of primary tin mineralization were identified in the Harman River and Merton Hill areas, and Reid (1921) reported narrow dykes of tinstone-bearing quartz-feldspar porphyry cropping out in the vicinity of Tin Creek and Merton Hill. Merton Hill was tested with 3 small adits by prospectors in the early 1900s. Exploration activities by Renison Ltd in the 1979-1983 period identified the presence of an irregular +100 ppm tin in soil anomaly centred around the three small adits at Merton Hill. Seven (7) diamond core holes were drilled by Renison and the best result obtained was c. 3 m of gossanous breccia assaying 0.19% Sn, 1.27% Pb, 3.68% Zn & 53g/t Ag from 52.9m down hole in MH1 directly beneath the old workings. The identified mineralization was associated with veins and breccias within the Devonian Eldon Group (specifically, within the Crotty Quartzite and unnamed limestone member of the Amber Shale) associated with a northeast dipping fault zone adjacent to the contact with the Wilson River ultramafic body. MH2 appears to have intersected the same fault-hosted mineralisation but recoveries were very poor (<8%). Very thin veins with sphalerite, galena and silver and rarely cassiterite were encountered by most of the drill holes within the limestone and shale of the Crotty Quartzite. Narrow granitic dykes with disseminated pyrrhotite were encountered in some of the drill holes. Mapping, geophysics and soil sampling by Renison in the early 1980s around the upper Harman and lower Little Wilson rivers in the early 1980s also identified Sn targets at Tadpole Hill within the Meredith Granite and the Little Wilson River within the Meredith Granite and adjacent Gordon Limestone. The Tadpole Hill Sn mineralisation is a historic prospecting target with a series

of small shafts and test pits exposing narrow quartz-tourmaline veins in endogreisen, and the Sn anomalism at Little Wilson is associated with vein and greisen-style mineralisation within the Meredith Granite and endoskarn-exogreisen in the Gordon Limestone. Renison planned several drill holes to test the Little Wilson target but terminated the project when the tin price collapsed in the mid-1980s.

The source of the alluvial gold has not been thoroughly investigated and while most is probably reworked from glacial gravels work by Callina NL in the 1980s suggested there could also be an ultramafic source. Significant gold mineralization has not been reported from any of the identified tin prospects within EL45/2010, although it was not commonly assayed. Adit samples and some of the Renison drill core from the Merton Hill tin prospect was subsequently re-assayed for Au (Black Horse Mining, 1986-1987 and Cyprus Gold Australia Corp, 1987-1989) with a best result of 2 m at 0.165 ppm Au obtained in a magnetite skarn.

Lateritic nickel and cobalt mineralization was identified in the southern Serpentine Ridge area by Aberfoyle in the late 1960s by a program that included hand auger drilling and man-portable coring (5 core holes) to a maximum depth of 30 ft. Grades of up to ca. 2% Ni and 1.5% Co were obtained from thin (<1-5m) patches of laterite and in the underlying saprolitic serpentinite assays of >0.5% Ni were commonly obtained. There was no systematic investigation for Ni-sulphide mineralization beyond the Serpentine Ridge area (Camp 30 area of Aberfoyle). Variably serpentinised dunite from the Wilson River ultramafic complex typically assay c. 0.2-0.4% Ni although Brown (1986) could not detect nickel in the silicate phases. The nickel sulphide heazewoodite and Ni-Fe alloy awaruite were identified by Renison in serpentinite drill core from Merton Hill, and awaruite in serpentinised dunite rock samples from the Riley Creek area by Callina.

Callina NL (1985-1990) defined a detrital chromite resource in the Riley Creek area which also focus of the historic osmiridium workings. While the chromite is premium quality (>60% Cr₂O₃) the Callina resource was small (approx 1.7 Mt at 1.9% chromite) and at the time not considered economic. The associated detrital PGM (Os and Ir, lesser Pt) and gold content were not assigned any economic value by Callina.

Adamus Resources Ltd explored the area for nickel sulphides in the mid-2000s, conducting rock chip, stream sediment and soil sampling. Relict nickel-rich lateritic soils made it very difficult to interpret the results and clear primary nickel targets could not be delineated. The soil sampling does indicate some geochemical anomalism (mainly As and Cu) in the lower Harmen River area which could be associated with tin-tungsten metasomatism.

6 2011-2012 Anniversary Year Exploration Activities

Activities during the first (2011-2012) anniversary year for EL45/2010 included geological mapping, rock chip sampling, soil sampling, stream sediment sampling, flora and fauna surveys, test pitting, XRD of selected test pit samples, metallurgical test work,

resource estimation and pre-feasibility scoping studies (mining and process design, financial modelling). The focuses of 2011-2012 activities were the Big Wilson Sn-W Prospect, Limestone Creek – Merton Hill – Tin Creek prospects and Riley Creek iron laterite deposits.

6.1 Big Wilson Sn-W Prospect

A helicopter supported stream sediment and soil sampling programme was conducted by Venture personnel in early February 2012 over the previously identified Sn-W skarn and greisen targets in the vicinity of the Little Wilson – “Big” Wilson confluence, now referred to as the Big Wilson Prospect. Some 382 soil samples were collected on 25 m intervals along MGA E-W lines spaced 50 m apart (Figure 3). Lines were not cut, sample positions were located by hand held GPS (Garmin GPS60CSx and GPS62), and samples were collected by hand auger mainly from the B horizon at up to 70 cm beneath surface. It is expected that some of the soils sampled adjacent to the Little Wilson River are alluvial. Five (5) panned stream sediment samples were collected from the Little Wilson River and tributaries within the soil sampling area.

Samples were submitted to the ALS Chemex (“ALS”) for assay of total Sn by XRF of pressed powder disks and a broad suite of other elements including Sn (soluble), W, B, As, Cu, Pb, Zn, Ag, Ni and Cr by 4 acid digest (including HF) with a MS finish. Results are listed in Appendix A. At the same time environmental permission was sought from MRT for a helicopter supported drill programme in the hope that two reconnaissance diamond core holes could be drilled before the end of autumn 2012. A flora and fauna survey was requested by MRT to gain drilling approval and conducted by P Milner (helicopter supported) in March 2012. Approval to drill was gained in mid-April and preparations are currently underway for two helicopter supported drill holes.

6.2 Limestone Creek – Merton Hill – Tin Creek Prospects

Some 567 soil samples and 1 stream sediment sample were collected over Gordon Group and adjacent rocks in the Merton Hill - Tin Creek area (Figure 4). The granitic dykes reported by Reid (1921) were observed in Bealey Creek, next to Merton Creek and a cutting on the Pieman Road, but are only very weakly altered with sericite. The soil and stream sediment samples were submitted to the ALS Chemex (“ALS”) for assay of total Sn by XRF of pressed powder disks and a broad suite of other elements including Sn (soluble), W, B, As, Cu, Pb, Zn, Ag, Ni and Cr by 4 acid digest (including HF) with a MS finish. Assaying is at this stage only partly completed and available results are listed in Appendix A.

Soil sampling of the Limestone Creek area has recently been approved by MRT and cutting of access is in progress. In addition to being a target for skarn mineralisation the Limestone Creek area is being investigated as a potential tailings dam site for the proposed Mt Lindsay Sn-W-magnetite plant. Environmental and heritage surveys are currently in progress.

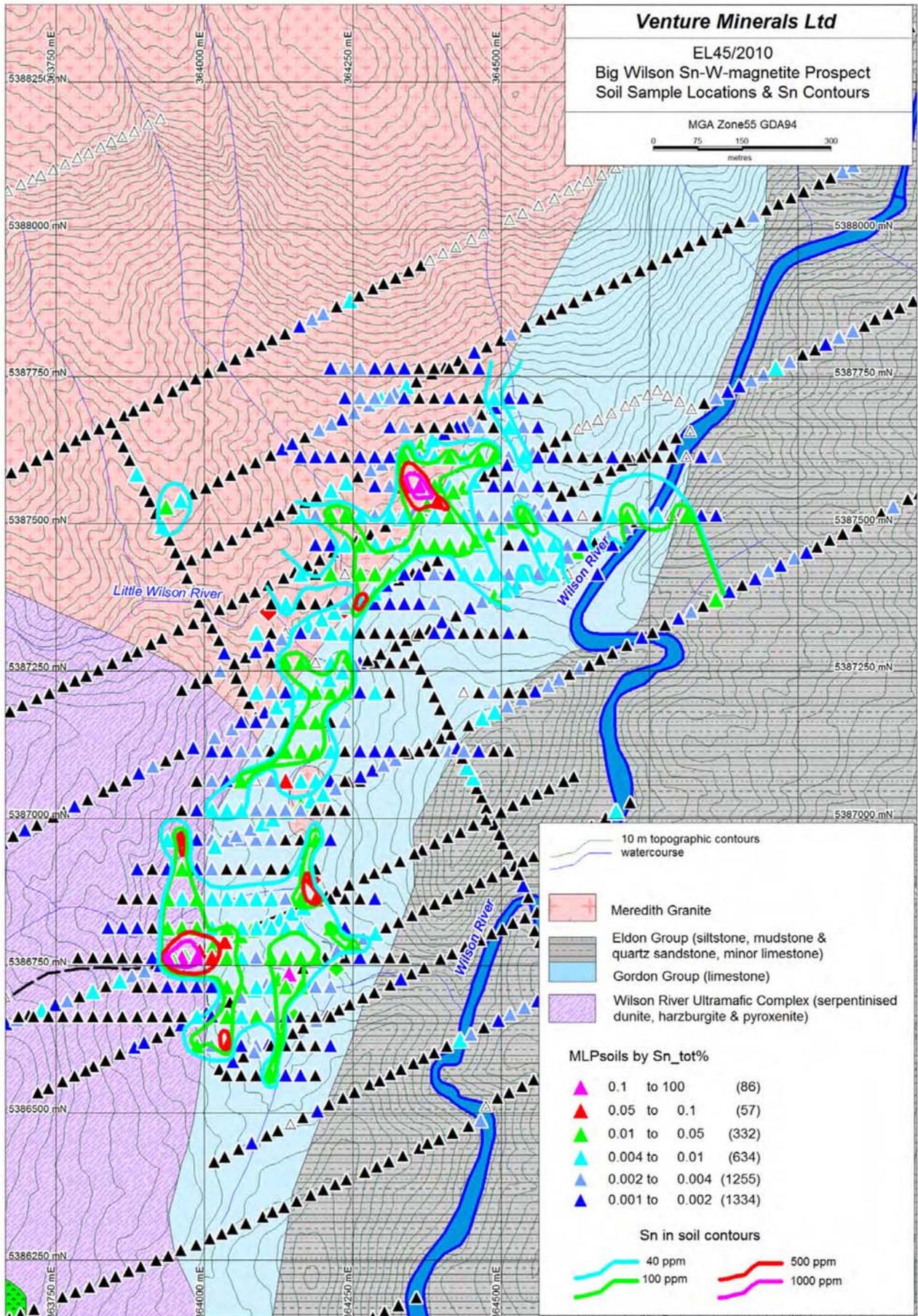


Figure 3: Big Wilson Sn-W-magnetite Prospect, Soil Sample Locations and Sn Contours

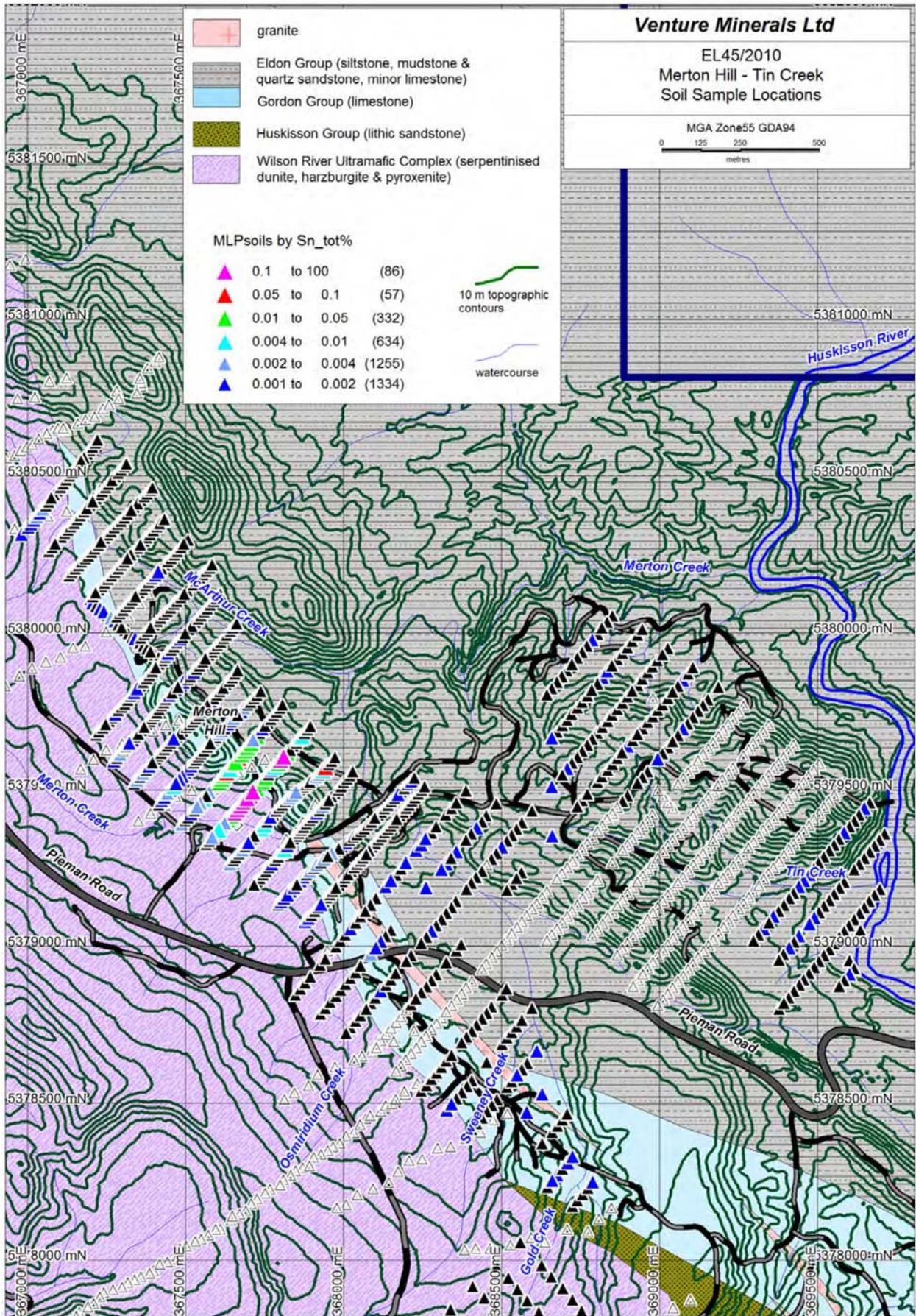


Figure 4: Merton Hill – Tin Creek Soil Sample Locations coloured by Sn

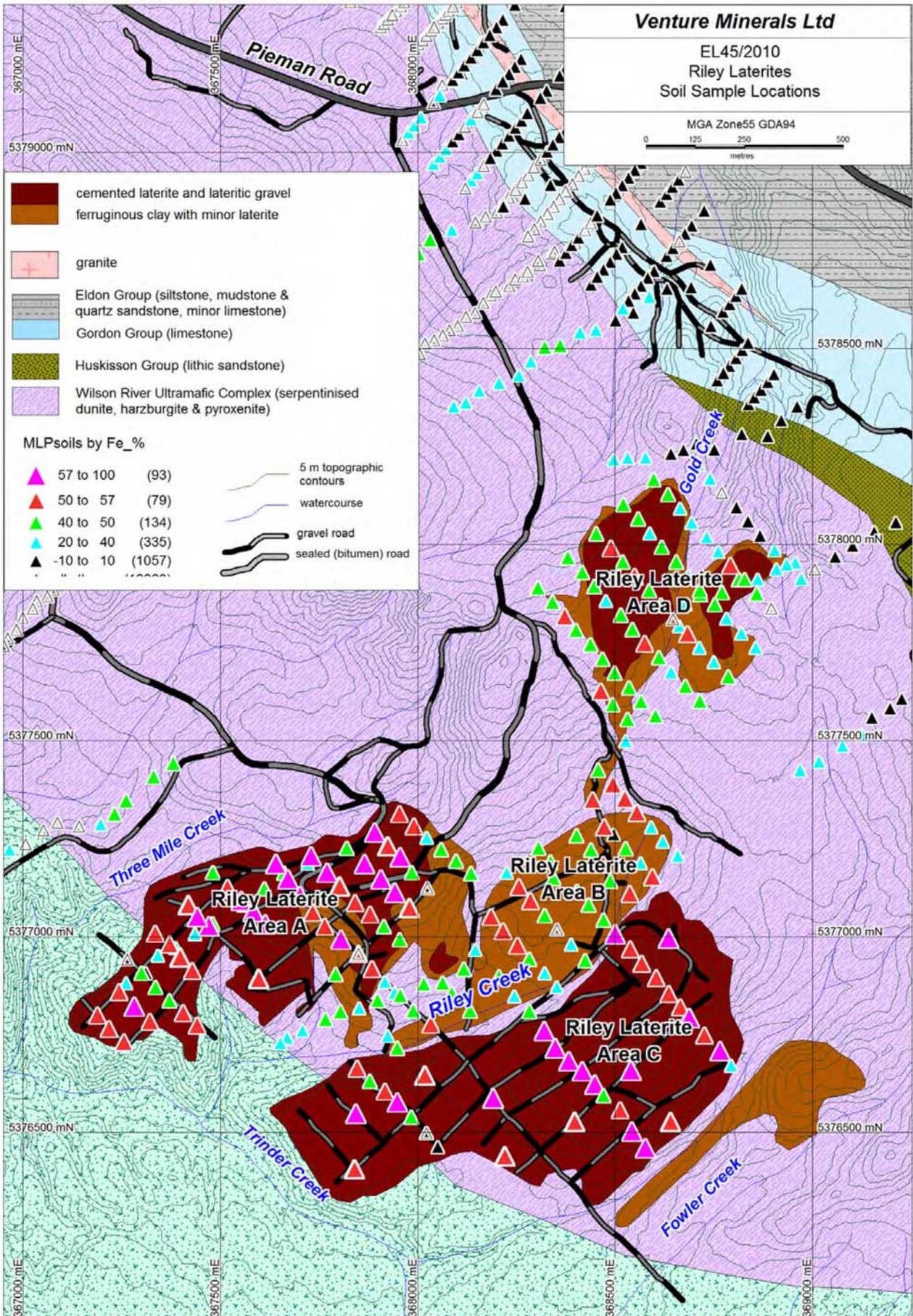


Figure 5: Riley Laterites Soil Sample Locations coloured by Fe

6.3 Riley Laterite Deposits

The iron laterites in the Riley Creek area (Figure 5), previously evaluated by Callina for chromite, were assessed with a view to establishing a low strip Direct Shipping Ore (DSO) resource to supplement other DSO resources held by Venture. Rock chip sampling (46) by Venture in 2011 returned up to 62% Fe confirming potential as a DSO target. Some 297 laterite samples were subsequently collected by man-portable power auger on a c. 100 x 50 m grid over the Riley laterite areas A, B, D and part of C. The auger and rock sampling programme included orientation crushing and screening work to evaluate beneficiation potential. It was found that a simple crush to 100% passing 10 mm and dry screen at 1 mm would significantly improve the Fe grade and reduce deleterious elements for a DSO product, especially Cr, Si and Al. On the basis of these positive results a test pitting programme was conducted over the Riley laterite deposits to initially allow definition of Inferred DSO resources.

The initial pitting programme comprised 184 test pits excavated by a 20 t excavator on c. 50 m spacings along lines 100 m apart to an average depth 3.5 m. The deepest pit was 6 m. The objective with each test pit was to penetrate the entire laterite profile and terminate in the underlying ferruginous clay or top of ultramafic basement. The laterite typically comprises loose ferruginous gravels overlying cemented ferruginous laterite, in turn overlying ferruginous clay with a variable amount of ferruginous gravel. In some locations ferruginous gravel directly overlies clay or, especially around the margins of the deposits, serpentinite basement. Sedimentary structures consistent with a colluvial origin, such as scours and small lenses (channels) of sorted gravel, are widespread within the laterite.

The cemented laterite generally required ripping with a claw, while the gravelly and clay-rich materials were free dig. Excavator spoils were positioned around the pit in order of excavation and separated by lithology (gravel, cemented Laterite and clay). After logging of the pit face, sampling intervals were determined by lithological intervals. Approximately 10 kg of each material were sampled from the pit face where possible, or from the excavated material where entering the pit was not possible in a safe manner.

The Riley test pits were sampled in between 0.1 and 5.4 m (average 0.9 m) thickness and submitted to Bureau Veritas, Perth where all samples were dried, crushed to -10 mm then screened at 1 mm to produce +1mm and -1mm fractions. Weight proportions of the two fractions were determined, and both +1 mm and -1mm fractions were assayed by XRF on fused glass beads using a lithium metaborate flux for Fe, Si, Al, K, Na, Mg, Ca, Ti, P, S, Ni, Cr, LOI and a broad suite of trace elements

6.3.1 Riley Resource Modeling Domains, Block Model Extents and Composite Lengths

Two separate wireframes were created for the Riley Creek resource estimation, one for Area A and one for Area C, by digitising strings onto the roughly 100m spaced sections of pits. A lower threshold of 50% Fe in the sample fraction >1mm was chosen to define the resource.

Wireframes were mostly designed to include only the top two geological layers of the resource, namely hematitic gravel and cemented laterite which corresponded well with the grade cutoff. Some very minor amounts of the underlying mixture of clay and iron bearing clasts

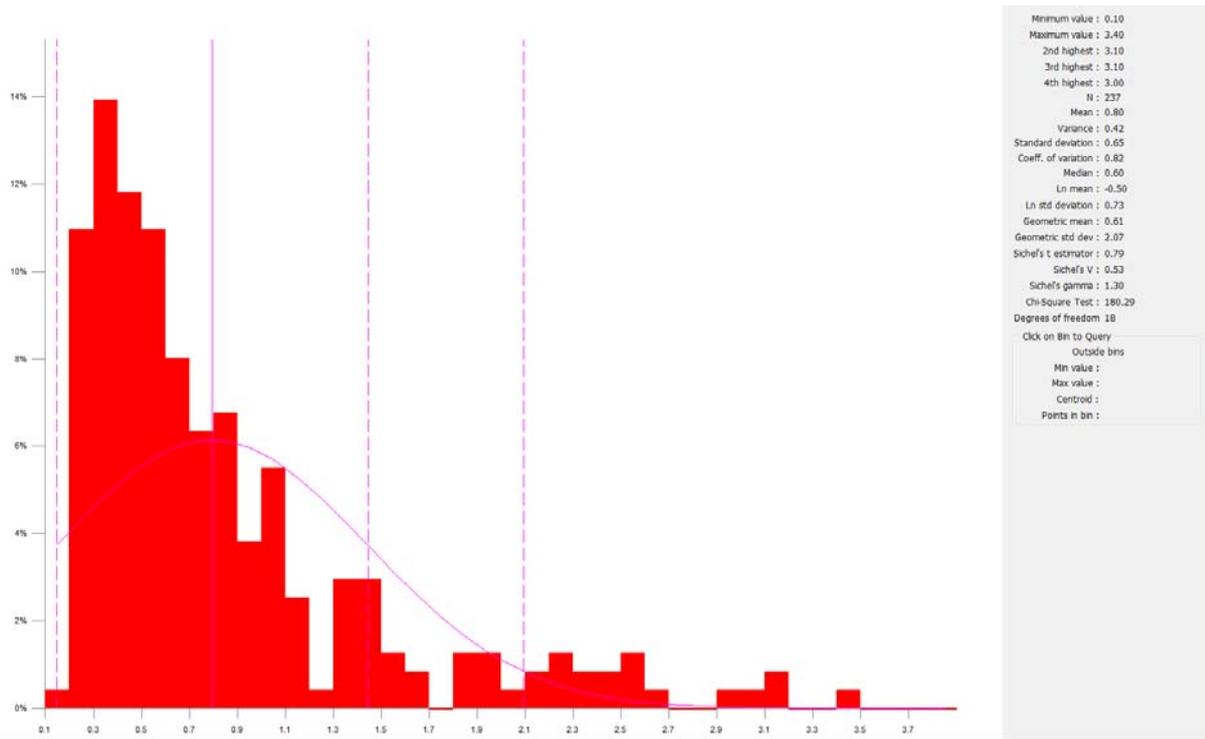


Figure 7: Summary statistics and histogram for sample lengths, Riley creek

6.3.2 Riley Block Modeling Geometry and Search Criteria

Wireframing, statistical evaluation and geostatistical modeling and 3D block modeling have been carried out by Venture Minerals using Micromine software.

Interpolation of grades was only performed on the sample fraction >1mm. Grades were estimated for Fe, Si, Al, Cr, Ni and LOI1000, as well as the mass recovery for particles >1mm. Interpolation to the blocks was by Inverse Distance Weighing to the power of two.

Dips, strikes and ranges for the initial search ellipses were determined from obvious geological features of the orebody with the search ellipse oriented parallel to the strike of the mineralized material. Seven progressively more relaxed searches were performed until all blocks were assigned a grade. Boundaries between the two domains were hard. To eliminate the strong influence of the topography on this laterite deposit, a flattening function was applied in Micromine during the estimation.

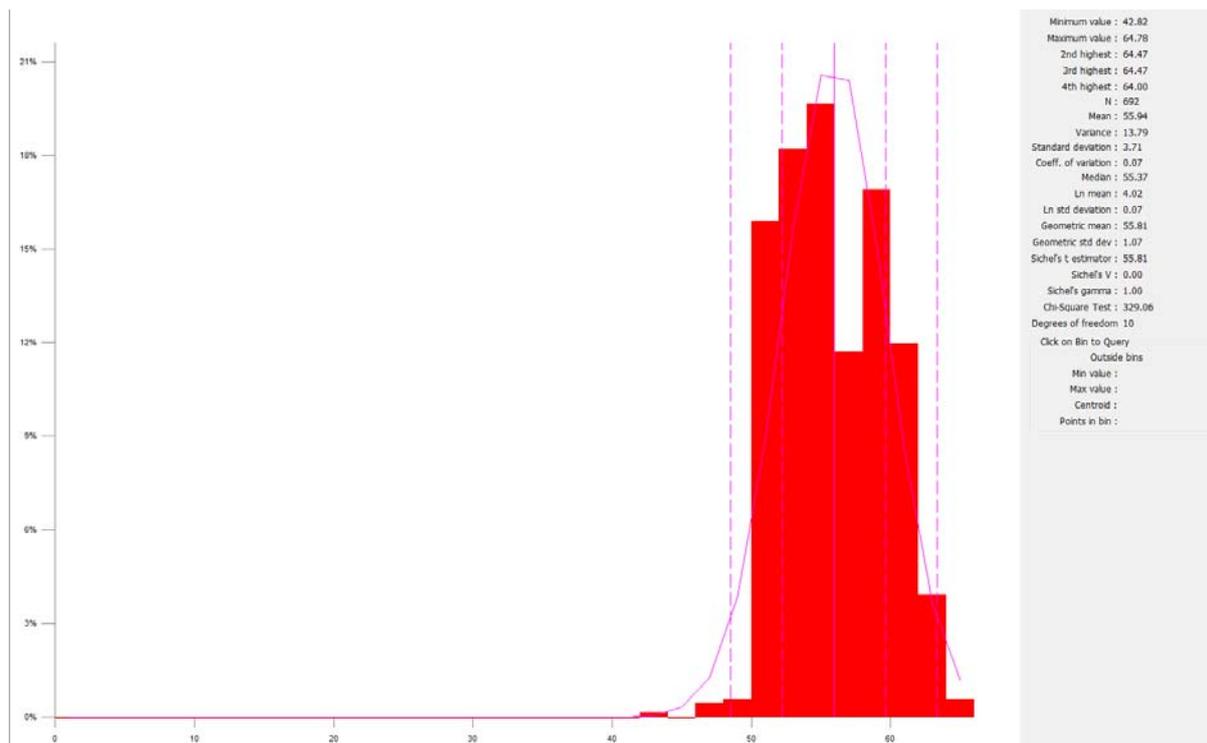


Figure 8: Summary statistics and histogram for composite Fe_+1mm% grades

Table 3: Inverse Distance model parameters for Riley Creek and search ellipse orientations

| Deposit | Zone | direction | Power | range | azi | plunge | dip |
|---------|--------|-----------|-------|-------|-----|--------|-----|
| Riley | Area A | 1st | 2 | 100 | 55 | 0 | 0 |
| | | 2nd | 2 | 100 | 145 | 0 | 0 |
| | | 3rd | 2 | 2 | 180 | 90 | 0 |
| | Area C | 1st | 2 | 100 | 55 | 0 | 0 |
| | | 2nd | 2 | 100 | 145 | 0 | 0 |
| | | 3rd | 2 | 2 | 180 | 90 | 0 |

Table 4: Riley Creek search criteria

| Deposit | Element | Search pass | search radius factor | min points | min drillholes | search radius x | search radius y | search radius z | Power |
|---------|---------|-------------|----------------------|------------|----------------|-----------------|-----------------|-----------------|-------|
| Riley | All | 1 | 1 | 4 | 3 | 100 | 100 | 2 | 2 |
| Riley | All | 2 | 1 | 3 | 2 | 100 | 100 | 2 | 2 |
| Riley | All | 3 | 2 | 3 | 3 | 100 | 100 | 2 | 2 |
| Riley | All | 4 | 2 | 2 | 2 | 100 | 100 | 2 | 2 |
| Riley | All | 5 | 3 | 2 | 2 | 100 | 100 | 2 | 2 |
| Riley | all | 6 | 4 | 2 | 2 | 100 | 100 | 2 | 2 |
| Riley | all | 7 | 5 | 1 | 1 | 100 | 100 | 2 | 2 |

Four Sectors were used in each search ellipse, with a maximum of ten points per sector. The deposit was assigned a generic density of 2.4 throughout, based on density measurements performed on 4 test pits across the deposit.

6.3.3 Riley Block Modeling Results

Grade and tonnage for the Riley Creek model are reported for the fraction >1mm only. The estimated mass recovery for material >1mm was used as a block factor for reporting. Currently the entire resource is classified as an Inferred.

Table 5: Riley Laterite Resource Estimation Results.

| FROM | CUM_VOL | CUM_TONNES | Fe_% | Fe_calc | Si_% | Al_% | Cr_ppm | Ni_ppm | S_% | P_% | LOI1000% | Mass+1mm% | DEPOSIT |
|------|---------|------------|-------|---------|------|------|--------|--------|-------|-------|----------|-----------|-------------|
| 0 | 373,114 | 895,474 | 56.94 | 61.52 | 1.34 | 1.33 | 30632 | 1216 | 0.075 | 0.030 | 7.44 | 79 | Area A |
| 30 | 373,114 | 895,474 | 56.94 | 61.52 | 1.34 | 1.33 | 30632 | 1216 | 0.075 | 0.030 | 7.44 | 79 | Area A |
| 35 | 373,114 | 895,474 | 56.94 | 61.52 | 1.34 | 1.33 | 30632 | 1216 | 0.075 | 0.030 | 7.44 | 79 | Area A |
| 40 | 373,114 | 895,474 | 56.94 | 61.52 | 1.34 | 1.33 | 30632 | 1216 | 0.075 | 0.030 | 7.44 | 79 | Area A |
| 45 | 373,114 | 895,474 | 56.94 | 61.52 | 1.34 | 1.33 | 30632 | 1216 | 0.075 | 0.030 | 7.44 | 79 | Area A |
| 50 | 372,784 | 894,682 | 56.95 | 61.52 | 1.33 | 1.33 | 30621 | 1216 | 0.075 | 0.030 | 7.43 | 79 | Area A |
| 51 | 370,759 | 889,822 | 56.98 | 61.55 | 1.33 | 1.32 | 30572 | 1213 | 0.075 | 0.030 | 7.41 | 79 | Area A |
| 52 | 362,591 | 870,219 | 57.11 | 61.62 | 1.31 | 1.31 | 30383 | 1200 | 0.074 | 0.031 | 7.33 | 79 | Area A |
| 53 | 335,857 | 806,057 | 57.46 | 61.85 | 1.25 | 1.29 | 29736 | 1163 | 0.071 | 0.031 | 7.10 | 80 | Area A |
| 54 | 300,994 | 722,386 | 57.93 | 62.13 | 1.19 | 1.27 | 28832 | 1118 | 0.067 | 0.031 | 6.78 | 80 | Area A |
| 55 | 273,722 | 656,934 | 58.27 | 62.32 | 1.16 | 1.26 | 28132 | 1080 | 0.064 | 0.032 | 6.51 | 81 | Area A |
| 56 | 234,844 | 563,625 | 58.73 | 62.60 | 1.09 | 1.23 | 27368 | 1040 | 0.063 | 0.033 | 6.19 | 82 | Area A |
| 57 | 196,233 | 470,959 | 59.17 | 62.88 | 1.00 | 1.21 | 26871 | 1005 | 0.060 | 0.034 | 5.91 | 83 | Area A |
| 58 | 158,881 | 381,313 | 59.56 | 63.08 | 0.95 | 1.18 | 26381 | 962 | 0.058 | 0.035 | 5.59 | 84 | Area A |
| 59 | 112,748 | 270,594 | 59.97 | 63.25 | 0.93 | 1.16 | 25728 | 916 | 0.056 | 0.036 | 5.18 | 85 | Area A |
| 60 | 44,086 | 105,807 | 60.72 | 63.64 | 0.91 | 1.12 | 23684 | 873 | 0.051 | 0.038 | 4.59 | 88 | Area A |
| 61 | 13,168 | 31,603 | 61.41 | 64.00 | 0.83 | 1.09 | 22647 | 923 | 0.048 | 0.040 | 4.05 | 90 | Area A |
| 62 | 707 | 1,696 | 62.29 | 64.33 | 0.89 | 0.99 | 21572 | 868 | 0.044 | 0.042 | 3.17 | 90 | Area A |
| 0 | 577,422 | 1,385,813 | 55.82 | 60.73 | 2.03 | 1.46 | 26428 | 1079 | 0.085 | 0.024 | 8.08 | 79 | Area C |
| 30 | 577,422 | 1,385,813 | 55.82 | 60.73 | 2.03 | 1.46 | 26428 | 1079 | 0.085 | 0.024 | 8.08 | 79 | Area C |
| 35 | 577,422 | 1,385,813 | 55.82 | 60.73 | 2.03 | 1.46 | 26428 | 1079 | 0.085 | 0.024 | 8.08 | 79 | Area C |
| 40 | 577,422 | 1,385,813 | 55.82 | 60.73 | 2.03 | 1.46 | 26428 | 1079 | 0.085 | 0.024 | 8.08 | 79 | Area C |
| 45 | 577,419 | 1,385,805 | 55.82 | 60.73 | 2.03 | 1.46 | 26428 | 1079 | 0.085 | 0.024 | 8.08 | 79 | Area C |
| 50 | 576,555 | 1,383,733 | 55.84 | 60.74 | 2.02 | 1.46 | 26434 | 1080 | 0.085 | 0.024 | 8.07 | 79 | Area C |
| 51 | 572,876 | 1,374,903 | 55.87 | 60.76 | 2.01 | 1.46 | 26356 | 1079 | 0.085 | 0.025 | 8.06 | 79 | Area C |
| 52 | 552,197 | 1,325,273 | 56.03 | 60.87 | 1.99 | 1.44 | 26083 | 1067 | 0.083 | 0.025 | 7.96 | 80 | Area C |
| 53 | 504,722 | 1,211,333 | 56.35 | 61.10 | 1.92 | 1.41 | 25615 | 1069 | 0.081 | 0.025 | 7.77 | 80 | Area C |
| 54 | 430,104 | 1,032,251 | 56.84 | 61.42 | 1.88 | 1.37 | 24422 | 1049 | 0.077 | 0.026 | 7.45 | 82 | Area C |
| 55 | 335,907 | 806,176 | 57.52 | 61.84 | 1.86 | 1.31 | 22556 | 939 | 0.073 | 0.027 | 6.99 | 84 | Area C |
| 56 | 252,785 | 606,685 | 58.18 | 62.21 | 1.78 | 1.26 | 21585 | 911 | 0.070 | 0.028 | 6.49 | 86 | Area C |
| 57 | 168,597 | 404,634 | 59.03 | 62.66 | 1.67 | 1.21 | 20517 | 884 | 0.066 | 0.030 | 5.81 | 87 | Area C |
| 58 | 113,597 | 272,632 | 59.78 | 63.07 | 1.57 | 1.16 | 19458 | 870 | 0.062 | 0.031 | 5.22 | 88 | Area C |
| 59 | 73,164 | 175,593 | 60.49 | 63.40 | 1.51 | 1.11 | 18657 | 861 | 0.058 | 0.032 | 4.58 | 90 | Area C |
| 60 | 38,159 | 91,583 | 61.40 | 63.88 | 1.35 | 1.03 | 18273 | 856 | 0.051 | 0.033 | 3.88 | 91 | Area C |
| 61 | 22,434 | 53,843 | 62.09 | 64.24 | 1.21 | 0.98 | 18152 | 858 | 0.046 | 0.034 | 3.35 | 92 | Area C |
| 62 | 11,759 | 28,221 | 62.63 | 64.50 | 1.12 | 0.93 | 18157 | 844 | 0.043 | 0.035 | 2.90 | 93 | Area C |
| 0 | 950,536 | 2,281,287 | 56.26 | 61.04 | 1.75 | 1.41 | 28078 | 1133 | 0.081 | 0.027 | 7.82 | 79 | Riley_total |
| 30 | 950,536 | 2,281,287 | 56.26 | 61.04 | 1.75 | 1.41 | 28078 | 1133 | 0.081 | 0.027 | 7.82 | 79 | Riley_total |
| 35 | 950,536 | 2,281,287 | 56.26 | 61.04 | 1.75 | 1.41 | 28078 | 1133 | 0.081 | 0.027 | 7.82 | 79 | Riley_total |
| 40 | 950,536 | 2,281,287 | 56.26 | 61.04 | 1.75 | 1.41 | 28078 | 1133 | 0.081 | 0.027 | 7.82 | 79 | Riley_total |
| 45 | 950,533 | 2,281,279 | 56.26 | 61.04 | 1.75 | 1.41 | 28078 | 1133 | 0.081 | 0.027 | 7.82 | 79 | Riley_total |
| 50 | 949,340 | 2,278,415 | 56.27 | 61.05 | 1.75 | 1.41 | 28078 | 1133 | 0.081 | 0.027 | 7.82 | 79 | Riley_total |
| 51 | 943,636 | 2,264,725 | 56.31 | 61.07 | 1.74 | 1.40 | 28012 | 1132 | 0.081 | 0.027 | 7.80 | 79 | Riley_total |
| 52 | 914,788 | 2,195,492 | 56.45 | 61.17 | 1.72 | 1.39 | 27788 | 1120 | 0.080 | 0.027 | 7.71 | 79 | Riley_total |
| 53 | 840,579 | 2,017,390 | 56.80 | 61.40 | 1.65 | 1.36 | 27262 | 1107 | 0.077 | 0.027 | 7.50 | 80 | Riley_total |
| 54 | 731,099 | 1,754,637 | 57.29 | 61.72 | 1.59 | 1.33 | 26238 | 1077 | 0.073 | 0.028 | 7.17 | 81 | Riley_total |
| 55 | 609,629 | 1,463,110 | 57.85 | 62.06 | 1.55 | 1.28 | 25059 | 1003 | 0.069 | 0.029 | 6.77 | 83 | Riley_total |
| 56 | 487,629 | 1,170,310 | 58.44 | 62.40 | 1.45 | 1.25 | 24370 | 973 | 0.066 | 0.030 | 6.35 | 84 | Riley_total |
| 57 | 364,830 | 875,593 | 59.10 | 62.78 | 1.31 | 1.21 | 23935 | 949 | 0.063 | 0.032 | 5.86 | 85 | Riley_total |
| 58 | 272,477 | 653,945 | 59.65 | 63.08 | 1.21 | 1.17 | 23495 | 924 | 0.060 | 0.033 | 5.43 | 86 | Riley_total |
| 59 | 185,911 | 446,187 | 60.18 | 63.31 | 1.16 | 1.14 | 22945 | 894 | 0.056 | 0.035 | 4.95 | 87 | Riley_total |
| 60 | 82,246 | 197,390 | 61.04 | 63.75 | 1.11 | 1.08 | 21173 | 865 | 0.051 | 0.036 | 4.26 | 90 | Riley_total |
| 61 | 35,602 | 85,446 | 61.84 | 64.15 | 1.07 | 1.02 | 19814 | 882 | 0.047 | 0.036 | 3.61 | 91 | Riley_total |
| 62 | 12,465 | 29,917 | 62.61 | 64.49 | 1.11 | 0.93 | 18351 | 845 | 0.043 | 0.035 | 2.91 | 93 | Riley_total |

6.3.4 Riley Laterite Scoping Study Results

Venture has engaged Rock Team to undertake a mining scoping study on the Riley DSO resource, and the findings are summarised very briefly as follows. The study was conducted on a scoping level and forms part of the basis for commitment to further project

development. Some assumptions are necessarily speculative in nature at this stage and this type of work has an estimation accuracy of not better than $\pm 25\%$.

The Riley DSO resource is a surface deposit of Pisolithic Hematite with depth of approximately 1.5 to 2.0 metres. It covers an undulating hill and extends down into a valley with surface area of approximately 2.5 square kilometres. With an average density of 2.4 t/m³, the resource is estimated to be around 2.3 Million tonnes of ore. It is proposed that the ore will be extracted by open pit strip mining method. At least part of the Riley area is currently scheduled for clear felling by Forestry Tasmania and after completion of forestry activities, the land would be cleared of any remaining trees and debris. An initial mining strip would be cleared of all vegetation and windrowed at the base of the cleared area.

The area is planned to be mined in 25 metre wide strips along the length of the resource, from the top of the hill down into the valley, using an excavator and trucks. Ore will be transported to a run of mine stockpile for crushing and screening. A mining schedule was generated which achieved a production rate of approximately 130,000 tonnes per month. From the mining schedule a separate shipping schedule was generated. The aim of the shipping schedule was to achieve an annual shipped product of 1 million tonnes at a monthly grade of 57% Fe (+/- 0.3%). This was achieved through blending of "as mined" high grade and low grade ore. A high level undiscounted cash flow scenario was generated using the following assumptions:

- Clearing cost \$4,410/hectare
- Mining Cost \$2.20/t
- Crushing and Screening cost \$8.00/t
- Transport Cost \$22/t
- Administration cost \$4/t
- Government Royalty 5.35%
- Iron FOB Price \$100/t

From these assumptions a potential undiscounted cash flow of \$115M is estimated, and key mining and economic results are summarised as follows:

| | |
|-----------------------|----------------|
| Mine Life | 24 months |
| Recoverd Mined Tonnes | 1,960,482 |
| FE (%) | 56.81 |
| S (%) | 0.08 |
| Si (%) | 1.66 |
| Al (%) | 1.37 |
| P (%) | 0.03 |
| LOI (%) | 6.68 |
| Cr (%) | 2.71 |
| Ni (%) | 0.11 |
| Total Costs | \$ 72,705,130 |
| Total Royalties | \$ 8,181,098 |
| Total Revenue | \$ 196,048,348 |
| Undiscounted Cashflow | \$ 115,162,121 |

6.4 Environmental and Heritage Surveys

To gain approvals for the various work programmes flora and fauna surveys were conducted in the following areas:

1. Merton Hill area by P. Milner. The herb *Micrantheum serpentinum* which is listed as rare under the Tasmanian Threatened Species Protection Act 1995 was found to be widespread as regrowth on vehicle tracks over the ultramafic and it was consequently necessary to obtain from DPIPWE a Permit to Take *M. serpentinum* before field work could commence.
2. Riley Creek area by P. Milner and N. Mooney. Again the herb *M. serpentinum* was found to be widespread on ultramafic substrates (not the laterites) and a Permit to Take *M. serpentinum* was obtained before field work could commence.
3. Limestone Creek area by P. Milner. *M. serpentinum* was found to be widespread on ultramafic substrates and a Permit to Take *M. serpentinum* was obtained before field work could commence.
4. Unnamed tributary to the Wilson River west of Limestone Creek by P. Milner. *M. serpentinum* was found to be widespread on ultramafic substrates and a Permit to Take *M. serpentinum* was obtained before field work could commence. The rare herb *Epacris* aff. *glabra* was also identified within this drainage and consequently the proposed work programme in this area has been cancelled.
5. Big Wilson area by P. Milner.

Additional floral and faunal surveys over the Riley Creek and Limestone Creek areas as part of Venture advances the Riley Laterite Deposits towards a Mining Lease Application and Limestone Creek is further evaluated as a tailings dam site for the proposed Mt Lindsay Sn-W-magnetite plant. Heritage (Aboriginal and European) surveys of the Riley Creek and Limestone Creek areas are also in progress.

7 Conclusions and Recommendations

Activities during the first (2011-2012) anniversary year for EL45/2010 were focussed on metasomatic tin and tungsten targets at the Big Wilson and Merton Hill Prospects, and the iron laterite at Riley Creek.

The work at Big Wilson has successfully defined a high priority tin greisen and skarn target within the Gordon Limestone and adjacent Meredith Granite, and preparations for drill testing are underway. Complete soil sample results are awaited for Merton Hill.

An initial Inferred Resource of 2 Mt at 57% Fe using a 53% Fe lower cut-off has been defined for the Riley laterite deposits on the basis of 184 shallow (<6m) test pits excavated by 20 t excavator. Riley Laterite Area D is currently being evaluated via a test pitting programme for additional iron resources. A preliminary mining scoping study suggests Riley Laterite Areas A and C can be developed profitably and Venture is currently conducting a follow-up test pitting and trenching programme to improve confidence in the resources for more detailed mining feasibility studies and, should that be positive, application for a Mining Lease covering the Riley deposits. Hydrological, environmental and archaeological studies are currently also in progress.

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Appendix A

Soil Sample Locations & Assays

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|----------|------------------------|------------|-------------------|-------------------|-------------------------------|----------|----------|---------|----------------------------------|------------------------|
| H1001 | D BWS028 | hand augered -3mm soil | Big Wilson | 364050 | 5386850 | Sassafras/Myrtle/Laurel | 50 | og | B | gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS029 | hand augered -3mm soil | Big Wilson | 364075 | 5386850 | Horizontal/Dogwood | 30 | og-bn | B | gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS030 | hand augered -3mm soil | Big Wilson | 364100 | 5386850 | Sassafras/Laurel/Celery pine | 45 | og-bn | B | clay rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS031 | hand augered -3mm soil | Big Wilson | 364125 | 5386850 | Celery pine/Laurel | 55 | og-bn | B | clay, some gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS032 | hand augered -3mm soil | Big Wilson | 364150 | 5386850 | Horizontal/Laurel/Sassafras | 45 | og-gy | B | gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS033 | hand augered -3mm soil | Big Wilson | 364175 | 5386850 | Horizontal/Laurel/Sassafras | 25 | l bn | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS034 | hand augered -3mm soil | Big Wilson | 364200 | 5386850 | Horizontal/Laurel/Myrtle | 15 | bn | A | Organic soil, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS035 | hand augered -3mm soil | Big Wilson | 364225 | 5386850 | Horizontal/Myrtle/Sassafras | 20 | og-bn | B | gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS036 | hand augered -3mm soil | Big Wilson | 364250 | 5386850 | Horizontal/Laurel/Myrtle | 25 | og-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS037 | hand augered -3mm soil | Big Wilson | 364275 | 5386850 | Horizontal/Laurel/Myrtle | 30 | og-bn | B | sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS038 | hand augered -3mm soil | Big Wilson | 364300 | 5386850 | Horizontal/Sassafras/Laurel | 15 | d gy | A | sandy rocky | ALSAPB-BICP69MS61XRF05 |
| | D BWS039 | hand augered -3mm soil | Big Wilson | 364325 | 5386850 | Laurel/Sassafras/Myrtle | 25 | prplB | A | sandy, rock base | ALSAPB-BICP69MS61XRF05 |
| | D BWS040 | hand augered -3mm soil | Big Wilson | 364000 | 5386900 | Sassafras/Laurel | 15 | rd-bn | A | organic gravely sandy soil. | ALSAPB-BICP69MS61XRF05 |
| | D BWS041 | hand augered -3mm soil | Big Wilson | 364025 | 5386900 | Horizontal/Sassafras | 15 | l bn | A | organic clay soil, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS042 | hand augered -3mm soil | Big Wilson | 364050 | 5386900 | Horizontal/Myrtle | 15 | og-bn | B | clay rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS043 | hand augered -3mm soil | Big Wilson | 364075 | 5386900 | Sassafras/Myrtle | 10 | og-bn | A | organic sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS044 | hand augered -3mm soil | Big Wilson | 364100 | 5386900 | Horizontal/Myrtle | 15 | l bn | A | organic rocky clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS045 | hand augered -3mm soil | Big Wilson | 364125 | 5386900 | Sassafras/Laurel | 30 | og-gy-bn | B | gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS046 | hand augered -3mm soil | Big Wilson | 364150 | 5386900 | Myrtle/Sassafras | 15 | l bn | B | organic clay, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS047 | hand augered -3mm soil | Big Wilson | 364175 | 5386900 | Sassafras/Laurel | 20 | l bn | A | sandy organic, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS048 | hand augered -3mm soil | Big Wilson | 364200 | 5386900 | Horizontal/Laurel/Sassafras | 15 | og-bn | A | organic sandy gravely | ALSAPB-BICP69MS61XRF05 |
| | D BWS049 | hand augered -3mm soil | Big Wilson | 364225 | 5386900 | Sassafras/Laurel | 20 | bn | A | organic sandy rocky | ALSAPB-BICP69MS61XRF05 |
| | D BWS050 | hand augered -3mm soil | Big Wilson | 364250 | 5386900 | Laurel/Sassafras | 15 | l bn | A | organic sandy, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS051 | hand augered -3mm soil | Big Wilson | 364275 | 5386900 | Sassafras | 10 | bn | A | organic sandy, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS052 | hand augered -3mm soil | Big Wilson | 364300 | 5386900 | Sassafras/Myrtle | 20 | l bn | A | organic sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS053 | hand augered -3mm soil | Big Wilson | 364325 | 5386900 | Sassafras/Myrtle | 20 | d bn | A | organic sandy clay, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS054 | hand augered -3mm soil | Big Wilson | 363900 | 5386950 | Eucalypt/Tea Tree/Blackwood | ? | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS055 | hand augered -3mm soil | Big Wilson | 363925 | 5386950 | Eucalypt/Banksia/Leatherwood | 20 | l bn | B | gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS056 | hand augered -3mm soil | Big Wilson | 363950 | 5386950 | Banksia/Tea Tree/Eucalypt | 30 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS057 | hand augered -3mm soil | Big Wilson | 363975 | 5386950 | Leatherwood/Sassafras/Euca | 20 | rd-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS058 | hand augered -3mm soil | Big Wilson | 364000 | 5386950 | Myrtle/Sassafras/Bauera | 30 | l bn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS059 | hand augered -3mm soil | Big Wilson | 364025 | 5386950 | Myrtle/leatherwood/Eucalypt | 30 | rd-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS060 | hand augered -3mm soil | Big Wilson | 364050 | 5386950 | Celery pine/Tea Tree/Eucalypt | 30 | rd-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS061 | hand augered -3mm soil | Big Wilson | 364075 | 5386950 | Myrtle/Sassafras/Tea Tree | 20 | rd-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS062 | hand augered -3mm soil | Big Wilson | 364100 | 5386950 | Sassafras/Leatherwood/Euca | 30 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS063 | hand augered -3mm soil | Big Wilson | 364125 | 5386950 | Eucalypt/Sassafras/Leather | 40 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS064 | hand augered -3mm soil | Big Wilson | 364150 | 5386950 | Myrtle/Sassafras/Horizontal | 40 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS065 | hand augered -3mm soil | Big Wilson | 364175 | 5386950 | Myrtle/Sassafras/Horizontal | 40 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS066 | hand augered -3mm soil | Big Wilson | 364200 | 5386950 | Sassafras/Horizontal/Leather | 30 | bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS067 | hand augered -3mm soil | Big Wilson | 364225 | 5386950 | Myrtle/Sassafras/Horizontal | 30 | l bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS068 | hand augered -3mm soil | Big Wilson | 364250 | 5386950 | Myrtle/Leatherwood | 30 | l bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS069 | hand augered -3mm soil | Big Wilson | 364275 | 5386950 | Sassafras/Leather/Horizontal | 40 | yw-bn | B | silty gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS070 | hand augered -3mm soil | Big Wilson | 364300 | 5386950 | Celery pine/Leatherwood | 45 | gy | B | silty gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS072 | hand augered -3mm soil | Big Wilson | 364350 | 5386950 | Tea Tree/Sassafras/Horizontal | 20 | gy | A | sandy, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS073 | hand augered -3mm soil | Big Wilson | 364375 | 5386950 | Horizontal/Dogwood/Laurel | 20 | bn-gy | A | sandy, gravel base | ALSAPB-BICP69MS61XRF05 |
| | D BWS074 | hand augered -3mm soil | Big Wilson | 364400 | 5386950 | Myrtle/Horizontal/Laurel | 15 | gy | A-B | sandy organic | ALSAPB-BICP69MS61XRF05 |
| | D BWS075 | hand augered -3mm soil | Big Wilson | 364425 | 5386950 | Horizontal/Manfern/Dogwood | 35 | d bn | A | organic sandy, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS076 | hand augered -3mm soil | Big Wilson | 364450 | 5386950 | Manfern/Sassafras/Myrtle | 10 | d bn | A | organic sandy, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS077 | hand augered -3mm soil | Big Wilson | 363950 | 5387000 | Bauera/Tea Tree | 15 | l bn | A | organic sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS078 | hand augered -3mm soil | Big Wilson | 363975 | 5387000 | Bauera/Tea Tree/Cutting Grass | 15 | d bn | A | organic rocky | ALSAPB-BICP69MS61XRF05 |
| | D BWS079 | hand augered -3mm soil | Big Wilson | 364000 | 5387000 | Bauera/Tea Tree | 15 | bn-gy | A | sandy organic | ALSAPB-BICP69MS61XRF05 |
| | D BWS080 | hand augered -3mm soil | Big Wilson | 364025 | 5387000 | Bauere/Sassafras | 20 | l bn | A | organic clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS081 | hand augered -3mm soil | Big Wilson | 364050 | 5387000 | Myrtle/Horizontal | 40 | og | B | sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS082 | hand augered -3mm soil | Big Wilson | 364075 | 5387000 | Myrtle/Bauera | 15 | og-bn | A | sandy gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS083 | hand augered -3mm soil | Big Wilson | 364100 | 5387000 | Sassafras/Myrtle | 15 | og-bn | B | organic sandy gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS084 | hand augered -3mm soil | Big Wilson | 364125 | 5387000 | Horizontal/Myrtle | 15 | l bn | A | sandy gravely clay, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS085 | hand augered -3mm soil | Big Wilson | 364150 | 5387000 | Myrtle/Sassafras | 15 | l bn | A | sandy organic clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS086 | hand augered -3mm soil | Big Wilson | 364175 | 5387000 | Laurel/Sassafras | 15 | lbn | A | gravely clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS087 | hand augered -3mm soil | Big Wilson | 364200 | 5387000 | Laurel/Myrtle | 25 | gy | B | sandy organic, rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS088 | hand augered -3mm soil | Big Wilson | 364225 | 5387000 | Laurel/Myrtle | 15 | gy-bn | A | sandy gravely organic | ALSAPB-BICP69MS61XRF05 |
| | D BWS089 | hand augered -3mm soil | Big Wilson | 364250 | 5387000 | Myrtle/Laurel/Leatherwood | 20 | bn-gy | A | organic sandy clay, some gravels | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|----------|------------------------|------------|-------------------|-------------------|---------------------------------|----------|--------|---------|---|------------------------|
| H1001 | D BWS090 | hand augered -3mm soil | Big Wilson | 364275 | 5387000 | Myrtle/Sassafras/Laurel | 15 | gy-bn | A | sandy organic clay, gravel base | ALSAPB-BICP69MS61XRF05 |
| | D BWS092 | hand augered -3mm soil | Big Wilson | 364325 | 5387000 | Laurel/Myrtle | 20 | l bn | B | sandy organic | ALSAPB-BICP69MS61XRF05 |
| | D BWS093 | hand augered -3mm soil | Big Wilson | 364350 | 5387000 | Sassafras/Manfern | 15 | bn | A | sandy organic | ALSAPB-BICP69MS61XRF05 |
| | D BWS094 | hand augered -3mm soil | Big Wilson | 363975 | 5387050 | Banksia/Eucalypt/Tea Tree | 20 | gy-bn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS095 | hand augered -3mm soil | Big Wilson | 364000 | 5387050 | Banksia/Eucalypt/Tea Tree | 40 | yw-bn | B | fine silt | ALSAPB-BICP69MS61XRF05 |
| | D BWS096 | hand augered -3mm soil | Big Wilson | 364025 | 5387050 | Blackwood/Tea Tree/Sassafras | 30 | d bn | B | silt | ALSAPB-BICP69MS61XRF05 |
| | D BWS097 | hand augered -3mm soil | Big Wilson | 364050 | 5387050 | Sassafras/Leatherwood/Horiz | 30 | og-bn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS098 | hand augered -3mm soil | Big Wilson | 364075 | 5387050 | Myrtle/Sassafras/Laurel | 20 | l bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS099 | hand augered -3mm soil | Big Wilson | 364100 | 5387050 | Leatherwood/Myrtle/Laurel | 40 | l bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS100 | hand augered -3mm soil | Big Wilson | 364125 | 5387050 | Sassafras/Leatherwood/Myrtle | 30 | l bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS101 | hand augered -3mm soil | Big Wilson | 364150 | 5387050 | Myrtle/Leatherwood | 30 | d bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS102 | hand augered -3mm soil | Big Wilson | 364175 | 5387050 | Myrtle/Sassafras/Leatherwood | 30 | gy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS103 | hand augered -3mm soil | Big Wilson | 364200 | 5387050 | Leatherwood/Myrtle/Laurel | 25 | gy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS104 | hand augered -3mm soil | Big Wilson | 364225 | 5387050 | Sassafras/Myrtle/Leatherwood | 20 | d gy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS105 | hand augered -3mm soil | Big Wilson | 364250 | 5387050 | Sassafras/Myrtle/Leatherwood | 20 | d gy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS106 | hand augered -3mm soil | Big Wilson | 364275 | 5387050 | Celery/Myrtle/Leatherwood | 30 | gy | B | gravely silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS107 | hand augered -3mm soil | Big Wilson | 364300 | 5387050 | Myrtle/Sassafras/Leatherwood | 40 | d bn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS108 | hand augered -3mm soil | Big Wilson | 364325 | 5387050 | Myrtle/Sassafras/Leatherwood | 30 | d bn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS109 | hand augered -3mm soil | Big Wilson | 364350 | 5387050 | Myrtle/Sassafras | 40 | l bn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS110 | hand augered -3mm soil | Big Wilson | 364375 | 5387050 | Myrtle/Sassafras | 50 | d bn | B | organic silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS111 | hand augered -3mm soil | Big Wilson | 364400 | 5387050 | Sassafras/Myrtle/Leatherwood | 40 | d gy | B | organic silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS112 | hand augered -3mm soil | Big Wilson | 364000 | 5387100 | Baura, dogwood | 40 | gy-bn | B | organic +sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS113 | hand augered -3mm soil | Big Wilson | 364025 | 5387100 | horizontal, baura | 20 | yw-bn | B | sandy + minor gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS114 | hand augered -3mm soil | Big Wilson | 364050 | 5387100 | horizontal, cutty grass | 35 | og-bn | B | gravely + sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS115 | hand augered -3mm soil | Big Wilson | 364075 | 5387100 | horizontal, laurel, sassafras | 50 | bn-og | B | clay + mnr gravely + mnr organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS116 | hand augered -3mm soil | Big Wilson | 364100 | 5387100 | laurel, horizontal, cutty grass | 15 | gy | A | organic + sandy + gravel. Rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS117 | hand augered -3mm soil | Big Wilson | 364125 | 5387100 | dogwood, horizontal, laurel | 15 | gy | A | sandy + organics + gravel base | ALSAPB-BICP69MS61XRF05 |
| | D BWS118 | hand augered -3mm soil | Big Wilson | 364150 | 5387100 | dogwood, horizontal, laurel | 20 | lbn-gy | A | gravely +organics +sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS119 | hand augered -3mm soil | Big Wilson | 364175 | 5387100 | horizontal, dogwood, myrtle | 20 | lbn | B | organics + clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS120 | hand augered -3mm soil | Big Wilson | 364200 | 5387100 | dogwood, horizontal, laurel | 10 | gy-bn | B | gravely clay + mnr organics + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS121 | hand augered -3mm soil | Big Wilson | 364225 | 5387100 | dogwood, sassafras, horizontal | 25 | lbn | B | sandy + mnr organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS122 | hand augered -3mm soil | Big Wilson | 364250 | 5387100 | laurel, dogwood, horizontal | 20 | gy | A | sandy + organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS123 | hand augered -3mm soil | Big Wilson | 364275 | 5387100 | laurel, teatree, dogwood | 40 | bn-gy | A | organic + sandy clay. On creek/river bank | ALSAPB-BICP69MS61XRF05 |
| | D BWS124 | hand augered -3mm soil | Big Wilson | 364300 | 5387100 | sassafras, laurel, dogwood | 15 | gy-bn | A | organic-rich + rocky | ALSAPB-BICP69MS61XRF05 |
| | D BWS125 | hand augered -3mm soil | Big Wilson | 364050 | 5387150 | leatherwood, myrtle, horizontal | 40 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS126 | hand augered -3mm soil | Big Wilson | 364075 | 5387150 | myrtle, leatherwood, laurels | 50 | bn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS127 | hand augered -3mm soil | Big Wilson | 364100 | 5387150 | leatherwood, myrtle, horizontal | 50 | lgy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS128 | hand augered -3mm soil | Big Wilson | 364125 | 5387150 | leatherwood, myrtle, sassafras | 40 | gy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS129 | hand augered -3mm soil | Big Wilson | 364150 | 5387150 | myrtle, leatherwood, laurels | 20 | dgy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS130 | hand augered -3mm soil | Big Wilson | 364175 | 5387150 | leatherwood, myrtle, sassafras | 40 | dgy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS131 | hand augered -3mm soil | Big Wilson | 364200 | 5387150 | sassafras, laurel, myrtle | 40 | dbn | B | clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS132 | hand augered -3mm soil | Big Wilson | 364225 | 5387150 | sassafras, laurel, teatree | 50 | dgy | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS133 | hand augered -3mm soil | Big Wilson | 364250 | 5387150 | sassafras, laurel, myrtle | 80 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS134 | hand augered -3mm soil | Big Wilson | 364275 | 5387150 | myrtle, leatherwood, bauera | 40 | dbn | B | silty sand-organic rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS135 | hand augered -3mm soil | Big Wilson | 364300 | 5387150 | myrtle, leatherwood, laurels | 20 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS136 | hand augered -3mm soil | Big Wilson | 364325 | 5387150 | sassafras, leatherwood, myrtle | 20 | dbn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS137 | hand augered -3mm soil | Big Wilson | 364075 | 5387200 | horizontal, sassafras, myrtle | 25 | og-bn | B | sandy + gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS138 | hand augered -3mm soil | Big Wilson | 364100 | 5387200 | horizontal, dogwood, laurel | 15 | og-bn | B | minor gravels + minor organic + sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS139 | hand augered -3mm soil | Big Wilson | 364125 | 5387200 | horizontal, sassafras, laurel | 20 | bn | A | richly organic+ sandy+gravel | ALSAPB-BICP69MS61XRF05 |
| | D BWS140 | hand augered -3mm soil | Big Wilson | 364150 | 5387200 | horizontal, laurel, myrtle | 50 | lbn | B | sandy, organic +gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS141 | hand augered -3mm soil | Big Wilson | 364175 | 5387200 | horizontal, myrtle, sassafras | 20 | lbn | A | organic + sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS142 | hand augered -3mm soil | Big Wilson | 364200 | 5387200 | horizontal, laurel, dogwood | 40 | gy-bn | A | organic, sandy, minor gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS143 | hand augered -3mm soil | Big Wilson | 364225 | 5387200 | cutty-grass, reeds, teatree | 55 | gy-bn | A | sand, organic+ mnr gravel | ALSAPB-BICP69MS61XRF05 |
| | D BWS144 | hand augered -3mm soil | Big Wilson | 364250 | 5387200 | cutty-grass, laurel, dogwood | 20 | lbn-gy | A | sandy+ organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS145 | hand augered -3mm soil | Big Wilson | 364275 | 5387200 | laurel, celery top, myrtle | 15 | gy | A | sandy+ organics | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------|------------------------|------------|-------------------|-------------------|--|----------|--------|---------|-------------------------------------|------------------------|
| H1001 | BWS146 | hand augered -3mm soil | Big Wilson | 364300 | 5387200 | sassafras, dogwood, laurel | 40 | gu-bn | A | organic rich + mnr sand, rocky base | ALSAPB-BICP69MS61XRF05 |
| D | BWS147 | hand augered -3mm soil | Big Wilson | 364325 | 5387200 | manfern, sassafras, myrtle | 25 | gy | A | organic + sandy + rocky | ALSAPB-BICP69MS61XRF05 |
| D | BWS148 | hand augered -3mm soil | Big Wilson | 364350 | 5387200 | myrtle, sassafras, manfern | 20 | dgy | A | organic, sandy, rock/gravelly | ALSAPB-BICP69MS61XRF05 |
| D | BWS149 | hand augered -3mm soil | Big Wilson | 364100 | 5387250 | leatherwood, myrtle, sassafras | 30 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS150 | hand augered -3mm soil | Big Wilson | 364125 | 5387250 | sassafras, leatherwood, horizontal | 30 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS151 | hand augered -3mm soil | Big Wilson | 364150 | 5387250 | sassafras, myrtle, leatherwood | 30 | bn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS152 | hand augered -3mm soil | Big Wilson | 364175 | 5387250 | teatree, leatherwood, sassafras, myrtle | 30 | rd-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS154 | hand augered -3mm soil | Big Wilson | 364225 | 5387250 | teatree, hakea, reed grasses | 50 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS155 | hand augered -3mm soil | Big Wilson | 364250 | 5387250 | teatree, hakea, reed grasses | ? | bn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS156 | hand augered -3mm soil | Big Wilson | 364275 | 5387250 | sassafras, myrtle, leatherwood | 40 | dbn | B | silty sand- organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS157 | hand augered -3mm soil | Big Wilson | 364300 | 5387250 | myrtle, leatherwood | 30 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS158 | hand augered -3mm soil | Big Wilson | 364325 | 5387250 | myrtle, leatherwood | 40 | dbn | B | silty sand- organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS159 | hand augered -3mm soil | Big Wilson | 364350 | 5387250 | myrtle, sassafras, leatherwood | 40 | lgy | B | silty sand- organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS160 | hand augered -3mm soil | Big Wilson | 364375 | 5387250 | myrtle, leatherwood, gum tree | 40 | dgy | B | clay- organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS161 | hand augered -3mm soil | Big Wilson | 364125 | 5387300 | leatherwood, horizontal | 40 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS162 | hand augered -3mm soil | Big Wilson | 364150 | 5387300 | sassafras, myrtle, leatherwood | 40 | lbn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS163 | hand augered -3mm soil | Big Wilson | 364175 | 5387300 | sassafras, leatherwood, myrtle | 30 | lgy | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS164 | hand augered -3mm soil | Big Wilson | 364200 | 5387300 | sassafras, leatherwood, myrtle | 35 | lbn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS165 | hand augered -3mm soil | Big Wilson | 364225 | 5387300 | teatree, hakea, reed grasses | 40 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS166 | hand augered -3mm soil | Big Wilson | 364250 | 5387300 | teatree, gumtree, sassafras | 45 | dbn | B | sand/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS167 | hand augered -3mm soil | Big Wilson | 364275 | 5387300 | sassafras, leatherwood, myrtle | 40 | dbn | B | sand, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS168 | hand augered -3mm soil | Big Wilson | 364300 | 5387300 | leatherwood, myrtle, sassafras | 35 | lgy | B | sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS169 | hand augered -3mm soil | Big Wilson | 364325 | 5387300 | leatherwood, myrtle, sassafras | 40 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS170 | hand augered -3mm soil | Big Wilson | 364350 | 5387300 | sassafras, myrtle, fern | 40 | gy | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS171 | hand augered -3mm soil | Big Wilson | 364375 | 5387300 | myrtle, sassafras, fern | 40 | bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS172 | hand augered -3mm soil | Big Wilson | 364400 | 5387300 | sassafras, myrtle, blackwood, fern | 30 | dbn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS173 | hand augered -3mm soil | Big Wilson | 364425 | 5387300 | sassafras, myrtle, fern | 40 | lbn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS174 | hand augered -3mm soil | Big Wilson | 364450 | 5387300 | sassafras, myrtle, fern | 40 | dbn | B | silty sand, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS175 | hand augered -3mm soil | Big Wilson | 364475 | 5387300 | myrtle, sassafras, manfern | 40 | dbn | B | silty sand, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS176 | hand augered -3mm soil | Big Wilson | 364500 | 5387300 | sassafras, myrtle, fern | 60 | dbn | B | silty sand, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS177 | hand augered -3mm soil | Big Wilson | 364525 | 5387300 | sassafras, gumtree, manfern | 20 | dbn | B | organic + sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS178 | hand augered -3mm soil | Big Wilson | 364550 | 5387300 | teatree, myrtle, fern | 20 | rd-bn | B | gravelly + rocky | ALSAPB-BICP69MS61XRF05 |
| D | BWS179 | hand augered -3mm soil | Big Wilson | 364575 | 5387300 | gumtree, myrtle, laurel, cutty grass | 20 | rd-og | B | mnr gravel + sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS180 | hand augered -3mm soil | Big Wilson | 364600 | 5387300 | gumtree, myrtle, celery top, man fern | 25 | bk-bn | B-C | organic, sand + gravel | ALSAPB-BICP69MS61XRF05 |
| D | BWS181 | hand augered -3mm soil | Big Wilson | 364625 | 5387300 | gumtree, myrtle, man fern | 40 | gy-bn | C | rocky base, fine soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS182 | hand augered -3mm soil | Big Wilson | 364175 | 5387350 | myrtle, leatherwood, laurel | 40 | gy-bn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS183 | hand augered -3mm soil | Big Wilson | 364200 | 5387350 | sassafras, leatherwood, laurel | 40 | lbn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS184 | hand augered -3mm soil | Big Wilson | 364225 | 5387350 | sassafras, leatherwood, myrtle | 30 | lbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS185 | hand augered -3mm soil | Big Wilson | 364250 | 5387350 | sassafras, teatree, horizontals | 40 | dbn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS186 | hand augered -3mm soil | Big Wilson | 364275 | 5387350 | cellery top, teatree, leatherwood | 30 | gy-bn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS187 | hand augered -3mm soil | Big Wilson | 364300 | 5387350 | sassafras, leatherwood, horizontal | 40 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS188 | hand augered -3mm soil | Big Wilson | 364325 | 5387350 | leatherwood, blackwood, horizontal | 45 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS189 | hand augered -3mm soil | Big Wilson | 364350 | 5387350 | sassafras, leatherwood, myrtle | 30 | bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS190 | hand augered -3mm soil | Big Wilson | 364200 | 5387400 | myrtle, leatherwood, sassafras, horizontal | 40 | dgy | B | silty sand, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS191 | hand augered -3mm soil | Big Wilson | 364225 | 5387400 | sassafras, myrtle, gumtree, horizontal | 40 | dbn | B | silty sand, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS192 | hand augered -3mm soil | Big Wilson | 364250 | 5387400 | horizontal, sassafras, myrtle | 40 | gy-bn | B | sandy gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS193 | hand augered -3mm soil | Big Wilson | 364275 | 5387400 | leatherwood, myrtle, horizontal laurel | 40 | dbn | B | silty gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS194 | hand augered -3mm soil | Big Wilson | 364300 | 5387400 | leatherwood, myrtle, horizontal | 30 | dgy | B | silt/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS195 | hand augered -3mm soil | Big Wilson | 364325 | 5387400 | sassafras, leatherwood, laurel | 40 | lgy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS196 | hand augered -3mm soil | Big Wilson | 364350 | 5387400 | myrtle, sassafras, leatherwood | 30 | lbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS197 | hand augered -3mm soil | Big Wilson | 364375 | 5387400 | sassafras, leatherwood, myrtle | 30 | dgy | B | silty clay/ fine clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS198 | hand augered -3mm soil | Big Wilson | 364400 | 5387400 | myrtle, sassafras, manfern | 40 | yw-bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS199 | hand augered -3mm soil | Big Wilson | 364425 | 5387400 | sassafras, myrtle, manfern | 40 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS201 | hand augered -3mm soil | Big Wilson | 364575 | 5387400 | sassafras, manfern, eucalypt | 25 | dbn | A | organic rich, topsoil | ALSAPB-BICP69MS61XRF05 |
| D | BWS202 | hand augered -3mm soil | Big Wilson | 364600 | 5387400 | eucalypt, sassafras, fern, myrtle | 25 | rd-bn | B | organic rich, sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS203 | hand augered -3mm soil | Big Wilson | 364625 | 5387400 | eucalypt, sassafras, myrtle | 35 | bn-gy | B | mnr org matter | ALSAPB-BICP69MS61XRF05 |
| D | BWS204 | hand augered -3mm soil | Big Wilson | 364650 | 5387400 | myrtle, ferns, eucalypt | 30 | rd-bn | B | rocky soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS205 | hand augered -3mm soil | Big Wilson | 364225 | 5387450 | myrtle, leatherwood | 30 | dbn | B | organic rich gravelly soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS206 | hand augered -3mm soil | Big Wilson | 364250 | 5387450 | leatherwood, laurel | 20 | gy-bn | B | soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS207 | hand augered -3mm soil | Big Wilson | 364275 | 5387450 | leatherwood, myrtle | 20 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|----------|------------------------|------------|-------------------|-------------------|---|----------|--------|---------|--------------------------------------|------------------------|
| H1001 | D BWS209 | hand augered -3mm soil | Big Wilson | 364325 | 5387450 | myrtle, leatherwood | 30 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D BWS210 | hand augered -3mm soil | Big Wilson | 364350 | 5387450 | sassafras, leatherwood | 30 | lbn | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS211 | hand augered -3mm soil | Big Wilson | 364375 | 5387450 | leatherwood, sassafras | 45 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS212 | hand augered -3mm soil | Big Wilson | 364400 | 5387450 | myrtle, leatherwood | 15 | lbn | B | loamy clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS213 | hand augered -3mm soil | Big Wilson | 364425 | 5387450 | myrtle, sassafras | 20 | rd-bn | B | silty clay-organic rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS214 | hand augered -3mm soil | Big Wilson | 364450 | 5387450 | sassafras, myrtle | 45 | dgy | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS215 | hand augered -3mm soil | Big Wilson | 364200 | 5387500 | myrtle, horizontals | 15 | lbn | A | organic sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS216 | hand augered -3mm soil | Big Wilson | 364225 | 5387500 | myrtle, sassafras, horizontals | 20 | lbn | A | sandy clay, organic, + some gravel | ALSAPB-BICP69MS61XRF05 |
| | D BWS218 | hand augered -3mm soil | Big Wilson | 364275 | 5387500 | teatree, reed grass | 15 | lbn | A | sandy clay w/ organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS219 | hand augered -3mm soil | Big Wilson | 364300 | 5387500 | teatree, reed grass | 20 | gy-bn | A | clay w/ organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS220 | hand augered -3mm soil | Big Wilson | 364325 | 5387500 | teatree, reed grass, bauera | 25 | bn | A | clay w/ gravels+ organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS221 | hand augered -3mm soil | Big Wilson | 364350 | 5387500 | myrtle, sassafras, laurel | 20 | lbn | A | sandy gravel | ALSAPB-BICP69MS61XRF05 |
| | D BWS222 | hand augered -3mm soil | Big Wilson | 364375 | 5387500 | sassafras, myrtle | 15 | dbn | A | sandy organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS223 | hand augered -3mm soil | Big Wilson | 364400 | 5387500 | sassafras, eucalypt, myrtle | 25 | dbn | B | sandy organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS224 | hand augered -3mm soil | Big Wilson | 364425 | 5387500 | sassafras, dogwood, eucalypt | 15 | bn-gy | A | sandy organics + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS225 | hand augered -3mm soil | Big Wilson | 364450 | 5387500 | sassafras, dogwood, eucalypt | 15 | gy-bn | A | organic, sandy + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS226 | hand augered -3mm soil | Big Wilson | 364475 | 5387500 | sassafras, dogwood, eucalypt | 15 | bn-gy | A | sandy, mnr organics + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS227 | hand augered -3mm soil | Big Wilson | 364500 | 5387500 | sassafras, dogwood, eucalypt | 20 | bn | A | sandy organics + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS228 | hand augered -3mm soil | Big Wilson | 364525 | 5387500 | sassafras, myrtle, eucalypt | 20 | dbn | A | sandy organics + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS229 | hand augered -3mm soil | Big Wilson | 364550 | 5387500 | sassafras, myrtle, eucalypt | 20 | gy-bn | A | clay, mnr organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS230 | hand augered -3mm soil | Big Wilson | 364575 | 5387500 | sassafras, myrtle, eucalypt | 20 | bn-gy | A | sandy, mnr organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS231 | hand augered -3mm soil | Big Wilson | 364600 | 5387500 | sassafras, myrtle, eucalypt | 10 | gy | A | sandy, mnr organics + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS232 | hand augered -3mm soil | Big Wilson | 364625 | 5387500 | sassafras, myrtle, manfern | 20 | bn | A | organic rich + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS233 | hand augered -3mm soil | Big Wilson | 364650 | 5387500 | sassafras, myrtle, manfern | 10 | bn-gy | A | organic rich, gravelly + rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS234 | hand augered -3mm soil | Big Wilson | 364225 | 5387550 | horizontal, laurel, myrtle | 40 | gy-bn | A | muddy, gravel, organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS235 | hand augered -3mm soil | Big Wilson | 364250 | 5387550 | horizontal, cutty grass, laurel | 30 | lbn | A | sandy, gravel, + mnr organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS236 | hand augered -3mm soil | Big Wilson | 364275 | 5387550 | horizontal, teatree, laurel | 15 | gy-bn | A | organic clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS237 | hand augered -3mm soil | Big Wilson | 364300 | 5387550 | horizontal, laurel, sassafras | 15 | gy-lbn | B | sandy organic | ALSAPB-BICP69MS61XRF05 |
| | D BWS238 | hand augered -3mm soil | Big Wilson | 364325 | 5387550 | cutty grass, horizontal | 20 | lbn | A | clay, mnr organics, sassafras | ALSAPB-BICP69MS61XRF05 |
| | D BWS239 | hand augered -3mm soil | Big Wilson | 364350 | 5387550 | cutty grass, reeds, laurel | 10 | gy-bn | A | sandy, gravel + organics | ALSAPB-BICP69MS61XRF05 |
| | D BWS240 | hand augered -3mm soil | Big Wilson | 364375 | 5387550 | teatree, eucalypt, horizontal, laurel | 15 | gy-bn | A | sandy, gravelly clay. Hard rock base | ALSAPB-BICP69MS61XRF05 |
| | D BWS241 | hand augered -3mm soil | Big Wilson | 364400 | 5387550 | teatree, laurel, dogwood | 15 | rd-bn | A | sandy organic | ALSAPB-BICP69MS61XRF05 |
| | D BWS242 | hand augered -3mm soil | Big Wilson | 364425 | 5387550 | horizontal, laurel, sassafras | 20 | gy | A | organic sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS243 | hand augered -3mm soil | Big Wilson | 364450 | 5387550 | myrtle, horizontal, sassafras | 20 | bn-gy | A | sandy, organic, gravel base | ALSAPB-BICP69MS61XRF05 |
| | D BWS244 | hand augered -3mm soil | Big Wilson | 364475 | 5387550 | myrtle, sassafras, laurel | 5 | gy-bn | A | organic-rich sandy | ALSAPB-BICP69MS61XRF05 |
| | D BWS245 | hand augered -3mm soil | Big Wilson | 364500 | 5387550 | sassafras, myrtle, dogwood | 10 | gy-bn | A | sandy gravel + organics. Rocky base | ALSAPB-BICP69MS61XRF05 |
| | D BWS246 | hand augered -3mm soil | Big Wilson | 364275 | 5387600 | myrtle, leatherwood, sassafras, horizontal | 35 | lbn | B | silty fine clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS247 | hand augered -3mm soil | Big Wilson | 364300 | 5387600 | leatherwood, myrtle, horizontal | 30 | yw-bn | B | fine clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS248 | hand augered -3mm soil | Big Wilson | 364325 | 5387600 | leatherwood, myrtle, sassafras | 40 | lgy | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS250 | hand augered -3mm soil | Big Wilson | 364375 | 5387600 | sassafras, leatherwood, myrtle | 30 | lgy | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS251 | hand augered -3mm soil | Big Wilson | 364400 | 5387600 | myrtle, leatherwood, sassafras | 40 | dbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS252 | hand augered -3mm soil | Big Wilson | 364425 | 5387600 | myrtle, leatherwood, sassafras, horizontals | 40 | lgy | B | coarse silt/gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS253 | hand augered -3mm soil | Big Wilson | 364450 | 5387600 | myrtle, leatherwood, horizontals | 30 | lgy | B | silt/gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS254 | hand augered -3mm soil | Big Wilson | 364475 | 5387600 | sassafras, myrtle, leatherwood | 40 | dbn | B | silty sand, organic rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS255 | hand augered -3mm soil | Big Wilson | 364500 | 5387600 | sassafras, myrtle, leatherwood, horizontals | 30 | dgy | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS256 | hand augered -3mm soil | Big Wilson | 364525 | 5387600 | leatherwood, sassafras, myrtle, horizontals | 40 | dbn | B | silty sand, organic rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS257 | hand augered -3mm soil | Big Wilson | 364550 | 5387600 | leatherwood, sassafras, myrtle, horizontals | 30 | gy | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS258 | hand augered -3mm soil | Big Wilson | 364575 | 5387600 | sassafras, leatherwood, myrtle, horizontals | 30 | gy | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS259 | hand augered -3mm soil | Big Wilson | 364600 | 5387600 | sassafras, leatherwood, myrtle, horizontals | 30 | dgy | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS260 | hand augered -3mm soil | Big Wilson | 364625 | 5387600 | sassafras, leatherwood, myrtle, horizontals | 40 | gy | B | gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS261 | hand augered -3mm soil | Big Wilson | 364650 | 5387600 | sassafras, leatherwood, myrtle, horizontals | 30 | gy | B | gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS262 | hand augered -3mm soil | Big Wilson | 364675 | 5387600 | celery top, leatherwood, myrtle, horizontals | 40 | dgy | B | gravels, organic rich | ALSAPB-BICP69MS61XRF05 |
| | D BWS263 | hand augered -3mm soil | Big Wilson | 364700 | 5387600 | heath grass, myrtle, leatherwood, horizontals | 40 | dbn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS266 | hand augered -3mm soil | Big Wilson | 364775 | 5387600 | sassafras, myrtle, leatherwood, horizontal | 40 | lbn | B | silty sand | ALSAPB-BICP69MS61XRF05 |
| | D BWS267 | hand augered -3mm soil | Big Wilson | 364300 | 5387650 | laurel, sassafras, teatree, dogwood | 15 | gy-bn | B | gravelly, sandy, organic | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------|------------------------|------------|-------------------|-------------------|--|----------|--------|---------|--|------------------------|
| H1001 | | | | | | | | | | | |
| D | BWS268 | hand augered -3mm soil | Big Wilson | 364325 | 5387650 | horizontal, teatree, laurel, pandani | 35 | bn | A | organic, sandy clay, gravel base | ALSAPB-BICP69MS61XRF05 |
| D | BWS269 | hand augered -3mm soil | Big Wilson | 364350 | 5387650 | horizontal, laurel, pandani | 10 | lbn | B | sandy gravel, minor organics. On side of creek | ALSAPB-BICP69MS61XRF05 |
| D | BWS270 | hand augered -3mm soil | Big Wilson | 364375 | 5387650 | teatree, pandani, laurel, myrtle | 25 | bn-gy | B | sandy, organic, gravel base | ALSAPB-BICP69MS61XRF05 |
| D | BWS271 | hand augered -3mm soil | Big Wilson | 364400 | 5387650 | teatree, pandani, laurel | 25 | bn-gy | A-B | sandy, organic, minor gravel sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS272 | hand augered -3mm soil | Big Wilson | 364425 | 5387650 | horizontal, laurel, teatree | 20 | bn-gy | A | sandy, organic, minor clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS273 | hand augered -3mm soil | Big Wilson | 364450 | 5387650 | laurel, pandani, teatree | 40 | bn | A-B | gravelly base. Organic, sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS274 | hand augered -3mm soil | Big Wilson | 364475 | 5387650 | horizontal, teatree, laurel | 40 | dbn | A-B | organic rich, sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS275 | hand augered -3mm soil | Big Wilson | 364500 | 5387650 | horizontal, pandani | 20 | gy-bn | A | sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS276 | hand augered -3mm soil | Big Wilson | 364525 | 5387650 | horizontal, laurel | 15 | bn | A | sandy organic | ALSAPB-BICP69MS61XRF05 |
| D | BWS277 | hand augered -3mm soil | Big Wilson | 364550 | 5387650 | horizontal, teatree | 20 | gy-bn | A | sandy, clay, organic | ALSAPB-BICP69MS61XRF05 |
| D | BWS278 | hand augered -3mm soil | Big Wilson | 364575 | 5387650 | horizontal, teatree | 50 | lbn | B | gravelly, sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS279 | hand augered -3mm soil | Big Wilson | 364600 | 5387650 | horizontal, teatree | 10 | bn-gy | A | sandy, gravelly, organic | ALSAPB-BICP69MS61XRF05 |
| D | BWS280 | hand augered -3mm soil | Big Wilson | 364625 | 5387650 | teatree, horizontal | 20 | rd-bn | A | organic, clay soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS281 | hand augered -3mm soil | Big Wilson | 364650 | 5387650 | teatree, horizontal | 30 | rd-bn | A | organic-rich soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS282 | hand augered -3mm soil | Big Wilson | 364675 | 5387650 | horizontal, teatree | 20 | bn | B | sandy clay, organic, gravel base | ALSAPB-BICP69MS61XRF05 |
| D | BWS283 | hand augered -3mm soil | Big Wilson | 364700 | 5387650 | swamp grass | 30 | bn | A | sandy organic w/ gravel base | ALSAPB-BICP69MS61XRF05 |
| D | BWS284 | hand augered -3mm soil | Big Wilson | 364725 | 5387650 | swamp grass | 5 | bn | A | sandy organic gunk, taken from surface | ALSAPB-BICP69MS61XRF05 |
| D | BWS285 | hand augered -3mm soil | Big Wilson | 364750 | 5387650 | swamp grass | 35 | bn | A | mud, sand, gravel, organics | ALSAPB-BICP69MS61XRF05 |
| D | BWS286 | hand augered -3mm soil | Big Wilson | 364775 | 5387650 | swamp grass | 30 | bn | A | mud, sand, gravel, organics | ALSAPB-BICP69MS61XRF05 |
| D | BWS287 | hand augered -3mm soil | Big Wilson | 364800 | 5387650 | huon, teatree | 10 | bn | A | organic muddy | ALSAPB-BICP69MS61XRF05 |
| D | BWS288 | hand augered -3mm soil | Big Wilson | 364275 | 5387700 | leatherwood, sassafras, horizontal | 30 | gy | B-C | silty clay w/ gravel base | ALSAPB-BICP69MS61XRF05 |
| D | BWS289 | hand augered -3mm soil | Big Wilson | 364300 | 5387700 | myrtle, leatherwood, sassafras | 40 | dgy | B | silty clay w/ gravel base | ALSAPB-BICP69MS61XRF05 |
| D | BWS290 | hand augered -3mm soil | Big Wilson | 364325 | 5387700 | sassafras, leatherwood, horizontal, laurel | 40 | dgy | B | silty sand/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS291 | hand augered -3mm soil | Big Wilson | 364350 | 5387700 | sassafras, leatherwood, myrtle | 30 | lbn | B | silty, sand/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS292 | hand augered -3mm soil | Big Wilson | 364375 | 5387700 | heathgrass, sassafras, leatherwood, myrtle | 40 | gy | B-C | silt/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS293 | hand augered -3mm soil | Big Wilson | 364400 | 5387700 | laurel, sassafras, leatherwood, myrtle | 40 | gy | B-C | silt/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS294 | hand augered -3mm soil | Big Wilson | 364425 | 5387700 | sassafras, myrtle, horizontal | 40 | dbn | B | silt/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS295 | hand augered -3mm soil | Big Wilson | 364450 | 5387700 | myrtle, sassafras, leatherwood | 30 | gy | B | silt/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS296 | hand augered -3mm soil | Big Wilson | 364475 | 5387700 | leatherwood, sassafras, myrtle, laurel | 40 | lbn | B-C | silt/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS297 | hand augered -3mm soil | Big Wilson | 364500 | 5387700 | celery top pine, myrtle, sassafras, horizontal | 40 | gy | B-C | silt/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS298 | hand augered -3mm soil | Big Wilson | 364525 | 5387700 | heathgrass, myrtle, sassafras, horizontal | 30 | bn | B | silt/sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS299 | hand augered -3mm soil | Big Wilson | 364550 | 5387700 | celery top pine, baura, laurel, leatherwood | 40 | dbn | B | silty clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS300 | hand augered -3mm soil | Big Wilson | 364575 | 5387700 | heathgrass, leatherwood, sassafras, horizontal | 40 | dbn-gy | B-C | silty clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS301 | hand augered -3mm soil | Big Wilson | 364600 | 5387700 | sassafras, leatherwood, laurel, baura | 40 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS302 | hand augered -3mm soil | Big Wilson | 364625 | 5387700 | baura, laurel, horizontal, myrtle | 40 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS303 | hand augered -3mm soil | Big Wilson | 364650 | 5387700 | horizontal, laurel, leatherwood, myrtle | 40 | dbn | B | silty clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS304 | hand augered -3mm soil | Big Wilson | 364675 | 5387700 | celery top pine, laurel, baura, heathgrass | 60 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS305 | hand augered -3mm soil | Big Wilson | 364700 | 5387700 | reed grass, baura, laurel | 30 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS306 | hand augered -3mm soil | Big Wilson | 364725 | 5387700 | reed grass | 40 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS308 | hand augered -3mm soil | Big Wilson | 364775 | 5387700 | reed grass, tea tree | 40 | dbn | B-C | silt/gravel | ALSAPB-BICP69MS61XRF05 |
| D | BWS309 | hand augered -3mm soil | Big Wilson | 364800 | 5387700 | myrtle, celery top pine, horizontal | 40 | dbn | B-C | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS310 | hand augered -3mm soil | Big Wilson | 364825 | 5387700 | leatherwood, myrtle, horizontal | 30 | dbn | B-C | silty sand/gravels, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS311 | hand augered -3mm soil | Big Wilson | 364850 | 5387700 | myrtle, leatherwood, laurel, horizontal | 35 | dbn | B-C | silty sand/gravels, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS312 | hand augered -3mm soil | Big Wilson | 364875 | 5387700 | sassafras, myrtle, huon pine | 35 | dbn | B-C | fine silt, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS314 | hand augered -3mm soil | Big Wilson | 364925 | 5387700 | myrtle, sassafras, leatherwood | 35 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS315 | hand augered -3mm soil | Big Wilson | 364950 | 5387700 | sassafras, myrtle, laurel | 45 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS316 | hand augered -3mm soil | Big Wilson | 364975 | 5387700 | sassafras, myrtle | 40 | dbn | B | silty clay, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS317 | hand augered -3mm soil | Big Wilson | 364400 | 5387750 | teatree, laurel, horizontal | 20 | dbn | A | sandy organic | ALSAPB-BICP69MS61XRF05 |
| D | BWS318 | hand augered -3mm soil | Big Wilson | 364425 | 5387750 | horizontal, teatree | 10 | bn-gy | B | sandy organic, gravel base | ALSAPB-BICP69MS61XRF05 |
| D | BWS319 | hand augered -3mm soil | Big Wilson | 364450 | 5387750 | horizontal, dogwood | 15 | og | B | clay, rock base | ALSAPB-BICP69MS61XRF05 |
| D | BWS320 | hand augered -3mm soil | Big Wilson | 364475 | 5387750 | horizontal, laurel | 19 | bn | B | gravelly | ALSAPB-BICP69MS61XRF05 |
| D | BWS321 | hand augered -3mm soil | Big Wilson | 364500 | 5387750 | horizontal, teatree | 10 | dbn | A | gravelly mud | ALSAPB-BICP69MS61XRF05 |
| D | BWS322 | hand augered -3mm soil | Big Wilson | 364525 | 5387750 | horizontal, teatree | 15 | gy-bn | B | gravelly clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS323 | hand augered -3mm soil | Big Wilson | 364550 | 5387750 | teatree, horizontal, laurel | 15 | bn-gy | A-B | clay, sandy, organic | ALSAPB-BICP69MS61XRF05 |
| D | BWS324 | hand augered -3mm soil | Big Wilson | 364575 | 5387750 | teatree, laurel, pandani | 15 | bn-gy | A | sandy, organic | ALSAPB-BICP69MS61XRF05 |
| D | BWS325 | hand augered -3mm soil | Big Wilson | 364600 | 5387750 | teatree, pandani | 15 | dbn | A | clay, sandy, gravelly base | ALSAPB-BICP69MS61XRF05 |
| D | BWS326 | hand augered -3mm soil | Big Wilson | 364625 | 5387750 | teatree, laurel | 10 | bn | A | organic, sandy | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------|------------------------|------------|-------------------|-------------------|---|----------|----------|---------|---|------------------------|
| H1001 | | | | | | | | | | | |
| D | BWS327 | hand augered -3mm soil | Big Wilson | 364650 | 5387750 | teatree, dogwood | 15 | bn | A | clay, gravelly, organic | ALSAPB-BICP69MS61XRF05 |
| D | BWS328 | hand augered -3mm soil | Big Wilson | 364675 | 5387750 | teatree, laurel | 20 | gy-bn | B | sandy organic, gravelly base | ALSAPB-BICP69MS61XRF05 |
| D | BWS329 | hand augered -3mm soil | Big Wilson | 364700 | 5387750 | teatree, laurel | 15 | bn | A | sandy, organic clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS330 | hand augered -3mm soil | Big Wilson | 364275 | 5387800 | teatree, sassafras, laurel, myrtle | 25 | bn-gy | B | FG gravel. On steep bank of creek | ALSAPB-BICP69MS61XRF05 |
| D | BWS331 | hand augered -3mm soil | Big Wilson | 364300 | 5387800 | sassafras, teatree, horizontal | 30 | lbn-og | B | organic-rich, gravelly. Other side of creek | ALSAPB-BICP69MS61XRF05 |
| D | BWS332 | hand augered -3mm soil | Big Wilson | 364325 | 5387800 | teatree, laurel, horizontal | 40 | gy-bn | B | gravelly | ALSAPB-BICP69MS61XRF05 |
| D | BWS333 | hand augered -3mm soil | Big Wilson | 364350 | 5387800 | horizontal, sassafras, laurel | 20 | lgy | A-B | gravelly | ALSAPB-BICP69MS61XRF05 |
| D | BWS334 | hand augered -3mm soil | Big Wilson | 364375 | 5387800 | sassafras, horizontal, laurel | 45 | og-bn | B | sandy, gravelly | ALSAPB-BICP69MS61XRF05 |
| D | BWS335 | hand augered -3mm soil | Big Wilson | 364400 | 5387800 | horizontal, laurel | 20 | lbn | B | gravelly, sandy. On shallow slope | ALSAPB-BICP69MS61XRF05 |
| D | BWS336 | hand augered -3mm soil | Big Wilson | 364425 | 5387800 | sassafras, horizontal, dogwood | 30 | og-bn | B | gravel and sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS337 | hand augered -3mm soil | Big Wilson | 364450 | 5387800 | horizontal, sassafras, dogwood | 30 | og-bn | B | minor gravel and clay. KD: Good drill pad site | ALSAPB-BICP69MS61XRF05 |
| D | BWS338 | hand augered -3mm soil | Big Wilson | 364475 | 5387800 | horizontal, sassafras | 15 | lbn | B | clay and organics and sandy. Nice open forest | ALSAPB-BICP69MS61XRF05 |
| D | BWS339 | hand augered -3mm soil | Big Wilson | 364500 | 5387800 | horizontal, sassafras, myrtle, manfern | 35 | og-bn | B | clay and minor gravel and sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS340 | hand augered -3mm soil | Big Wilson | 364525 | 5387800 | horizontal, sassafras, dogwood | 25 | lbn | B | sandy and minor gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS341 | hand augered -3mm soil | Big Wilson | 364550 | 5387800 | sassafras, horizontal, laurel | 25 | lgy-bn | B | gravelly, sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS342 | hand augered -3mm soil | Big Wilson | 364575 | 5387800 | laurel, horizontal, sassafras | 25 | dbn | B | minor gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS343 | hand augered -3mm soil | Big Wilson | 364600 | 5387800 | laurel, sassafras, horizontal | 30 | rd-og-bn | B | clay, sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS344 | hand augered -3mm soil | Big Wilson | 364625 | 5387800 | laurel, myrtle, horizontal, celery top pine | 40 | lgy | B | gravelly | ALSAPB-BICP69MS61XRF05 |
| D | BWS345 | hand augered -3mm soil | Big Wilson | 364650 | 5387800 | laurel, myrtle, horizontal | 15 | lgy-bn | B | gravelly and hard rock base. FG boulders nearby | ALSAPB-BICP69MS61XRF05 |
| D | BWS346 | hand augered -3mm soil | Big Wilson | 364675 | 5387800 | horizontal, myrtle, laurel | 30 | gy | B | minor gravel and clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS347 | hand augered -3mm soil | Big Wilson | 364700 | 5387800 | horizontal, myrtle, laurel | 15 | lgy-bn | B | minor gravels. Near FG boulders | ALSAPB-BICP69MS61XRF05 |
| D | BWS348 | hand augered -3mm soil | Big Wilson | 364725 | 5387800 | teatree, laurel, pandani | 60 | gy-bn | B | gravelly | ALSAPB-BICP69MS61XRF05 |
| D | BWS349 | hand augered -3mm soil | Big Wilson | 364750 | 5387800 | laurel, celery top pine, teatree, pandani, horizontal | 70 | gy-rd | B | organic and smooth | ALSAPB-BICP69MS61XRF05 |
| D | BWS350 | hand augered -3mm soil | Big Wilson | 364775 | 5387800 | laurel, horizontal | 40 | lgy-bn | B | smooth and sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS351 | hand augered -3mm soil | Big Wilson | 364800 | 5387800 | horizontal, laurel, dogwood | 25 | lbn | B | minor gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS352 | hand augered -3mm soil | Big Wilson | 364825 | 5387800 | laurel, horizontal, sassafras | 45 | log-bn | B | smooth | ALSAPB-BICP69MS61XRF05 |
| D | BWS353 | hand augered -3mm soil | Big Wilson | 364850 | 5387800 | horizontal, laurel, sassafras | 30 | bn | B | smooth and sandy | ALSAPB-BICP69MS61XRF05 |
| D | BWS354 | hand augered -3mm soil | Big Wilson | 364875 | 5387800 | sassafras, laurel, horizontal | 15 | og-bn | A | sandy and smooth | ALSAPB-BICP69MS61XRF05 |
| D | BWS355 | hand augered -3mm soil | Big Wilson | 364900 | 5387800 | laurel, horizontal, dogwood | 30 | og-bn | B | gravelly. Near Wilson River | ALSAPB-BICP69MS61XRF05 |
| D | BWS357 | hand augered -3mm soil | Big Wilson | 364950 | 5387800 | sassafras, myrtle, manfern | 30 | rd-bn-og | B | smooth clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS358 | hand augered -3mm soil | Big Wilson | 364975 | 5387800 | manfern, sassafras, myrtle | 30 | og-bn | B | smooth and sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS359 | hand augered -3mm soil | Big Wilson | 364425 | 5387850 | sassafras, leatherwood, horizontal | 30 | yw-bn | B | clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS360 | hand augered -3mm soil | Big Wilson | 364450 | 5387850 | sassafras, leatherwood, horizontal | 30 | lbn | B | clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS361 | hand augered -3mm soil | Big Wilson | 364475 | 5387850 | sassafras, leatherwood, myrtle | 30 | yw-bn | B | silty clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS362 | hand augered -3mm soil | Big Wilson | 364500 | 5387850 | sassafras, horizontal | 20 | lbn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS363 | hand augered -3mm soil | Big Wilson | 364525 | 5387850 | sassafras, myrtle, horizontal | 30 | yw-bn | B | silty clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS364 | hand augered -3mm soil | Big Wilson | 364550 | 5387850 | leatherwood, horizontal | 40 | lbn | B | silty clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS365 | hand augered -3mm soil | Big Wilson | 364575 | 5387850 | leatherwood, horizontal | 40 | lbn | B | clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS366 | hand augered -3mm soil | Big Wilson | 364600 | 5387850 | leatherwood, sassafras | 40 | gy | B | silty clay/gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS367 | hand augered -3mm soil | Big Wilson | 364625 | 5387850 | myrtle, leatherwood | 30 | gy | B | gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS368 | hand augered -3mm soil | Big Wilson | 364650 | 5387850 | leatherwood, sassafras, horizontal | 20 | gy | B | gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS369 | hand augered -3mm soil | Big Wilson | 364675 | 5387850 | sassafras, horizontal | 30 | dgy | B | gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS370 | hand augered -3mm soil | Big Wilson | 364350 | 5387900 | myrtle, sassafras, leatherwood | 30 | lgy | B | silt, gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS371 | hand augered -3mm soil | Big Wilson | 364375 | 5387900 | myrtle, sassafras, leatherwood | 30 | lgy | B | silt w/ gravels | ALSAPB-BICP69MS61XRF05 |
| D | BWS372 | hand augered -3mm soil | Big Wilson | 364400 | 5387900 | sassafras, leatherwood, horizontal | 45 | dbn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS373 | hand augered -3mm soil | Big Wilson | 364425 | 5387900 | myrtle, sassafras, leatherwood | 30 | yw-bn | B | clay w/ gravels, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS374 | hand augered -3mm soil | Big Wilson | 364450 | 5387900 | myrtle, sassafras, leatherwood | 60 | dbn | B | loamy soil, organic rich | ALSAPB-BICP69MS61XRF05 |
| D | BWS375 | hand augered -3mm soil | Big Wilson | 364475 | 5387900 | myrtle, sassafras | 20 | dgy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | BWS376 | hand augered -3mm soil | Big Wilson | 364500 | 5387900 | sassafras, horizontal | 30 | dgy | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS377 | hand augered -3mm soil | Big Wilson | 364525 | 5387900 | myrtle, sassafras, horizontal | 30 | bn | B | organic rich clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS378 | hand augered -3mm soil | Big Wilson | 364550 | 5387900 | sassafras, leatherwood, horizontal | 20 | lbn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS379 | hand augered -3mm soil | Big Wilson | 364575 | 5387900 | myrtle, sassafras, horizontal | 45 | lgy | B | gravel, sand | ALSAPB-BICP69MS61XRF05 |
| D | BWS380 | hand augered -3mm soil | Big Wilson | 364600 | 5387900 | horizontal, sassafras, myrtle | 30 | lbn | B | organic rich clay | ALSAPB-BICP69MS61XRF05 |
| D | BWS381 | hand augered -3mm soil | Big Wilson | 364625 | 5387900 | myrtle, horizontal | 30 | bn | B | organic rich loamy soil | ALSAPB-BICP69MS61XRF05 |
| D | BWS382 | hand augered -3mm soil | Big Wilson | 364650 | 5387900 | leatherwood, myrtle | 30 | lbn | B | silt | ALSAPB-BICP69MS61XRF05 |
| D | BWS383 | hand augered -3mm soil | Big Wilson | 364675 | 5387900 | leatherwood, myrtle | 30 | yw-bn | B | gravels | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|----------|------------------------|-------------|-------------------|-------------------|------------------------------------|----------|-----------|---------|------------------------------------|------------------------|
| H1001 | D BWS384 | hand augered -3mm soil | Big Wilson | 364325 | 5387950 | sassafras, horizontal | 45 | dbn | B | organic rich, silty soil | ALSAPB-BICP69MS61XRF05 |
| | D BWS385 | hand augered -3mm soil | Big Wilson | 364350 | 5387950 | sassafras, horizontal | 30 | lbn | B | soil w/ gravel | ALSAPB-BICP69MS61XRF05 |
| | D BWS386 | hand augered -3mm soil | Big Wilson | 364375 | 5387950 | sassafras, horizontal | 45 | lbn | B | silty clay with gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS387 | hand augered -3mm soil | Big Wilson | 364400 | 5387950 | leatherwood, myrtle, sassafras | 50 | dbn | B | organic rich and silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS388 | hand augered -3mm soil | Big Wilson | 364425 | 5387950 | sassafras, leatherwood | 50 | lbn | B | silty gravel | ALSAPB-BICP69MS61XRF05 |
| | D BWS389 | hand augered -3mm soil | Big Wilson | 364450 | 5387950 | horizontal, laurel | 20 | lgy | B | gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS390 | hand augered -3mm soil | Big Wilson | 364475 | 5387950 | leatherwood, sassafras, horizontal | 45 | gy | B | gravel w/ silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS391 | hand augered -3mm soil | Big Wilson | 364500 | 5387950 | leatherwood, sassafras, horizontal | 20 | yw-bn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D BWS392 | hand augered -3mm soil | Big Wilson | 364525 | 5387950 | myrtle, sassafras, horizontal | 30 | dbn | B | clay/gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS393 | hand augered -3mm soil | Big Wilson | 364550 | 5387950 | sassafras, myrtle | 20 | lbn | B | silt w/ gravels | ALSAPB-BICP69MS61XRF05 |
| | D BWS394 | hand augered -3mm soil | Big Wilson | 364575 | 5387950 | sassafras, horizontal | 30 | dbn | B | silt with gravels | ALSAPB-BICP69MS61XRF05 |
| | D MHS001 | hand augered -3mm soil | Merton Hill | 369811 | 5379371 | Sassafras | 120 | bn | B | vfg sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS002 | hand augered -3mm soil | Merton Hill | 369795 | 5379352 | Leatherwood | 60 | lbn | B | vfg sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS003 | hand augered -3mm soil | Merton Hill | 369778 | 5379332 | Myrtle | 60 | bn | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS004 | hand augered -3mm soil | Merton Hill | 369762 | 5379313 | Myrtle | 70 | dbn-og-gy | BC | sandy and clay rich horizons | ALSAPB-BICP69MS61XRF05 |
| | D MHS005 | hand augered -3mm soil | Merton Hill | 369747 | 5379295 | Sassafras | 40 | gy | B | fg sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS006 | hand augered -3mm soil | Merton Hill | 369731 | 5379275 | Sassafras | 70 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS007 | hand augered -3mm soil | Merton Hill | 369714 | 5379255 | Myrtle | 50 | gy | B | loamy clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS008 | hand augered -3mm soil | Merton Hill | 369699 | 5379237 | Myrtle | 20 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS009 | hand augered -3mm soil | Merton Hill | 369683 | 5379218 | Leatherwood | 80 | bn | B | silty clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS010 | hand augered -3mm soil | Merton Hill | 369667 | 5379198 | Myrtle | 20 | gy | B | light and loamy | ALSAPB-BICP69MS61XRF05 |
| | D MHS011 | hand augered -3mm soil | Merton Hill | 369651 | 5379179 | Sassafras | 10 | bn | ABC | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS012 | hand augered -3mm soil | Merton Hill | 369635 | 5379160 | Sassafras | 40 | rd-bn | B | organic, root-rich | ALSAPB-BICP69MS61XRF05 |
| | D MHS013 | hand augered -3mm soil | Merton Hill | 369620 | 5379141 | Myrtle | 70 | bn-og | BC | organic loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS014 | hand augered -3mm soil | Merton Hill | 369604 | 5379122 | Myrtle | 20 | bn | B | organic fine sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS015 | hand augered -3mm soil | Merton Hill | 369587 | 5379102 | Myrtle | 60 | bn | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS016 | hand augered -3mm soil | Merton Hill | 369571 | 5379083 | Sassafras | 40 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS017 | hand augered -3mm soil | Merton Hill | 369556 | 5379065 | Sassafras | 80 | bn-gy | BC | organic-rich sandy sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS018 | hand augered -3mm soil | Merton Hill | 369540 | 5379045 | Horizontal | 50 | gy | B | fine grained sand + angular quartz | ALSAPB-BICP69MS61XRF05 |
| | D MHS019 | hand augered -3mm soil | Merton Hill | 369523 | 5379025 | Sassafras | 10 | bn | B | organic-rich fine sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS020 | hand augered -3mm soil | Merton Hill | 369508 | 5379007 | Myrtle | 40 | bn | B | organic-rich fine sandy soil | ALSAPB-BICP69MS61XRF05 |
| | D MHS021 | hand augered -3mm soil | Merton Hill | 369492 | 5378988 | Horizontal | 70 | dbn | B | organic rich fine sand | ALSAPB-BICP69MS61XRF05 |
| | D MHS026 | hand augered -3mm soil | Merton Hill | 369826 | 5379547 | Myrtle | 70 | bn | B | Sandy Loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS027 | hand augered -3mm soil | Merton Hill | 369810 | 5379528 | Leatherwood | 50 | lbn | B | Clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS028 | hand augered -3mm soil | Merton Hill | 369795 | 5379509 | Leatherwood | 45 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS029 | hand augered -3mm soil | Merton Hill | 369779 | 5379490 | Myrtle | 70 | gy | B | Sandy Loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS030 | hand augered -3mm soil | Merton Hill | 369762 | 5379470 | Sassafras | 30 | gy/lbn | BC | "B" lbn Sandy loam, "C" gy clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS031 | hand augered -3mm soil | Merton Hill | 369746 | 5379451 | Sassafras | 70 | bn/gy | BC | "b" bn sandy loam, "C" gy clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS032 | hand augered -3mm soil | Merton Hill | 369731 | 5379433 | Sassafras | 20 | db | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS033 | hand augered -3mm soil | Merton Hill | 369715 | 5379143 | Sassafras | 30 | b | B | Sandy Loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS034 | hand augered -3mm soil | Merton Hill | 369698 | 5379393 | Sassafras | 10 | gy | B | organic rich rooted sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS035 | hand augered -3mm soil | Merton Hill | 369683 | 5379375 | Sassafras | 50 | gy | B | Sandy Loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS036 | hand augered -3mm soil | Merton Hill | 369667 | 5379356 | Sassafras | 50 | gy | B | Sandy Loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS037 | hand augered -3mm soil | Merton Hill | 369651 | 5379336 | Sassafras | 50 | gy | B | clay - honeycombed | ALSAPB-BICP69MS61XRF05 |
| | D MHS038 | hand augered -3mm soil | Merton Hill | 369634 | 5379317 | Sassafras | 20 | gy | B | Sandy Loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS039 | hand augered -3mm soil | Merton Hill | 369619 | 5379298 | Horizontal | 30 | lbn | B | Clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS040 | hand augered -3mm soil | Merton Hill | 369604 | 5379279 | Celery top pine | 30 | bn | B | Sandy Loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS041 | hand augered -3mm soil | Merton Hill | 369588 | 5379260 | Myrtle | 30 | bn | B | Organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS042 | hand augered -3mm soil | Merton Hill | 369751 | 5379240 | Myrtle | 30 | bn | B | Organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS043 | hand augered -3mm soil | Merton Hill | 369555 | 5379221 | Sassafras | 30 | dbn | B | Sandy Loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS044 | hand augered -3mm soil | Merton Hill | 369540 | 5379203 | Myrtle | 25 | dbn | B | Organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS045 | hand augered -3mm soil | Merton Hill | 369524 | 5379183 | Myrtle | 50 | bn | B | sandy clay loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS050 | hand augered -3mm soil | Merton Hill | 369507 | 5379163 | Sassafras | 20 | dbn | B | Organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS051 | hand augered -3mm soil | Merton Hill | 369492 | 5379145 | Sassafras | 40 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS052 | hand augered -3mm soil | Merton Hill | 369730 | 5379117 | myrtle | 30 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS053 | hand augered -3mm soil | Merton Hill | 369715 | 5379099 | myrtle | 30 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS054 | hand augered -3mm soil | Merton Hill | 369699 | 5379080 | myrtle | 30 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS055 | hand augered -3mm soil | Merton Hill | 369683 | 5379061 | Sassafras | 30 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| | D MHS056 | hand augered -3mm soil | Merton Hill | 369779 | 5379647 | horizontal | 30 | bn | B | Sandy loam clay | ALSAPB-BICP69MS61XRF05 |
| | D MHS057 | hand augered -3mm soil | Merton Hill | 369763 | 5379628 | myrtle | 20 | red-bn | B | Organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |

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| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------|------------------------|-------------|-------------------|-------------------|---------------|----------|------------|---------|--|------------------------|
| D | MHS058 | hand augered -3mm soil | Merton Hill | 369746 | 5379608 | E. Ovata | 20 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS059 | hand augered -3mm soil | Merton Hill | 369730 | 5379589 | myrtle | 30 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS060 | hand augered -3mm soil | Merton Hill | 369715 | 5379571 | E. Ovata | 60 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS061 | hand augered -3mm soil | Merton Hill | 369699 | 5379551 | Sassafras | 60 | vdbn | B | Organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS062 | hand augered -3mm soil | Merton Hill | 369682 | 5379531 | myrtle | 40 | dbn | B | loamy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS063 | hand augered -3mm soil | Merton Hill | 369667 | 5379513 | myrtle | 50 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS064 | hand augered -3mm soil | Merton Hill | 369651 | 5379494 | myrtle | 40 | gy/orange | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS065 | hand augered -3mm soil | Merton Hill | 369635 | 5379474 | Sassafras | 30 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS066 | hand augered -3mm soil | Merton Hill | 369618 | 5379455 | horizontal | 30 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS067 | hand augered -3mm soil | Merton Hill | 369603 | 5379436 | Sassafras | 30 | light grey | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS068 | hand augered -3mm soil | Merton Hill | 369588 | 5379417 | Sassafras | 70 | red | AB | organic rich "a" grey clay "b" | ALSAPB-BICP69MS61XRF05 |
| D | MHS069 | hand augered -3mm soil | Merton Hill | 369571 | 5379398 | Sassafras | 30 | gy | B | sandy loam to clay at bottom | ALSAPB-BICP69MS61XRF05 |
| D | MHS070 | hand augered -3mm soil | Merton Hill | 369555 | 5379378 | Sassafras | 20 | gy | B | sandy clay loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS071 | hand augered -3mm soil | Merton Hill | 369539 | 5379359 | Sassafras | 15 | dbn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS076 | hand augered -3mm soil | Merton Hill | 369524 | 5379341 | horizontal | 40 | light grey | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS077 | hand augered -3mm soil | Merton Hill | 369508 | 5379321 | sassafras | 10 | grey/brown | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS078 | hand augered -3mm soil | Merton Hill | 369491 | 5379301 | sassafras | 20 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS079 | hand augered -3mm soil | Merton Hill | 369475 | 5379283 | laurel | 40 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS080 | hand augered -3mm soil | Merton Hill | 369460 | 5379264 | leatherwood | 40 | dbn | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS081 | hand augered -3mm soil | Merton Hill | 369444 | 5379244 | myrtle | 30 | gy | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS082 | hand augered -3mm soil | Merton Hill | 369427 | 5379225 | horizontal | 90 | vdbn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS083 | hand augered -3mm soil | Merton Hill | 369412 | 5379206 | sassafras | 40 | light grey | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS084 | hand augered -3mm soil | Merton Hill | 368839 | 5378360 | horizontal | 60 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS085 | hand augered -3mm soil | Merton Hill | 368854 | 5378378 | Teatree | 40 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS086 | hand augered -3mm soil | Merton Hill | 368870 | 5378397 | Teatree | 30 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS087 | hand augered -3mm soil | Merton Hill | 368887 | 5378417 | horizontal | 30 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS088 | hand augered -3mm soil | Merton Hill | 368903 | 5378436 | sassafras | 40 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS089 | hand augered -3mm soil | Merton Hill | 368759 | 5378421 | myrtle | 30 | vdbn | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS090 | hand augered -3mm soil | Merton Hill | 368775 | 5378440 | horizontal | 40 | dbn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS091 | hand augered -3mm soil | Merton Hill | 368790 | 5378458 | myrtle | 20 | dbn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS092 | hand augered -3mm soil | Merton Hill | 368807 | 5378478 | leatherwood | 30 | orange | B | fine grained sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS093 | hand augered -3mm soil | Merton Hill | 368823 | 5378498 | myrtle | 50 | orange | B | fine grained sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS094 | hand augered -3mm soil | Merton Hill | 368838 | 5378516 | Teatree | 40 | orange | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS095 | hand augered -3mm soil | Merton Hill | 368758 | 5348578 | Teatree | 15 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS100 | hand augered -3mm soil | Merton Hill | 368743 | 5378559 | horizontal | 40 | vdbn | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS101 | hand augered -3mm soil | Merton Hill | 368694 | 5378658 | Tea tree | 60 | gy | C | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS102 | hand augered -3mm soil | Merton Hill | 368774 | 5378596 | Tea tree | 20 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS103 | hand augered -3mm soil | Merton Hill | 368791 | 5378616 | Tea tree | 60 | orange | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS104 | hand augered -3mm soil | Merton Hill | 368807 | 5378636 | Celery top | 60 | dbn | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS105 | hand augered -3mm soil | Merton Hill | 368822 | 5378654 | Sassafras | 50 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS106 | hand augered -3mm soil | Merton Hill | 368742 | 5378716 | Cutting Grass | 80 | orange | B | fine sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS107 | hand augered -3mm soil | Merton Hill | 367961 | 5379034 | Tea tree | 35 | Black | B | sandy clay loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS108 | hand augered -3mm soil | Merton Hill | 367977 | 5379053 | Tea tree | 60 | Black | BC | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS109 | hand augered -3mm soil | Merton Hill | 367992 | 5379071 | Tea tree | 25 | dbn | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS110 | hand augered -3mm soil | Merton Hill | 368009 | 5379091 | Tea tree | 20 | dbn | B | sandy loam with 2-4mm laterite gravels | ALSAPB-BICP69MS61XRF05 |
| D | MHS111 | hand augered -3mm soil | Merton Hill | 368040 | 5379129 | Tea tree | 30 | bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS112 | hand augered -3mm soil | Merton Hill | 368056 | 5379148 | Tea tree | 20 | bn | B | Sandy loam clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS113 | hand augered -3mm soil | Merton Hill | 368089 | 5379187 | Cutting Grass | 60 | gy | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS114 | hand augered -3mm soil | Merton Hill | 368104 | 5379206 | Tea tree | 30 | bn | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS115 | hand augered -3mm soil | Merton Hill | 368119 | 5379225 | Tea tree | 40 | lgy | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS116 | hand augered -3mm soil | Merton Hill | 368136 | 5379244 | Tea tree | 35 | cream | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS117 | hand augered -3mm soil | Merton Hill | 368152 | 5379264 | Tea tree | 40 | dgy | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS118 | hand augered -3mm soil | Merton Hill | 368168 | 5379283 | Tea tree | 45 | black | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS119 | hand augered -3mm soil | Merton Hill | 368183 | 5379301 | Tea tree | 40 | gy | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS120 | hand augered -3mm soil | Merton Hill | 368200 | 5379321 | Tea tree | 50 | dgy | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS125 | hand augered -3mm soil | Merton Hill | 368216 | 5379341 | Tea Tree | 30 | lgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS126 | hand augered -3mm soil | Merton Hill | 368247 | 5379378 | Tea Tree | 20 | dgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS127 | hand augered -3mm soil | Merton Hill | 368264 | 5379398 | Tea Tree | 50 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS128 | hand augered -3mm soil | Merton Hill | 368280 | 5379417 | Button Grass | 50 | gy | B | clay rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS129 | hand augered -3mm soil | Merton Hill | 368295 | 5379436 | Button Grass | 40 | gy | B | Sandy loam clay | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------|------------------------|-------------|-------------------|-------------------|---------------|----------|-----------|---------|--|------------------------|
| H1001 | | | | | | | | | | | |
| D | MHS130 | hand augered -3mm soil | Merton Hill | 368311 | 5379455 | Button Grass | 50 | gy | B | Sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS131 | hand augered -3mm soil | Merton Hill | 368343 | 5379494 | E. Viminulus | 40 | gy | B | Sandy clay loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS132 | hand augered -3mm soil | Merton Hill | 368359 | 5379513 | myrtle | 40 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS133 | hand augered -3mm soil | Merton Hill | 368374 | 5379531 | Tea Tree | 40 | bn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS134 | hand augered -3mm soil | Merton Hill | 368391 | 5379551 | Yellow Gum | 70 | black | B | organic rich sandy clay loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS135 | hand augered -3mm soil | Merton Hill | 368407 | 5379571 | Horizontal | 70 | black | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS136 | hand augered -3mm soil | Merton Hill | 368438 | 5379608 | Tea Tree | 30 | black | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS137 | hand augered -3mm soil | Merton Hill | 368455 | 5379628 | Tea Tree | 60 | black | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS138 | hand augered -3mm soil | Merton Hill | 368471 | 5379647 | Tea Tree | 60 | black | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS139 | hand augered -3mm soil | Merton Hill | 368502 | 5379685 | Button Grass | 90 | black | B | organic rich sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS140 | hand augered -3mm soil | Merton Hill | 368965 | 5380241 | dogwood | 20 | lt organe | B | Sandy lome w. saprolitic sandstone | ALSAPB-BICP69MS61XRF05 |
| D | MHS141 | hand augered -3mm soil | Merton Hill | 368948 | 5380221 | Tea Tree | 40 | gy | B | Sandy loam clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS142 | hand augered -3mm soil | Merton Hill | 368932 | 5380203 | Tea Tree | 40 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS143 | hand augered -3mm soil | Merton Hill | 368917 | 5380184 | Tea Tree | 40 | lt organe | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS144 | hand augered -3mm soil | Merton Hill | 368901 | 5380164 | Tea Tree | 30 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS145 | hand augered -3mm soil | Merton Hill | 368884 | 5380145 | Tea Tree | 70 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS150 | hand augered -3mm soil | Merton Hill | 368869 | 5380126 | Tea Tree | 40 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS151 | hand augered -3mm soil | Merton Hill | 368853 | 5380107 | Tea Tree | 50 | gy/orange | B | sandy loam with fine granied weathered sandstone | ALSAPB-BICP69MS61XRF05 |
| D | MHS152 | hand augered -3mm soil | Merton Hill | 368820 | 5380068 | Tea Tree | 30 | black | B | Sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS153 | hand augered -3mm soil | Merton Hill | 368805 | 5380049 | Tea Tree | 60 | gy-dbn | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS154 | hand augered -3mm soil | Merton Hill | 368789 | 5380031 | buttongrass | 60 | black | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS155 | hand augered -3mm soil | Merton Hill | 368773 | 5380011 | Tea Tree | 60 | black | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS156 | hand augered -3mm soil | Merton Hill | 368757 | 5379991 | Tea Tree | 30 | black | B | organic rich sandy loam clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS157 | hand augered -3mm soil | Merton Hill | 368790 | 5379873 | Tea Tree | 30 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS158 | hand augered -3mm soil | Merton Hill | 368806 | 5379893 | Tea Tree | 50 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS159 | hand augered -3mm soil | Merton Hill | 368821 | 5379911 | Tea Tree | 40 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS160 | hand augered -3mm soil | Merton Hill | 368836 | 5379930 | Tea Tree | 40 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS161 | hand augered -3mm soil | Merton Hill | 368853 | 5379950 | Tea Tree | 50 | dgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS162 | hand augered -3mm soil | Merton Hill | 368869 | 5379969 | Tea Tree | 20 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS163 | hand augered -3mm soil | Merton Hill | 368885 | 5379988 | Tea Tree | 40 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS164 | hand augered -3mm soil | Merton Hill | 368900 | 5380007 | Tea Tree | 20 | lgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS165 | hand augered -3mm soil | Merton Hill | 368917 | 5380026 | Tea Tree | 30 | dgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS166 | hand augered -3mm soil | Merton Hill | 368933 | 5380046 | Tea Tree | 20 | dgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS167 | hand augered -3mm soil | Merton Hill | 368948 | 5380065 | buttongrass | 40 | dbn | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS168 | hand augered -3mm soil | Merton Hill | 368964 | 5380083 | buttongrass | 70 | black | B | organic rich silty loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS169 | hand augered -3mm soil | Merton Hill | 368981 | 5380103 | buttongrass | 70 | black | B | organic rich sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS170 | hand augered -3mm soil | Merton Hill | 368997 | 5380123 | Tea Tree | 40 | lgy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS175 | hand augered -3mm soil | Merton Hill | 369012 | 5380141 | Tea Tree | 60 | lgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS176 | hand augered -3mm soil | Merton Hill | 369028 | 5380160 | Peppermint | 10 | lgy | B | Sandy Clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS177 | hand augered -3mm soil | Merton Hill | 369044 | 5380180 | Peppermint | 30 | lbn | B | Sandy Clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS178 | hand augered -3mm soil | Merton Hill | 369060 | 5380199 | Tea Tree | 30 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS179 | hand augered -3mm soil | Merton Hill | 368837 | 5380088 | Tea Tree | 20 | lgy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS180 | hand augered -3mm soil | Merton Hill | 368901 | 5379850 | Tea Tree | 35 | lgy | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS181 | hand augered -3mm soil | Merton Hill | 368916 | 5379869 | Cutting Grass | 30 | dbn | B | loamy sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS182 | hand augered -3mm soil | Merton Hill | 368933 | 5379888 | Tea Tree | 30 | gy | B | loamy sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS183 | hand augered -3mm soil | Merton Hill | 368949 | 5379908 | Tea Tree | 30 | dgy | B | loamy sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS184 | hand augered -3mm soil | Merton Hill | 368964 | 5379927 | Baura | 20 | dgy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS185 | hand augered -3mm soil | Merton Hill | 368980 | 5379945 | Baura | 35 | dgy | B | loamy sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS186 | hand augered -3mm soil | Merton Hill | 368997 | 5379965 | Baura | 20 | gy | B | loamy sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS187 | hand augered -3mm soil | Merton Hill | 369013 | 5379985 | Tea Tree | 30 | dgy | B | loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS188 | hand augered -3mm soil | Merton Hill | 369028 | 5380003 | Baura | 25 | dgy | B | loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS189 | hand augered -3mm soil | Merton Hill | 369044 | 5380022 | Tea Tree | 20 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS190 | hand augered -3mm soil | Merton Hill | 369060 | 5380042 | Banksia | 25 | gy/orange | BC | Sandy loam / fine-medium grained sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS191 | hand augered -3mm soil | Merton Hill | 369077 | 5380061 | Baura | 30 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS192 | hand augered -3mm soil | Merton Hill | 369092 | 5380080 | Button Grass | 60 | black/gy | BC | Loamy clay / fined grained sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS193 | hand augered -3mm soil | Merton Hill | 369107 | 5380099 | Tea Tree | 25 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS194 | hand augered -3mm soil | Merton Hill | 369124 | 5380118 | Horizontal | 70 | bn/gy | BC | sandy loam / weathered sandstone | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------|------------------------|-------------|-------------------|-------------------|---------------|----------|--------------|---------|--|------------------------|
| D | MHS195 | hand augered -3mm soil | Merton Hill | 369140 | 5380138 | Baura | 25 | gy | B | loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS200 | hand augered -3mm soil | Merton Hill | 368885 | 5379831 | Baura | 15 | bn/gy | BC | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS201 | hand augered -3mm soil | Merton Hill | 368869 | 5379812 | Tea Tree | 20 | vdbn/gy | BC | Loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS202 | hand augered -3mm soil | Merton Hill | 368853 | 5379792 | Tea Tree | 30 | yellow | B | fine grained sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS203 | hand augered -3mm soil | Merton Hill | 368837 | 5379773 | Tea Tree | 25 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS204 | hand augered -3mm soil | Merton Hill | 368822 | 5379755 | Tea Tree | 20 | gy | B | Find grained sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS205 | hand augered -3mm soil | Merton Hill | 368806 | 5379735 | Tea Tree | 20 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS206 | hand augered -3mm soil | Merton Hill | 368519 | 5378761 | Cutting Grass | 20 | orange | B | sandy with weathered sandstone gravels | ALSAPB-BICP69MS61XRF05 |
| D | MHS207 | hand augered -3mm soil | Merton Hill | 368504 | 5378743 | Cutting Grass | 15 | orange | B | fine-medium grained sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS208 | hand augered -3mm soil | Merton Hill | 368488 | 5378723 | Dogwood | 25 | bn | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS209 | hand augered -3mm soil | Merton Hill | 368471 | 5378703 | Ferns | 20 | gy | B | sandy loam clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS210 | hand augered -3mm soil | Merton Hill | 368455 | 5378685 | Ferns | 25 | bn | B | organic rich sandy loam with angular 5mm sandstone gravels | ALSAPB-BICP69MS61XRF05 |
| D | MHS211 | hand augered -3mm soil | Merton Hill | 368440 | 5378666 | Cutting Grass | | gy/orange | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS212 | hand augered -3mm soil | Merton Hill | 368360 | 5378727 | Baura | 25 | orange | B | fine-medium grained sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS213 | hand augered -3mm soil | Merton Hill | 368376 | 5378746 | Baura | 20 | lgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS214 | hand augered -3mm soil | Merton Hill | 368391 | 5378765 | Baura | 15 | lgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS215 | hand augered -3mm soil | Merton Hill | 368408 | 5378785 | Baura | 15 | lgy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS216 | hand augered -3mm soil | Merton Hill | 368424 | 5378804 | Baura | 15 | orange | B | fine grained sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS217 | hand augered -3mm soil | Merton Hill | 368439 | 5378823 | Baura | 20 | bn | B | fine-medium grained sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS218 | hand augered -3mm soil | Merton Hill | 368455 | 5378841 | Baura | 10 | orange | B | fine-medium grained sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS219 | hand augered -3mm soil | Merton Hill | 368567 | 5378819 | Button Grass | 40 | gy | B | loamy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS220 | hand augered -3mm soil | Merton Hill | 368615 | 5378877 | Cutting Grass | 40 | bn | B | loamy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS225 | hand augered -3mm soil | Merton Hill | 368631 | 5378896 | Tea Tree | 45 | bn | B | Sandy loam clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS226 | hand augered -3mm soil | Merton Hill | 368646 | 5378915 | Tea Tree | 40 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS227 | hand augered -3mm soil | Merton Hill | 368662 | 5378933 | Tea Tree | 20 | orange | B | fine-medium grained sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS228 | hand augered -3mm soil | Merton Hill | 368679 | 5378953 | Tea Tree | 30 | dbn | B | loamy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS229 | hand augered -3mm soil | Merton Hill | 368710 | 5378991 | Tea Tree | 30 | gy | B | fine-medium grain sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS230 | hand augered -3mm soil | Merton Hill | 368615 | 5379034 | Tea Tree | 15 | orange | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS231 | hand augered -3mm soil | Merton Hill | 368582 | 5378995 | Baura | 20 | Black | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS232 | hand augered -3mm soil | Merton Hill | 368567 | 5378976 | Baura | 15 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS233 | hand augered -3mm soil | Merton Hill | 368551 | 5378957 | Baura | 30 | Orange | B | sandy clay loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS234 | hand augered -3mm soil | Merton Hill | 368535 | 5378938 | Baura | 25 | gy | BC | sandy loam clay/loamy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS235 | hand augered -3mm soil | Merton Hill | 368519 | 5378918 | Baura | 25 | gy | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS236 | hand augered -3mm soil | Merton Hill | 368503 | 5378899 | Baura | 30 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS237 | hand augered -3mm soil | Merton Hill | 368488 | 5378881 | Baura | 25 | orange/brown | B | sandy loam with 10mm angular gravels | ALSAPB-BICP69MS61XRF05 |
| D | MHS238 | hand augered -3mm soil | Merton Hill | 368599 | 5378700 | Cutting Grass | 30 | gy/orange | B | muddy silty loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS239 | hand augered -3mm soil | Merton Hill | 368584 | 5378682 | Tea Tree | 35 | bn | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS240 | hand augered -3mm soil | Merton Hill | 368567 | 5378662 | ferns | 25 | bn | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS241 | hand augered -3mm soil | Merton Hill | 368551 | 5378642 | ferns | 30 | bn | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS242 | hand augered -3mm soil | Merton Hill | 368535 | 5378624 | Tea Tree | 30 | Black | B | sandy loam with Fe rich angular gravels up to 20mm | ALSAPB-BICP69MS61XRF05 |
| D | MHS243 | hand augered -3mm soil | Merton Hill | 368520 | 5378605 | Tea Tree | | dbn | B | sandy loam with laterite gravels | ALSAPB-BICP69MS61XRF05 |
| D | MHS244 | hand augered -3mm soil | Merton Hill | 368631 | 5378739 | Tea Tree | 35 | Black | B | loamy clay with laterite gravels | ALSAPB-BICP69MS61XRF05 |
| D | MHS245 | hand augered -3mm soil | Merton Hill | 368647 | 5378758 | Tea Tree | | Black | B | wet muddy loamy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS250 | hand augered -3mm soil | Merton Hill | 368663 | 5378777 | Stringybark | 30 | bn | B | sandy loam with laterite gravels | ALSAPB-BICP69MS61XRF05 |
| D | MHS251 | hand augered -3mm soil | Merton Hill | 368678 | 5378795 | E. vinalanous | 20 | bn | B | sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS252 | hand augered -3mm soil | Merton Hill | 368695 | 5378815 | sassafras | | dbn | B | loamy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS253 | hand augered -3mm soil | Merton Hill | 368726 | 5378853 | Tea Tree | 20 | gy | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS254 | hand augered -3mm soil | Merton Hill | 368710 | 5379620 | Button Grass | 90 | dbn | B | Sandy loam clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS255 | hand augered -3mm soil | Merton Hill | 368773 | 5379697 | Tea Tree | 50 | lbn | B | Sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS256 | hand augered -3mm soil | Merton Hill | 368773 | 5379853 | Beach | 20 | bn | B | organic rich sandy loam | ALSAPB-BICP69MS61XRF05 |
| D | MHS257 | hand augered -3mm soil | Merton Hill | 368630 | 5379053 | Tea Tree | 15 | yellow | B | loamy sand with 10mm gravels | ALSAPB-BICP69MS61XRF05 |
| D | MHS258 | hand augered -3mm soil | Merton Hill | 368598 | 5379643 | Button Grass | 60 | lgy | B | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS259 | hand augered -3mm soil | Merton Hill | 368566 | 5379605 | Tea Tree | 25 | lgy | A | sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS260 | hand augered -3mm soil | Merton Hill | 368551 | 5379586 | Button Grass | 70 | w | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS261 | hand augered -3mm soil | Merton Hill | 368535 | 5379566 | BCT/lt | 80 | w lbn | B | clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS262 | hand augered -3mm soil | Merton Hill | 368518 | 5379547 | Baura | 30 | lbn | B | sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS263 | hand augered -3mm soil | Merton Hill | 368502 | 5379528 | Baura | 20 | dbn | A | sandy | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------|------------------------|-------------|-------------------|-------------------|--------------------|----------|--------|---------|--------------------------------------|------------------------|
| H1001 | | | | | | | | | | | |
| D | MHS264 | hand augered -3mm soil | Merton Hill | 368471 | 5379490 | Tea Tree | 80 | dbn | B | organic rich sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS265 | hand augered -3mm soil | Merton Hill | 368454 | 5379470 | Button Grass | 70 | YB | B | gravely clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS266 | hand augered -3mm soil | Merton Hill | 368439 | 5379451 | Tea Tree | 30 | | B | laterite gravely soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS267 | hand augered -3mm soil | Merton Hill | 368423 | 5379433 | Button Grass | 60 | dbn | A | organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS268 | hand augered -3mm soil | Merton Hill | 368375 | 5379375 | Button Grass | 70 | GB | A | organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS269 | hand augered -3mm soil | Merton Hill | 368263 | 5379240 | Baura | 30 | Y | A | sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS270 | hand augered -3mm soil | Merton Hill | 368247 | 5379221 | Baura | 10 | LB | B | sandy organic | ALSAPB-BICP69MS61XRF05 |
| D | MHS275 | hand augered -3mm soil | Merton Hill | 368232 | 5379203 | Baura | 10 | LB | A | gravely sandy organic | ALSAPB-BICP69MS61XRF05 |
| D | MHS276 | hand augered -3mm soil | Merton Hill | 368216 | 5379183 | Tea Tree | 40 | LB | B | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS277 | hand augered -3mm soil | Merton Hill | 368199 | 5379163 | Tea Tree | 25 | LB | B | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS278 | hand augered -3mm soil | Merton Hill | 368041 | 5378973 | Baura | 20 | RB | A | laterite gravely sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS279 | hand augered -3mm soil | Merton Hill | 368056 | 5378991 | Baura | 10 | RB | A | laterite gravely sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS280 | hand augered -3mm soil | Merton Hill | 368072 | 5379010 | Banksia | 20 | B | B | sandy, serpentinite base | ALSAPB-BICP69MS61XRF05 |
| D | MHS281 | hand augered -3mm soil | Merton Hill | 368089 | 5379030 | Tea Tree | 20 | LB | A | sandy organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS282 | hand augered -3mm soil | Merton Hill | 368105 | 5379049 | Tea Tree | 25 | LB | B | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS283 | hand augered -3mm soil | Merton Hill | 368120 | 5379068 | Tea Tree | 30 | RB | B | gravely sandy with serpentinite soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS284 | hand augered -3mm soil | Merton Hill | 368136 | 5379087 | Banksia | 25 | RB | B | gravely sandy with serpentinite soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS285 | hand augered -3mm soil | Merton Hill | 368152 | 5379106 | Cutting grass | 40 | ROB | B | clay sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS286 | hand augered -3mm soil | Merton Hill | 368168 | 5379126 | Cutting grass | 30 | OB | B | clay sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS287 | hand augered -3mm soil | Merton Hill | 368678 | 5379582 | Button Grass | 60 | G | B | organic sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS288 | hand augered -3mm soil | Merton Hill | 368661 | 5379562 | BG/TT | 60 | LG | C | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS289 | hand augered -3mm soil | Merton Hill | 368646 | 5379543 | BG/TT | 35 | G | B | organic sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS290 | hand augered -3mm soil | Merton Hill | 368631 | 5379525 | Tea Tree | 30 | LG | B | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS291 | hand augered -3mm soil | Merton Hill | 368614 | 5379505 | TT/BG | 35 | LG | B | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS292 | hand augered -3mm soil | Merton Hill | 368598 | 5379485 | Tea Tree | 45 | LG | B | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS293 | hand augered -3mm soil | Merton Hill | 368582 | 5379467 | Tea Tree | 35 | G | B | sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS295 | hand augered -3mm soil | Merton Hill | 368551 | 5379428 | Bauera/TT | 20 | G | B | organic sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS296 | hand augered -3mm soil | Merton Hill | 368534 | 5379409 | TT/BG | 50 | DG | B | silty organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS297 | hand augered -3mm soil | Merton Hill | 368518 | 5379390 | BG/TT | 65 | DG | B | silty organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS298 | hand augered -3mm soil | Merton Hill | 368503 | 5379371 | BG | 70 | DG | B | silty organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS299 | hand augered -3mm soil | Merton Hill | 368470 | 5379332 | BG | 70 | G | C | sandy organic clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS304 | hand augered -3mm soil | Merton Hill | 368455 | 5379313 | BG | 60 | LG | C | organic clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS305 | hand augered -3mm soil | Merton Hill | 368439 | 5379295 | BG | 65 | DG | B | silty organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS306 | hand augered -3mm soil | Merton Hill | 368423 | 5379275 | BG/TT | 70 | BG | B | silty organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS307 | hand augered -3mm soil | Merton Hill | 368407 | 5379255 | TT/BG | 50 | G | B | fine gravels, organic sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS308 | hand augered -3mm soil | Merton Hill | 368391 | 5379237 | Tea Tree | 45 | BG | B | organic sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS309 | hand augered -3mm soil | Merton Hill | 368376 | 5379218 | Tea Tree | 70 | BG | C | fine gravely sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS310 | hand augered -3mm soil | Merton Hill | 368360 | 5379198 | TT/CG | 45 | BO | C | gravely clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS311 | hand augered -3mm soil | Merton Hill | 368327 | 5379160 | TT/Stringybark | 20 | O | B | sandy loam soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS312 | hand augered -3mm soil | Merton Hill | 368312 | 5379141 | TT/Bauera | 35 | OB | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS313 | hand augered -3mm soil | Merton Hill | 368121 | 5378911 | TT/CG | 40 | B | B | sandy with serpentinite | ALSAPB-BICP69MS61XRF05 |
| D | MHS314 | hand augered -3mm soil | Merton Hill | 368136 | 5378930 | TT/CG | 35 | RB | B | sandy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS315 | hand augered -3mm soil | Merton Hill | 368152 | 5378949 | TT/CG | 40 | RGB | B | sandy gravely clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS316 | hand augered -3mm soil | Merton Hill | 368168 | 5378968 | TT/CG | 20 | RB | B | sandy gravely soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS317 | hand augered -3mm soil | Merton Hill | 368185 | 5378988 | TT/Bauera | 15 | LG | A | sandy gravely soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS318 | hand augered -3mm soil | Merton Hill | 368200 | 5379007 | TT/Bauera | 15 | LG | A | sandy gravely soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS319 | hand augered -3mm soil | Merton Hill | 368215 | 5379025 | Bauera | 20 | GB | B | organic sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS320 | hand augered -3mm soil | Merton Hill | 368232 | 5379045 | Cutting Grass | 20 | GB | A | organic sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS321 | hand augered -3mm soil | Merton Hill | 368248 | 5379065 | Bauera/CG | 30 | GB | B | sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS322 | hand augered -3mm soil | Merton Hill | 368264 | 5379083 | Bauera/CG | 25 | OB | B | sandy loam soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS323 | hand augered -3mm soil | Merton Hill | 368279 | 5379102 | Bauera/CG | 30 | YB | B | sandy loam soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS328 | hand auger -3mm soil | Merton Hill | 368774 | 5379540 | Bauera/leatherwood | 50 | LG | B | Sandy | ALSAPB-BICP69MS61XRF05 |
| D | MHS329 | hand auger -3mm soil | Merton Hill | 368677 | 5379424 | TT | 35 | G | B | Sandy organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS330 | hand auger -3mm soil | Merton Hill | 368662 | 5379405 | TT/celery | 15 | DG | B | Sandy organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS331 | hand auger -3mm soil | Merton Hill | 368647 | 5379387 | TT/bauera | 15 | DG | B | Sandy organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS332 | hand auger -3mm soil | Merton Hill | 368631 | 5379367 | TT/laurel | 15 | DG | B | Sandy organic soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS333 | hand auger -3mm soil | Merton Hill | 368486 | 5379194 | TT/CG | 50 | G | B | Sandy, gravelly | ALSAPB-BICP69MS61XRF05 |
| D | MHS334 | hand auger -3mm soil | Merton Hill | 368471 | 5379175 | TT/fern | 60 | OG | C | Clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS335 | hand auger -3mm soil | Merton Hill | 368439 | 5379137 | Gum trees/TT | 35 | YG | B | Yellow/grey soil | ALSAPB-BICP69MS61XRF05 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------------|----------------------------|-------------|-------------------|-------------------|-----------------------|----------|--------|---------|---|------------------------|
| H1001 | | | | | | | | | | | |
| D | MHS336 | hand auger -3mm soil | Merton Hill | 368407 | 5379099 | GT/TT | 40 | GB | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS337 | hand auger -3mm soil | Merton Hill | 368392 | 5379080 | GT/TT | 55 | GB | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS338 | hand auger -3mm soil | Merton Hill | 368376 | 5379060 | GT/TT | 30 | G | B | Ash grey soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS339 | hand auger -3mm soil | Merton Hill | 368359 | 5379041 | GT/TT | 35 | GO | B | Ash grey/orange soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS340 | hand auger -3mm soil | Merton Hill | 368343 | 5379022 | GT/TT | 20 | G | B | Ash grey soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS341 | hand auger -3mm soil | Merton Hill | 368328 | 5379003 | GT/BW | 20 | GO | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS342 | hand auger -3mm soil | Merton Hill | 368853 | 5379635 | teatree | 50 | cm | B | very weathered clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS343 | hand auger -3mm soil | Merton Hill | 368869 | 5379654 | teatree, bauera | 30 | gy | B | gluggy clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS344 | hand auger -3mm soil | Merton Hill | 368885 | 5379674 | teatree, bauera | 40 | dgy | A-B | loose sandy soil, rounded pebbles at base of hole | ALSAPB-BICP69MS61XRF05 |
| D | MHS345 | hand auger -3mm soil | Merton Hill | 368917 | 5379712 | teatree, bauera | 30 | gy | B-C | loose sandy soil, rounded pebbles, possible terrace | ALSAPB-BICP69MS61XRF05 |
| D | MHS346 | hand auger -3mm soil | Merton Hill | 368932 | 5379731 | teatree, bauera | 45 | gy | B | fine silty-sand, trace qz | ALSAPB-BICP69MS61XRF05 |
| D | MHS347 | hand auger -3mm soil | Merton Hill | 368949 | 5379750 | teatree, button grass | 25 | dgy | B | loose sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS352 | hand auger -3mm soil | Merton Hill | 368965 | 5379770 | open teatree | 45 | lgy | B | rotten organic-rich silty mud | ALSAPB-BICP69MS61XRF05 |
| D | MHS353 | hand auger -3mm soil | Merton Hill | 368981 | 5379789 | buttongrass | 70 | dbn-bk | A | fine silty mud w/ minor qz sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS354 | hand auger -3mm soil | Merton Hill | 368996 | 5379807 | buttongrass | 50 | dgy-bk | B | | ALSAPB-BICP69MS61XRF05 |
| D | MHS355 | hand auger -3mm soil | Merton Hill | 369013 | 5379827 | teatree | 50 | dgy-bn | B | sandy mud--carbonate derived? | ALSAPB-BICP69MS61XRF05 |
| D | MHS356 | hand auger -3mm soil | Merton Hill | 369029 | 5379847 | buttongrass | 40 | gy-bn | B-C | sandy soil transition to carbonate fragments | ALSAPB-BICP69MS61XRF05 |
| D | MHS357 | hand auger -3mm soil | Merton Hill | 369044 | 5379865 | teatree/bauera | 60 | gy-cm | B-C | muddy silt-fine sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS358 | hand auger -3mm soil | Merton Hill | 369060 | 5379884 | buttongrass | 50 | dgy | B | loose sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS359 | hand auger -3mm soil | Merton Hill | 369077 | 5379904 | teatree, bauera | 30 | dgy | B | silty soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS360 | hand auger -3mm soil | Merton Hill | 369093 | 5379923 | teatree, bauera | 25 | dgy-gy | B-C | silty fine sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS361 | hand auger -3mm soil | Merton Hill | 369108 | 5379942 | teatree | 40 | lgy | B | silty fine sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS362 | hand auger -3mm soil | Merton Hill | 369123 | 5379961 | teatree | 40 | lgy | B | silty fine sand | ALSAPB-BICP69MS61XRF05 |
| D | MHS363 | hand auger -3mm soil | Merton Hill | 369140 | 5379980 | teatree, bauera | 45 | gy | B | loose clay-silty soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS364 | hand auger -3mm soil | Merton Hill | 369156 | 5380000 | teatree | 50 | yw-og | B | loose silty clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS365 | hand auger -3mm soil | Merton Hill | 369172 | 5380019 | teatree | 50 | og-gy | B | organic-rich silty clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS366 | hand auger -3mm soil | Merton Hill | 369187 | 5380037 | open teatree | 40 | dgy | B | loose silty clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS367 | hand auger -3mm soil | Merton Hill | 369204 | 5380057 | teatree | 30 | dgy | B | loose silty clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS368 | hand auger -3mm soil | Merton Hill | 369220 | 5380077 | teatree | 45 | gy | B | loose clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS369 | hand auger -3mm soil | Merton Hill | 369300 | 5380015 | myrtle, teatree | 40 | dbn-bk | A-B | silty clay w/ gravels; ~4m from stream | ALSAPB-BICP69MS61XRF05 |
| D | MHS370 | hand auger -3mm soil | Merton Hill | 369267 | 5379976 | teatree, sassafras | 50 | dbn-bk | A-B | sodden clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS371 | hand auger -3mm soil | Merton Hill | 369251 | 5379957 | teatree | 30 | gy | A-B | loose silty-clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS376 | hand auger -3mm soil | Merton Hill | 369236 | 5379939 | teatree, myrtle | 40 | lgy | B | loose, organic-rich silty soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS377 | hand auger -3mm soil | Merton Hill | 369220 | 5379919 | teatree | 30 | gy | B | loose silty clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS378 | hand auger -3mm soil | Merton Hill | 369203 | 5379899 | open teatree | 45 | lgy | B | fine silty clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS379 | hand auger -3mm soil | Merton Hill | 369188 | 5379881 | open teatree | 40 | gy | B | fine silty clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS380 | hand auger -3mm soil | Merton Hill | 369172 | 5379862 | open teatree | 40 | gy | B | fine silty, organic-rich clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS381 | hand auger -3mm soil | Merton Hill | 369156 | 5379842 | dense teatree | 20 | gy | B-C | fine silty soil w/ fine gravels at base | ALSAPB-BICP69MS61XRF05 |
| D | MHS382 | hand auger -3mm soil | Merton Hill | 369140 | 5379823 | dense teatree | 35 | lgy | B | loose fine silty clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS383 | hand auger -3mm soil | Merton Hill | 369124 | 5379804 | teatree | 30 | lgy | B | loose silty clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS384 | hand auger -3mm soil | Merton Hill | 369109 | 5379785 | bauera, cutty grass | 40 | gy | B | silty clay soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS385 | hand auger -3mm soil | Merton Hill | 369076 | 5379746 | teatree, sassafrass | 40 | gy-rd | B | loose silty clay | ALSAPB-BICP69MS61XRF05 |
| D | MHS386 | hand auger -3mm soil | Merton Hill | 369060 | 5379727 | teatree | 50 | lgy | B | damp clay-rich soil | ALSAPB-BICP69MS61XRF05 |
| D | MHS387 | hand auger -3mm soil | Merton Hill | 369045 | 5379709 | teatree | 20 | cm | B | gravelly clay-rich soil--possible terrace gravel? | ALSAPB-BICP69MS61XRF05 |
| D | MHS388 | hand auger -3mm soil | Merton Hill | 369012 | 5379669 | teatree | 40 | cm | C | mm-scale laminated silty clay in road cutting--overlying terrace gravels? | ALSAPB-BICP69MS61XRF05 |
| D | MHS389 | hand auger -3mm soil | Merton Hill | 368997 | 5379651 | teatree | 35 | gy | B | loose sandy soil | ALSAPB-BICP69MS61XRF05 |
| D | RYS001 | clay-rich lateritic gravel | Riley Creek | 367189 | 5376802 | na | 15 | na | | gravel, bedrock, 80/20 [clay?] | ALS-ICP61XRF12PGM24 |
| D | RYS002 | lateritic gravel | Riley Creek | 367218 | 5376768 | na | 20 | na | | 85% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS003 | lateritic gravel | Riley Creek | 367256 | 5376733 | na | 35 | na | | 95% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS004 | clay-rich lateritic gravel | Riley Creek | 367243 | 5376862 | na | 40 | na | | 80/20 [gravel/clay] | ALS-ICP61XRF12PGM24 |
| D | RYS005 | lateritic gravel | Riley Creek | 367283 | 5376824 | na | 40 | na | | 95% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS005S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367283 | 5376824 | na | 25 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61XRF12PGM24 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 H1001 | Sample | SType | Prospect | E_MGA55 | N_MGA55 | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|----------------|------------------|------------------------------|-------------|---------|---------|-------|----------|--------|---------|---|---------------------|
| | | | | metres | metres | | | | | | |
| D | RYS005S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367283 | 5376824 | na | 25 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS005S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367283 | 5376824 | na | 25 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS005S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367283 | 5376824 | na | 25 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS005S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367283 | 5376824 | na | 25 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS006 | lateritic gravel | Riley Creek | 367322 | 5376786 | na | 40 | na | | gravel, bedrock, 80/20 [clay?] | ALS-ICP61XRF12PGM24 |
| D | RYS007 | clay | Riley Creek | 367264 | 5376945 | na | 120 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS008 | clay-rich lateritic grave | Riley Creek | 367301 | 5376909 | na | 35 | na | | 80% clay, 20% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS009 | lateritic gravel | Riley Creek | 367336 | 5376872 | na | 35 | na | | rocky gravel | ALS-ICP61XRF12PGM24 |
| D | RYS010 | lateritic gravel | Riley Creek | 367372 | 5376838 | na | 30 | na | | 90% gravel, 10% clay; bedrock at 30cm | ALS-ICP61XRF12PGM24 |
| D | RYS011 | lateritic gravel | Riley Creek | 367406 | 5376808 | na | 30 | na | | 85% gravel, 15% mud | ALS-ICP61XRF12PGM24 |
| D | RYS012 | lateritic gravel | Riley Creek | 367441 | 5376776 | na | 40 | na | | 95% gravel, 5% mud | ALS-ICP61XRF12PGM24 |
| D | RYS013 | lateritic gravel | Riley Creek | 367335 | 5377010 | na | 90 | na | | 95% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS014 | clay-rich lateritic grave | Riley Creek | 367372 | 5376982 | na | 40 | na | | 75% gravel, 25% clay | ALS-ICP61XRF12PGM24 |
| D | RYS015 | lateritic gravel | Riley Creek | 367398 | 5376950 | na | 35 | na | | 90% gravel, on road | ALS-ICP61XRF12PGM24 |
| D | RYS015S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367398 | 5376950 | na | 40 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS015S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367398 | 5376950 | na | 40 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS015S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367398 | 5376950 | na | 40 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS015S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367398 | 5376950 | na | 40 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS015S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367398 | 5376950 | na | 40 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS016 | lateritic gravel | Riley Creek | 367429 | 5376915 | na | 30 | na | | 90% gravel, 10% mud | ALS-ICP61XRF12PGM24 |
| D | RYS018S_<1.6 | <1.6mm sieved gravelly clay | Riley Creek | 367419 | 5377082 | na | 130 | na | | gravelly clay, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS018S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367419 | 5377082 | na | 130 | na | | gravelly clay, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS018S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367419 | 5377082 | na | 130 | na | | gravelly clay, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS018S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367419 | 5377082 | na | 130 | na | | gravelly clay, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS018S_>6.4 | >6.4mm sieved gravelly clay | Riley Creek | 367419 | 5377082 | na | 130 | na | | gravelly clay, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS019 | lateritic gravel | Riley Creek | 367442 | 5377052 | na | 30 | na | | 95% gravel, 5% mud | ALS-ICP61XRF12PGM24 |
| D | RYS020 | lateritic gravel | Riley Creek | 367472 | 5377029 | na | 30 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS024S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367597 | 5376894 | na | 25 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS024S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367597 | 5376894 | na | 25 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS024S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367597 | 5376894 | na | 25 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS024S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367597 | 5376894 | na | 25 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS024S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367597 | 5376894 | na | 25 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS028 | lateritic gravel | Riley Creek | 367481 | 5377166 | na | 90 | na | | 95% clay, 5% gravel, serpentine outcrops | ALS-ICP61XRF12PGM24 |
| D | RYS029 | lateritic gravel | Riley Creek | 367518 | 5377128 | na | 85 | na | | 10% clay, 90% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS030 | lateritic gravel | Riley Creek | 367553 | 5377093 | na | 60 | na | | 95% gravel, 5% mud | ALS-ICP61XRF12PGM24 |
| D | RYS031 | lateritic gravel | Riley Creek | 367584 | 5377065 | na | 80 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS031S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367584 | 5377065 | na | 50 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS031S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367584 | 5377065 | na | 50 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|------------------|------------------------------|-------------|-------------------|-------------------|-------|----------|--------|---------|---|---------------------|
| H1001 | | | | | | | | | | | |
| D | RYS031S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367584 | 5377065 | na | 50 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS031S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367584 | 5377065 | na | 50 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS031S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367584 | 5377065 | na | 50 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS032 | lateritic gravel | Riley Creek | 367615 | 5377034 | na | 60 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS036 | lateritic gravel | Riley Creek | 367793 | 5376906 | na | 80 | na | | 85% gravel, 15% mud | ALS-ICP61XRF12PGM24 |
| D | RYS040 | lateritic gravel | Riley Creek | 367641 | 5377187 | na | 70 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS040S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367641 | 5377187 | na | 40 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS040S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367641 | 5377187 | na | 40 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS040S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367641 | 5377187 | na | 40 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS040S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367641 | 5377187 | na | 40 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS040S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367641 | 5377187 | na | 40 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS041 | lateritic gravel | Riley Creek | 367672 | 5377148 | na | 60 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS042 | lateritic gravel | Riley Creek | 367703 | 5377106 | na | 20 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS043 | lateritic gravel | Riley Creek | 367734 | 5377064 | na | 100 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS044 | lateritic gravel | Riley Creek | 367765 | 5377029 | na | 110 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS045 | lateritic gravel | Riley Creek | 367806 | 5376994 | na | 70 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS046 | lateritic gravel | Riley Creek | 367850 | 5376959 | na | 80 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS047 | lateritic gravel | Riley Creek | 367884 | 5376920 | na | 150 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS048 | clay | Riley Creek | 367917 | 5376887 | na | 130 | na | | clay-serpentine | ALS-ICP61XRF12PGM24 |
| D | RYS049 | lateritic gravel | Riley Creek | 367731 | 5377207 | na | 40 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS050 | lateritic gravel | Riley Creek | 367771 | 5377165 | na | 25 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS051 | lateritic gravel | Riley Creek | 367802 | 5377130 | na | 35 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS051S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367802 | 5377130 | na | 60 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS051S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367802 | 5377130 | na | 60 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS051S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367802 | 5377130 | na | 60 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS051S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367802 | 5377130 | na | 60 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS051S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367802 | 5377130 | na | 60 | na | | rocky | ALS-ICP61PGM24XRF12 |
| D | RYS052 | lateritic gravel | Riley Creek | 367842 | 5377088 | na | 30 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61XRF12PGM24 |
| D | RYS053 | clay | Riley Creek | 367879 | 5377059 | na | 30 | na | | 10% gravel, 90% clay | ALS-ICP61XRF12PGM24 |
| D | RYS054 | clay | Riley Creek | 367915 | 5377028 | na | 120 | na | | 15% gravel, 85% clay | ALS-ICP61XRF12PGM24 |
| D | RYS055 | clay | Riley Creek | 367955 | 5376994 | na | 120 | na | | 5% gravel 95% clay | ALS-ICP61XRF12PGM24 |
| D | RYS057 | clay | Riley Creek | 367821 | 5377228 | na | 100 | yw | | gold clay | ALS-ICP61XRF12PGM24 |
| D | RYS058 | lateritic gravel | Riley Creek | 367866 | 5377187 | na | 90 | rd | | red gravel | ALS-ICP61XRF12PGM24 |
| D | RYS059 | lateritic gravel | Riley Creek | 367908 | 5377149 | na | 20 | na | | gravel 100% | ALS-ICP61XRF12PGM24 |
| D | RYS060 | lateritic gravel | Riley Creek | 367943 | 5377114 | na | 85 | na | | gravel 100% | ALS-ICP61XRF12PGM24 |
| D | RYS061S_<1.6 | <1.6mm sieved gravelly clay | Riley Creek | 367979 | 5377075 | na | 90 | na | | gravelly clay, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS061S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367979 | 5377075 | na | 90 | na | | gravelly clay, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS061S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367979 | 5377075 | na | 90 | na | | gravelly clay, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS061S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367979 | 5377075 | na | 90 | na | | gravelly clay, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS061S_>6.4 | >6.4mm sieved gravelly clay | Riley Creek | 367979 | 5377075 | na | 90 | na | | gravelly clay, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS066 | lateritic gravel | Riley Creek | 367892 | 5377268 | na | 30 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS067 | lateritic gravel | Riley Creek | 367925 | 5377232 | na | 60 | na | | gravel | ALS-ICP61XRF12PGM24 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 H1001 | Sample | SType | Prospect | E_MGA55 | N_MGA55 | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|----------------|------------------|------------------------------|-------------|---------|---------|-------|----------|--------|---------|---|---------------------|
| | | | | metres | metres | | | | | | |
| D | RYS067S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367925 | 5377232 | na | 50 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS067S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367925 | 5377232 | na | 50 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS067S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367925 | 5377232 | na | 50 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS067S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367925 | 5377232 | na | 50 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS067S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367925 | 5377232 | na | 50 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS068 | lateritic gravel | Riley Creek | 367956 | 5377205 | na | 20 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS069 | lateritic gravel | Riley Creek | 367986 | 5377165 | na | 30 | na | | gravel 98% | ALS-ICP61XRF12PGM24 |
| D | RYS075 | lateritic gravel | Riley Creek | 367954 | 5377316 | na | 65 | na | | 80% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS076 | clay | Riley Creek | 367990 | 5377284 | na | 50 | na | | 5% gravel, 95% clay | ALS-ICP61XRF12PGM24 |
| D | RYS077 | clay | Riley Creek | 368024 | 5377255 | na | 120 | na | | clay | ALS-ICP61XRF12PGM24 |
| D | RYS078 | clay | Riley Creek | 368060 | 5377224 | na | 40 | na | | clay | ALS-ICP61XRF12PGM24 |
| D | RYS079 | clay | Riley Creek | 368098 | 5377195 | na | 80 | na | | 90% clay, 10% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS080 | clay | Riley Creek | 368136 | 5377163 | na | 70 | na | | clay | ALS-ICP61XRF12PGM24 |
| D | RYS085S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367840 | 5376409 | na | 15 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS085S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367840 | 5376409 | na | 15 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS085S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367840 | 5376409 | na | 15 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS085S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367840 | 5376409 | na | 15 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS085S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367840 | 5376409 | na | 15 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS090S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 367844 | 5376550 | na | 20 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS090S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 367844 | 5376550 | na | 20 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS090S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 367844 | 5376550 | na | 20 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS090S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 367844 | 5376550 | na | 20 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS090S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 367844 | 5376550 | na | 20 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS095 | lateritic gravel | Riley Creek | 367847 | 5376666 | na | 30 | na | | 95% gravel, 5% clay | ALS-ICP61XRF12PGM24 |
| D | RYS096 | clay-rich lateritic grave | Riley Creek | 367879 | 5376633 | na | 20 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS097 | clay-rich lateritic grave | Riley Creek | 367917 | 5376608 | na | 30 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS098 | clay-rich lateritic grave | Riley Creek | 367949 | 5376580 | na | 20 | na | | 80% gravel, 20% mud | ALS-ICP61XRF12PGM24 |
| D | RYS099 | clay-rich lateritic grave | Riley Creek | 367985 | 5376542 | na | 30 | na | | 50% clay, 50% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS100 | clay-rich lateritic grave | Riley Creek | 368022 | 5376501 | na | 50 | bk yw | | 80% black and gold clay in 2 layers, 20% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS101 | clay | Riley Creek | 368052 | 5376466 | na | 65 | na | | 99% clay | ALS-ICP61XRF12PGM24 |
| D | RYS103S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368019 | 5376648 | na | 45 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS103S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368019 | 5376648 | na | 45 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS103S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368019 | 5376648 | na | 45 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS103S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368019 | 5376648 | na | 45 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS103S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368019 | 5376648 | na | 45 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS109S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368221 | 5376442 | na | 50 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS109S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368221 | 5376442 | na | 50 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 H1001 | Sample | SType | Prospect | E_MGA55 | N_MGA55 | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|----------------|------------------|------------------------------|-------------|---------|---------|-------|----------|--------|---------|---|---------------------|
| | | | | metres | metres | | | | | | |
| D | RYS109S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368221 | 5376442 | na | 50 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS109S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368221 | 5376442 | na | 50 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS109S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368221 | 5376442 | na | 50 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS115S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368192 | 5376590 | na | 65 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS115S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368192 | 5376590 | na | 65 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS115S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368192 | 5376590 | na | 65 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS115S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368192 | 5376590 | na | 65 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS115S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368192 | 5376590 | na | 65 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS128S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368398 | 5376530 | na | 60 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS128S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368398 | 5376530 | na | 60 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS128S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368398 | 5376530 | na | 60 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS128S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368398 | 5376530 | na | 60 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS128S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368398 | 5376530 | na | 60 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS132 | lateritic gravel | Riley Creek | 368321 | 5376762 | na | 40 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS133 | lateritic gravel | Riley Creek | 368349 | 5376718 | na | 60 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS133S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368349 | 5376718 | na | 60 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS133S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368349 | 5376718 | na | 60 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS133S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368349 | 5376718 | na | 60 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS133S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368349 | 5376718 | na | 60 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS133S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368349 | 5376718 | na | 60 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS134 | lateritic gravel | Riley Creek | 368384 | 5376684 | na | 60 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS135 | lateritic gravel | Riley Creek | 368418 | 5376659 | na | 60 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS136 | lateritic gravel | Riley Creek | 368449 | 5376625 | na | 10 | na | | gravel; shallow outcrop | ALS-ICP61XRF12PGM24 |
| D | RYS137 | lateritic gravel | Riley Creek | 368471 | 5376597 | na | 45 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS138 | lateritic gravel | Riley Creek | 368513 | 5376560 | na | 45 | na | | gravel | ALS-ICP61XRF12PGM24 |
| D | RYS139 | lateritic gravel | Riley Creek | 368544 | 5376505 | na | 65 | na | | gravel 100% | ALS-ICP61XRF12PGM24 |
| D | RYS140 | lateritic gravel | Riley Creek | 368578 | 5376462 | na | 30 | na | | 90% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS146S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368541 | 5376660 | na | 70 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS146S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368541 | 5376660 | na | 70 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS146S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368541 | 5376660 | na | 70 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS146S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368541 | 5376660 | na | 70 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS146S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368541 | 5376660 | na | 70 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS149S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368641 | 5376530 | na | 15 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS149S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368641 | 5376530 | na | 15 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS149S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368641 | 5376530 | na | 15 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 H1001 | Sample | SType | Prospect | E_MGA55 | N_MGA55 | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|----------------|------------------|------------------------------|-------------|---------|---------|-------|----------|--------|---------|---|---------------------|
| | | | | metres | metres | | | | | | |
| D | RYS149S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368641 | 5376530 | na | 15 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS149S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368641 | 5376530 | na | 15 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS159 | clay-rich lateritic grave | Riley Creek | 368501 | 5377008 | na | 95 | na | | 80% clay 20% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS159S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368501 | 5377008 | na | 55 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS159S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368501 | 5377008 | na | 55 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS159S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368501 | 5377008 | na | 55 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS159S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368501 | 5377008 | na | 55 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS159S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368501 | 5377008 | na | 55 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS160 | clay-rich lateritic grave | Riley Creek | 368538 | 5376970 | na | 20 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS161 | lateritic gravel | Riley Creek | 368568 | 5376934 | na | 40 | na | | 90% gravel 10% clay | ALS-ICP61XRF12PGM24 |
| D | RYS162 | clay-rich lateritic grave | Riley Creek | 368605 | 5376897 | na | 60 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS163 | lateritic gravel | Riley Creek | 368636 | 5376857 | na | 55 | na | | 100% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS164 | lateritic gravel | Riley Creek | 368666 | 5376823 | na | 60 | na | | 90% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS165 | lateritic gravel | Riley Creek | 368689 | 5376794 | na | 30 | na | | 100% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS165S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368689 | 5376794 | na | 70 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS165S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368689 | 5376794 | na | 70 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS165S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368689 | 5376794 | na | 70 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS165S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368689 | 5376794 | na | 70 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS165S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368689 | 5376794 | na | 70 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS166 | lateritic gravel | Riley Creek | 368726 | 5376751 | na | 35 | na | | 100% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS167 | lateritic gravel | Riley Creek | 368767 | 5376710 | na | 75 | na | | 100% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS168 | clay-rich lateritic grave | Riley Creek | 368795 | 5376674 | na | 20 | na | | 70% clay, 30% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS171S_<1.6 | <1.6mm sieved lat gravel | Riley Creek | 368636 | 5376997 | na | 60 | na | | lateritic gravel, screened to <1.6mm | ALS-ICP61PGM24XRF12 |
| D | RYS171S_>1.6<3.2 | >1.6<3.2mm sieved lat gravel | Riley Creek | 368636 | 5376997 | na | 60 | na | | lateritic gravel, screened to >1.6 & <3.2mm | ALS-ICP61PGM24XRF12 |
| D | RYS171S_>3.2<4.8 | >3.2<4.8mm sieved lat gravel | Riley Creek | 368636 | 5376997 | na | 60 | na | | lateritic gravel, screened to >3.2 & <4.8mm | ALS-ICP61PGM24XRF12 |
| D | RYS171S_>4.8<6.4 | >4.8<6.4mm sieved lat gravel | Riley Creek | 368636 | 5376997 | na | 60 | na | | lateritic gravel, screened to >4.8 & <6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS171S_>6.4 | >6.4mm sieved lat gravel | Riley Creek | 368636 | 5376997 | na | 60 | na | | lateritic gravel, screened to >6.4mm | ALS-ICP61PGM24XRF12 |
| D | RYS219 | clay | Riley Creek | 367924 | 5376749 | na | 50 | na | | 80% clay, 20% serpentinite | ALS-ICP61XRF12PGM24 |
| D | RYS220 | clay-rich lateritic grave | Riley Creek | 367949 | 5376718 | na | 35 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS221 | clay | Riley Creek | 367956 | 5376852 | na | 35 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS222 | clay | Riley Creek | 367989 | 5376813 | na | 120 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS223 | clay | Riley Creek | 368033 | 5376778 | na | 95 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS224 | clay | Riley Creek | 368087 | 5376857 | na | 85 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS225 | clay | Riley Creek | 368133 | 5376813 | na | 90 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS226 | clay | Riley Creek | 368207 | 5376899 | na | 120 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS227 | lateritic gravel | Riley Creek | 368245 | 5376850 | na | 60 | na | | 100% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS228 | clay-rich lateritic grave | Riley Creek | 368283 | 5376811 | na | 30 | na | | 50% clay, 50% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS229 | clay-rich lateritic grave | Riley Creek | 368186 | 5377053 | na | 35 | na | | 60% clay, 40% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS230 | clay-rich lateritic grave | Riley Creek | 368216 | 5377017 | na | 40 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS231 | clay | Riley Creek | 368253 | 5376980 | na | 50 | na | | 90% clay, 10% clay | ALS-ICP61XRF12PGM24 |
| D | RYS232 | clay-rich lateritic grave | Riley Creek | 368283 | 5376944 | na | 100 | na | | 30% gravel, 70% clay | ALS-ICP61XRF12PGM24 |
| D | RYS233 | clay | Riley Creek | 368322 | 5376909 | na | 105 | na | | 90% clay, 10% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS234 | clay | Riley Creek | 368353 | 5376874 | na | 35 | na | | 90% clay, 10% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS235 | clay | Riley Creek | 368226 | 5377165 | na | 5 | na | | 100% clay | ALS-ICP61XRF12PGM24 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 metres | N_MGA55 metres | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|--------|---------------------------|-------------|-------------------|-------------------|-------|----------|--------|---------|--|---------------------|
| D | RYS236 | clay | Riley Creek | 368256 | 5377129 | na | 65 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS237 | clay | Riley Creek | 368286 | 5377093 | na | 20 | na | | clay | ALS-ICP61XRF12PGM24 |
| D | RYS238 | clay | Riley Creek | 368323 | 5377056 | na | 30 | na | | clay | ALS-ICP61XRF12PGM24 |
| D | RYS240 | clay | Riley Creek | 368390 | 5376983 | na | 90 | na | | clay | ALS-ICP61XRF12PGM24 |
| D | RYS241 | clay | Riley Creek | 368425 | 5376941 | na | 60 | na | | clay | ALS-ICP61XRF12PGM24 |
| D | RYS242 | clay | Riley Creek | 368307 | 5377228 | na | 110 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS243 | clay-rich lateritic grave | Riley Creek | 368337 | 5377192 | na | 120 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS244 | clay-rich lateritic grave | Riley Creek | 368345 | 5377151 | na | 110 | na | | 70% gravel, 30% clay | ALS-ICP61XRF12PGM24 |
| D | RYS245 | clay-rich lateritic grave | Riley Creek | 368404 | 5377118 | na | 110 | na | | 60% gravel, 40% clay | ALS-ICP61XRF12PGM24 |
| D | RYS246 | clay-rich lateritic grave | Riley Creek | 368434 | 5377082 | na | 95 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS247 | clay | Riley Creek | 368471 | 5377045 | na | 50 | na | | 90% clay, 10% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS248 | clay | Riley Creek | 368403 | 5377260 | na | 120 | na | | 90% clay, 10% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS249 | clay | Riley Creek | 368440 | 5377223 | na | 65 | na | | 100% clay; serpentinite at base | ALS-ICP61XRF12PGM24 |
| D | RYS250 | clay | Riley Creek | 368470 | 5377186 | na | 80 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS251 | clay | Riley Creek | 368488 | 5377143 | na | 60 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS252 | clay | Riley Creek | 368537 | 5377112 | na | 120 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS253 | clay-rich lateritic grave | Riley Creek | 368443 | 5377351 | na | 120 | na | | 70% clay, 30% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS254 | clay | Riley Creek | 368473 | 5377282 | na | 105 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS255 | clay | Riley Creek | 368497 | 5377263 | na | 50 | na | | 90% clay, 10% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS256 | clay | Riley Creek | 368527 | 5377227 | na | 90 | na | | 80% clay, 20% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS257 | clay | Riley Creek | 368565 | 5377190 | na | 15 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS258 | clay | Riley Creek | 368595 | 5377154 | na | 55 | na | | 90% clay, 10% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS259 | clay | Riley Creek | 368458 | 5377427 | na | 60 | na | | 80% clay | ALS-ICP61XRF12PGM24 |
| D | RYS260 | clay-rich lateritic grave | Riley Creek | 368495 | 5377390 | na | 75 | na | | 70% clay, 30% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS261 | clay | Riley Creek | 368525 | 5377354 | na | 75 | na | | 90% clay, 10% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS262 | clay-rich lateritic grave | Riley Creek | 368555 | 5377318 | na | 80 | na | | 60% gravel, 40% clay | ALS-ICP61XRF12PGM24 |
| D | RYS263 | clay | Riley Creek | 368592 | 5377281 | na | 60 | na | | 90% clay, 10% gravel; gravel at bottom | ALS-ICP61XRF12PGM24 |
| D | RYS264 | clay | Riley Creek | 368622 | 5377245 | na | 15 | na | | clay + rocks (serpentinite) | ALS-ICP61XRF12PGM24 |
| D | RYS265 | clay | Riley Creek | 368659 | 5377208 | na | 15 | na | | clay+rocks (serpentinite) | ALS-ICP61XRF12PGM24 |
| D | RYS267 | clay-rich lateritic grave | Riley Creek | 368527 | 5377501 | na | 40 | na | | 40% gravel, 60% clay | ALS-ICP61XRF12PGM24 |
| D | RYS268 | clay-rich lateritic grave | Riley Creek | 368464 | 5377628 | na | 40 | na | | 70% gravel, 30% clay | ALS-ICP61XRF12PGM24 |
| D | RYS269 | clay-rich lateritic grave | Riley Creek | 368495 | 5377594 | na | 75 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS270 | clay-rich lateritic grave | Riley Creek | 368532 | 5377556 | na | 70 | na | | 20% gravel, 80% clay | ALS-ICP61XRF12PGM24 |
| D | RYS271 | clay-rich lateritic grave | Riley Creek | 368305 | 5377892 | na | 30 | na | | 30% gravel, 70% clay | ALS-ICP61XRF12PGM24 |
| D | RYS272 | clay | Riley Creek | 368342 | 5377855 | na | 120 | rd yw | | 100% clay; 2 layers red top, gold bottom | ALS-ICP61XRF12PGM24 |
| D | RYS273 | clay-rich lateritic grave | Riley Creek | 368372 | 5377819 | na | 120 | na | | 20% gravel, 80% clay | ALS-ICP61XRF12PGM24 |
| D | RYS274 | clay-rich lateritic grave | Riley Creek | 368402 | 5377783 | na | 120 | rd yw | | 40% gravel, 60% clay; 2 layers, red top, gold bottom | ALS-ICP61XRF12PGM24 |
| D | RYS275 | lateritic gravel | Riley Creek | 368439 | 5377746 | na | 110 | na | | 90% gravel, 10% clay | ALS-ICP61XRF12PGM24 |
| D | RYS276 | clay-rich lateritic grave | Riley Creek | 368469 | 5377710 | na | 120 | na | | 40% gravel, 60% clay | ALS-ICP61XRF12PGM24 |
| D | RYS277 | clay-rich lateritic grave | Riley Creek | 368499 | 5377674 | na | 120 | na | | 40% gravel, 60% clay | ALS-ICP61XRF12PGM24 |
| D | RYS278 | clay-rich lateritic grave | Riley Creek | 368536 | 5377637 | na | 120 | na | | 40% gravel, 60% clay | ALS-ICP61XRF12PGM24 |
| D | RYS279 | clay-rich lateritic grave | Riley Creek | 368566 | 5377601 | na | 120 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS280 | clay-rich lateritic grave | Riley Creek | 368603 | 5377564 | na | 45 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS281 | clay-rich lateritic grave | Riley Creek | 368381 | 5377968 | na | 120 | na | | 20% gravel, 80% clay | ALS-ICP61XRF12PGM24 |
| D | RYS282 | clay-rich lateritic grave | Riley Creek | 368418 | 5377931 | na | 40 | na | | 50% gravel, 50% clay; too many roots to go deeper | ALS-ICP61XRF12PGM24 |
| D | RYS283 | clay-rich lateritic grave | Riley Creek | 368448 | 5377895 | na | 50 | na | | 50% clay; too many roots to go deeper | ALS-ICP61XRF12PGM24 |
| D | RYS284 | clay-rich lateritic grave | Riley Creek | 368478 | 5377859 | na | 100 | na | | 20% gravel, 80% clay | ALS-ICP61XRF12PGM24 |
| D | RYS285 | clay-rich lateritic grave | Riley Creek | 368515 | 5377822 | na | 60 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS286 | clay-rich lateritic grave | Riley Creek | 368545 | 5377786 | na | 40 | na | | 70% gravel, 30% clay | ALS-ICP61XRF12PGM24 |
| D | RYS287 | clay-rich lateritic grave | Riley Creek | 368575 | 5377750 | na | 60 | na | | 90% gravel, 10% clay | ALS-ICP61XRF12PGM24 |
| D | RYS288 | clay-rich lateritic grave | Riley Creek | 368612 | 5377713 | na | 100 | na | | 90% gravel, 10% clay | ALS-ICP61XRF12PGM24 |
| D | RYS289 | clay | Riley Creek | 368642 | 5377677 | na | 120 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS290 | clay-rich lateritic grave | Riley Creek | 368679 | 5377640 | na | 45 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS291 | clay | Riley Creek | 368716 | 5377603 | na | 120 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS292 | clay-rich lateritic grave | Riley Creek | 368453 | 5378030 | na | 120 | na | | 60% gravel, 40% clay | ALS-ICP61XRF12PGM24 |
| D | RYS293 | clay-rich lateritic grave | Riley Creek | 368490 | 5377993 | na | 80 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | SType | Prospect | E_MGA55 | N_MGA55 | Flora | Depth_cm | Colour | Horizon | Description | Ascheme |
|-------|---------|---------------------------|-------------|---------|---------|-------|----------|--------|---------|--|---------------------|
| | | | | metres | metres | | | | | | |
| D | RYS294 | clay-rich lateritic grave | Riley Creek | 368520 | 5377957 | na | 30 | na | | 75% gravel, 25% clay | ALS-ICP61XRF12PGM24 |
| D | RYS295 | clay-rich lateritic grave | Riley Creek | 368550 | 5377921 | na | 45 | na | | 75% gravel, 25% clay | ALS-ICP61XRF12PGM24 |
| D | RYS296 | clay-rich lateritic grave | Riley Creek | 368587 | 5377884 | na | 45 | na | | 70% gravel, 30% clay | ALS-ICP61XRF12PGM24 |
| D | RYS297 | clay-rich lateritic grave | Riley Creek | 368617 | 5377848 | na | 30 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS299 | lateritic gravel | Riley Creek | 368684 | 5377775 | na | 35 | na | | 100% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS300 | lateritic gravel | Riley Creek | 368714 | 5377739 | na | 15 | na | | 90% gravel; rocky | ALS-ICP61XRF12PGM24 |
| D | RYS301 | lateritic gravel | Riley Creek | 368751 | 5377702 | na | 15 | gy | | 90% gravel; grey gravel | ALS-ICP61XRF12PGM24 |
| D | RYS301A | clay-rich lateritic grave | Riley Creek | 368788 | 5377665 | na | 10 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS302 | clay | Riley Creek | 368522 | 5378104 | na | 120 | rd bn | | 100% clay; red to 90cm, brown below | ALS-ICP61XRF12PGM24 |
| D | RYS303 | clay-rich lateritic grave | Riley Creek | 368559 | 5378067 | na | 60 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS304 | clay-rich lateritic grave | Riley Creek | 368589 | 5378031 | na | 60 | na | | 75% gravel, 25% clay | ALS-ICP61XRF12PGM24 |
| D | RYS305 | clay-rich lateritic grave | Riley Creek | 368619 | 5377995 | na | 30 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS306 | clay-rich lateritic grave | Riley Creek | 368656 | 5377958 | na | 30 | na | | 70% gravel, 30% clay | ALS-ICP61XRF12PGM24 |
| D | RYS307 | clay | Riley Creek | 368686 | 5377922 | na | 80 | na | | 95% clay | ALS-ICP61XRF12PGM24 |
| D | RYS308 | clay | Riley Creek | 368716 | 5377886 | na | 55 | na | | 100% clay laterite | ALS-ICP61XRF12PGM24 |
| D | RYS309 | lateritic gravel | Riley Creek | 368753 | 5377849 | na | 20 | na | | 100% gravel | ALS-ICP61XRF12PGM24 |
| D | RYS310 | clay | Riley Creek | 368783 | 5377813 | na | 40 | na | | 10% gravel, 90% clay | ALS-ICP61XRF12PGM24 |
| D | RYS311 | clay | Riley Creek | 368820 | 5377776 | na | 120 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS312 | clay | Riley Creek | 368857 | 5377739 | na | 120 | na | | 100% clay | ALS-ICP61XRF12PGM24 |
| D | RYS313 | clay | Riley Creek | 368598 | 5378167 | na | 120 | na | | 10% gravel, 90% clay | ALS-ICP61XRF12PGM24 |
| D | RYS314 | clay-rich lateritic grave | Riley Creek | 368635 | 5378130 | na | 75 | na | | 60% gravel, 40% clay | ALS-ICP61XRF12PGM24 |
| D | RYS315 | clay-rich lateritic grave | Riley Creek | 368665 | 5378094 | na | 120 | na | | 20% gravel, 80% clay | ALS-ICP61XRF12PGM24 |
| D | RYS316 | clay-rich lateritic grave | Riley Creek | 368695 | 5378058 | na | 65 | na | | 20% gravel, 80% clay | ALS-ICP61XRF12PGM24 |
| D | RYS317 | clay-rich lateritic grave | Riley Creek | 368732 | 5378021 | na | 60 | na | | 40% gravel, 60% clay | ALS-ICP61XRF12PGM24 |
| D | RYS318 | clay-rich lateritic grave | Riley Creek | 368762 | 5377985 | na | 50 | na | | 40% gravel, 60% clay | ALS-ICP61XRF12PGM24 |
| D | RYS319 | clay-rich lateritic grave | Riley Creek | 368792 | 5377949 | na | 25 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS320 | clay-rich lateritic grave | Riley Creek | 368829 | 5377912 | na | 20 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS321 | clay-rich lateritic grave | Riley Creek | 368859 | 5377876 | na | 60 | na | | 40% gravel, 60% clay | ALS-ICP61XRF12PGM24 |
| D | RYS322 | soil | Riley Creek | 368896 | 5377839 | na | 5 | na | | shallow organic soil on serpentinite outcrop | ALS-ICP61XRF12PGM24 |
| D | RYS323 | clay-rich lateritic grave | Riley Creek | 368674 | 5378243 | na | 50 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS324 | clay-rich lateritic grave | Riley Creek | 368711 | 5378206 | na | 20 | na | | 20% gravel, 40% clay, 40% rocks | ALS-ICP61XRF12PGM24 |
| D | RYS325 | clay-rich lateritic grave | Riley Creek | 368741 | 5378170 | na | 25 | na | | 80% gravel, 20% clay | ALS-ICP61XRF12PGM24 |
| D | RYS326 | clay-rich lateritic grave | Riley Creek | 368771 | 5378134 | na | 60 | na | | 10% gravel, 90% clay | ALS-ICP61XRF12PGM24 |
| D | RYS327 | clay-rich lateritic grave | Riley Creek | 368808 | 5378097 | na | 15 | na | | 80% gravel, 20% organic soil | ALS-ICP61XRF12PGM24 |
| D | RYS328 | clay-rich lateritic grave | Riley Creek | 368838 | 5378061 | na | 30 | na | | 20% gravel + swamp sediments | ALS-ICP61XRF12PGM24 |
| D | RYS329 | soil | Riley Creek | 368868 | 5378025 | na | 15 | na | | organic soils | ALS-ICP61XRF12PGM24 |
| D | RYS330 | clay-rich lateritic grave | Riley Creek | 368905 | 5377988 | na | 30 | na | | 50% gravel, 50% clay | ALS-ICP61XRF12PGM24 |
| D | RYS331 | clay-rich lateritic grave | Riley Creek | 368935 | 5377952 | na | 40 | na | | 10% gravel, 90% clay | ALS-ICP61XRF12PGM24 |
| D | RYS332 | clay-rich lateritic grave | Riley Creek | 368972 | 5377915 | na | 40 | na | | 20% gravel, 80% clay | ALS-ICP61XRF12PGM24 |
| EOF | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|-----------|---------|---------|---------|-------|-------|-------|-------|----------|----------|----------|-----|-----|------|-------|------|-------|-------|-------|-------|------|-------|-------|-------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | BWS028 | AD12044736 | 4/04/2012 | -0.0005 | 0.0002 | 0.00066 | 12.9 | 10.85 | 0.05 | 7.9 | -999 | -999 | -999 | 10 | 20 | 0.14 | 0.2 | 0.06 | 0.05 | 4.7 | 178 | 461 | 0.96 | 245 | 20.6 | 0.69 | 1 |
| D | BWS029 | AD12044736 | 4/04/2012 | -0.0005 | 0.00013 | 0.00014 | 13 | 7.72 | 0.04 | 5.2 | -999 | -999 | -999 | -10 | 30 | 0.18 | 0.18 | 0.51 | 0.05 | 3.02 | 81.6 | 582 | 0.28 | 140 | 18.45 | 0.56 | 1 |
| D | BWS030 | AD12044736 | 4/04/2012 | 0.0093 | 0.005 | 0.00044 | 6.14 | 5.37 | 0.07 | 82.4 | -999 | -999 | -999 | 20 | 40 | 0.83 | 6.29 | 0.13 | -0.02 | 59.6 | 35.9 | 3070 | 5.8 | 113.5 | 13.75 | 0.21 | 3.3 |
| D | BWS031 | AD12044736 | 4/04/2012 | 0.0015 | 0.00151 | 0.00062 | 8.23 | 5.01 | 0.08 | 31.6 | -999 | -999 | -999 | 20 | 20 | 0.68 | 1.54 | 0.4 | -0.02 | 42.5 | 36 | -1111 | 5.87 | 108 | 12.9 | 0.29 | 2.5 |
| D | BWS032 | AD12044736 | 4/04/2012 | 0.0174 | 0.00482 | 0.00236 | 13.15 | 8.14 | 0.02 | 101.5 | -999 | -999 | -999 | 110 | 50 | 1 | 4.17 | 0.34 | -0.02 | 22.8 | 40.2 | -1111 | 4.14 | 138 | 19.59 | 0.6 | 3.3 |
| D | BWS033 | AD12044736 | 4/04/2012 | 0.0093 | 0.00341 | 0.00048 | 7.84 | 6.33 | 0.01 | 104 | -999 | -999 | -999 | 60 | 100 | 1.6 | 2.96 | 0.49 | -0.02 | 65.6 | 60.2 | -1111 | 7.13 | 95 | 15.1 | 0.24 | 4.7 |
| D | BWS034 | AD12044736 | 4/04/2012 | 0.0311 | 0.00625 | 0.00053 | 11.65 | 5.55 | 0.07 | 109 | -999 | -999 | -999 | 220 | 170 | 1.46 | 2.2 | 0.96 | 0.28 | 69.3 | 193.5 | 6570 | 2.08 | 147.5 | 13.1 | 0.3 | 1.8 |
| D | BWS035 | AD12044736 | 4/04/2012 | 0.0033 | 0.00264 | 0.00034 | 11.4 | 9.27 | 0.06 | 20.6 | -999 | -999 | -999 | 10 | 30 | 0.35 | 2.56 | 0.02 | -0.02 | 4.83 | 13.1 | 618 | 1.04 | 108.5 | 21.8 | 0.57 | 2.3 |
| D | BWS036 | AD12044736 | 4/04/2012 | 0.0014 | 0.00147 | 0.00044 | 9.73 | 9.93 | 0.02 | 14.7 | -999 | -999 | -999 | 10 | 130 | 0.37 | 1.53 | 0.04 | -0.02 | 78.9 | 9.5 | 575 | 2 | 62.2 | 23.4 | 0.48 | 4.7 |
| D | BWS037 | AD12044736 | 4/04/2012 | 0.0009 | 0.00013 | 0.0002 | 1.24 | 0.31 | 0.01 | 1 | -999 | -999 | -999 | 30 | 10 | 0.07 | 0.16 | 0.04 | 0.02 | 10.3 | 0.7 | 87 | 0.18 | 2.7 | 1.35 | 0.07 | 2.2 |
| D | BWS038 | AD12044736 | 4/04/2012 | 0.0007 | 0.00018 | 0.00037 | 1.31 | 1.02 | 0.14 | 2 | -999 | -999 | -999 | 20 | 20 | 0.12 | 0.19 | 0.05 | 0.03 | 12.8 | 1 | 79 | 0.47 | 2.7 | 3.88 | -0.05 | 3 |
| D | BWS039 | AD12044736 | 4/04/2012 | 0.0007 | 0.00007 | 0.00018 | 1.38 | 0.13 | 0.04 | 1.3 | -999 | -999 | -999 | 20 | -10 | 0.05 | 0.16 | 0.04 | -0.02 | 3.74 | 0.6 | 64 | 0.14 | 2.3 | 0.53 | 0.07 | 1.6 |
| D | BWS040 | AD12044736 | 4/04/2012 | 0.0005 | 0.0002 | 0.00016 | 12.85 | 6.56 | 0.04 | 8.4 | -999 | -999 | -999 | 10 | 20 | 0.15 | 0.27 | 0.32 | 0.07 | 4.67 | 14 | 482 | 1.25 | 159 | 15.5 | 0.55 | 1 |
| D | BWS041 | AD12044736 | 4/04/2012 | 0.0009 | 0.00039 | 0.00021 | 14.25 | 7.38 | 0.03 | 20.4 | -999 | -999 | -999 | 10 | 30 | 0.18 | 0.38 | 0.33 | 0.05 | 10.55 | 19.5 | 1110 | 1.9 | 127.5 | 17.15 | 0.61 | 1.6 |
| D | BWS042 | AD12044736 | 4/04/2012 | 0.0016 | 0.0007 | 0.00033 | 15.65 | 9.06 | 0.04 | 33.9 | -999 | -999 | -999 | -10 | 20 | 0.19 | 0.57 | 0.08 | -0.02 | 9.52 | 20.6 | 679 | 1.83 | 194 | 21 | 0.95 | 1.6 |
| D | BWS043 | AD12044736 | 4/04/2012 | 0.0015 | 0.00039 | 0.00016 | 11.85 | 7.97 | 0.08 | 18.4 | -999 | -999 | -999 | -10 | 30 | 0.14 | 0.41 | 0.2 | 0.05 | 6.25 | 27.4 | 422 | 2.6 | 133 | 14.85 | 0.35 | 0.8 |
| D | BWS044 | AD12044736 | 4/04/2012 | 0.0013 | 0.00021 | 0.00021 | 10.55 | 6 | 0.07 | 14.5 | -999 | -999 | -999 | -10 | 30 | 0.19 | 0.34 | 0.25 | 0.07 | 10.2 | 37.1 | 920 | 1.7 | 83.2 | 10.95 | 0.22 | 0.8 |
| D | BWS045 | AD12044736 | 4/04/2012 | 0.0018 | 0.00093 | 0.00042 | 11.9 | 8.51 | 0.02 | 103.5 | -999 | -999 | -999 | -10 | 100 | 1.28 | 1.49 | 0.12 | 0.09 | 53.4 | 52.5 | 3700 | 4.73 | 129 | 24.2 | 0.43 | 3.6 |
| D | BWS046 | AD12044736 | 4/04/2012 | 0.0165 | 0.00605 | 0.00097 | 10.5 | 7.03 | 0.06 | 372 | -999 | -999 | -999 | -10 | 130 | 1.6 | 3.51 | 0.34 | 0.18 | 60.1 | 33.7 | 1760 | 7.57 | 151.5 | 16 | 0.31 | 3.2 |
| D | BWS047 | AD12044736 | 4/04/2012 | 0.0157 | 0.00247 | 0.00034 | 5.47 | 4.73 | 0.05 | 63.1 | -999 | -999 | -999 | 30 | 50 | 0.97 | 2 | 0.13 | 0.06 | 55.4 | 42.4 | 7610 | 5.44 | 76.5 | 11.25 | 0.18 | 2.9 |
| D | BWS048 | AD12044736 | 4/04/2012 | 0.0043 | 0.00159 | 0.00076 | 5.12 | 5.64 | -0.01 | 26.7 | -999 | -999 | -999 | 70 | 10 | 1.05 | 0.81 | 0.11 | -0.02 | 38 | 18.2 | 824 | 3.09 | 28.8 | 18.45 | 0.17 | 4 |
| D | BWS049 | AD12044736 | 4/04/2012 | 0.0089 | 0.00222 | 0.0005 | 10.25 | 5.96 | 0.03 | 97 | -999 | -999 | -999 | 100 | 90 | 1.18 | 1.91 | 0.3 | 0.05 | 61.4 | 340 | 9050 | 4.74 | 98.4 | 15.35 | 0.4 | 4.6 |
| D | BWS050 | AD12044736 | 4/04/2012 | 0.0123 | 0.00192 | 0.00045 | 9.75 | 6.09 | 0.06 | 65.8 | -999 | -999 | -999 | 110 | 60 | 0.68 | 1.61 | 0.33 | -0.02 | 35.8 | 87.3 | 8640 | 2.6 | 74.7 | 14.95 | 0.57 | 4.3 |
| D | BWS051 | AD12044736 | 4/04/2012 | 0.0137 | 0.00207 | 0.00038 | 7.73 | 4.66 | 0.05 | 48.7 | -999 | -999 | -999 | 60 | 70 | 0.73 | 1.79 | 0.56 | -0.02 | 29.5 | 75.2 | 9120 | 2.48 | 59.2 | 10.8 | 0.24 | 3 |
| D | BWS052 | AD12044736 | 4/04/2012 | 0.0026 | 0.00158 | 0.00068 | 4.85 | 6.68 | 0.26 | 26 | -999 | -999 | -999 | -10 | 170 | 0.81 | 1.56 | 0.03 | -0.02 | 23 | 7.8 | 208 | 2.03 | 27.4 | 21 | 0.25 | 6 |
| D | BWS053 | AD12044736 | 4/04/2012 | 0.0035 | 0.00033 | 0.00049 | 1.8 | 3.91 | 0.04 | 2.5 | -999 | -999 | -999 | 50 | 280 | 1.39 | 0.32 | 0.31 | 0.06 | 114.5 | 13 | 6190 | 3.4 | 5.5 | 8.65 | 0.2 | 4.5 |
| D | BWS054 | AD12044736 | 4/04/2012 | -0.0005 | 0.00011 | 0.00011 | 12.95 | 7.62 | 0.03 | 2.6 | -999 | -999 | -999 | -10 | 20 | 0.1 | 0.25 | 0.28 | 0.03 | 3.14 | 22.8 | 1240 | 1.9 | 77.6 | 12.95 | 0.69 | 0.5 |
| D | BWS055 | AD12044736 | 4/04/2012 | -0.0005 | 0.0004 | 0.00029 | 13.75 | 8.34 | 0.06 | 4.5 | -999 | -999 | -999 | -10 | 20 | 0.27 | 0.34 | 0.11 | -0.02 | 1.32 | 24.7 | 281 | 1.52 | 176.5 | 21.8 | 0.81 | 0.8 |
| D | BWS056 | AD12044736 | 4/04/2012 | -0.0005 | 0.00028 | 0.00026 | 13.5 | 10.35 | 0.04 | 4.7 | -999 | -999 | -999 | -10 | 20 | 0.24 | 0.32 | 0.29 | 0.03 | 5.49 | 113 | 529 | 2.33 | 267 | 21 | 1.13 | 0.9 |
| D | BWS057 | AD12044736 | 4/04/2012 | -0.0005 | 0.00028 | 0.00024 | 16.05 | 10.15 | 0.06 | 7.7 | -999 | -999 | -999 | 10 | 20 | 0.2 | 0.34 | 0.17 | 0.05 | 6.53 | 22.1 | 1050 | 1.92 | 222 | 22.6 | 1.33 | 1.2 |
| D | BWS058 | AD12044736 | 4/04/2012 | -0.0005 | 0.00025 | 0.00023 | 13.5 | 9.48 | 0.06 | 9 | -999 | -999 | -999 | 10 | 20 | 0.21 | 0.47 | 0.14 | 0.03 | 5.54 | 24.2 | 671 | 2.11 | 237 | 18.25 | 1.17 | 1 |
| D | BWS059 | AD12044736 | 4/04/2012 | 0.0019 | 0.00068 | 0.00068 | 12.75 | 7.57 | 0.05 | 31.1 | -999 | -999 | -999 | 20 | 20 | 0.41 | 0.67 | 0.06 | -0.02 | 2.36 | 31.3 | 398 | 1.42 | 248 | 18.45 | 0.45 | 1 |
| D | BWS060 | AD12044736 | 4/04/2012 | 0.248 | 0.085 | 0.00565 | 42.1 | 4.19 | 0.06 | 1135 | -999 | -999 | -999 | 10 | 20 | 1.22 | 28.6 | 0.03 | -0.02 | 19.25 | 16.9 | 489 | 1.43 | 571 | 18.8 | 3.45 | 3.3 |
| D | BWS061 | AD12044736 | 4/04/2012 | 0.1935 | 0.052 | 0.00596 | 23.4 | 4.93 | 0.07 | 1140 | -999 | -999 | -999 | 40 | 70 | 1.31 | 17.4 | 0.03 | -0.02 | 39.1 | 4.4 | 730 | 2.85 | 320 | 19.95 | 2.19 | 3.6 |
| D | BWS062 | AD12044736 | 4/04/2012 | 0.1025 | 0.0238 | 0.00276 | 19.05 | 6.65 | 0.07 | 725 | -999 | -999 | -999 | 30 | 30 | 0.75 | 11.45 | 0.08 | -0.02 | 15.2 | 15.9 | 2550 | 2.39 | 249 | 18.95 | 1.21 | 2.7 |
| D | BWS063 | AD12044736 | 4/04/2012 | 0.0889 | 0.01725 | 0.00279 | 17.05 | 6.81 | 0.06 | 1080 | -999 | -999 | -999 | 30 | 20 | 0.58 | 12.5 | 0.13 | -0.02 | 12.15 | 14.2 | 1860 | 2.48 | 260 | 19.35 | 0.92 | 1.9 |
| D | BWS064 | AD12044736 | 4/04/2012 | 0.0214 | 0.00487 | 0.00095 | 12.05 | 4.22 | 0.04 | 271 | -999 | -999 | -999 | 20 | 10 | 0.16 | 3.99 | 0.49 | 0.03 | 4.96 | 53.5 | 7210 | 1.17 | 78.9 | 11.85 | 0.65 | 1 |
| D | BWS065 | AD12044736 | 4/04/2012 | 0.0064 | 0.00171 | 0.00069 | 12.6 | 6.31 | 0.05 | 118 | -999 | -999 | -999 | 40 | 80 | 0.76 | 1.9 | 0.31 | -0.02 | 14.7 | 54.5 | 5440 | 2.93 | 50.6 | 15.25 | 0.77 | 2.9 |
| D | BWS066 | AD12044736 | 4/04/2012 | 0.0034 | 0.00104 | 0.00079 | 9.97 | 6.86 | 0.05 | 90.8 | -999 | -999 | -999 | 40 | 100 | 0.63 | 1.65 | 0.14 | -0.02 | 19.95 | 27.2 | 2340 | 4.35 | 39.5 | 16.65 | 0.57 | 4.3 |
| D | BWS067 | AD12044736 | 4/04/2012 | 0.0246 | 0.00998 | 0.00095 | 9.79 | 6.68 | 0.04 | 261 | -999 | -999 | -999 | 40 | 50 | 0.54 | 6.44 | 0.19 | -0.02 | 20.3 | 20.3 | 4290 | 4.08 | 144 | 15.8 | 0.5 | 3.2 |
| D | BWS068 | AD12044736 | 4/04/2012 | 0.0213 | 0.00921 | 0.00126 | 12.15 | 6.78 | 0.05 | 316 | -999 | -999 | -999 | 50 | 60 | 0.81 | 6.72 | 0.13 | -0.02 | 27.1 | 38.1 | 3060 | 3.98 | 205 | 16.35 | 0.95 | 3.3 |
| D | BWS069 | AD12044736 | 4/04/2012 | 0.0201 | 0.00357 | 0.00066 | 8.7 | 4.68 | 0.05 | 241 | -999 | -999 | -999 | 40 | 60 | 1.58 | 2.74 | 0.19 | -0.02 | 39.9 | 52 | 9540 | 3.14 | 87.8 | 11.35 | 0.27 | 2.1 |
| D | BWS070 | AD12044736 | 4/04/2012 | 0.0223 | 0.00108 | 0.00026 | 9.18 | 1.54 | 0.07 | 40.1 | -999 | -999 | -999 | 40 | 20 | 0.23 | 0.62 | 0.19 | 0.08 | 12.35 | 30 | 8410 | 0.29 | 35.8 | 5.42 | 0.2 | 1.6 |
| D | BWS072 | AD12044736 | 4/04/2012 | 0.0009 | 0.00011 | 0.00014 | 0.65 | 0.19 | 0.03 | 4.1 | -999 | -999 | -999 | 30 | 10 | 0.07 | 0.25 | 0.03 | 0.02 | 8.15 | 1.2 | 169 | 0.13 | 2.3 | 0.6 | 0.1 | 2.1 |
| D | BWS073 | AD12044736 | 4/04/2012 | 0.001 | 0.00009 | 0.0001 | 0.77 | 0.15 | 0.03 | 1.4 | -999 | -999 | -999 | 20 | 10 | 0.07 | 0.31 | 0.04 | 0.04 | 8.19 | 0.7 | 99 | 0.11 | 2 | 0.57 | 0.09 | 2 |
| D | BWS074 | AD12044736 | 4/04/2012 | 0.0008 | 0.0001 | 0.00019 | 0.85 | 0.31 | 0.03 | 1.5 | -999 | -999 | -999 | 20 | 10 | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|-----------|---------|---------|---------|-------|------|-------|-------|----------|----------|----------|-----|-----|-------|------|------|-------|-------|------|-------|------|------|-------|------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | BWS090 | AD12044736 | 4/04/2012 | 0.0077 | 0.00074 | 0.00025 | 7.71 | 1.66 | 0.01 | 21.3 | -999 | -999 | -999 | 40 | 20 | 0.5 | 0.35 | 1.03 | -0.02 | 15.15 | 82 | -1111 | 1.05 | 6.1 | 4.93 | 0.21 | 0.9 |
| D | BWS092 | AD12044736 | 4/04/2012 | 0.0256 | 0.00089 | 0.0013 | 4.34 | 3.52 | 0.03 | 11.7 | -999 | -999 | -999 | 100 | 80 | 1.54 | 0.43 | 0.2 | -0.03 | 225 | 34.6 | -1111 | 3.56 | 2.2 | 12 | 0.34 | 4.8 |
| D | BWS093 | AD12044736 | 4/04/2012 | 0.001 | 0.00066 | 0.00032 | 2.11 | 2.58 | 0.02 | 6.7 | -999 | -999 | -999 | 30 | 50 | 0.31 | 0.83 | 0.1 | 0.02 | 27.8 | 2.2 | 253 | 1.44 | 4.8 | 14 | 0.11 | 3.9 |
| D | BWS094 | AD12044736 | 4/04/2012 | 0.0006 | 0.00016 | 0.00015 | 1.48 | 4.7 | -0.01 | 1.8 | -999 | -999 | -999 | 30 | 20 | 1.03 | 0.19 | 0.07 | -0.02 | 109 | 1.6 | 69 | 2.74 | 1.1 | 21.1 | 0.18 | 3.7 |
| D | BWS095 | AD12044736 | 4/04/2012 | -0.0005 | 0.0002 | 0.00021 | 2.04 | 6.57 | -0.01 | 4.9 | -999 | -999 | -999 | 30 | 20 | 1.04 | 0.15 | 0.04 | -0.02 | 84.5 | 3.9 | 44 | 3.52 | 0.9 | 23.9 | 0.18 | 3.4 |
| D | BWS096 | AD12044736 | 4/04/2012 | -0.0005 | 0.00019 | 0.00018 | 2.33 | 2.44 | 0.01 | 1.6 | -999 | -999 | -999 | 40 | 20 | 0.87 | 0.14 | 0.08 | 0.07 | 56.5 | 1.3 | 45 | 2.16 | 3.6 | 7.62 | 0.16 | 1.9 |
| D | BWS097 | AD12044736 | 4/04/2012 | 0.0227 | 0.0147 | 0.00055 | 7.07 | 3.38 | 0.01 | 99.9 | -999 | -999 | -999 | 40 | 30 | 0.67 | 2.41 | 0.06 | -0.02 | 118.5 | 14.6 | 8780 | 2.01 | 22.7 | 12 | 0.32 | 3.6 |
| D | BWS098 | AD12044736 | 4/04/2012 | 0.0089 | 0.00774 | 0.00097 | 13.35 | 4.74 | 0.04 | 116.5 | -999 | -999 | -999 | 30 | 160 | 0.48 | 5.51 | 0.6 | -0.02 | 17.45 | 51 | 6210 | 2.83 | 17.1 | 14.4 | 1.04 | 3 |
| D | BWS099 | AD12044736 | 4/04/2012 | 0.0254 | 0.0181 | 0.01212 | 23.2 | 4.86 | 0.03 | 170 | -999 | -999 | -999 | 20 | 40 | 1.66 | 24.6 | 0.32 | -0.02 | 41.7 | 59 | 8760 | 2.16 | 16.9 | 29 | 2.05 | 4.6 |
| D | BWS100 | AD12044736 | 4/04/2012 | 0.0057 | 0.00483 | 0.00103 | 15.15 | 4.76 | 0.03 | 56.7 | -999 | -999 | -999 | 10 | 70 | 0.47 | 9.82 | 0.19 | -0.02 | 13.75 | 57 | -1111 | 2.55 | 19.1 | 16.15 | 1.17 | 3.3 |
| D | BWS101 | AD12044736 | 4/04/2012 | 0.0045 | 0.00162 | 0.0005 | 8.31 | 2.66 | 0.03 | 21.4 | -999 | -999 | -999 | 30 | 40 | 0.65 | 2.01 | 0.75 | -0.02 | 15.5 | 67.3 | -1111 | 2.07 | 7.9 | 7.74 | 0.24 | 1.6 |
| D | BWS102 | AD12044736 | 4/04/2012 | 0.0047 | 0.00104 | 0.00039 | 10.05 | 1.96 | 0.02 | 32.4 | -999 | -999 | -999 | 40 | 30 | 0.6 | 0.92 | 0.81 | -0.02 | 22.8 | 82.7 | -1111 | 1.17 | 6.2 | 6.46 | 0.28 | 1.6 |
| D | BWS103 | AD12044736 | 4/04/2012 | 0.004 | 0.00063 | 0.00029 | 11 | 1.7 | 0.12 | 32 | -999 | -999 | -999 | 50 | 20 | 0.35 | 0.63 | 0.93 | 0.08 | 14.35 | 79.1 | -1111 | 1.26 | 16.8 | 5.86 | 0.25 | 0.9 |
| D | BWS104 | AD12044736 | 4/04/2012 | 0.0051 | 0.00071 | 0.00048 | 11.45 | 2.03 | 0.03 | 35 | -999 | -999 | -999 | 40 | 50 | 0.46 | 0.9 | 0.93 | 0.05 | 17.05 | 77.2 | -1111 | 1.27 | 7.3 | 7.57 | 0.24 | 1.6 |
| D | BWS105 | AD12044736 | 4/04/2012 | 0.0037 | 0.00048 | 0.00038 | 9 | 1.67 | 0.02 | 18.3 | -999 | -999 | -999 | 30 | 40 | 0.31 | 0.46 | 0.87 | 0.05 | 19.05 | 63.1 | -1111 | 0.91 | 4.4 | 6.04 | 0.23 | 1.9 |
| D | BWS106 | AD12044736 | 4/04/2012 | 0.0113 | 0.00137 | 0.00039 | 10.65 | 2.09 | 0.02 | 103 | -999 | -999 | -999 | 90 | 40 | 0.5 | 0.97 | 0.83 | 0.02 | 21.1 | 63.7 | -1111 | 1.27 | 9.9 | 6.97 | 0.3 | 1.4 |
| D | BWS107 | AD12044736 | 4/04/2012 | 0.0661 | 0.0017 | 0.00456 | 5.56 | 3.13 | 0.02 | 17.1 | -999 | -999 | -999 | 90 | 100 | 1.32 | 0.47 | 0.31 | -0.02 | 262 | 67.1 | -1111 | 3.18 | 2.9 | 10.25 | 0.46 | 3.8 |
| D | BWS108 | AD12044736 | 4/04/2012 | 0.0009 | 0.00007 | 0.0001 | 0.79 | 0.23 | 0.03 | 1.5 | -999 | -999 | -999 | 30 | 20 | 0.07 | 0.33 | 0.18 | 0.03 | 8.44 | 0.8 | 109 | 0.16 | 3.5 | 0.73 | 0.07 | 1.5 |
| D | BWS109 | AD12044736 | 4/04/2012 | 0.0009 | 0.00011 | 0.00015 | 0.64 | 0.4 | 0.03 | 1.7 | -999 | -999 | -999 | 20 | 40 | 0.05 | 0.22 | 0.07 | 0.02 | 14 | 0.7 | 78 | 0.24 | 3.1 | 1.58 | 0.08 | 3 |
| D | BWS110 | AD12044736 | 4/04/2012 | 0.0006 | 0.00005 | 0.00006 | 0.48 | 0.13 | 0.07 | 1.5 | -999 | -999 | -999 | 20 | 10 | -0.05 | 0.3 | 0.31 | 0.05 | 2.42 | 0.4 | 29 | 0.14 | 4.1 | 0.39 | 0.07 | 0.8 |
| D | BWS111 | AD12044736 | 4/04/2012 | 0.0012 | 0.00005 | 0.00009 | 0.78 | 0.17 | 0.03 | 1.1 | -999 | -999 | -999 | 20 | 10 | -0.05 | 0.25 | 0.13 | 0.03 | 8.46 | 0.6 | 120 | 0.12 | 4.6 | 0.62 | 0.09 | 1.1 |
| D | BWS112 | AD12044736 | 4/04/2012 | 0.001 | 0.00015 | 0.00011 | 0.67 | 2.08 | 0.01 | 1.2 | -999 | -999 | -999 | 30 | 20 | 0.91 | 0.18 | 0.2 | 0.03 | 42.3 | 0.4 | 50 | 2.22 | 2.5 | 6.03 | 0.16 | 2.4 |
| D | BWS113 | AD12044736 | 4/04/2012 | 0.0007 | 0.0004 | 0.00025 | 1.77 | 4.46 | -0.01 | 3.7 | -999 | -999 | -999 | 30 | 60 | 1.29 | 0.29 | 0.07 | -0.02 | 66.7 | 2.1 | 116 | 5.88 | 1.6 | 18.5 | 0.17 | 3.9 |
| D | BWS114 | AD12044736 | 4/04/2012 | 0.0011 | 0.00087 | 0.00029 | 3.93 | 3.49 | 0.03 | 96.5 | -999 | -999 | -999 | 50 | 70 | 1 | 1.9 | 0.04 | -0.02 | 104.5 | 11.4 | 7210 | 3.9 | 5.1 | 16.95 | 0.22 | 3.2 |
| D | BWS115 | AD12044736 | 4/04/2012 | 0.023 | 0.00884 | 0.00358 | 5.08 | 5.17 | 0.07 | 883 | -999 | -999 | -999 | 330 | 40 | 3.42 | 3.27 | 0.1 | -0.02 | 62.1 | 6.4 | 1350 | 7.98 | 106 | 18.4 | 0.27 | 3.8 |
| D | BWS116 | AD12044736 | 4/04/2012 | 0.0018 | 0.00049 | 0.00018 | 4.61 | 2.07 | 0.03 | 23.2 | -999 | -999 | -999 | 40 | 30 | 0.57 | 0.4 | 0.67 | -0.02 | 48.8 | 41.9 | 6660 | 1.88 | 3.3 | 6.2 | 0.21 | 2.1 |
| D | BWS117 | AD12044736 | 4/04/2012 | 0.0029 | 0.00079 | 0.00035 | 2.79 | 2.63 | 0.01 | 27 | -999 | -999 | -999 | 40 | 70 | 0.79 | 0.63 | 0.31 | -0.02 | 59.9 | 21.7 | 4430 | 2.43 | 3 | 7.51 | 0.21 | 3 |
| D | BWS118 | AD12044736 | 4/04/2012 | 0.0008 | 0.00028 | 0.00032 | 7.68 | 2.03 | 0.01 | 25.4 | -999 | -999 | -999 | 30 | 50 | 0.22 | 0.6 | 0.33 | 0.03 | 14.7 | 56.5 | -1111 | 1.24 | 6.3 | 6.71 | 0.23 | 2.5 |
| D | BWS119 | AD12044736 | 4/04/2012 | -0.0005 | 0.0004 | 0.00052 | 10.15 | 3.83 | 0.05 | 19.2 | -999 | -999 | -999 | 20 | 40 | 0.32 | 0.72 | 0.55 | 0.02 | 12.6 | 60.8 | 9590 | 1.65 | 10.2 | 11.15 | 0.3 | 2.4 |
| D | BWS120 | AD12044736 | 4/04/2012 | 0.0025 | 0.00034 | 0.00134 | 6.13 | 3.69 | 0.02 | 10.1 | -999 | -999 | -999 | 30 | 160 | 0.37 | 1.18 | 0.44 | 0.03 | 13.3 | 35.3 | 6150 | 3.09 | 7.1 | 11 | 0.21 | 6.2 |
| D | BWS121 | AD12044736 | 4/04/2012 | 0.0007 | 0.0004 | 0.00032 | 1.82 | 3.76 | 0.01 | 5.1 | -999 | -999 | -999 | 50 | 20 | 0.9 | 0.31 | 0.04 | -0.02 | 167.5 | 1.7 | 225 | 6.09 | 1.2 | 19.35 | 0.21 | 5.8 |
| D | BWS122 | AD12044736 | 4/04/2012 | 0.0008 | 0.00016 | 0.00021 | 0.98 | 1.61 | 0.03 | 1 | -999 | -999 | -999 | 50 | 10 | 0.78 | 0.11 | 0.04 | -0.02 | 82.3 | 1.2 | 342 | 1.49 | 1.6 | 4.9 | 0.15 | 4.6 |
| D | BWS123 | AD12044736 | 4/04/2012 | 0.0078 | 0.00078 | 0.00063 | 3.7 | 3.51 | 0.03 | 12.1 | -999 | -999 | -999 | 60 | 60 | 1.45 | 0.49 | 0.49 | -0.02 | 172.5 | 32 | 7240 | 4.51 | 3.9 | 11.4 | 0.28 | 3.2 |
| D | BWS124 | AD12044736 | 4/04/2012 | 0.0006 | 0.00006 | 0.00008 | 1.18 | 0.17 | 0.04 | 0.8 | -999 | -999 | -999 | 20 | 10 | 0.06 | 0.24 | 0.07 | 0.03 | 9.87 | 0.8 | 183 | 0.16 | 5.1 | 0.59 | 0.09 | 1.3 |
| D | BWS125 | AD12044736 | 4/04/2012 | 0.0079 | 0.00488 | 0.00139 | 4.94 | 3.69 | 0.03 | 246 | -999 | -999 | -999 | 30 | 50 | 0.88 | 1.85 | 0.04 | -0.02 | 68.9 | 11.5 | 9870 | 2.26 | 103 | 13.5 | 0.28 | 3.1 |
| D | BWS126 | AD12044736 | 4/04/2012 | 0.0651 | 0.0143 | 0.0016 | 7.14 | 0.75 | 0.21 | 696 | -999 | -999 | -999 | 50 | 10 | 1.03 | 4.16 | 0.04 | -0.02 | 49.5 | 1.6 | 841 | 0.52 | 721 | 5.87 | 0.18 | 2.5 |
| D | BWS127 | AD12044736 | 4/04/2012 | 0.0013 | 0.00059 | 0.00032 | 0.82 | 3.28 | 0.01 | 16.3 | -999 | -999 | -999 | 100 | 20 | 1.59 | 0.29 | 0.04 | -0.02 | 82.8 | 0.8 | 100 | 4.19 | 8.5 | 10.65 | 0.19 | 4.2 |
| D | BWS128 | AD12044736 | 4/04/2012 | 0.0027 | 0.00085 | 0.00037 | 3.85 | 3.13 | 0.04 | 51.1 | -999 | -999 | -999 | 50 | 70 | 0.82 | 0.58 | 0.42 | 0.04 | 38.5 | 22.8 | 2180 | 3.93 | 8.8 | 8.15 | 0.18 | 2.3 |
| D | BWS129 | AD12044736 | 4/04/2012 | 0.0037 | 0.00057 | 0.00018 | 4.8 | 1.13 | 0.03 | 21.8 | -999 | -999 | -999 | 50 | 10 | 0.41 | 0.35 | 0.5 | -0.02 | 43.7 | 42.3 | 8400 | 0.77 | 3.3 | 4.22 | 0.18 | 1.8 |
| D | BWS130 | AD12044736 | 4/04/2012 | 0.0029 | 0.00056 | 0.0003 | 3.9 | 2.21 | 0.02 | 13.3 | -999 | -999 | -999 | 60 | 60 | 0.65 | 0.48 | 0.25 | -0.02 | 45.6 | 34.8 | 9170 | 2.17 | 3 | 7.05 | 0.2 | 2.7 |
| D | BWS131 | AD12044736 | 4/04/2012 | 0.0022 | 0.00043 | 0.00039 | 7.48 | 5.34 | 0.23 | 25.2 | -999 | -999 | -999 | 40 | 260 | 0.47 | 0.8 | 0.37 | 0.03 | 17.65 | 27.2 | 4710 | 3.59 | 9.9 | 14.55 | 0.3 | 3.4 |
| D | BWS132 | AD12044736 | 4/04/2012 | 0.0022 | 0.00038 | 0.00024 | 2.98 | 3.63 | 0.02 | 9.4 | -999 | -999 | -999 | 60 | 90 | 0.85 | 0.44 | 0.13 | 0.02 | 59.1 | 18.9 | 6850 | 3.79 | 5.5 | 10.3 | 0.18 | 2.4 |
| D | BWS133 | AD12044736 | 4/04/2012 | 0.0006 | 0.00018 | 0.00025 | 0.77 | 2.69 | -0.01 | 1.3 | -999 | -999 | -999 | 40 | 20 | 1.33 | 0.17 | 0.07 | -0.02 | 107.5 | 1.1 | 230 | 2.57 | 1.7 | 7.33 | 0.21 | 4.2 |
| D | BWS134 | AD12044736 | 4/04/2012 | -0.0005 | 0.00013 | 0.0002 | 0.75 | 1.74 | 0.01 | 0.8 | -999 | -999 | -999 | 50 | 10 | 0.89 | 0.09 | 0.09 | 0.03 | 57.5 | 1.1 | 258 | 1.62 | 4.2 | 5.28 | 0.08 | 4.4 |
| D | BWS135 | AD12044736 | 4/04/2012 | 0.0196 | 0.00113 | 0.00142 | 3.82 | 3.42 | 0.01 | 6.6 | -999 | -999 | -999 | 100 | 80 | 1.32 | 0.31 | 0.39 | -0.02 | 164 | 26.8 | -1111 | 3.02 | 2.7 | 11.15 | 0.17 | 3.8 |
| D | BWS136 | AD12044736 | 4/04/2012 | 0.0011 | 0.00064 | 0.00028 | 3.34 | 2.85 | 0.01 | 8.4 | -999 | -999 | -999 | 20 | 20 | 0.49 | 1.34 | 0.04 | -0.02 | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|-----------|---------|---------|---------|------|------|-------|-------|----------|----------|----------|-----|-----|-------|------|------|-------|-------|------|-------|------|------|-------|-------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | BWS146 | AD12044736 | 4/04/2012 | 0.0005 | 0.00021 | 0.00018 | 1.19 | 2.5 | 0.01 | 1.7 | -999 | -999 | -999 | 60 | 20 | 1.07 | 0.15 | 0.07 | 0.04 | 63.1 | 0.5 | 37 | 3.06 | 2.4 | 6.91 | 0.08 | 2.5 |
| D | BWS147 | AD12044736 | 4/04/2012 | 0.0007 | 0.00015 | 0.00014 | 0.92 | 0.22 | 0.03 | 1.2 | -999 | -999 | -999 | 10 | 10 | 0.05 | 0.18 | 0.05 | 0.02 | 9.38 | 0.6 | 70 | 0.16 | 2.4 | 1.02 | -0.05 | 2.2 |
| D | BWS148 | AD12044736 | 4/04/2012 | 0.0007 | 0.0003 | 0.0002 | 1.37 | 0.49 | 0.03 | 1.7 | -999 | -999 | -999 | 20 | 10 | 0.06 | 0.33 | 0.03 | 0.02 | 10.4 | 0.7 | 95 | 0.23 | 2.5 | 2.11 | -0.05 | 2.3 |
| D | BWS149 | AD12044736 | 4/04/2012 | 0.0007 | 0.00039 | 0.00034 | 2.33 | 4.86 | 0.01 | 5.9 | -999 | -999 | -999 | 50 | 70 | 0.88 | 0.31 | 0.08 | -0.02 | 95.7 | 3.1 | 149 | 5 | 8.6 | 15.95 | 0.13 | 3 |
| D | BWS150 | AD12044736 | 4/04/2012 | 0.0023 | 0.00032 | 0.00045 | 1.37 | 3.55 | -0.01 | 4.2 | -999 | -999 | -999 | 90 | 60 | 1.12 | 0.2 | 0.1 | -0.02 | 112.5 | 3 | 385 | 6.05 | 2.9 | 10.85 | 0.13 | 3 |
| D | BWS151 | AD12044736 | 4/04/2012 | 0.0019 | 0.00128 | 0.00059 | 3.57 | 3.59 | 0.03 | 60.6 | -999 | -999 | -999 | 70 | 20 | 0.64 | 1.05 | 0.13 | -0.02 | 86.7 | 9.9 | 5380 | 3.79 | 20.4 | 10.8 | 0.12 | 2.4 |
| D | BWS152 | AD12044736 | 4/04/2012 | 0.0162 | 0.0105 | 0.00092 | 8.33 | 4.74 | 0.03 | 118.5 | -999 | -999 | -999 | 80 | 50 | 0.87 | 11.8 | 0.08 | -0.02 | 117.5 | 7.4 | 2620 | 4.22 | 56.5 | 14.2 | 0.22 | 3.1 |
| D | BWS154 | AD12044736 | 4/04/2012 | 0.0028 | 0.00054 | 0.0002 | 1.59 | 3.09 | 0.01 | 8.1 | -999 | -999 | -999 | 70 | 50 | 1.13 | 0.24 | 0.23 | -0.02 | 83.4 | 11.4 | 1270 | 5.22 | 4.5 | 8.82 | 0.11 | 2.4 |
| D | BWS155 | AD12044736 | 4/04/2012 | 0.0877 | 0.00144 | 0.00697 | 5.42 | 3.51 | 0.02 | 47 | -999 | -999 | -999 | 60 | 90 | 1.73 | 1.06 | 0.38 | 0.12 | 223 | 110 | -1111 | 6.47 | 7 | 11.55 | 0.25 | 2.5 |
| D | BWS156 | AD12044736 | 4/04/2012 | 0.0047 | 0.00061 | 0.00071 | 2.99 | 4.36 | 0.02 | 9.7 | -999 | -999 | -999 | 70 | 130 | 2.45 | 0.41 | 0.33 | 0.1 | 140 | 32.5 | 3150 | 6.8 | 3 | 13.05 | 0.17 | 2.7 |
| D | BWS157 | AD12044736 | 4/04/2012 | 0.0068 | 0.00108 | 0.00071 | 5.52 | 7.38 | -0.01 | 40.6 | -999 | -999 | -999 | 20 | 30 | 0.85 | 1.33 | 0.04 | 0.05 | 62.1 | 7.4 | 916 | 2.76 | 7.5 | 20.8 | 0.15 | 4.6 |
| D | BWS158 | AD12044736 | 4/04/2012 | 0.001 | 0.00008 | 0.00005 | 1.03 | 0.15 | 0.03 | 1.8 | -999 | -999 | -999 | 20 | 10 | 0.08 | 0.2 | 0.15 | 0.06 | 5.75 | 0.8 | 86 | 0.17 | 7.4 | 0.58 | 0.05 | 0.8 |
| D | BWS159 | AD12044736 | 4/04/2012 | -0.0005 | 0.0001 | 0.00013 | 0.59 | 0.14 | 0.01 | 2 | -999 | -999 | -999 | 10 | 10 | 0.05 | 0.24 | 0.04 | 0.03 | 3.2 | 0.4 | 38 | 0.13 | 3.2 | 0.51 | -0.05 | 1.5 |
| D | BWS160 | AD12044736 | 4/04/2012 | -0.0005 | 0.00023 | 0.00024 | 2.61 | 0.19 | 0.02 | 1.5 | -999 | -999 | -999 | 20 | 10 | 0.05 | 0.21 | 0.1 | 0.05 | 6.15 | 0.9 | 84 | 0.13 | 5 | 0.94 | 0.08 | 1.7 |
| D | BWS161 | AD12044736 | 4/04/2012 | 0.0019 | 0.00049 | 0.00035 | 7.7 | 6.13 | 0.02 | 9.6 | -999 | -999 | -999 | 50 | 30 | 0.53 | 0.46 | 0.41 | -0.02 | 25.4 | 28.1 | 1430 | 3.16 | 14.3 | 12.7 | 0.32 | 1.2 |
| D | BWS162 | AD12044736 | 4/04/2012 | 0.0012 | 0.00034 | 0.00024 | 4.61 | 2.92 | 0.03 | 9.2 | -999 | -999 | -999 | 50 | 40 | 0.63 | 0.24 | 0.32 | -0.02 | 85.6 | 28.6 | 1860 | 3.02 | 5.5 | 7.62 | 0.11 | 2.1 |
| D | BWS163 | AD12044736 | 4/04/2012 | 0.0022 | 0.00086 | 0.00044 | 2.32 | 3.43 | 0.02 | 3.8 | -999 | -999 | -999 | 160 | 60 | 0.92 | 0.16 | 0.19 | -0.02 | 124.5 | 9.9 | 721 | 4.78 | 2.6 | 11.1 | 0.12 | 2.8 |
| D | BWS164 | AD12044736 | 4/04/2012 | 0.0028 | 0.00074 | 0.00045 | 2.21 | 3.56 | 0.02 | 4.3 | -999 | -999 | -999 | 150 | 60 | 0.86 | 0.17 | 0.16 | -0.02 | 130 | 9.2 | 671 | 5.61 | 2 | 11.7 | 0.12 | 3.1 |
| D | BWS165 | AD12044736 | 4/04/2012 | 0.0006 | 0.00025 | 0.00015 | 1.08 | 2.39 | 0.04 | 0.8 | -999 | -999 | -999 | 70 | 70 | 1.26 | 0.08 | 0.16 | -0.02 | 115.5 | 9 | 1340 | 4.01 | 1.6 | 6.21 | 0.11 | 1.6 |
| D | BWS166 | AD12044736 | 4/04/2012 | 0.0156 | 0.00069 | 0.00103 | 4 | 3.95 | 0.02 | 28.5 | -999 | -999 | -999 | 50 | 130 | 1.84 | 0.4 | 0.19 | 0.02 | 152 | 90.5 | -1111 | 5.86 | 5.5 | 11.1 | 0.17 | 1.8 |
| D | BWS167 | AD12044736 | 4/04/2012 | 0.0431 | 0.00146 | 0.0028 | 4.27 | 3.9 | 0.02 | 10.6 | -999 | -999 | -999 | 70 | 90 | 1.74 | 1.04 | 0.52 | -0.02 | 231 | 62.6 | -1111 | 5.49 | 5.9 | 12.4 | 0.23 | 2.7 |
| D | BWS168 | AD12044736 | 4/04/2012 | 0.0142 | 0.00066 | 0.00305 | 1.71 | 3.71 | 0.01 | 2.7 | -999 | -999 | -999 | 100 | 120 | 2.7 | 0.19 | 0.23 | -0.02 | 235 | 24.8 | -1111 | 4.75 | 1.3 | 11.4 | 0.18 | 2.9 |
| D | BWS169 | AD12044736 | 4/04/2012 | 0.0074 | 0.00061 | 0.00091 | 2.53 | 3.98 | -0.01 | 5.9 | -999 | -999 | -999 | 100 | 100 | 2.02 | 0.32 | 0.21 | -0.02 | 173.5 | 16.1 | 3740 | 6.3 | 1.3 | 12.25 | 0.16 | 3.4 |
| D | BWS170 | AD12044736 | 4/04/2012 | 0.0005 | 0.00008 | 0.00011 | 2.13 | 0.17 | 0.02 | 1.4 | -999 | -999 | -999 | 20 | 10 | 0.09 | 0.1 | 0.09 | -0.02 | 6.07 | 0.9 | 90 | 0.15 | 4.1 | 0.86 | -0.05 | 1.9 |
| D | BWS171 | AD12044736 | 4/04/2012 | 0.0015 | 0.00141 | 0.0009 | 5.47 | 7.55 | 0.04 | 20.2 | -999 | -999 | -999 | 10 | 210 | 1.13 | 1.33 | 0.12 | 0.03 | 100.5 | 3.5 | 135 | 2.8 | 10.4 | 21 | 0.42 | 5.2 |
| D | BWS172 | AD12044736 | 4/04/2012 | 0.0014 | 0.00179 | 0.00049 | 2.54 | 4.98 | 0.04 | 15.4 | -999 | -999 | -999 | 20 | 360 | 0.62 | 1.39 | 0.68 | -0.02 | 31.3 | 2.4 | 74 | 4.88 | 5.7 | 12.75 | 0.1 | 5.3 |
| D | BWS173 | AD12044736 | 4/04/2012 | 0.001 | 0.00074 | 0.00083 | 4.98 | 6.49 | 0.04 | 13.8 | -999 | -999 | -999 | 10 | 280 | 1.59 | 0.82 | 0.25 | 0.03 | 102 | 4.3 | 120 | 4.77 | 9.6 | 17.65 | 0.29 | 4.5 |
| D | BWS174 | AD12044736 | 4/04/2012 | 0.0007 | 0.00006 | 0.00008 | 0.89 | 0.13 | 0.03 | 0.9 | -999 | -999 | -999 | 20 | 10 | -0.05 | 0.11 | 0.22 | 0.03 | 5.22 | 0.5 | 53 | 0.16 | 5 | 0.53 | -0.05 | 0.6 |
| D | BWS175 | AD12044736 | 4/04/2012 | 0.0009 | 0.00006 | 0.00008 | 0.81 | 0.18 | 0.04 | 1.5 | -999 | -999 | -999 | 20 | 10 | 0.06 | 0.17 | 0.22 | 0.04 | 6.75 | 0.5 | 45 | 0.2 | 6 | 0.61 | -0.05 | 0.5 |
| D | BWS176 | AD12044736 | 4/04/2012 | 0.0006 | 0.00009 | 0.00014 | 1.45 | 0.13 | 0.07 | 1.7 | -999 | -999 | -999 | 20 | 20 | 0.06 | 0.15 | 0.47 | 0.05 | 5.66 | 0.6 | 27 | 0.15 | 4.3 | 0.52 | -0.05 | 0.5 |
| D | BWS177 | AD12044736 | 4/04/2012 | 0.0021 | 0.00179 | 0.00449 | 3.68 | 1.67 | 0.03 | 7.4 | -999 | -999 | -999 | 20 | 40 | 0.14 | 2.75 | 0.08 | 0.02 | 38.7 | 1.2 | 116 | 0.95 | 6.1 | 8.19 | 0.09 | 1.7 |
| D | BWS178 | AD12044736 | 4/04/2012 | 0.0031 | 0.00283 | 0.00386 | 4.78 | 3.68 | 0.02 | 17.1 | -999 | -999 | -999 | 30 | 70 | 0.29 | 2.62 | 0.07 | -0.02 | 54 | 1.3 | 167 | 1.65 | 10.7 | 14.2 | 0.13 | 2.3 |
| D | BWS179 | AD12044736 | 4/04/2012 | 0.0019 | 0.00254 | 0.00459 | 5.07 | 3.7 | 0.02 | 20.6 | -999 | -999 | -999 | 10 | 60 | 0.42 | 2.15 | 0.06 | -0.02 | 56.6 | 1.7 | 198 | 1.5 | 11.3 | 13.4 | 0.14 | 2.6 |
| D | BWS180 | AD12044736 | 4/04/2012 | 0.0007 | 0.00009 | 0.00015 | 1.44 | 0.16 | 0.03 | 1.7 | -999 | -999 | -999 | 20 | 20 | 0.06 | 0.25 | 0.27 | 0.04 | 4.15 | 0.6 | 58 | 0.24 | 11.9 | 0.62 | -0.05 | 0.6 |
| D | BWS181 | AD12044736 | 4/04/2012 | 0.0008 | 0.00019 | 0.00016 | 0.51 | 0.83 | 0.02 | 1.1 | -999 | -999 | -999 | 10 | 20 | 0.19 | 0.26 | 0.06 | 0.02 | 14.85 | 0.4 | 62 | 0.25 | 3.7 | 2.32 | 0.05 | 2.9 |
| D | BWS182 | AD12044736 | 4/04/2012 | 0.001 | 0.00044 | 0.00035 | 0.92 | 2.4 | 0.01 | 1.2 | -999 | -999 | -999 | 130 | 40 | 0.89 | 0.11 | 0.05 | 0.02 | 99.8 | 1.6 | 103 | 4.04 | 1.7 | 8.15 | 0.12 | 4.5 |
| D | BWS183 | AD12044736 | 4/04/2012 | 0.0017 | 0.00048 | 0.0004 | 2.23 | 4.26 | 0.02 | 8.8 | -999 | -999 | -999 | 100 | 90 | 0.97 | 0.2 | 0.13 | -0.02 | 111.5 | 9.8 | 670 | 6.44 | 3.1 | 13.3 | 0.16 | 2.9 |
| D | BWS184 | AD12044736 | 4/04/2012 | 0.0021 | 0.00052 | 0.00052 | 1.24 | 3.94 | 0.01 | 5 | -999 | -999 | -999 | 120 | 90 | 1.15 | 0.15 | 0.08 | -0.02 | 169.5 | 5.4 | 687 | 6.89 | 2.1 | 13.35 | 0.18 | 4.1 |
| D | BWS185 | AD12044736 | 4/04/2012 | 0.0009 | 0.00047 | 0.00033 | 0.99 | 4.06 | 0.04 | 2.9 | -999 | -999 | -999 | 110 | 90 | 1.4 | 0.11 | 0.07 | -0.02 | 124 | 5.7 | 814 | 6.9 | 3.4 | 12.65 | 0.14 | 2.9 |
| D | BWS186 | AD12044736 | 4/04/2012 | 0.0234 | 0.00042 | 0.00116 | 1.71 | 2.75 | 0.01 | 3.2 | -999 | -999 | -999 | 100 | 80 | 1.28 | 0.17 | 0.15 | -0.02 | 310 | 32.4 | -1111 | 3.11 | 1.3 | 9.19 | 0.25 | 2.8 |
| D | BWS187 | AD12044736 | 4/04/2012 | 0.0236 | 0.00048 | 0.00219 | 1.98 | 3.55 | 0.02 | 2.1 | -999 | -999 | -999 | 120 | 120 | 1.98 | 0.16 | 0.21 | -0.02 | 461 | 36.8 | -1111 | 4.45 | 1.2 | 13.35 | 0.33 | 5.6 |
| D | BWS188 | AD12044736 | 4/04/2012 | 0.0009 | 0.0007 | 0.00055 | 4.04 | 6.14 | 0.02 | 20.9 | -999 | -999 | -999 | 10 | 100 | 1.03 | 0.97 | 0.05 | 0.05 | 94.6 | 2.8 | 182 | 1.78 | 11.6 | 17.8 | 0.15 | 4.6 |
| D | BWS189 | AD12044736 | 4/04/2012 | 0.0037 | 0.00073 | 0.00063 | 3.11 | 4.52 | 0.04 | 9.7 | -999 | -999 | -999 | 110 | 120 | 2.71 | 0.51 | 0.19 | 0.04 | 124 | 34.4 | 2120 | 7.88 | 3.6 | 13.85 | 0.15 | 2.7 |
| D | BWS190 | AD12044736 | 4/04/2012 | 0.0046 | 0.00068 | 0.00053 | 0.61 | 3.5 | 0.01 | 4.8 | -999 | -999 | -999 | 120 | 100 | 1.36 | 0.15 | 0.03 | -0.02 | 185.5 | 0.8 | 53 | 6.23 | 3.9 | 11.95 | 0.17 | 4.6 |
| D | BWS191 | AD12044736 | 4/04/2012 | 0.0024 | 0.00053 | 0.00164 | 0.9 | 3.42 | 0.01 | 5 | -999 | -999 | -999 | 120 | 90 | 1.13 | 0.1 | 0.04 | 0.02 | 201 | 1.6 | 59 | 4.76 | 4 | 12.6 | 0.15 | 4.7 |
| D | BWS192 | AD12044736 | 4/04/2012 | 0.0015 | 0.00036 | 0.00034 | 0.87 | 2.32 | -0.01 | 2.5 | -999 | -999 | -999 | 120 | 70 | 1.02 | 0.12 | 0.07 | -0.02 | 190.5 | 4.5 | 35 | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF % | Sn_MS % | WO3 % | Fe % | Al % | Ag ppm | As ppm | Au_FAppm ppm | Pt_FAppm ppm | Pd_FAppm ppm | B ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cs ppm | Cu ppm | Ga ppm | Ge ppm | Hf ppm |
|-------|--------|------------|-----------|-------------|------------|----------|---------|---------|-----------|-----------|-----------------|-----------------|-----------------|----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| D | BWS209 | AD12044736 | 4/04/2012 | 0.0089 | 0.00061 | 0.00101 | 2.65 | 4.13 | 0.01 | 7.5 | -999 | -999 | -999 | 140 | 90 | 2.2 | 0.28 | 0.26 | 0.03 | 195.5 | 26.7 | 4870 | 6.37 | 1.4 | 12.35 | 0.2 | 3 |
| D | BWS210 | AD12044736 | 4/04/2012 | 0.0116 | 0.00083 | 0.00149 | 2.15 | 4.97 | 0.03 | 5.4 | -999 | -999 | -999 | 120 | 110 | 2.42 | 0.35 | 0.34 | -0.02 | 249 | 13.7 | 2700 | 8.11 | 2.5 | 16.8 | 0.24 | 6.2 |
| D | BWS211 | AD12044736 | 4/04/2012 | 0.0012 | 0.00006 | 0.0002 | 0.86 | 0.14 | 0.03 | 1.3 | -999 | -999 | -999 | 20 | 10 | 0.06 | 0.13 | 0.1 | -0.02 | 7.28 | 0.8 | 98 | 0.16 | 2.8 | 0.54 | 0.07 | 0.8 |
| D | BWS212 | AD12044736 | 4/04/2012 | -0.0005 | 0.00033 | 0.0002 | 2.35 | 2.43 | 0.02 | 7.8 | -999 | -999 | -999 | 10 | 30 | 0.25 | 0.34 | 0.09 | 0.02 | 34.1 | 1.4 | 107 | 0.68 | 4.4 | 8.08 | 0.1 | 3.2 |
| D | BWS213 | AD12044736 | 4/04/2012 | 0.0005 | 0.00005 | 0.00038 | 0.77 | 0.11 | 0.02 | 1.4 | -999 | -999 | -999 | 20 | 10 | 0.06 | 0.17 | 0.08 | 0.03 | 6.34 | 0.8 | 62 | 0.16 | 2.4 | 0.45 | 0.07 | 0.6 |
| D | BWS214 | AD12044736 | 4/04/2012 | -0.0005 | 0.00004 | 0.00005 | 0.63 | 0.11 | 0.02 | 0.8 | -999 | -999 | -999 | 20 | 10 | 0.07 | 0.12 | 0.06 | 0.02 | 6.5 | 0.6 | 78 | 0.11 | 1.8 | 0.42 | 0.05 | 0.7 |
| D | BWS215 | AD12044736 | 4/04/2012 | 0.0055 | 0.00052 | 0.00111 | 3.05 | 3.32 | 0.03 | 2.3 | -999 | -999 | -999 | 150 | 80 | 1.76 | 0.16 | 0.32 | 0.04 | 242 | 17.5 | 5020 | 3.67 | 3 | 10.4 | 0.25 | 5.3 |
| D | BWS216 | AD12044736 | 4/04/2012 | 0.0007 | 0.00036 | 0.00049 | 0.84 | 3.29 | 0.02 | 1.2 | -999 | -999 | -999 | 110 | 50 | 1.28 | 0.12 | 0.04 | 0.02 | 178.5 | 0.7 | 72 | 6.64 | 1.2 | 12.3 | 0.18 | 4.4 |
| D | BWS218 | AD12044736 | 4/04/2012 | 0.0018 | 0.00027 | 0.00091 | 5.08 | 2.04 | 0.04 | 5.5 | -999 | -999 | -999 | 30 | 40 | 0.35 | 0.14 | 1.86 | 0.02 | 58.6 | 54.8 | 6040 | 1.63 | 2.9 | 5.57 | 0.14 | 0.9 |
| D | BWS219 | AD12044736 | 4/04/2012 | 0.0024 | 0.00019 | 0.00087 | 6.63 | 1.82 | 0.02 | 14.3 | -999 | -999 | -999 | 50 | 30 | 0.53 | 0.12 | 1.67 | 0.02 | 74.3 | 61.4 | 7650 | 1.44 | 0.9 | 4.9 | 0.16 | 1 |
| D | BWS220 | AD12044736 | 4/04/2012 | 0.0046 | 0.00207 | 0.00079 | 4.55 | 2.42 | 0.01 | 62.7 | -999 | -999 | -999 | 70 | 60 | 0.78 | 0.71 | 1.6 | -0.02 | 117.5 | 55.6 | -1111 | 2.32 | 9.6 | 7.42 | 0.15 | 1.5 |
| D | BWS221 | AD12044736 | 4/04/2012 | 0.0055 | 0.00046 | 0.00026 | 1.02 | 4.36 | 0.01 | 2.6 | -999 | -999 | -999 | 90 | 160 | 1.59 | 0.15 | 0.11 | 0.04 | 123 | 1.4 | 155 | 5.42 | 1.7 | 12.05 | 0.14 | 2.1 |
| D | BWS222 | AD12044736 | 4/04/2012 | 0.0009 | 0.00012 | 0.0002 | 2.01 | 0.15 | 0.04 | 1.4 | -999 | -999 | -999 | 10 | 10 | 0.07 | 0.14 | 0.3 | 0.02 | 8.05 | 1.1 | 90 | 0.24 | 6.1 | 0.73 | -0.05 | 0.7 |
| D | BWS223 | AD12044736 | 4/04/2012 | 0.0007 | 0.00004 | 0.00005 | 0.79 | 0.1 | 0.03 | 1.1 | -999 | -999 | -999 | 10 | 10 | 0.07 | 0.07 | 0.05 | 0.03 | 8.02 | 0.6 | 68 | 0.13 | 3.6 | 0.39 | 0.05 | 1.1 |
| D | BWS224 | AD12044736 | 4/04/2012 | -0.0005 | 0.00005 | 0.00011 | 0.61 | 0.11 | 0.03 | 0.8 | -999 | -999 | -999 | 20 | 10 | 0.06 | 0.08 | 0.08 | 0.02 | 7.51 | 0.6 | 70 | 0.1 | 3.7 | 0.37 | 0.05 | 0.8 |
| D | BWS225 | AD12044736 | 4/04/2012 | 0.0009 | 0.00066 | 0.0002 | 0.89 | 0.45 | 0.02 | 2.7 | -999 | -999 | -999 | 20 | 10 | 0.07 | 0.23 | 0.12 | 0.04 | 12.4 | 0.6 | 45 | 0.17 | 3.9 | 1.46 | 0.06 | 2.3 |
| D | BWS226 | AD12044736 | 4/04/2012 | 0.0007 | 0.00026 | 0.0002 | 1.52 | 1.96 | 0.02 | 2.5 | -999 | -999 | -999 | 20 | 20 | 0.17 | 0.23 | 0.05 | -0.02 | 17.15 | 0.8 | 75 | 0.52 | 4.7 | 5.26 | 0.06 | 3.1 |
| D | BWS227 | AD12044736 | 4/04/2012 | 0.0014 | 0.00068 | 0.00019 | 3.45 | 2.18 | 0.04 | 10.1 | -999 | -999 | -999 | 20 | 30 | 0.3 | 0.51 | 0.24 | -0.02 | 36.9 | 2.1 | 127 | 0.63 | 5 | 7.71 | 0.14 | 3.4 |
| D | BWS228 | AD12044736 | 4/04/2012 | 0.001 | 0.00005 | 0.00011 | 0.74 | 0.16 | 0.03 | 1.5 | -999 | -999 | -999 | 10 | 10 | 0.05 | 0.17 | 0.15 | 0.04 | 5.83 | 0.5 | 37 | 0.14 | 5.2 | 0.52 | 0.07 | 0.8 |
| D | BWS229 | AD12044736 | 4/04/2012 | -0.0005 | 0.00042 | 0.00034 | 5.21 | 6.52 | 0.03 | 9 | -999 | -999 | -999 | 10 | 110 | 1.17 | 0.5 | 0.02 | 0.07 | 27 | 3 | 80 | 2.03 | 21 | 18.65 | 0.23 | 3.9 |
| D | BWS230 | AD12044736 | 4/04/2012 | 0.0009 | 0.00015 | 0.00024 | 0.67 | 1.02 | 0.03 | 1.6 | -999 | -999 | -999 | 20 | 20 | 0.11 | 0.17 | 0.05 | 0.03 | 12.05 | 0.5 | 38 | 0.35 | 3.2 | 2.91 | 0.07 | 3.8 |
| D | BWS231 | AD12044736 | 4/04/2012 | -0.0005 | 0.00021 | 0.00018 | 1.07 | 1.54 | 0.03 | 2.5 | -999 | -999 | -999 | 20 | 50 | 0.2 | 0.23 | 0.12 | 0.03 | 22.4 | 0.8 | 51 | 1.23 | 3.5 | 5.05 | 0.05 | 2.8 |
| D | BWS232 | AD12044736 | 4/04/2012 | 0.001 | 0.00008 | 0.00023 | 1.11 | 0.16 | 0.04 | 1.1 | -999 | -999 | -999 | 20 | 10 | -0.05 | 0.13 | 0.06 | 0.03 | 12.25 | 0.7 | 29 | 0.15 | 3.6 | 0.66 | 0.08 | 1.7 |
| D | BWS233 | AD12044736 | 4/04/2012 | -0.0005 | 0.00012 | 0.00009 | 0.46 | 0.27 | 0.02 | 1 | -999 | -999 | -999 | 20 | 10 | 0.07 | 0.14 | 0.04 | -0.02 | 18 | 0.5 | 36 | 0.24 | 1.7 | 1.23 | 0.06 | 2.4 |
| D | BWS234 | AD12044736 | 4/04/2012 | -0.0005 | 0.00021 | 0.00054 | 0.78 | 3.78 | 0.01 | 2 | -999 | -999 | -999 | 120 | 50 | 1.65 | 0.17 | 0.03 | -0.02 | 60.3 | 0.7 | 18 | 7.07 | 1.2 | 13.05 | 0.07 | 2.8 |
| D | BWS235 | AD12044736 | 4/04/2012 | 0.004 | 0.00021 | 0.0015 | 4.87 | 2.73 | 0.01 | 6.4 | -999 | -999 | -999 | 100 | 60 | 0.77 | 0.1 | 0.85 | 0.03 | 97.9 | 52.3 | 9320 | 2.22 | 1.9 | 7.72 | 0.15 | 1.3 |
| D | BWS236 | AD12044736 | 4/04/2012 | -0.0005 | 0.00019 | 0.00011 | 5.06 | 1.31 | 0.02 | 1.2 | -999 | -999 | -999 | 40 | 10 | 0.11 | 0.09 | 1.56 | -0.02 | 13.15 | 53.9 | 5000 | 0.62 | 1 | 3.3 | 0.1 | 0.3 |
| D | BWS237 | AD12044736 | 4/04/2012 | -0.0005 | 0.00015 | 0.00038 | 6.22 | 1.28 | 0.03 | 5.4 | -999 | -999 | -999 | 40 | 10 | 0.3 | 0.22 | 1.37 | 0.03 | 16.2 | 56.4 | 5900 | 0.59 | 2 | 3.57 | 0.12 | 0.5 |
| D | BWS238 | AD12044736 | 4/04/2012 | 0.0006 | 0.00018 | 0.0002 | 6.51 | 1.72 | 0.02 | 8.5 | -999 | -999 | -999 | 60 | 20 | 0.51 | 0.31 | 0.98 | 0.03 | 21 | 57.6 | 4430 | 1.21 | 1.6 | 3.98 | 0.11 | 0.4 |
| D | BWS239 | AD12044736 | 4/04/2012 | 0.0036 | 0.00034 | 0.00033 | 0.84 | 4.23 | -0.01 | 2 | -999 | -999 | -999 | 130 | 140 | 1.94 | 0.09 | 0.12 | -0.02 | 255 | 1.4 | 77 | 6.04 | 1 | 12.65 | 0.21 | 3.1 |
| D | BWS240 | AD12044736 | 4/04/2012 | 0.0516 | 0.00063 | 0.00029 | 0.84 | 1.07 | -0.01 | 0.8 | -999 | -999 | -999 | 150 | 40 | 0.84 | 0.12 | 0.04 | 0.08 | 258 | 1.2 | 312 | 1.09 | 1.4 | 3.96 | 0.18 | 2.3 |
| D | BWS241 | AD12044736 | 4/04/2012 | 0.0013 | 0.00012 | 0.00006 | 0.71 | 0.2 | 0.05 | 2.2 | -999 | -999 | -999 | 20 | 10 | 0.07 | 0.12 | 0.23 | 0.06 | 14.8 | 0.6 | 48 | 0.18 | 6.7 | 0.67 | 0.05 | 0.7 |
| D | BWS242 | AD12044736 | 4/04/2012 | 0.001 | 0.00042 | 0.00021 | 0.88 | 1.37 | 0.02 | 2.8 | -999 | -999 | -999 | 20 | 30 | 0.3 | 0.33 | 0.03 | 0.03 | 11.2 | 0.6 | 79 | 0.87 | 2.5 | 4.93 | -0.05 | 2.8 |
| D | BWS243 | AD12044736 | 4/04/2012 | 0.0012 | 0.00019 | 0.00018 | 1.14 | 0.35 | 0.01 | 0.8 | -999 | -999 | -999 | 20 | 10 | 0.09 | 0.15 | 0.05 | -0.02 | 12.25 | 0.7 | 88 | 0.19 | 2.4 | 1.81 | 0.07 | 2.2 |
| D | BWS244 | AD12044736 | 4/04/2012 | 0.0015 | 0.00011 | 0.0001 | 2.07 | 0.14 | 0.03 | 1.2 | -999 | -999 | -999 | 20 | 10 | 0.08 | 0.12 | 0.04 | -0.02 | 9.24 | 0.9 | 80 | 0.14 | 3.5 | 0.83 | 0.06 | 2.3 |
| D | BWS245 | AD12044736 | 4/04/2012 | 0.003 | 0.00027 | 0.00026 | 7.45 | 2.31 | 0.02 | 11.4 | -999 | -999 | -999 | 70 | 20 | 0.36 | 0.83 | 0.84 | 0.02 | 69.4 | 53.3 | 3920 | 1.2 | 2.7 | 5.79 | 0.16 | 1.2 |
| D | BWS246 | AD12044736 | 4/04/2012 | 0.0058 | 0.00025 | 0.00039 | 7.64 | 1.05 | 0.02 | 10.8 | -999 | -999 | -999 | 30 | -10 | 0.4 | 0.74 | 0.69 | -0.02 | 21.2 | 64.4 | 5540 | 0.36 | 2.2 | 3.52 | 0.13 | 0.8 |
| D | BWS247 | AD12044736 | 4/04/2012 | -0.0005 | 0.00017 | 0.00071 | 6.63 | 1.61 | 0.02 | 14.7 | -999 | -999 | -999 | 70 | 10 | 0.54 | 0.26 | 0.43 | -0.02 | 45.7 | 58.4 | 3150 | 0.6 | 3.2 | 4.41 | 0.14 | 1 |
| D | BWS248 | AD12044736 | 4/04/2012 | 0.0157 | 0.00147 | 0.00092 | 3.32 | 1.55 | 0.01 | 7.2 | -999 | -999 | -999 | 100 | 30 | 0.96 | 0.47 | 0.25 | -0.02 | 175 | 28.8 | 4160 | 1.11 | 2.5 | 5.23 | 0.17 | 3.1 |
| D | BWS250 | AD12044736 | 4/04/2012 | 0.0251 | 0.00241 | 0.00134 | 1.53 | 1.67 | -0.01 | 3 | -999 | -999 | -999 | 120 | 50 | 1.09 | 0.64 | 0.15 | -0.02 | 220 | 13.7 | 5090 | 1.53 | 2.3 | 6.12 | 0.18 | 5.1 |
| D | BWS251 | AD12044736 | 4/04/2012 | 0.0124 | 0.00023 | 0.00016 | 0.62 | 0.18 | 0.02 | 0.9 | -999 | -999 | -999 | 90 | 10 | 0.57 | 0.13 | 0.04 | -0.02 | 94.1 | 0.9 | 265 | 0.21 | 1.4 | 1.13 | 0.1 | 1.9 |
| D | BWS252 | AD12044736 | 4/04/2012 | 0.0399 | 0.00033 | 0.00019 | 0.69 | 0.18 | -0.01 | 0.7 | -999 | -999 | -999 | 60 | 10 | 0.32 | 0.11 | 0.02 | 0.08 | 59.7 | 1.2 | 576 | 0.26 | 1 | 0.91 | 0.07 | 1.4 |
| D | BWS253 | AD12044736 | 4/04/2012 | 0.0018 | 0.00037 | 0.00028 | 0.83 | 3.43 | -0.01 | 6 | -999 | -999 | -999 | 30 | 30 | 0.27 | 0.5 | 0.04 | 0.02 | 36.6 | 1.2 | 138 | 0.59 | 3.1 | 10.9 | 0.05 | 6.6 |
| D | BWS254 | AD12044736 | 4/04/2012 | 0.0011 | 0.00031 | 0.00029 | 0.4 | 1.52 | -0.01 | 1.8 | -999 | -999 | -999 | 20 | 130 | 0.18 | 0.28 | 0.03 | -0.02 | 13.4 | 0.5 | 68 | 1.56 | 3.5 | 5.35 | 0.05 | 5.4 |
| D | BWS255 | AD12044736 | 4/04/2012 | 0.0022 | 0.00038 | 0.00021 | 0.56 | 0.97 | 0.02 | 1 | -999 | -999 | -999 | 30 | 50 | 0.17 | 0.16 | 0.03 | -0.02 | 17.5 | 0.4 | 88 | 0.83 | 3 | 3.47 | -0.05 | 3.6 |
| D | BWS256 | AD12044736 | 4/04/2012 | 0.0017 | 0.00026 | 0.00016 | 0.43 | 0.73 | 0.02 | 0.9 | -999 | -999 | -999 | 20 | 30 | 0.19 | 0.15 | 0.03 | -0.02 | 18.85 | 0.4 | 97 | 0.47 | 1.4 | 2.33 | -0.05 | 2.8 |
| D | BWS257 | AD12044736 | 4/04/2012 | 0.0086 | 0.00264 | 0.00261 | 1.03 | 3.72 | 0.01 | 3.9 | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF % | Sn_MS % | WO3 | Fe % | Al % | Ag ppm | As ppm | Au_FAppm ppm | Pt_FAppm ppm | Pd_FAppm ppm | B ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cs ppm | Cu ppm | Ga ppm | Ge ppm | Hf ppm |
|-------|--------|------------|-----------|-------------|------------|---------|---------|---------|-----------|-----------|-----------------|-----------------|-----------------|----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| D | BWS268 | AD12044736 | 4/04/2012 | 0.0019 | 0.00015 | 0.00018 | 2.7 | 0.21 | 0.03 | 1.5 | -999 | -999 | -999 | 80 | 20 | 0.64 | 0.1 | 0.08 | -0.02 | 69.1 | 1.1 | 113 | 0.23 | 3.4 | 1.24 | 0.1 | 2.5 |
| D | BWS269 | AD12044736 | 4/04/2012 | 0.005 | 0.00037 | 0.00035 | 2.24 | 4.13 | 0.02 | 2.7 | -999 | -999 | -999 | -10 | 120 | 1.46 | 0.22 | 0.2 | -0.02 | 166.5 | 6.7 | 718 | 4.16 | 1.6 | 12.45 | 0.14 | 3.9 |
| D | BWS270 | AD12044736 | 4/04/2012 | 0.0166 | 0.00024 | 0.00034 | 2.25 | 1.12 | 0.04 | 0.8 | -999 | -999 | -999 | 110 | 20 | 0.71 | 0.12 | 1.29 | 0.03 | 138 | 11.4 | 1340 | 0.54 | 3.2 | 3.87 | 0.14 | 3.7 |
| D | BWS271 | AD12044736 | 4/04/2012 | 0.0087 | 0.00026 | 0.00019 | 1.29 | 0.27 | 0.02 | 1.3 | -999 | -999 | -999 | 100 | 10 | 0.4 | 0.17 | 0.05 | -0.02 | 54.5 | 12.6 | 9250 | 0.18 | 2.8 | 1.58 | 0.1 | 2.6 |
| D | BWS272 | AD12044736 | 4/04/2012 | 0.0064 | 0.00036 | 0.00059 | 1 | 1.25 | 0.08 | 3 | -999 | -999 | -999 | 60 | 220 | 0.43 | 0.28 | 0.2 | 0.03 | 81.8 | 1.9 | 956 | 0.73 | 4.3 | 3.57 | 0.09 | 4.6 |
| D | BWS273 | AD12044736 | 4/04/2012 | 0.0089 | 0.00046 | 0.00058 | 0.52 | 0.14 | 0.04 | 1.2 | -999 | -999 | -999 | 40 | 10 | 0.27 | 0.16 | 0.03 | 0.46 | 56.5 | 0.7 | 268 | 0.19 | 1.6 | 0.75 | 0.09 | 3.9 |
| D | BWS274 | AD12044736 | 4/04/2012 | 0.0142 | 0.00056 | 0.00052 | 1.2 | 0.2 | 0.04 | 1 | -999 | -999 | -999 | 40 | 10 | 0.26 | 0.21 | 0.11 | 0.02 | 36.8 | 1 | 394 | 0.21 | 2.8 | 0.81 | 0.06 | 3.3 |
| D | BWS275 | AD12044736 | 4/04/2012 | 0.0227 | 0.0033 | 0.00248 | 1.82 | 1.55 | 0.06 | 9.1 | -999 | -999 | -999 | 20 | 110 | 0.63 | 0.85 | 0.1 | 0.19 | 69.6 | 4.3 | 1180 | 1.46 | 6 | 4.35 | 0.12 | 6.7 |
| D | BWS276 | AD12044736 | 4/04/2012 | 0.0129 | 0.00297 | 0.00178 | 1.03 | 2.75 | 0.04 | 3.7 | -999 | -999 | -999 | 40 | 160 | 0.72 | 0.5 | 0.08 | 0.02 | 63.2 | 1.1 | 279 | 2.73 | 2.5 | 8.29 | 0.09 | 4 |
| D | BWS277 | AD12044736 | 4/04/2012 | 0.0144 | 0.00152 | 0.00427 | 1.13 | 2.2 | 0.04 | 1.6 | -999 | -999 | -999 | 60 | 140 | 0.75 | 0.28 | 0.09 | 0.02 | 142.5 | 0.9 | 73 | 1.9 | 2.1 | 6.65 | 0.14 | 5.4 |
| D | BWS278 | AD12044736 | 4/04/2012 | 0.0069 | 0.00309 | 0.00198 | 2.95 | 5.95 | 0.03 | 8.2 | -999 | -999 | -999 | 60 | 230 | 1.17 | 1.06 | 0.12 | -0.02 | 100 | 1 | 31 | 6.57 | 3 | 22 | 0.16 | 4.6 |
| D | BWS279 | AD12044736 | 4/04/2012 | 0.0205 | 0.00181 | 0.00052 | 1.56 | 3.7 | 0.02 | 5.6 | -999 | -999 | -999 | 80 | 230 | 0.91 | 0.46 | 0.39 | 0.02 | 119 | 0.7 | 38 | 3.57 | 2.5 | 9.32 | 0.14 | 2.5 |
| D | BWS280 | AD12044736 | 4/04/2012 | 0.0007 | 0.00013 | 0.0001 | 0.3 | 0.34 | 0.03 | 1.8 | -999 | -999 | -999 | 10 | 30 | 0.08 | 0.21 | 0.47 | 0.1 | 7.5 | 0.4 | 13 | 0.35 | 5.8 | 1.04 | -0.05 | 0.3 |
| D | BWS281 | AD12044736 | 4/04/2012 | 0.0011 | 0.00006 | 0.00003 | 0.16 | 0.16 | 0.05 | 1.6 | -999 | -999 | -999 | 10 | 20 | -0.05 | 0.18 | 0.17 | 0.07 | 3.59 | 0.3 | 9 | 0.18 | 6.8 | 0.45 | -0.05 | 0.1 |
| D | BWS282 | AD12044736 | 4/04/2012 | 0.0084 | 0.00189 | 0.00063 | 0.53 | 2.76 | 0.03 | 1.5 | -999 | -999 | -999 | 80 | 120 | 1.32 | 0.48 | 0.04 | -0.02 | 181.5 | 0.3 | 17 | 3.53 | 1.2 | 9.49 | 0.17 | 4.3 |
| D | BWS283 | AD12044736 | 4/04/2012 | 0.0052 | 0.00034 | 0.00016 | 1.1 | 3.28 | 0.01 | 1.3 | -999 | -999 | -999 | 100 | 140 | 1.54 | 0.08 | 0.07 | -0.02 | 139 | 0.4 | 22 | 3.06 | 1.4 | 8.83 | 0.15 | 2.5 |
| D | BWS284 | AD12044736 | 4/04/2012 | 0.0036 | 0.00043 | 0.00033 | 1.4 | 3.91 | 0.03 | 1.5 | -999 | -999 | -999 | 90 | 140 | 1.96 | 0.11 | 0.11 | -0.02 | 174.5 | 0.7 | 34 | 4.53 | 4.6 | 11.6 | 0.19 | 3.9 |
| D | BWS285 | AD12044736 | 4/04/2012 | 0.0014 | 0.00028 | 0.00018 | 1.03 | 3.15 | 0.01 | 0.9 | -999 | -999 | -999 | 90 | 140 | 1.38 | 0.07 | 0.06 | -0.02 | 79.2 | 0.5 | 18 | 3.05 | 1.2 | 8.13 | 0.1 | 2.2 |
| D | BWS286 | AD12044736 | 4/04/2012 | 0.0042 | 0.00028 | 0.00018 | 0.81 | 3.41 | 0.01 | 1.1 | -999 | -999 | -999 | 100 | 150 | 1.28 | 0.04 | 0.06 | -0.02 | 124 | 0.6 | 130 | 3.58 | 0.9 | 9.04 | 0.13 | 2 |
| D | BWS287 | AD12044736 | 4/04/2012 | 0.0013 | 0.0004 | 0.0003 | 1.94 | 4.3 | 0.03 | 4.2 | -999 | -999 | -999 | 50 | 260 | 1.57 | 0.23 | 0.56 | 0.11 | 127.5 | 5.2 | 95 | 5.72 | 5.9 | 11.4 | 0.15 | 3.8 |
| D | BWS288 | AD12044736 | 4/04/2012 | 0.0049 | 0.00019 | 0.00019 | 0.85 | 0.51 | 0.03 | 0.8 | -999 | -999 | -999 | 80 | 20 | 0.54 | 0.14 | 0.05 | -0.02 | 105 | 0.4 | 30 | 0.51 | 1.6 | 2.06 | 0.11 | 2.9 |
| D | BWS289 | AD12044736 | 4/04/2012 | 0.0033 | 0.00017 | 0.00019 | 0.74 | 0.17 | 0.02 | 0.9 | -999 | -999 | -999 | 100 | -10 | 0.44 | 0.1 | 0.02 | -0.02 | 68.2 | 0.4 | 36 | 0.17 | 1.1 | 1.12 | 0.07 | 2.4 |
| D | BWS290 | AD12044736 | 4/04/2012 | 0.0126 | 0.00028 | 0.00026 | 0.64 | 3.6 | 0.01 | 1.1 | -999 | -999 | -999 | 70 | 130 | 1.46 | 0.08 | 0.08 | -0.02 | 154 | 0.3 | 7 | 4.19 | 0.8 | 10.15 | 0.14 | 2.1 |
| D | BWS291 | AD12044736 | 4/04/2012 | 0.0177 | 0.00058 | 0.00049 | 1.44 | 4.03 | 0.03 | 2.4 | -999 | -999 | -999 | 50 | 110 | 0.73 | 0.31 | 0.03 | -0.02 | 168.5 | 0.8 | 34 | 4.41 | 1.5 | 14.55 | 0.15 | 4 |
| D | BWS292 | AD12044736 | 4/04/2012 | 0.0049 | 0.00015 | 0.00015 | 0.65 | 0.11 | 0.01 | 0.6 | -999 | -999 | -999 | 30 | -10 | 0.26 | 0.1 | 0.01 | -0.02 | 25.8 | 0.3 | 41 | 0.21 | 0.7 | 0.57 | 0.09 | 1.3 |
| D | BWS293 | AD12044736 | 4/04/2012 | 0.0024 | 0.00025 | 0.00043 | 1.39 | 0.39 | 0.03 | 5.9 | -999 | -999 | -999 | 50 | -10 | 0.28 | 0.13 | 0.04 | -0.02 | 25.8 | 4.5 | 1070 | 0.23 | 1.2 | 1.44 | 0.08 | 1.8 |
| D | BWS294 | AD12044736 | 4/04/2012 | 0.0049 | 0.00093 | 0.00124 | 1.72 | 3.81 | 0.09 | 16.5 | -999 | -999 | -999 | 30 | 270 | 0.88 | 0.91 | 0.03 | 0.03 | 77.8 | 2.6 | 510 | 7.68 | 4.1 | 9.45 | 0.11 | 2.1 |
| D | BWS295 | AD12044736 | 4/04/2012 | 0.0079 | 0.00059 | 0.00045 | 1.66 | 0.37 | 0.03 | 7.1 | -999 | -999 | -999 | 30 | 30 | 0.34 | 0.3 | 0.02 | -0.02 | 29.3 | 1.2 | 358 | 0.44 | 3 | 1.71 | 0.07 | 3 |
| D | BWS296 | AD12044736 | 4/04/2012 | 0.0143 | 0.00234 | 0.00086 | 3.55 | 3.8 | 0.11 | 38.7 | -999 | -999 | -999 | 20 | 170 | 1.19 | 1.37 | 0.12 | 0.02 | 52.2 | 4.1 | 1380 | 2.93 | 13.8 | 9.35 | 0.12 | 3.1 |
| D | BWS297 | AD12044736 | 4/04/2012 | 0.0058 | 0.00081 | 0.00061 | 0.77 | 0.73 | 0.03 | 3.7 | -999 | -999 | -999 | 20 | 50 | 1.08 | 0.2 | 0.02 | -0.02 | 25.8 | 0.7 | 191 | 0.89 | 3.5 | 1.98 | 0.06 | 1.9 |
| D | BWS298 | AD12044736 | 4/04/2012 | 0.0102 | 0.00288 | 0.00174 | 1.52 | 3.98 | 0.04 | 11.2 | -999 | -999 | -999 | 30 | 180 | 0.92 | 1.23 | 0.07 | -0.02 | 81.2 | 0.9 | 112 | 4.49 | 2.7 | 14.55 | 0.13 | 5.6 |
| D | BWS299 | AD12044736 | 4/04/2012 | 0.0048 | 0.0012 | 0.00043 | 0.9 | 1.85 | 0.02 | 1.7 | -999 | -999 | -999 | 70 | 100 | 0.69 | 0.29 | 0.08 | -0.02 | 95.4 | 0.5 | 27 | 1.53 | 1.9 | 6.13 | 0.11 | 3.4 |
| D | BWS300 | AD12044736 | 4/04/2012 | 0.0031 | 0.00015 | 0.00018 | 1.21 | 0.19 | 0.03 | 1 | -999 | -999 | -999 | 80 | 10 | 0.44 | 0.13 | 0.01 | 0.12 | 34.3 | 0.5 | 51 | 0.21 | 1.6 | 1.13 | 0.06 | 2.3 |
| D | BWS301 | AD12044736 | 4/04/2012 | 0.0021 | 0.00016 | 0.00016 | 1.46 | 0.19 | 0.05 | 1.5 | -999 | -999 | -999 | 80 | 10 | 0.83 | 0.16 | 0.23 | 0.04 | 56.1 | 0.7 | 60 | 0.18 | 3.2 | 1.24 | 0.09 | 1.7 |
| D | BWS302 | AD12044736 | 4/04/2012 | 0.0024 | 0.0002 | 0.00025 | 1.43 | 0.23 | 0.04 | 0.9 | -999 | -999 | -999 | 90 | 10 | 0.51 | 0.13 | 0.07 | 0.02 | 62.7 | 0.7 | 49 | 0.19 | 2.8 | 1.54 | 0.09 | 3 |
| D | BWS303 | AD12044736 | 4/04/2012 | 0.018 | 0.00083 | 0.00045 | 0.72 | 3.45 | 0.03 | 1.3 | -999 | -999 | -999 | 110 | 140 | 1.83 | 0.22 | 0.08 | 0.02 | 269 | 0.4 | 13 | 4.72 | 1.6 | 10.85 | 0.24 | 4.3 |
| D | BWS304 | AD12044736 | 4/04/2012 | 0.0021 | 0.00008 | 0.00009 | 0.97 | 0.22 | 0.04 | 0.7 | -999 | -999 | -999 | 40 | 10 | 0.34 | 0.11 | 0.26 | 0.04 | 24.7 | 0.4 | 22 | 0.23 | 1.9 | 0.94 | 0.08 | 1 |
| D | BWS305 | AD12044736 | 4/04/2012 | 0.0015 | 0.00024 | 0.00015 | 0.9 | 2.74 | 0.03 | 1.2 | -999 | -999 | -999 | 50 | 110 | 1.22 | 0.12 | 0.09 | 0.04 | 94.9 | 0.4 | 8 | 2.43 | 1.9 | 7.03 | 0.15 | 2.3 |
| D | BWS306 | AD12044736 | 4/04/2012 | 0.0012 | 0.00016 | 0.00011 | 1.19 | 2.65 | 0.02 | 0.9 | -999 | -999 | -999 | 60 | 130 | 0.9 | 0.1 | 0.04 | 0.02 | 94 | 0.5 | 11 | 2.66 | 1.3 | 6.94 | 0.14 | 1.4 |
| D | BWS308 | AD12044736 | 4/04/2012 | 0.0005 | 0.00008 | 0.00006 | 0.36 | 2.61 | 0.01 | 0.5 | -999 | -999 | -999 | 20 | 170 | 1.03 | 0.1 | 0.06 | -0.02 | 75.3 | 0.2 | 11 | 3.14 | 0.7 | 6.03 | 0.11 | 1.1 |
| D | BWS309 | AD12044736 | 4/04/2012 | 0.009 | 0.0001 | 0.00013 | 0.75 | 0.29 | 0.02 | 0.9 | -999 | -999 | -999 | 40 | 10 | 0.36 | 0.12 | 0.08 | 0.03 | 96.7 | 0.6 | 185 | 0.3 | 2.2 | 1.29 | 0.11 | 3.1 |
| D | BWS310 | AD12044736 | 4/04/2012 | 0.037 | 0.00068 | 0.00019 | 2.92 | 0.45 | 0.02 | 1.1 | -999 | -999 | -999 | 60 | 30 | 0.3 | 0.13 | 0.08 | -0.02 | 106 | 3.1 | 2000 | 0.44 | 3.2 | 1.95 | 0.14 | 3.3 |
| D | BWS311 | AD12044736 | 4/04/2012 | 0.0066 | 0.00051 | 0.00045 | 2.33 | 3.47 | 0.03 | 1.7 | -999 | -999 | -999 | 50 | 240 | 1.22 | 0.22 | 0.31 | 0.02 | 167.5 | 2.3 | 708 | 4.56 | 3.1 | 9.45 | 0.17 | 5.7 |
| D | BWS312 | AD12044736 | 4/04/2012 | 0.0042 | 0.0041 | 0.00231 | 3.49 | 1.96 | 0.07 | 12.5 | -999 | -999 | -999 | 30 | 90 | 0.51 | 1.7 | 0.05 | 0.1 | 40.6 | 1.5 | 99 | 4.01 | 32.6 | 8.68 | 0.11 | 1.4 |
| D | BWS314 | AD12044736 | 4/04/2012 | 0.0132 | 0.0134 | 0.00238 | 6.97 | 2.26 | 0.07 | 29.2 | -999 | -999 | -999 | 10 | 60 | 1.1 | 61.3 | 0.14 | -0.02 | 56.9 | 3.6 | 251 | 0.9 | 30.6 | 11.55 | 0.19 | 2.8 |
| D | BWS315 | AD12044736 | 4/04/2012 | 0.0015 | 0.00026 | 0.00026 | 3.62 | 0.09 | 0.04 | 2.9 | -999 | -999 | -999 | 10 | 10 | -0.05 | 0.47 | 0.06 | 0.02 | 4.76 | 1.1 | 309 | 0.15 | 5 | 0.89 | 0.08 | 1.2 |
| D | BWS316 | AD12044736 | 4/04/2012 | 0.001 | 0.00062 | 0.00033 | 4.07 | 0.44 | 0.05 | 11.6 | -999 | -999 | -999</ | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|-----------|---------|---------|---------|------|------|------|------|----------|----------|----------|-----|-----|------|-------|------|-------|-------|-----|-----|-------|-------|-------|------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | BWS327 | AD12044736 | 4/04/2012 | 0.0028 | 0.00024 | 0.00029 | 1.25 | 2.33 | 0.07 | 1 | -999 | -999 | -999 | 70 | 130 | 0.96 | 0.16 | 0.08 | 0.02 | 161 | 0.5 | 22 | 1.72 | 2.7 | 6.64 | 0.18 | 4.6 |
| D | BWS328 | AD12044736 | 4/04/2012 | 0.0012 | 0.00026 | 0.00025 | 1.57 | 3.65 | 0.04 | 2.1 | -999 | -999 | -999 | 60 | 210 | 0.87 | 0.14 | 0.07 | 0.02 | 93.9 | 0.7 | 18 | 3.8 | 3.2 | 10.7 | 0.17 | 3.1 |
| D | BWS329 | AD12044736 | 4/04/2012 | 0.0006 | 0.00023 | 0.00019 | 0.65 | 3.83 | 0.05 | 1.2 | -999 | -999 | -999 | 30 | 180 | 0.71 | 0.15 | 0.07 | 0.03 | 144 | 0.5 | 13 | 4.06 | 1.7 | 12.6 | 0.18 | 3.2 |
| D | BWS330 | AD12044736 | 4/04/2012 | 0.0013 | 0.00013 | 0.00018 | 0.83 | 1.03 | 0.02 | 1.5 | -999 | -999 | -999 | 50 | 40 | 0.82 | 0.12 | 0.06 | -0.02 | 112.5 | 0.4 | 18 | 0.83 | 1.8 | 3.41 | 0.15 | 3.8 |
| D | BWS331 | AD12044736 | 4/04/2012 | 0.001 | 0.00087 | 0.00053 | 1.87 | 2.73 | 0.07 | 2.9 | -999 | -999 | -999 | 30 | 320 | 1.82 | -0.01 | 0.11 | 0.02 | 151.5 | 1 | 15 | 10.8 | 2 | 27.9 | 2.67 | 4 |
| D | BWS332 | AD12044736 | 4/04/2012 | 0.0015 | 0.00034 | 0.00048 | 1.75 | 1.29 | 0.03 | 1.1 | -999 | -999 | -999 | 20 | 90 | 0.46 | 0.1 | 0.02 | -0.02 | 54.2 | 0.6 | 19 | 1.26 | 1.9 | 3.84 | 0.1 | 2.1 |
| D | BWS333 | AD12044736 | 4/04/2012 | 0.0006 | 0.00066 | 0.00083 | 3.67 | 3.05 | 0.04 | 1.7 | -999 | -999 | -999 | 30 | 150 | 0.64 | 0.17 | 0.04 | 0.03 | 91.2 | 1.1 | 34 | 2.96 | 3.9 | 8.86 | 0.17 | 3.5 |
| D | BWS334 | AD12044736 | 4/04/2012 | 0.0017 | 0.00099 | 0.00252 | 3.08 | 6.29 | 0.04 | 2.6 | -999 | -999 | -999 | 20 | 150 | 1.01 | 0.78 | 0.02 | 0.03 | 90.8 | 0.9 | 24 | 8.1 | 3.2 | 25.3 | 0.19 | 4.2 |
| D | BWS335 | AD12044736 | 4/04/2012 | 0.0015 | 0.00078 | 0.00125 | 1.56 | 4.4 | 0.06 | 1.6 | -999 | -999 | -999 | 20 | 110 | 0.92 | 0.48 | 0.03 | -0.02 | 97.5 | 0.6 | 20 | 4.5 | 2.8 | 16 | 0.16 | 4.2 |
| D | BWS336 | AD12044736 | 4/04/2012 | 0.0015 | 0.0012 | 0.0041 | 2.75 | 6.83 | 0.06 | 3.3 | -999 | -999 | -999 | 20 | 190 | 0.98 | 0.43 | 0.03 | -0.02 | 72.8 | 1.2 | 36 | 7.05 | 1.8 | 23.7 | 0.23 | 4.6 |
| D | BWS337 | AD12044736 | 4/04/2012 | 0.012 | 0.00408 | 0.00876 | 4.11 | 5.7 | 0.07 | 2.4 | -999 | -999 | -999 | 40 | 100 | 3.33 | 0.28 | 0.02 | -0.02 | 38.2 | 1 | 20 | 8.91 | 1.8 | 20.8 | 0.18 | 2.7 |
| D | BWS338 | AD12044736 | 4/04/2012 | 0.0027 | 0.00158 | 0.00178 | 2.32 | 7.47 | 0.07 | 2.1 | -999 | -999 | -999 | 40 | 240 | 1.88 | 0.31 | 0.05 | 0.02 | 89.8 | 3 | 20 | 12.4 | 3.1 | 25.2 | 0.22 | 3.5 |
| D | BWS339 | AD12044736 | 4/04/2012 | 0.0051 | 0.00291 | 0.01791 | 5.18 | 6.66 | 0.05 | 3.5 | -999 | -999 | -999 | 40 | 210 | 2.56 | 0.48 | 0.04 | -0.02 | 115 | 2.9 | 13 | 9.85 | 1.4 | 24.4 | 0.28 | 3.4 |
| D | BWS340 | AD12044736 | 4/04/2012 | 0.045 | 0.00181 | 0.00097 | 2.63 | 7.67 | 0.08 | 2.7 | -999 | -999 | -999 | 50 | 210 | 1.8 | 0.9 | 0.08 | -0.02 | 121 | 1.6 | 25 | 14.4 | 3.5 | 31.8 | 0.22 | 5 |
| D | BWS341 | AD12044736 | 4/04/2012 | 0.0048 | 0.00059 | 0.00043 | 0.81 | 3.83 | 0.04 | 2.3 | -999 | -999 | -999 | 40 | 160 | 1.04 | 0.23 | 0.03 | -0.02 | 126.5 | 0.5 | 15 | 3.7 | 1.6 | 13.9 | 0.19 | 4.6 |
| D | BWS342 | AD12044736 | 4/04/2012 | 0.0345 | 0.00221 | 0.00052 | 1.05 | 0.18 | 0.04 | 2.7 | -999 | -999 | -999 | 60 | 10 | 0.6 | 0.7 | 0.05 | -0.02 | 46.1 | 0.4 | 24 | 0.23 | 4.2 | 1.3 | 0.12 | 2.7 |
| D | BWS343 | AD12044736 | 4/04/2012 | 0.0446 | 0.0268 | 0.00398 | 8.53 | 6.88 | 0.15 | 44.6 | -999 | -999 | -999 | 50 | 190 | 3.26 | 19.15 | 0.02 | -0.02 | 111 | 2.1 | 27 | 20.5 | 108.5 | 24.3 | 0.34 | 4.4 |
| D | BWS344 | AD12044736 | 4/04/2012 | 0.0034 | 0.00037 | 0.00034 | 0.56 | 2.53 | 0.03 | 0.5 | -999 | -999 | -999 | 60 | 130 | 0.78 | 0.12 | 0.03 | 0.02 | 139 | 0.3 | 9 | 2.62 | 1 | 7.92 | 0.11 | 3.5 |
| D | BWS345 | AD12044736 | 4/04/2012 | 0.0057 | 0.00061 | 0.00026 | 0.86 | 3.86 | 0.04 | 0.9 | -999 | -999 | -999 | 50 | 180 | 1.32 | 0.21 | 0.11 | -0.02 | 150.5 | 0.4 | 9 | 3.19 | 2 | 10.85 | 0.13 | 3.5 |
| D | BWS346 | AD12044736 | 4/04/2012 | 0.0011 | 0.00038 | 0.00029 | 0.85 | 5.52 | 0.03 | 1.9 | -999 | -999 | -999 | 30 | 210 | 0.81 | 0.15 | 0.03 | -0.02 | 147 | 0.8 | 11 | 6.66 | 1 | 20.1 | 0.13 | 3.7 |
| D | BWS347 | AD12044736 | 4/04/2012 | 0.0011 | 0.00048 | 0.0002 | 1.19 | 7.77 | 0.03 | 2.6 | -999 | -999 | -999 | 20 | 420 | 1.33 | 0.1 | 0.08 | -0.02 | 86.5 | 1.2 | 5 | 13.2 | 0.7 | 27.6 | 0.11 | 3.3 |
| D | BWS348 | AD12044736 | 4/04/2012 | 0.0006 | 0.00019 | 0.00019 | 1.32 | 3.58 | 0.02 | 1 | -999 | -999 | -999 | 50 | 230 | 0.78 | 0.07 | 0.05 | -0.02 | 167.5 | 0.6 | 19 | 3.91 | 1.5 | 9.7 | 0.15 | 3.6 |
| D | BWS349 | AD12044736 | 4/04/2012 | -0.0005 | 0.00015 | 0.0002 | 1.79 | 2.69 | 0.03 | 1 | -999 | -999 | -999 | 60 | 90 | 1.19 | 0.07 | 0.14 | -0.02 | 298 | 0.7 | 27 | 2.68 | 2.1 | 7.89 | 0.21 | 4 |
| D | BWS350 | AD12044736 | 4/04/2012 | 0.0009 | 0.00026 | 0.0003 | 0.96 | 4.17 | 0.03 | 1.9 | -999 | -999 | -999 | 30 | 170 | 0.72 | 0.14 | 0.06 | 0.03 | 168 | 0.7 | 13 | 4.01 | 2.7 | 14.75 | 0.14 | 3.3 |
| D | BWS351 | AD12044736 | 4/04/2012 | 0.001 | 0.00038 | 0.0004 | 1.66 | 5.87 | 0.04 | 3.1 | -999 | -999 | -999 | 30 | 120 | 0.79 | 0.16 | 0.03 | -0.02 | 190.5 | 1.3 | 12 | 5.53 | 1.4 | 21.4 | 0.17 | 3.7 |
| D | BWS352 | AD12044736 | 4/04/2012 | -0.0005 | 0.00037 | 0.00039 | 1.83 | 7.45 | 0.04 | 2.7 | -999 | -999 | -999 | 30 | 150 | 0.86 | 0.1 | 0.04 | -0.02 | 173.5 | 1.7 | 9 | 8.79 | 1.3 | 23.7 | 0.14 | 3.5 |
| D | BWS353 | AD12044736 | 4/04/2012 | -0.0005 | 0.00024 | 0.00033 | 1.49 | 6.1 | 0.03 | 1.6 | -999 | -999 | -999 | 10 | 180 | 1.36 | 0.14 | 0.04 | 0.03 | 178 | 1 | 9 | 5.51 | 1.4 | 21.3 | 0.18 | 3.6 |
| D | BWS354 | AD12044736 | 4/04/2012 | -0.0005 | 0.00032 | 0.00077 | 2.34 | 8.26 | 0.06 | 3.5 | -999 | -999 | -999 | 10 | 210 | 1.02 | 0.17 | 0.05 | 0.02 | 158.5 | 2 | 12 | 9.55 | 2.2 | 27.6 | 0.36 | 4 |
| D | BWS355 | AD12044736 | 4/04/2012 | 0.0005 | 0.00031 | 0.00048 | 1.94 | 7.34 | 0.05 | 3.1 | -999 | -999 | -999 | 20 | 190 | 0.86 | 0.18 | 0.05 | 0.02 | 177 | 1.5 | 13 | 9.74 | 1.9 | 23.2 | 0.3 | 4.2 |
| D | BWS357 | AD12044736 | 4/04/2012 | 0.0015 | 0.00154 | 0.00074 | 4.07 | 2.87 | 0.04 | 28.4 | -999 | -999 | -999 | 20 | 80 | 0.26 | 1.27 | 0.07 | -0.02 | 53.9 | 1.1 | 260 | 2.32 | 10.3 | 12.3 | 0.17 | 2.9 |
| D | BWS358 | AD12044736 | 4/04/2012 | 0.0021 | 0.00234 | 0.00067 | 3.64 | 3.17 | 0.05 | 29.7 | -999 | -999 | -999 | 20 | 100 | 0.31 | 2.13 | 0.07 | -0.02 | 61 | 1.3 | 257 | 3.38 | 13.4 | 11 | 0.13 | 2.9 |
| D | BWS359 | AD12044736 | 4/04/2012 | 0.0014 | 0.00113 | 0.00489 | 2.57 | 6.39 | 0.06 | 3.2 | -999 | -999 | -999 | 20 | 230 | 1.06 | 0.37 | 0.04 | -0.02 | 73.2 | 0.8 | 12 | 5.71 | 1.8 | 23.1 | 0.32 | 4.1 |
| D | BWS360 | AD12044736 | 4/04/2012 | 0.0022 | 0.00133 | 0.00262 | 1.69 | 5.13 | 0.05 | 2 | -999 | -999 | -999 | 20 | 210 | 1.09 | 0.25 | 0.04 | 0.05 | 50.9 | 0.8 | 20 | 7.06 | 1.7 | 20.2 | 0.15 | 3.6 |
| D | BWS361 | AD12044736 | 4/04/2012 | 0.0008 | 0.00065 | 0.00074 | 2.48 | 5.82 | 0.06 | 2.6 | -999 | -999 | -999 | 30 | 240 | 1.27 | 0.22 | 0.05 | 0.03 | 99 | 1 | 15 | 7.39 | 2.4 | 21.4 | 0.21 | 4.3 |
| D | BWS362 | AD12044736 | 4/04/2012 | -0.0005 | 0.00032 | 0.00024 | 2 | 7.51 | 0.08 | 2.6 | -999 | -999 | -999 | 30 | 290 | 1.14 | 0.12 | 0.04 | 0.02 | 88.9 | 1.1 | 10 | 7.59 | 2.6 | 26.3 | 0.19 | 3.8 |
| D | BWS363 | AD12044736 | 4/04/2012 | 0.0007 | 0.00047 | 0.0003 | 1.72 | 6.38 | 0.05 | 2 | -999 | -999 | -999 | 40 | 270 | 1.35 | 0.29 | 0.07 | -0.02 | 89 | 0.9 | 16 | 9.06 | 1.7 | 21.8 | 0.19 | 3.6 |
| D | BWS364 | AD12044736 | 4/04/2012 | 0.0015 | 0.0003 | 0.00045 | 0.78 | 2.28 | 0.03 | 1.1 | -999 | -999 | -999 | 100 | 100 | 0.82 | 0.12 | 0.03 | -0.02 | 138 | 0.4 | 16 | 1.96 | 1.9 | 7.47 | 0.18 | 4.1 |
| D | BWS365 | AD12044736 | 4/04/2012 | 0.0021 | 0.00042 | 0.00064 | 0.78 | 3.43 | 0.05 | 2.9 | -999 | -999 | -999 | 120 | 120 | 0.85 | 0.23 | 0.04 | -0.02 | 137.5 | 0.5 | 12 | 3.36 | 2.7 | 13 | 0.18 | 4.3 |
| D | BWS366 | AD12044736 | 4/04/2012 | 0.0005 | 0.00043 | 0.0005 | 0.86 | 3.46 | 0.04 | 0.8 | -999 | -999 | -999 | 90 | 130 | 1.15 | 0.12 | 0.06 | -0.02 | 168.5 | 0.4 | 10 | 5.21 | 1.5 | 11.75 | 0.19 | 4 |
| D | BWS367 | AD12044736 | 4/04/2012 | 0.0074 | 0.00024 | 0.00037 | 0.96 | 0.35 | 0.02 | 0.9 | -999 | -999 | -999 | 100 | 10 | 0.89 | 0.12 | 0.02 | 0.02 | 102.5 | 0.5 | 15 | 0.38 | 1.5 | 2.04 | 0.14 | 3.4 |
| D | BWS368 | AD12044736 | 4/04/2012 | 0.0027 | 0.00044 | 0.0003 | 1.03 | 3.5 | 0.03 | 1.2 | -999 | -999 | -999 | 110 | 170 | 1.19 | 0.09 | 0.07 | -0.02 | 153.5 | 0.5 | 16 | 3.52 | 2.1 | 11 | 0.2 | 3.7 |
| D | BWS369 | AD12044736 | 4/04/2012 | 0.001 | 0.00053 | 0.00034 | 0.96 | 4.38 | 0.04 | 1.4 | -999 | -999 | -999 | 50 | 200 | 1.49 | 0.19 | 0.06 | -0.02 | 226 | 0.7 | 10 | 11.25 | 1.4 | 12.7 | 0.25 | 4.1 |
| D | BWS370 | AD12044736 | 4/04/2012 | 0.0018 | 0.00109 | 0.00165 | 0.7 | 3.17 | 0.04 | 0.8 | -999 | -999 | -999 | 40 | 180 | 1.16 | 0.13 | 0.04 | -0.02 | 110 | 0.4 | 14 | 3.86 | 1.4 | 10.35 | 0.16 | 4.9 |
| D | BWS371 | AD12044736 | 4/04/2012 | 0.0032 | 0.00166 | 0.00153 | 0.88 | 4.65 | 0.03 | 1.2 | -999 | -999 | -999 | 50 | 230 | 1.35 | 0.11 | 0.03 | -0.02 | 69.8 | 0.5 | 9 | 5.97 | 1.1 | 14.85 | 0.15 | 3.2 |
| D | BWS372 | AD12044736 | 4/04/2012 | 0.0025 | 0.00141 | 0.00184 | 1.1 | 4.69 | 0.06 | 1.5 | -999 | -999 | -999 | 40 | 250 | 1.4 | 0.12 | 0.07 | -0.02 | 64.9 | 0.5 | 14 | 6.91 | 1.9 | 16.7 | 0.18 | 4 |
| D | BWS373 | AD12044736 | 4/04/2012 | 0.0023 | 0.00103 | 0.00151 | 3.81 | 8.71 | 0.06 | 3.8 | -999 | -999 | -999 | 30 | 250 | 1.71 | 0.23 | 0.04 | 0.03 | 44.2 | 2.2 | 12 | 11.2 | 2 | 27.2 | 0.28 | 3.5 |
| D | BWS374 | AD12044736 | 4/ | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|------------|---------|---------|---------|------|------|-------|-----|----------|----------|----------|-----|-----|-------|------|------|-------|-------|------|-----|-------|------|-------|------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | BWS384 | AD12044736 | 4/04/2012 | 0.0014 | 0.00047 | 0.0004 | 1.47 | 5.12 | 0.08 | 1.7 | -999 | -999 | -999 | 30 | 260 | 1.19 | 0.11 | 0.1 | -0.02 | 151 | 0.6 | 12 | 5.55 | 2.7 | 15.4 | 0.42 | 5.2 |
| D | BWS385 | AD12044736 | 4/04/2012 | 0.0033 | 0.00186 | 0.00135 | 1.72 | 5.94 | 0.06 | 1.4 | -999 | -999 | -999 | 20 | 220 | 1.83 | 0.13 | 0.04 | -0.02 | 133 | 0.9 | 13 | 9.61 | 2.7 | 17.9 | 0.4 | 4.8 |
| D | BWS386 | AD12044736 | 4/04/2012 | 0.0034 | 0.0021 | 0.00262 | 1.72 | 6.51 | 0.06 | 1.5 | -999 | -999 | -999 | 20 | 240 | 2.44 | 0.13 | 0.05 | -0.02 | 55.3 | 0.8 | 12 | 9 | 2.4 | 21.2 | 0.37 | 4.5 |
| D | BWS387 | AD12044736 | 4/04/2012 | 0.0012 | 0.00024 | 0.0012 | 0.6 | 1.82 | 0.04 | 0.9 | -999 | -999 | -999 | 10 | 170 | 0.47 | 0.11 | 0.31 | 0.04 | 22.3 | 0.4 | 8 | 1.53 | 4.8 | 4.78 | 0.27 | 1.9 |
| D | BWS388 | AD12044736 | 4/04/2012 | 0.0016 | 0.00068 | 0.00164 | 1.22 | 3.69 | 0.03 | 1.4 | -999 | -999 | -999 | 20 | 290 | 0.92 | 0.13 | 0.08 | -0.02 | 27.4 | 0.6 | 10 | 3.6 | 2.3 | 11.45 | 0.27 | 3.3 |
| D | BWS389 | AD12044736 | 4/04/2012 | 0.0016 | 0.00061 | 0.00048 | 1.07 | 2.86 | 0.02 | 0.6 | -999 | -999 | -999 | 60 | 220 | 0.83 | 0.09 | 0.07 | -0.02 | 104.5 | 0.6 | 12 | 4.59 | 2 | 8.62 | 0.26 | 4.8 |
| D | BWS390 | AD12044736 | 4/04/2012 | -0.0005 | 0.00014 | 0.00014 | 0.58 | 4.89 | 0.01 | 0.9 | -999 | -999 | -999 | 50 | 480 | 0.94 | 0.05 | 0.09 | -0.02 | 60.8 | 0.3 | 7 | 4.15 | 1.1 | 12.5 | 0.21 | 3.3 |
| D | BWS391 | AD12044736 | 4/04/2012 | 0.0008 | 0.00089 | 0.00044 | 4.01 | 7.79 | 0.03 | 2.8 | -999 | -999 | -999 | 30 | 230 | 2.52 | 1 | 0.11 | 0.02 | 93.4 | 2 | 10 | 14.1 | 2.7 | 34.4 | 0.34 | 3.8 |
| D | BWS392 | AD12044736 | 4/04/2012 | 0.0009 | 0.00048 | 0.00039 | 1.44 | 4.96 | -0.02 | 1.7 | -999 | -999 | -999 | 50 | 220 | 1.27 | 0.2 | 0.06 | 0.02 | 137.5 | 0.8 | 21 | 10.45 | 2.2 | 29 | 0.24 | 5.5 |
| D | BWS393 | AD12044736 | 4/04/2012 | 0.0005 | 0.00043 | 0.00042 | 1.66 | 7.11 | -0.01 | 1.9 | -999 | -999 | -999 | 40 | 390 | 1.34 | 0.1 | 0.07 | 0.02 | 75.4 | 0.9 | 11 | 9.84 | 2.2 | 23.2 | 0.27 | 3 |
| D | BWS394 | AD12044736 | 4/04/2012 | 0.0012 | 0.00038 | 0.00032 | 0.72 | 3.27 | -0.01 | 1.1 | -999 | -999 | -999 | 70 | 160 | 1.09 | 0.06 | 0.07 | -0.02 | 147.5 | 0.5 | 13 | 3.15 | 2.1 | 10.15 | 0.23 | 5 |
| D | MHS001 | AD12034530 | 15/03/2012 | -0.0005 | 0.00021 | 0.0002 | 4.56 | 3.97 | 0.12 | 4.9 | -999 | -999 | -999 | 60 | 190 | 1.19 | 0.2 | 0.27 | 0.15 | 60.9 | 23.8 | 426 | 6.11 | 25.3 | 12.25 | 0.13 | 3.8 |
| D | MHS002 | AD12034530 | 15/03/2012 | -0.0005 | 0.00021 | 0.00019 | 4.27 | 4.73 | 0.12 | 4.8 | -999 | -999 | -999 | 60 | 190 | 1.14 | 0.18 | 0.19 | 0.08 | 63 | 15.6 | 342 | 6.88 | 23.8 | 14.15 | 0.12 | 4.1 |
| D | MHS003 | AD12034530 | 15/03/2012 | -0.0005 | 0.00025 | 0.00023 | 5.41 | 5.42 | 0.11 | 6.3 | -999 | -999 | -999 | 40 | 140 | 0.73 | 0.24 | 0.11 | 0.05 | 59.1 | 8.1 | 268 | 7.32 | 26.1 | 16.75 | 0.15 | 4.5 |
| D | MHS004 | AD12034530 | 15/03/2012 | 0.0008 | 0.00026 | 0.00032 | 1.93 | 3.57 | 0.07 | 4.6 | -999 | -999 | -999 | 40 | 160 | 0.56 | 0.29 | 0.03 | 0.02 | 75.5 | 1.5 | 124 | 6.55 | 7.8 | 12.75 | 0.1 | 4.1 |
| D | MHS005 | AD12034530 | 15/03/2012 | 0.0006 | 0.00021 | 0.00032 | 1.61 | 2.28 | 0.06 | 3.3 | -999 | -999 | -999 | 50 | 100 | 0.4 | 0.22 | 0.02 | 0.04 | 82.2 | 1.6 | 147 | 4.53 | 7.4 | 9.3 | 0.11 | 4.5 |
| D | MHS006 | AD12034530 | 15/03/2012 | 0.0006 | 0.00021 | 0.00024 | 0.76 | 2.66 | 0.08 | 2.5 | -999 | -999 | -999 | 40 | 140 | 0.5 | 0.19 | 0.02 | -0.02 | 73.4 | 1.1 | 137 | 5.2 | 4.3 | 9.47 | 0.11 | 4.8 |
| D | MHS007 | AD12034530 | 15/03/2012 | 0.0006 | 0.00024 | 0.00033 | 0.86 | 3.03 | 0.05 | 3.5 | -999 | -999 | -999 | 50 | 170 | 0.55 | 0.25 | 0.02 | -0.02 | 96.6 | 0.9 | 78 | 5.95 | 4.7 | 10.35 | 0.13 | 4.5 |
| D | MHS008 | AD12034530 | 15/03/2012 | 0.0006 | 0.00024 | 0.00028 | 1.1 | 3.28 | 0.08 | 4 | -999 | -999 | -999 | 50 | 180 | 0.61 | 0.26 | 0.02 | 0.04 | 92.7 | 1 | 92 | 6.12 | 5 | 10.95 | 0.13 | 3.9 |
| D | MHS009 | AD12034530 | 15/03/2012 | -0.0005 | 0.00027 | 0.00025 | 2.19 | 4.35 | 0.06 | 5.1 | -999 | -999 | -999 | 50 | 230 | 0.85 | 0.27 | 0.02 | -0.02 | 74.9 | 2.2 | 212 | 7.25 | 8.6 | 14.35 | 0.13 | 4.1 |
| D | MHS010 | AD12034530 | 15/03/2012 | 0.0006 | 0.00025 | 0.00033 | 0.86 | 3.31 | 0.05 | 3.6 | -999 | -999 | -999 | 50 | 190 | 0.62 | 0.26 | 0.02 | 0.03 | 91 | 1.1 | 112 | 5.95 | 4.6 | 11.2 | 0.15 | 3.9 |
| D | MHS011 | AD12034530 | 15/03/2012 | 0.0007 | 0.00021 | 0.0003 | 0.53 | 2.52 | 0.09 | 2.6 | -999 | -999 | -999 | 50 | 150 | 0.5 | 0.2 | 0.03 | 0.05 | 86.6 | 0.9 | 83 | 4.74 | 4.9 | 8.69 | 0.13 | 4.1 |
| D | MHS012 | AD12034530 | 15/03/2012 | 0.0009 | 0.00003 | 0.00003 | 0.19 | 0.27 | 0.11 | 1 | -999 | -999 | -999 | 10 | 20 | 0.05 | 0.12 | 0.09 | 0.11 | 6.95 | 0.5 | 7 | 0.28 | 7 | 0.56 | 0.08 | 0.4 |
| D | MHS013 | AD12034530 | 15/03/2012 | 0.0009 | 0.00009 | 0.00009 | 0.85 | 1.07 | 0.09 | 3.2 | -999 | -999 | -999 | 20 | 40 | 0.14 | 0.16 | 0.03 | 0.1 | 21.1 | 0.6 | 27 | 2.44 | 8.2 | 3.89 | 0.12 | 1 |
| D | MHS014 | AD12034530 | 15/03/2012 | 0.0005 | 0.00019 | 0.0002 | 2.98 | 3.63 | 0.1 | 5.1 | -999 | -999 | -999 | 40 | 110 | 0.39 | 0.29 | 0.04 | 0.05 | 42 | 1.9 | 113 | 5.55 | 12.5 | 12.25 | 0.18 | 2.9 |
| D | MHS015 | AD12034530 | 15/03/2012 | 0.0005 | 0.00021 | 0.00024 | 2.53 | 3.46 | 0.05 | 4.6 | -999 | -999 | -999 | 40 | 150 | 0.53 | 0.27 | 0.04 | 0.03 | 51.8 | 2.1 | 193 | 5.57 | 8.5 | 13.25 | 0.13 | 3.7 |
| D | MHS016 | AD12034530 | 15/03/2012 | -0.0005 | 0.00019 | 0.00024 | 2.73 | 2.65 | 0.05 | 4 | -999 | -999 | -999 | 30 | 100 | 0.37 | 0.23 | 0.02 | 0.02 | 43.5 | 1 | 114 | 4.6 | 6.6 | 10.2 | 0.15 | 3.3 |
| D | MHS017 | AD12034530 | 15/03/2012 | -0.0005 | 0.00013 | 0.00019 | 0.49 | 0.98 | 0.04 | 1.2 | -999 | -999 | -999 | 20 | 70 | 0.25 | 0.09 | 0.02 | 0.03 | 27.5 | 0.6 | 91 | 2.6 | 4 | 4.73 | 0.11 | 3 |
| D | MHS018 | AD12034530 | 15/03/2012 | -0.0005 | 0.00012 | 0.00019 | 0.48 | 0.73 | 0.06 | 1.2 | -999 | -999 | -999 | 20 | 60 | 0.24 | 0.07 | 0.03 | 0.02 | 22.5 | 0.6 | 111 | 1.8 | 6.3 | 2.97 | 0.12 | 3.4 |
| D | MHS019 | AD12034530 | 15/03/2012 | 0.0007 | 0.00005 | 0.0001 | 0.3 | 0.14 | 0.04 | 0.7 | -999 | -999 | -999 | 10 | 10 | 0.07 | 0.07 | 0.09 | 0.06 | 7.12 | 0.4 | 72 | 0.25 | 4.8 | 0.51 | 0.12 | 1.8 |
| D | MHS020 | AD12034530 | 15/03/2012 | -0.0005 | 0.00003 | 0.00005 | 0.31 | 0.11 | 0.1 | 1.3 | -999 | -999 | -999 | 10 | 10 | -0.05 | 0.1 | 0.05 | 0.11 | 5.01 | 0.3 | 26 | 0.16 | 4.3 | 0.43 | 0.1 | 0.9 |
| D | MHS021 | AD12034530 | 15/03/2012 | -0.0005 | 0.00006 | 0.00009 | 1.23 | 0.15 | 0.06 | 0.5 | -999 | -999 | -999 | 10 | 10 | 0.08 | 0.05 | 0.02 | 0.02 | 11.45 | 1 | 363 | 0.22 | 3.3 | 0.72 | 0.12 | 1.8 |
| D | MHS026 | AD12034530 | 15/03/2012 | -0.0005 | 0.00021 | 0.00018 | 1.85 | 3.2 | 0.1 | 4 | -999 | -999 | -999 | 30 | 170 | 0.9 | 0.17 | 0.15 | 0.31 | 74.8 | 7.9 | 568 | 5.86 | 15.1 | 9.72 | 0.17 | 4.1 |
| D | MHS027 | AD12034530 | 15/03/2012 | -0.0005 | 0.00026 | 0.0002 | 2.54 | 4.26 | 0.06 | 7.6 | -999 | -999 | -999 | 40 | 210 | 0.8 | 0.16 | 0.02 | -0.02 | 97.5 | 0.9 | 65 | 5.48 | 4.5 | 12.55 | 0.18 | 5.4 |
| D | MHS028 | AD12034530 | 15/03/2012 | -0.0005 | 0.00015 | 0.00023 | 0.51 | 1.25 | 0.09 | 1.6 | -999 | -999 | -999 | 30 | 80 | 0.31 | 0.08 | 0.02 | 0.02 | 87.9 | 0.4 | 30 | 2.58 | 3.1 | 5.26 | 0.15 | 5.2 |
| D | MHS029 | AD12034530 | 15/03/2012 | 0.0007 | 0.00012 | 0.00018 | 0.21 | 0.89 | 0.07 | 1.1 | -999 | -999 | -999 | 20 | 70 | 0.24 | 0.05 | 0.02 | -0.02 | 76.5 | 0.3 | 21 | 2 | 2.3 | 3.8 | 0.14 | 5.7 |
| D | MHS030 | AD12034530 | 15/03/2012 | -0.0005 | 0.00021 | 0.00019 | 1.4 | 2.93 | 0.07 | 3.5 | -999 | -999 | -999 | 30 | 150 | 0.56 | 0.1 | 0.05 | 0.03 | 82 | 0.7 | 38 | 3.66 | 4.4 | 9.32 | 0.15 | 5.2 |
| D | MHS031 | AD12034530 | 15/03/2012 | -0.0005 | 0.00015 | 0.00018 | 0.57 | 1.1 | 0.08 | 1.4 | -999 | -999 | -999 | 20 | 70 | 0.25 | 0.07 | 0.02 | 0.03 | 64 | 0.4 | 26 | 2.35 | 2.9 | 4.78 | 0.13 | 5 |
| D | MHS032 | AD12034530 | 15/03/2012 | 0.0008 | 0.00017 | 0.00018 | 1.06 | 1.92 | 0.06 | 2.6 | -999 | -999 | -999 | 20 | 70 | 0.25 | 0.09 | 0.03 | 0.02 | 65.1 | 0.5 | 32 | 2.97 | 2.5 | 7.06 | 0.13 | 4.7 |
| D | MHS033 | AD12034530 | 15/03/2012 | -0.0005 | 0.0001 | 0.00015 | 0.36 | 0.75 | 0.1 | 1.4 | -999 | -999 | -999 | 10 | 60 | 0.16 | 0.08 | 0.12 | 0.06 | 56.4 | 0.4 | 19 | 2.14 | 4.3 | 3.02 | 0.15 | 4.9 |
| D | MHS034 | AD12034530 | 15/03/2012 | 0.0005 | 0.00021 | 0.00026 | 0.85 | 2.45 | 0.07 | 3.2 | -999 | -999 | -999 | 10 | 140 | 0.44 | 0.22 | 0.04 | 0.05 | 78.1 | 1 | 97 | 4.68 | 4.4 | 8.57 | 0.15 | 3.8 |
| D | MHS035 | AD12034530 | 15/03/2012 | -0.0005 | 0.00015 | 0.00023 | 0.64 | 1.53 | 0.06 | 1.7 | -999 | -999 | -999 | -10 | 80 | 0.3 | 0.15 | 0.02 | 0.03 | 67.1 | 0.7 | 105 | 2.77 | 4.9 | 5.47 | 0.15 | 3.6 |
| D | MHS036 | AD12034530 | 15/03/2012 | -0.0005 | 0.0001 | 0.00016 | 0.42 | 0.61 | 0.06 | 0.9 | -999 | -999 | -999 | -10 | 50 | 0.18 | 0.08 | 0.03 | 0.04 | 52.3 | 0.6 | 111 | 1.26 | 3.1 | 2.51 | 0.11 | 3.5 |
| D | MHS037 | AD12034530 | 15/03/2012 | 0.0006 | 0.00022 | 0.0003 | 0.85 | 2.52 | 0.04 | 3.5 | -999 | -999 | -999 | -10 | 150 | 0.54 | 0.21 | 0.03 | -0.02 | 91.6 | 0.9 | 164 | 4.63 | 3.5 | 9.04 | 0.14 | 4.2 |
| D | MHS038 | AD12034530 | 15/03/2012 | 0.0009 | 0.00017 | 0.00025 | 0.52 | 1.79 | 0.04 | 2 | -999 | -999 | -999 | -10 | 110 | 0.39 | 0.16 | 0.02 | -0.02 | 74.1 | 0.6 | 84 | 3.28 | 2.9 | 6.22 | 0.14 | 4.1 |
| D | MHS039 | AD12034530 | 15/03/2012 | 0.0006 | 0.00034 | 0.00025 | 2.97 | 5.49 | 0.03 | 7.3 | -999 | -999 | -999 | 30 | 280 | 1.4 | 0.38 | 0.09 | 0.03 | 75.3 | 7.5 | 902 | 11.75 | 13.4 | 18.75 | 0. | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|------------|---------|---------|---------|------|------|------|-----|----------|----------|----------|-----|-----|-------|------|------|-------|------|------|-------|------|------|-------|-------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | MHS058 | AD12034530 | 15/03/2012 | -0.0005 | 0.00009 | 0.00013 | 0.49 | 0.66 | 0.11 | 1.3 | -999 | -999 | -999 | 20 | 40 | 0.17 | 0.15 | 0.03 | 0.15 | 47.7 | 0.4 | 40 | 1.35 | 8.3 | 2.46 | 0.13 | 1.6 |
| D | MHS059 | AD12034530 | 15/03/2012 | 0.0005 | 0.00014 | 0.00014 | 0.67 | 1.03 | 0.08 | 2.5 | -999 | -999 | -999 | 30 | 70 | 0.28 | 0.12 | 0.14 | 0.15 | 60.7 | 0.4 | 28 | 2.56 | 9.7 | 4.84 | 0.15 | 3 |
| D | MHS060 | AD12034530 | 15/03/2012 | 0.0007 | 0.00012 | 0.00015 | 0.27 | 0.81 | 0.07 | 0.9 | -999 | -999 | -999 | 20 | 60 | 0.23 | 0.07 | 0.04 | 0.04 | 55.6 | 0.3 | 31 | 1.55 | 3.3 | 3.7 | 0.13 | 4.4 |
| D | MHS061 | AD12034530 | 15/03/2012 | 0.0011 | 0.00008 | 0.00008 | 0.33 | 0.56 | 0.09 | 1.9 | -999 | -999 | -999 | 20 | 70 | 0.13 | 0.16 | 0.6 | 0.2 | 32.5 | 0.3 | 14 | 1.07 | 9.3 | 2.1 | 0.12 | 1.4 |
| D | MHS062 | AD12034530 | 15/03/2012 | -0.0005 | 0.00023 | 0.00018 | 1.78 | 3.11 | 0.07 | 4.3 | -999 | -999 | -999 | 30 | 120 | 0.47 | 0.12 | 0.03 | -0.02 | 79.2 | 1 | 49 | 3.71 | 3.2 | 9.84 | 0.15 | 4.4 |
| D | MHS063 | AD12034530 | 15/03/2012 | -0.0005 | 0.00024 | 0.0002 | 2.18 | 3.42 | 0.05 | 4.4 | -999 | -999 | -999 | 50 | 170 | 0.75 | 0.13 | 0.07 | 0.03 | 88 | 0.8 | 42 | 4.23 | 3.9 | 11.65 | 0.17 | 4.4 |
| D | MHS064 | AD12034530 | 15/03/2012 | 0.0009 | 0.00021 | 0.00021 | 1.12 | 2 | 0.05 | 3.3 | -999 | -999 | -999 | 30 | 100 | 0.47 | 0.09 | 0.02 | 0.03 | 92.8 | 0.6 | 32 | 3.45 | 2.9 | 8.95 | 0.15 | 5.3 |
| D | MHS065 | AD12034530 | 15/03/2012 | -0.0005 | 0.00013 | 0.00018 | 0.31 | 1.16 | 0.06 | 1.1 | -999 | -999 | -999 | 30 | 70 | 0.27 | 0.06 | 0.02 | 0.04 | 74.6 | 0.3 | 21 | 1.76 | 2.4 | 4.3 | 0.14 | 5.5 |
| D | MHS066 | AD12034530 | 15/03/2012 | 0.0006 | 0.00017 | 0.00018 | 0.41 | 1.84 | 0.09 | 1.4 | -999 | -999 | -999 | 30 | 120 | 0.42 | 0.07 | 0.02 | 0.06 | 76.6 | 0.4 | 24 | 2.5 | 2 | 6.51 | 0.14 | 5.1 |
| D | MHS067 | AD12034530 | 15/03/2012 | 0.0007 | 0.00011 | 0.00015 | 0.32 | 0.87 | 0.09 | 0.8 | -999 | -999 | -999 | 20 | 60 | 0.24 | 0.05 | 0.02 | 0.04 | 61.3 | 0.3 | 21 | 1.61 | 1.9 | 3.47 | 0.11 | 5.7 |
| D | MHS068 | AD12034530 | 15/03/2012 | 0.0014 | 0.00006 | 0.00011 | 0.22 | 0.25 | 0.08 | 0.9 | -999 | -999 | -999 | 10 | 30 | 0.09 | 0.05 | 0.12 | 0.03 | 23.7 | 0.3 | 14 | 0.35 | 2.9 | 0.75 | 0.11 | 3.5 |
| D | MHS069 | AD12034530 | 15/03/2012 | 0.0011 | 0.00009 | 0.00015 | 0.33 | 0.52 | 0.07 | 0.9 | -999 | -999 | -999 | 20 | 40 | 0.14 | 0.07 | 0.06 | 0.05 | 40.6 | 0.3 | 20 | 0.97 | 2.7 | 1.93 | 0.1 | 5 |
| D | MHS070 | AD12034530 | 15/03/2012 | 0.0013 | 0.00013 | 0.00019 | 0.69 | 1.41 | 0.05 | 2 | -999 | -999 | -999 | 30 | 80 | 0.28 | 0.13 | 0.02 | 0.03 | 62.8 | 4.4 | 2890 | 2.75 | 3.5 | 5.2 | 0.07 | 3.6 |
| D | MHS071 | AD12034530 | 15/03/2012 | 0.0005 | 0.00018 | 0.00019 | 1.55 | 2.39 | 0.04 | 2.5 | -999 | -999 | -999 | 30 | 110 | 0.35 | 0.21 | 0.02 | 0.06 | 59.7 | 1.8 | 585 | 4.79 | 4.5 | 8.19 | 0.1 | 2.9 |
| D | MHS076 | AD12034530 | 15/03/2012 | 0.0009 | 0.00019 | 0.00024 | 0.95 | 1.71 | 0.03 | 1.8 | -999 | -999 | -999 | 30 | 100 | 0.29 | 0.17 | 0.01 | 0.02 | 58.4 | 1.1 | 367 | 4.19 | 3.8 | 7.35 | 0.05 | 3.8 |
| D | MHS077 | AD12034530 | 15/03/2012 | 0.0006 | 0.00014 | 0.00024 | 0.54 | 1.14 | 0.03 | 1.1 | -999 | -999 | -999 | 20 | 70 | 0.22 | 0.11 | 0.07 | 0.04 | 38.2 | 0.7 | 153 | 2.38 | 4.9 | 5.3 | -0.05 | 3.2 |
| D | MHS078 | AD12034530 | 15/03/2012 | 0.0007 | 0.00011 | 0.00015 | 0.41 | 0.58 | 0.04 | 0.7 | -999 | -999 | -999 | 20 | 40 | 0.14 | 0.09 | 0.02 | 0.02 | 34 | 0.6 | 152 | 1.25 | 3.3 | 2.83 | -0.05 | 3.1 |
| D | MHS079 | AD12034530 | 15/03/2012 | 0.001 | 0.00011 | 0.00018 | 0.97 | 0.47 | 0.02 | 0.9 | -999 | -999 | -999 | 20 | 30 | 0.16 | 0.08 | 0.02 | 0.02 | 35.4 | 1 | 357 | 1.02 | 3.6 | 2.43 | -0.05 | 3.4 |
| D | MHS080 | AD12034530 | 15/03/2012 | 0.0009 | 0.00011 | 0.00015 | 0.82 | 0.73 | 0.06 | 0.8 | -999 | -999 | -999 | 20 | 50 | 0.19 | 0.09 | 0.02 | -0.02 | 47.5 | 1.5 | 518 | 1.15 | 3.8 | 3.03 | 0.05 | 3.1 |
| D | MHS081 | AD12034530 | 15/03/2012 | 0.0015 | 0.00007 | 0.0001 | 0.52 | 0.19 | 0.05 | 0.5 | -999 | -999 | -999 | 20 | 20 | 0.11 | 0.06 | 0.03 | -0.02 | 24.4 | 0.7 | 247 | 0.24 | 2.8 | 0.78 | -0.05 | 2.7 |
| D | MHS082 | AD12034530 | 15/03/2012 | 0.0008 | 0.0001 | 0.00014 | 1.19 | 0.56 | 0.06 | 0.9 | -999 | -999 | -999 | 20 | 30 | 0.12 | 0.1 | 0.04 | 0.07 | 33.6 | 0.9 | 194 | 0.88 | 6.1 | 2.11 | -0.05 | 2.6 |
| D | MHS083 | AD12034530 | 15/03/2012 | -0.0005 | 0.00013 | 0.0002 | 1.26 | 0.75 | 0.03 | 2.1 | -999 | -999 | -999 | 30 | 40 | 0.15 | 0.14 | 0.04 | 0.05 | 46.5 | 0.9 | 183 | 1.53 | 5.9 | 4.16 | 0.05 | 3.2 |
| D | MHS084 | AD12034530 | 15/03/2012 | 0.0005 | 0.00008 | 0.00013 | 0.33 | 0.93 | 0.1 | 0.6 | -999 | -999 | -999 | 10 | 40 | 0.23 | 0.1 | 0.01 | 0.04 | 111 | 0.5 | 69 | 0.73 | 4.7 | 3.04 | 0.08 | 3.2 |
| D | MHS085 | AD12034530 | 15/03/2012 | 0.0009 | 0.00012 | 0.00019 | 0.48 | 1.1 | 0.19 | 1 | -999 | -999 | -999 | 20 | 50 | 0.21 | 0.11 | 0.02 | 0.07 | 38.8 | 1.3 | 267 | 1.91 | 6.4 | 3.68 | 0.07 | 3 |
| D | MHS086 | AD12034530 | 15/03/2012 | 0.0008 | 0.00013 | 0.00019 | 0.4 | 1.16 | 0.21 | 1 | -999 | -999 | -999 | 30 | 60 | 0.22 | 0.12 | 0.02 | 0.04 | 45.6 | 1.3 | 281 | 1.67 | 5.4 | 4.22 | 0.07 | 3.5 |
| D | MHS087 | AD12034530 | 15/03/2012 | 0.0005 | 0.00009 | 0.00014 | 0.69 | 0.96 | 0.05 | 0.8 | -999 | -999 | -999 | 10 | 60 | 0.22 | 0.09 | 0.01 | -0.02 | 41.9 | 1.5 | 377 | 1.07 | 3.2 | 3.26 | 0.05 | 3.3 |
| D | MHS088 | AD12034530 | 15/03/2012 | 0.0011 | 0.00009 | 0.00011 | 0.7 | 1.36 | 0.06 | 1.2 | -999 | -999 | -999 | 10 | 70 | 0.29 | 0.09 | 0.02 | 0.04 | 34.1 | 4.3 | 2720 | 1.3 | 3.8 | 3.67 | -0.05 | 2.7 |
| D | MHS089 | AD12034530 | 15/03/2012 | -0.0005 | 0.00014 | 0.00013 | 0.81 | 2.03 | 0.08 | 2.1 | -999 | -999 | -999 | 10 | 80 | 0.29 | 0.15 | 0.03 | 0.03 | 27.9 | 1.5 | 302 | 2.23 | 5.8 | 7.2 | -0.05 | 2.4 |
| D | MHS090 | AD12034530 | 15/03/2012 | 0.001 | 0.00008 | 0.00009 | 0.55 | 0.95 | 0.09 | 1.5 | -999 | -999 | -999 | 10 | 40 | 0.15 | 0.09 | 0.16 | 0.1 | 23.8 | 1.3 | 153 | 1.11 | 8.2 | 2.75 | -0.05 | 2.1 |
| D | MHS091 | AD12034530 | 15/03/2012 | 0.0011 | 0.00012 | 0.00013 | 0.6 | 1.61 | 0.13 | 1.6 | -999 | -999 | -999 | 20 | 80 | 0.24 | 0.15 | 0.06 | 0.14 | 38.4 | 1.1 | 138 | 2.18 | 7 | 4.56 | 0.05 | 2.6 |
| D | MHS092 | AD12034530 | 15/03/2012 | -0.0005 | 0.00017 | 0.00021 | 1.18 | 2.85 | 0.09 | 3.2 | -999 | -999 | -999 | 20 | 130 | 0.47 | 0.2 | 0.02 | 0.02 | 68.6 | 1.8 | 232 | 3.07 | 6.1 | 8.26 | 0.08 | 4.1 |
| D | MHS093 | AD12034530 | 15/03/2012 | 0.0013 | 0.00019 | 0.00019 | 1.39 | 3.67 | 0.08 | 3.6 | -999 | -999 | -999 | 30 | 110 | 0.51 | 0.22 | 0.03 | 0.03 | 51.5 | 2 | 439 | 5.92 | 11.2 | 11.4 | 0.07 | 3.6 |
| D | MHS094 | AD12034530 | 15/03/2012 | 0.0013 | 0.00018 | 0.00019 | 1.13 | 3.52 | 0.03 | 2.6 | -999 | -999 | -999 | 30 | 90 | 0.49 | 0.19 | 0.01 | -0.02 | 52.6 | 2.3 | 671 | 5.28 | 6.5 | 11.25 | 0.06 | 3.8 |
| D | MHS095 | AD12034530 | 15/03/2012 | 0.001 | 0.00009 | 0.00009 | 1.03 | 0.98 | 0.04 | 1.7 | -999 | -999 | -999 | 10 | 30 | 0.14 | 0.08 | 0.03 | 0.05 | 20.4 | 1.3 | 216 | 0.71 | 6.1 | 3.35 | 0.06 | 1.9 |
| D | MHS100 | AD12034530 | 15/03/2012 | 0.0008 | 0.00004 | 0.00005 | 0.76 | 0.08 | 0.12 | 0.7 | -999 | -999 | -999 | -10 | 20 | 0.06 | 0.03 | 0.1 | 0.08 | 4.97 | 0.9 | 213 | 0.17 | 8.7 | 0.29 | -0.05 | 0.8 |
| D | MHS101 | AD12034530 | 15/03/2012 | 0.0012 | 0.00014 | 0.00028 | 0.88 | 1.64 | 0.08 | 2.9 | -999 | -999 | -999 | 20 | 90 | 0.31 | 0.13 | 0.02 | -0.02 | 59.5 | 3 | 674 | 2.62 | 7.1 | 5.51 | 0.08 | 3.6 |
| D | MHS102 | AD12034530 | 15/03/2012 | 0.0008 | 0.00007 | 0.00009 | 0.65 | 0.41 | 0.04 | 1.2 | -999 | -999 | -999 | 10 | 20 | 0.12 | 0.05 | 0.02 | -0.02 | 20.9 | 1.4 | 411 | 0.52 | 3.6 | 1.5 | -0.05 | 1.9 |
| D | MHS103 | AD12034530 | 15/03/2012 | 0.0009 | 0.00019 | 0.00021 | 2.73 | 4.08 | 0.06 | 6 | -999 | -999 | -999 | 20 | 140 | 0.57 | 0.26 | 0.02 | -0.02 | 53.3 | 2.3 | 342 | 3.07 | 13 | 11.2 | 0.07 | 4 |
| D | MHS104 | AD12034530 | 15/03/2012 | 0.0007 | 0.00014 | 0.00016 | 1.43 | 2.98 | 0.11 | 4 | -999 | -999 | -999 | 10 | 120 | 0.47 | 0.2 | 0.02 | 0.02 | 44.4 | 1.3 | 158 | 2.55 | 9.3 | 7.9 | 0.06 | 3.2 |
| D | MHS105 | AD12034530 | 15/03/2012 | 0.0009 | 0.00006 | 0.00009 | 0.36 | 0.35 | 0.05 | 0.8 | -999 | -999 | -999 | 10 | 20 | 0.12 | 0.06 | 0.01 | 0.02 | 16.8 | 0.7 | 202 | 0.49 | 2.6 | 1.25 | 0.09 | 1.7 |
| D | MHS106 | AD12034530 | 15/03/2012 | 0.0012 | 0.00011 | 0.00013 | 3.27 | 2.41 | 0.05 | 3 | -999 | -999 | -999 | 10 | 110 | 0.46 | 0.11 | 0.03 | 0.02 | 40.9 | 38.1 | -1111 | 2.23 | 17.2 | 5.98 | 0.15 | 2.5 |
| D | MHS107 | AD12034530 | 15/03/2012 | -0.0005 | 0.00002 | 0.00004 | 18 | 0.42 | 0.06 | 1.7 | -999 | -999 | -999 | -10 | 10 | 0.06 | 0.03 | 0.02 | 0.04 | 3.98 | 600 | -1111 | 0.32 | 1.5 | 1.3 | 0.41 | 0.2 |
| D | MHS108 | AD12034530 | 15/03/2012 | -0.0005 | 0.00002 | 0.00004 | 20.1 | 0.67 | 0.04 | 3.6 | -999 | -999 | -999 | -10 | 10 | 0.06 | 0.04 | 0.02 | 0.06 | 4.03 | 266 | -1111 | 0.26 | 1.9 | 2.01 | 0.51 | 0.2 |
| D | MHS109 | AD12034530 | 15/03/2012 | -0.0005 | 0.00003 | 0.00005 | 26.4 | 0.74 | 0.06 | 3.1 | -999 | -999 | -999 | -10 | 30 | -0.05 | 0.1 | 0.07 | 0.14 | 5.92 | 380 | -1111 | 0.19 | 4.3 | 1.78 | 0.48 | 0.3 |
| D | MHS110 | AD12034530 | 15/03/2012 | -0.0005 | 0.00004 | 0.00005 | 26.2 | 0.86 | 0.06 | 3.7 | -999 | -999 | -999 | 10 | 30 | -0.05 | 0.12 | 0.05 | 0.17 | 8.01 | 487 | -1111 | 0.24 | 3.8 | 1.87 | 0.44 | 0.4 |
| D | MHS111 | AD12034530 | 15/03/2012 | -0.0005 | 0.00002 | 0.00003 | 15.7 | 0.36 | 0.04 | 2 | -999 | -999 | -999 | 10 | 10 | -0.05 | 0.02 | 0.02 | 0.04 | 3.68 | 378 | -1111 | 0.19 | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|------------|---------|---------|---------|------|------|------|------|----------|----------|----------|-----|-----|-------|------|------|-------|------|------|-------|-------|------|-------|-------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | MHS130 | AD12034530 | 15/03/2012 | 0.0012 | 0.00013 | 0.00016 | 1.52 | 2.01 | 0.12 | 2.6 | -999 | -999 | -999 | 30 | 160 | 0.6 | 0.09 | 0.04 | 0.06 | 47 | 14.8 | -1111 | 3.1 | 8.7 | 5.56 | 0.14 | 3.1 |
| D | MHS131 | AD12034530 | 15/03/2012 | 0.0011 | 0.00008 | 0.0001 | 1.41 | 0.91 | 0.03 | 2.4 | -999 | -999 | -999 | 10 | 60 | 0.21 | 0.06 | 0.03 | 0.02 | 26.5 | 31.5 | -1111 | 1.42 | 2.5 | 2.86 | 0.14 | 1.9 |
| D | MHS132 | AD12034530 | 15/03/2012 | 0.0011 | 0.0001 | 0.00011 | 3.57 | 1.39 | 0.05 | 5 | -999 | -999 | -999 | 10 | 80 | 0.38 | 0.09 | 0.1 | 0.03 | 26.5 | 41 | -1111 | 2.19 | 3.7 | 4.21 | 0.16 | 2 |
| D | MHS133 | AD12034530 | 15/03/2012 | 0.0011 | 0.00009 | 0.0001 | 1.77 | 1.07 | 0.06 | 2.6 | -999 | -999 | -999 | -10 | 70 | 0.33 | 0.08 | 0.04 | 0.04 | 22.9 | 24.3 | 8620 | 1.5 | 4.3 | 3.12 | 0.13 | 1.8 |
| D | MHS134 | AD12034530 | 15/03/2012 | 0.0009 | 0.00005 | 0.00005 | 1.08 | 0.63 | 0.03 | 2.7 | -999 | -999 | -999 | -10 | 30 | 0.14 | 0.05 | 0.18 | 0.04 | 8.96 | 21.2 | -1111 | 1.46 | 2.3 | 2 | 0.1 | 0.9 |
| D | MHS135 | AD12034530 | 15/03/2012 | -0.0005 | 0.00003 | 0.00005 | 0.38 | 0.1 | 0.04 | 1.4 | -999 | -999 | -999 | -10 | 10 | 0.06 | 0.03 | 0.01 | 0.03 | 6.51 | 0.6 | 212 | 0.17 | 1.5 | 0.35 | 0.11 | 1.2 |
| D | MHS136 | AD12034530 | 15/03/2012 | 0.0008 | 0.00003 | 0.00004 | 0.46 | 0.08 | 0.05 | 1.7 | -999 | -999 | -999 | -10 | 10 | -0.05 | 0.08 | 0.04 | 0.1 | 4.67 | 0.5 | 152 | 0.11 | 2.5 | 0.26 | 0.11 | 0.5 |
| D | MHS137 | AD12034530 | 15/03/2012 | 0.0007 | 0.00002 | 0.00005 | 0.62 | 0.06 | 0.03 | 1.2 | -999 | -999 | -999 | -10 | 10 | 0.05 | 0.02 | 0.04 | 0.03 | 5.35 | 0.6 | 285 | 0.09 | 1.8 | 0.2 | 0.09 | 0.6 |
| D | MHS138 | AD12034530 | 15/03/2012 | 0.0006 | 0.00002 | 0.00005 | 0.44 | 0.05 | 0.04 | 1 | -999 | -999 | -999 | -10 | 10 | -0.05 | 0.02 | 0.01 | 0.02 | 3.9 | 0.8 | 390 | 0.1 | 1.6 | 0.17 | 0.11 | 0.6 |
| D | MHS139 | AD12034530 | 15/03/2012 | 0.0008 | 0.00003 | 0.00005 | 0.92 | 0.07 | 0.05 | 1.3 | -999 | -999 | -999 | -10 | 10 | 0.08 | 0.03 | 0.02 | -0.02 | 4.96 | 0.7 | 298 | 0.12 | 1.9 | 0.34 | 0.1 | 0.8 |
| D | MHS140 | AD12034530 | 15/03/2012 | 0.0009 | 0.0004 | 0.00032 | 3.06 | 7.12 | 0.06 | 12.7 | -999 | -999 | -999 | 50 | 500 | 1.92 | 0.43 | 0.03 | 0.02 | 90.1 | 2.3 | 82 | 10.95 | 20.5 | 20.6 | 0.12 | 3.8 |
| D | MHS141 | AD12034530 | 15/03/2012 | 0.0007 | 0.00024 | 0.0003 | 0.74 | 2.77 | 0.07 | 2.2 | -999 | -999 | -999 | 30 | 220 | 0.72 | 0.16 | 0.02 | 0.02 | 84.1 | 0.8 | 61 | 5.38 | 4.3 | 9.58 | 0.07 | 5.2 |
| D | MHS142 | AD12034530 | 15/03/2012 | 0.0009 | 0.00017 | 0.00029 | 0.66 | 1.78 | 0.06 | 2.1 | -999 | -999 | -999 | 20 | 130 | 0.41 | 0.13 | 0.02 | 0.03 | 77.7 | 0.6 | 40 | 4.04 | 4.6 | 6.92 | 0.06 | 3.7 |
| D | MHS143 | AD12034530 | 15/03/2012 | 0.0008 | 0.00022 | 0.0003 | 1.33 | 2.6 | 0.05 | 3.7 | -999 | -999 | -999 | 20 | 170 | 0.62 | 0.18 | 0.02 | 0.02 | 81.8 | 0.8 | 56 | 5.46 | 4 | 9.41 | 0.07 | 4.4 |
| D | MHS144 | AD12034530 | 15/03/2012 | 0.001 | 0.00015 | 0.0002 | 0.44 | 1.61 | 0.06 | 1.2 | -999 | -999 | -999 | 20 | 140 | 0.49 | 0.1 | 0.02 | 0.05 | 61 | 0.6 | 39 | 3.63 | 4.2 | 5.49 | 0.06 | 3.5 |
| D | MHS145 | AD12034530 | 15/03/2012 | 0.0005 | 0.00013 | 0.00023 | 0.37 | 1.17 | 0.05 | 1.2 | -999 | -999 | -999 | 10 | 90 | 0.39 | 0.09 | 0.03 | 0.03 | 71.4 | 0.6 | 38 | 2.89 | 3.4 | 4.45 | 0.08 | 3.9 |
| D | MHS150 | AD12034530 | 15/03/2012 | 0.0006 | 0.00013 | 0.0002 | 0.47 | 1.11 | 0.08 | 1.3 | -999 | -999 | -999 | 20 | 90 | 0.34 | 0.09 | 0.02 | 0.03 | 57.9 | 0.5 | 36 | 2.24 | 3.9 | 3.95 | -0.05 | 4 |
| D | MHS151 | AD12034530 | 15/03/2012 | 0.0009 | 0.00023 | 0.00025 | 1.18 | 3.35 | 0.09 | 5.7 | -999 | -999 | -999 | 40 | 240 | 0.82 | 0.21 | 0.03 | 0.1 | 67.8 | 1 | 61 | 5.88 | 9.8 | 10.35 | 0.07 | 4 |
| D | MHS152 | AD12034530 | 15/03/2012 | -0.0005 | 0.00014 | 0.00016 | 0.64 | 1.89 | 0.14 | 1.4 | -999 | -999 | -999 | 20 | 130 | 0.55 | 0.11 | 0.02 | 0.07 | 55.7 | 0.8 | 52 | 4.75 | 5 | 5.62 | 0.06 | 3.6 |
| D | MHS153 | AD12034530 | 15/03/2012 | -0.0005 | 0.00007 | 0.00013 | 0.32 | 0.56 | 0.1 | 0.8 | -999 | -999 | -999 | 10 | 40 | 0.19 | 0.04 | 0.02 | -0.02 | 45.6 | 0.3 | 43 | 1.1 | 2.1 | 1.97 | 0.05 | 5.6 |
| D | MHS154 | AD12034530 | 15/03/2012 | 0.0005 | 0.00011 | 0.00015 | 0.65 | 1.11 | 0.12 | 1.3 | -999 | -999 | -999 | 10 | 80 | 0.36 | 0.07 | 0.02 | 0.02 | 47.7 | 0.5 | 30 | 2.29 | 3 | 3.79 | 0.06 | 3.7 |
| D | MHS155 | AD12034530 | 15/03/2012 | -0.0005 | 0.00009 | 0.00016 | 0.35 | 1.14 | 0.14 | 0.8 | -999 | -999 | -999 | 10 | 80 | 0.36 | 0.07 | 0.02 | 0.02 | 48.6 | 0.4 | 36 | 2.18 | 2.4 | 3.74 | 0.07 | 4.6 |
| D | MHS156 | AD12034530 | 15/03/2012 | -0.0005 | 0.00009 | 0.00016 | 0.53 | 0.44 | 0.08 | 0.6 | -999 | -999 | -999 | 10 | 40 | 0.15 | 0.07 | 0.01 | 0.03 | 40.6 | 0.4 | 27 | 1.07 | 2.7 | 1.78 | 0.08 | 3.9 |
| D | MHS157 | AD12034530 | 15/03/2012 | -0.0005 | 0.00006 | 0.00014 | 0.95 | 0.18 | 0.27 | 0.9 | -999 | -999 | -999 | 10 | 30 | 0.07 | 0.06 | 0.07 | 0.06 | 25.6 | 0.5 | 55 | 0.2 | 5.4 | 0.65 | -0.05 | 3 |
| D | MHS158 | AD12034530 | 15/03/2012 | -0.0005 | 0.00009 | 0.00015 | 0.35 | 0.55 | 0.39 | 0.4 | -999 | -999 | -999 | 10 | 40 | 0.27 | 0.04 | 0.02 | 0.03 | 43.6 | 0.3 | 33 | 0.71 | 3.4 | 1.93 | 0.05 | 4.7 |
| D | MHS159 | AD12034530 | 15/03/2012 | 0.0006 | 0.00008 | 0.00015 | 0.36 | 0.67 | 0.23 | 0.7 | -999 | -999 | -999 | 20 | 50 | 0.24 | 0.04 | 0.02 | 0.04 | 38.8 | 0.3 | 26 | 0.93 | 3.8 | 2.14 | 0.05 | 4.1 |
| D | MHS160 | AD12034530 | 15/03/2012 | -0.0005 | 0.00006 | 0.00011 | 0.26 | 0.43 | 0.19 | 0.9 | -999 | -999 | -999 | 10 | 30 | 0.15 | 0.04 | 0.02 | 0.04 | 35.2 | 0.3 | 18 | 0.61 | 2.8 | 1.4 | -0.05 | 3.1 |
| D | MHS161 | AD12034530 | 15/03/2012 | 0.0005 | 0.00008 | 0.00014 | 0.8 | 0.65 | 0.15 | 1 | -999 | -999 | -999 | 10 | 40 | 0.18 | 0.04 | 0.01 | 0.04 | 41.8 | 0.4 | 21 | 1.01 | 3.3 | 2.17 | 0.05 | 3.6 |
| D | MHS162 | AD12034530 | 15/03/2012 | -0.0005 | 0.00013 | 0.00021 | 0.75 | 1.32 | 0.24 | 0.9 | -999 | -999 | -999 | 10 | 90 | 0.36 | 0.08 | 0.03 | 0.02 | 53.3 | 0.5 | 46 | 2.6 | 5 | 4.81 | 0.07 | 2.4 |
| D | MHS163 | AD12034530 | 15/03/2012 | 0.0009 | 0.00013 | 0.00021 | 0.41 | 1.04 | 0.18 | 1 | -999 | -999 | -999 | 20 | 80 | 0.28 | 0.06 | 0.03 | 0.02 | 56.1 | 0.3 | 33 | 2.65 | 4 | 4.7 | 0.06 | 2.6 |
| D | MHS164 | AD12034530 | 15/03/2012 | -0.0005 | 0.00009 | 0.00018 | 0.32 | 0.61 | 0.15 | 0.7 | -999 | -999 | -999 | 20 | 50 | 0.19 | 0.06 | 0.02 | 0.05 | 49.3 | 0.3 | 26 | 1.54 | 3.8 | 2.44 | -0.05 | 2.5 |
| D | MHS165 | AD12034530 | 15/03/2012 | 0.0009 | 0.00009 | 0.00014 | 0.42 | 0.36 | 0.12 | 0.8 | -999 | -999 | -999 | 10 | 30 | 0.14 | 0.07 | 0.01 | 0.04 | 29.3 | 0.3 | 33 | 0.57 | 2.8 | 1.42 | -0.05 | 3.3 |
| D | MHS166 | AD12034530 | 15/03/2012 | 0.0013 | 0.00008 | 0.00013 | 0.41 | 0.34 | 0.09 | 0.6 | -999 | -999 | -999 | 10 | 30 | 0.13 | 0.06 | 0.04 | 0.05 | 25 | 0.3 | 22 | 0.65 | 3.4 | 1.37 | -0.05 | 2.7 |
| D | MHS167 | AD12034530 | 15/03/2012 | 0.001 | 0.00011 | 0.00015 | 0.97 | 0.58 | 0.06 | 0.8 | -999 | -999 | -999 | 10 | 40 | 0.2 | 0.07 | 0.02 | 0.03 | 41 | 0.5 | 57 | 1.67 | 3 | 2.83 | 0.07 | 3.4 |
| D | MHS168 | AD12034530 | 15/03/2012 | -0.0005 | 0.00009 | 0.00013 | 0.39 | 0.6 | 0.04 | 0.4 | -999 | -999 | -999 | 10 | 50 | 0.2 | 0.05 | 0.02 | -0.02 | 31 | 0.4 | 43 | 1.6 | 2.6 | 2.54 | 0.05 | 3.7 |
| D | MHS169 | AD12034530 | 15/03/2012 | -0.0005 | 0.00009 | 0.00011 | 0.42 | 0.67 | 0.07 | 1.6 | -999 | -999 | -999 | 20 | 50 | 0.2 | 0.05 | 0.01 | 0.02 | 29.7 | 0.4 | 42 | 1.61 | 2.5 | 2.77 | -0.05 | 3.4 |
| D | MHS170 | AD12034530 | 15/03/2012 | 0.0005 | 0.00025 | 0.00024 | 1.05 | 3.53 | 0.06 | 4.3 | -999 | -999 | -999 | 30 | 240 | 1.02 | 0.19 | 0.01 | 0.02 | 70.2 | 0.7 | 71 | 7.04 | 4.5 | 12.75 | 0.1 | 3.7 |
| D | MHS175 | AD12036104 | 20/03/2012 | 0.0007 | 0.00026 | 0.00028 | 2.38 | 3.69 | 0.04 | 8.5 | -999 | -999 | -999 | 20 | 290 | 0.99 | 0.23 | 0.02 | -0.02 | 83.9 | 2 | 71 | 7.8 | 7.8 | 13.75 | 0.13 | 3.6 |
| D | MHS176 | AD12036104 | 20/03/2012 | 0.0005 | 0.00031 | 0.00026 | 2.55 | 5.57 | 0.04 | 9.9 | -999 | -999 | -999 | 30 | 440 | 1.54 | 0.31 | 0.01 | -0.02 | 91.8 | 4.2 | 87 | 9.84 | 19.4 | 17.1 | 0.12 | 3.7 |
| D | MHS177 | AD12036104 | 20/03/2012 | -0.0005 | 0.00034 | 0.00029 | 2.92 | 6.08 | 0.05 | 11.4 | -999 | -999 | -999 | 40 | 460 | 1.66 | 0.35 | 0.02 | 0.02 | 92.6 | 4.7 | 105 | 10.65 | 18.5 | 18.45 | 0.13 | 3.8 |
| D | MHS178 | AD12036104 | 20/03/2012 | 0.0005 | 0.00023 | 0.00028 | 1.73 | 3.03 | 0.03 | 4.6 | -999 | -999 | -999 | 10 | 210 | 0.63 | 0.19 | 0.01 | 0.02 | 93 | 0.9 | 55 | 7 | 5 | 10.75 | 0.16 | 3.7 |
| D | MHS179 | AD12036104 | 20/03/2012 | 0.0007 | 0.00019 | 0.00024 | 0.7 | 2.44 | 0.14 | 1.2 | -999 | -999 | -999 | 20 | 230 | 0.73 | 0.13 | 0.02 | 0.02 | 70.2 | 0.7 | 38 | 4.03 | 3.2 | 8.25 | 0.1 | 3.4 |
| D | MHS180 | AD12036104 | 20/03/2012 | 0.0005 | 0.00018 | 0.00024 | 0.63 | 1.89 | 0.06 | 1.7 | -999 | -999 | -999 | 10 | 150 | 0.53 | 0.11 | 0.02 | -0.02 | 79.5 | 0.6 | 42 | 4.31 | 2.6 | 7.89 | 0.12 | 4.2 |
| D | MHS181 | AD12036104 | 20/03/2012 | 0.0005 | 0.00008 | 0.00014 | 1.23 | 0.28 | 0.04 | 0.5 | -999 | -999 | -999 | -10 | 30 | 0.1 | 0.12 | 0.05 | -0.02 | 37.2 | 0.6 | 73 | 0.52 | 2.9 | 1.12 | 0.08 | 4.3 |
| D | MHS182 | AD12036104 | 20/03/2012 | 0.0006 | 0.00015 | 0.00023 | 1.34 | 0.99 | 0.03 | 1.1 | -999 | -999 | -999 | 10 | 70 | 0.22 | 0.18 | 0.05 | -0.02 | 75 | 0.7 | 56 | 2.57 | 3.6 | 4.32 | 0.17 | 4 |
| D | MHS183 | AD12036104 | 20/03/2012 | -0.0005 | 0.00006 | 0.00011 | 1.15 | 0.38 | 0.12 | 0.4 | -999 | -999 | -999 | -10 | 30 | 0.11 | 0.17 | 0.02 | 0.03 | 32.5 | 0.6 | 91 | 0.8 | 2.3 | 1.43 | 0.08 | 4 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|------------|---------|---------|---------|-------|------|------|-------|----------|----------|----------|-----|-----|------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | MHS195 | AD12036104 | 20/03/2012 | -0.0005 | 0.00009 | 0.00015 | 1.06 | 0.69 | 0.05 | 0.7 | -999 | -999 | -999 | -10 | 40 | 0.16 | 0.22 | 0.01 | 0.02 | 50.3 | 0.5 | 40 | 1.46 | 1.8 | 2.41 | 0.1 | 6 |
| D | MHS200 | AD12036104 | 20/03/2012 | 0.0006 | 0.00012 | 0.00015 | 1.06 | 0.77 | 0.07 | 0.7 | -999 | -999 | -999 | -10 | 60 | 0.23 | 0.15 | 0.02 | 0.02 | 39.9 | 0.6 | 61 | 1.3 | 2.8 | 2.1 | 0.1 | 6.8 |
| D | MHS201 | AD12036104 | 20/03/2012 | 0.0005 | 0.00012 | 0.00016 | 0.75 | 1.17 | 0.06 | 0.5 | -999 | -999 | -999 | -10 | 80 | 0.27 | 0.19 | 0.01 | -0.02 | 59.4 | 0.5 | 40 | 1.95 | 1.9 | 4.08 | 0.13 | 5.6 |
| D | MHS202 | AD12036104 | 20/03/2012 | 0.0006 | 0.00031 | 0.00025 | 3.28 | 5.8 | 0.06 | 7.6 | -999 | -999 | -999 | -20 | 520 | 1.42 | 0.32 | 0.01 | -0.02 | 85.2 | 2.2 | 113 | 7.37 | 14.3 | 15.4 | 0.17 | 4.4 |
| D | MHS203 | AD12036104 | 20/03/2012 | 0.0007 | 0.00009 | 0.00013 | 0.98 | 0.28 | 0.06 | 0.9 | -999 | -999 | -999 | -10 | 30 | 0.19 | 0.25 | 0.02 | 0.04 | 42.3 | 1.6 | 602 | 0.37 | 6 | 1.02 | 0.11 | 3.2 |
| D | MHS204 | AD12036104 | 20/03/2012 | 0.0011 | 0.00012 | 0.00015 | 1.88 | 0.69 | 0.04 | 1.6 | -999 | -999 | -999 | -10 | 60 | 0.23 | 0.23 | 0.02 | 0.02 | 62.2 | 5.3 | 3210 | 1.01 | 4.9 | 2.77 | 0.14 | 3.3 |
| D | MHS205 | AD12036104 | 20/03/2012 | 0.0005 | 0.00016 | 0.00019 | 1.73 | 2.17 | 0.12 | 3.4 | -999 | -999 | -999 | -10 | 110 | 0.39 | 0.32 | 0.01 | -0.02 | 58.9 | 6.3 | 2620 | 3.06 | 5.3 | 7.4 | 0.11 | 4 |
| D | MHS206 | AD12036104 | 20/03/2012 | 0.0007 | 0.00024 | 0.0002 | 1.81 | 9.18 | 0.04 | 10.4 | -999 | -999 | -999 | -20 | 240 | 1.72 | 0.25 | 0.01 | -0.02 | 65.2 | 1.6 | 78 | 4.11 | 24.8 | 20.8 | 0.13 | 5.2 |
| D | MHS207 | AD12036104 | 20/03/2012 | -0.0005 | 0.00019 | 0.00016 | 2.95 | 5.79 | 0.09 | 5.7 | -999 | -999 | -999 | -10 | 160 | 0.92 | 0.25 | 0.01 | 0.03 | 58.6 | 6.5 | 2310 | 3.76 | 27.5 | 14.15 | 0.14 | 4.2 |
| D | MHS208 | AD12036104 | 20/03/2012 | -0.0005 | 0.00024 | 0.00021 | 2.82 | 5.25 | 0.1 | 11.6 | -999 | -999 | -999 | -30 | 290 | 1.06 | 0.32 | 0.03 | 0.07 | 57.5 | 8.6 | 3200 | 14.5 | 53.8 | 14.45 | 0.18 | 4.4 |
| D | MHS209 | AD12036104 | 20/03/2012 | 0.0006 | 0.00016 | 0.00023 | 3.88 | 3.82 | 0.06 | 12.2 | -999 | -999 | -999 | -20 | 330 | 1.32 | 0.24 | 0.04 | 0.09 | 71.7 | 12.1 | 3090 | 5.51 | 30.5 | 9.27 | 0.23 | 3.6 |
| D | MHS210 | AD12036104 | 20/03/2012 | 0.001 | 0.00023 | 0.00023 | 5.76 | 5.24 | 0.11 | 17.6 | -999 | -999 | -999 | -20 | 340 | 1.5 | 0.39 | 0.05 | 0.05 | 55.9 | 7.1 | 790 | 9.01 | 53.1 | 14.3 | 0.32 | 3.5 |
| D | MHS211 | AD12036104 | 20/03/2012 | 0.0012 | 0.00017 | 0.00015 | 7.2 | 4.66 | 0.11 | 11.9 | -999 | -999 | -999 | -10 | 270 | 1.12 | 0.29 | 0.02 | 0.11 | 34.5 | 77 | -1111 | 6.19 | 25.7 | 11.65 | 0.22 | 3.4 |
| D | MHS212 | AD12036104 | 20/03/2012 | -0.0005 | 0.00021 | 0.00018 | 8.33 | 6.98 | 0.04 | 2.2 | -999 | -999 | -999 | -10 | 90 | 0.74 | 0.27 | 0.04 | 0.07 | 15.65 | 11.4 | 504 | 4.74 | 101.5 | 18.95 | 0.35 | 3.5 |
| D | MHS213 | AD12036104 | 20/03/2012 | -0.0005 | 0.00019 | 0.00032 | 2.07 | 2.85 | 0.17 | 11.6 | -999 | -999 | -999 | -40 | 320 | 0.7 | 0.36 | 0.03 | -0.02 | 71 | 1.4 | 265 | 5.48 | 12.1 | 10.6 | 0.15 | 3.8 |
| D | MHS214 | AD12036104 | 20/03/2012 | 0.0009 | 0.00017 | 0.00049 | 1.45 | 2.2 | 0.21 | 2.7 | -999 | -999 | -999 | -30 | 220 | 0.55 | 0.34 | 0.04 | 0.03 | 58.5 | 1.8 | 368 | 5.05 | 10.8 | 8.7 | 0.17 | 3.2 |
| D | MHS215 | AD12036104 | 20/03/2012 | 0.0008 | 0.00012 | 0.00025 | 5.83 | 0.97 | 0.07 | 9.8 | -999 | -999 | -999 | -10 | 100 | 0.29 | 0.28 | 0.03 | 0.03 | 51 | 67.2 | -1111 | 1.49 | 10.7 | 4.22 | 0.24 | 3.5 |
| D | MHS216 | AD12036104 | 20/03/2012 | 0.0008 | 0.00025 | 0.00043 | 13.4 | 4.69 | 0.09 | 16.5 | -999 | -999 | -999 | -30 | 180 | 0.58 | 0.33 | 0.02 | 0.02 | 52.1 | 48 | -1111 | 7.32 | 25.3 | 15.95 | 0.25 | 4.1 |
| D | MHS217 | AD12036104 | 20/03/2012 | -0.0005 | 0.00015 | 0.00015 | 11 | 0.58 | 0.06 | 10.3 | -999 | -999 | -999 | -10 | 20 | 0.1 | 0.11 | 0.02 | 0.04 | 23.4 | 71.7 | -1111 | 0.33 | 6.9 | 3.84 | 0.15 | 2 |
| D | MHS218 | AD12036104 | 20/03/2012 | -0.0005 | 0.00016 | 0.00018 | 2.08 | 3.97 | 0.03 | 3.6 | -999 | -999 | -999 | -10 | 100 | 0.64 | 0.13 | 0.01 | -0.02 | 49.4 | 3.5 | 577 | 1.91 | 8.2 | 11.35 | 0.07 | 4.3 |
| D | MHS219 | AD12036104 | 20/03/2012 | 0.0006 | 0.00016 | 0.00047 | 1.78 | 2.81 | 0.05 | 2.8 | -999 | -999 | -999 | -20 | 200 | 0.86 | 0.12 | 0.02 | 0.03 | 45.3 | 5.7 | 2500 | 4.38 | 10.8 | 8.47 | 0.09 | 3.3 |
| D | MHS220 | AD12036104 | 20/03/2012 | 0.0009 | 0.00015 | 0.00016 | 2.05 | 3.06 | 0.01 | 4.3 | -999 | -999 | -999 | -10 | 240 | 0.75 | 0.13 | 0.03 | 0.02 | 47.9 | 2.9 | 961 | 3.78 | 9.4 | 8.17 | 0.1 | 3.2 |
| D | MHS225 | AD12036104 | 20/03/2012 | -0.0005 | 0.00017 | 0.00019 | 3.02 | 2.93 | 0.06 | 4.5 | -999 | -999 | -999 | -10 | 230 | 0.84 | 0.13 | 0.04 | 0.04 | 48.8 | 3.8 | 607 | 4.03 | 14 | 8.36 | 0.12 | 3.4 |
| D | MHS226 | AD12036104 | 20/03/2012 | 0.0005 | 0.00024 | 0.00037 | 3.49 | 4.96 | 0.06 | 4.6 | -999 | -999 | -999 | -30 | 260 | 1.64 | 0.2 | 0.05 | 0.07 | 66.4 | 10.3 | 799 | 7.23 | 27.1 | 14.35 | 0.16 | 3.4 |
| D | MHS227 | AD12036104 | 20/03/2012 | -0.0005 | 0.00028 | 0.00032 | 4.22 | 5.33 | 0.04 | 2.7 | -999 | -999 | -999 | -10 | 130 | 1.09 | 0.17 | 0.03 | 0.03 | 68.1 | 10.4 | 470 | 6.41 | 25.7 | 17.65 | 0.14 | 4.8 |
| D | MHS228 | AD12036104 | 20/03/2012 | -0.0005 | 0.00012 | 0.0002 | 11.15 | 2.75 | 0.06 | 6.3 | -999 | -999 | -999 | -10 | 180 | 1.08 | 0.14 | 0.09 | 0.2 | 44.8 | 200 | 9880 | 3.35 | 20.3 | 6.64 | 0.18 | 1.9 |
| D | MHS229 | AD12036104 | 20/03/2012 | 0.0008 | 0.00014 | 0.00014 | 1.23 | 1.54 | 0.06 | 1.4 | -999 | -999 | -999 | -10 | 80 | 0.36 | 0.11 | 0.02 | -0.02 | 28.7 | 1.8 | 220 | 1.25 | 5.8 | 4.75 | -0.05 | 3.1 |
| D | MHS230 | AD12036104 | 20/03/2012 | -0.0005 | 0.00035 | 0.00028 | 4.4 | 8.51 | 0.05 | 11.2 | -999 | -999 | -999 | -80 | 240 | 1.79 | 0.47 | 0.01 | -0.02 | 61.7 | 3.9 | 152 | 14 | 60.4 | 25.6 | 0.12 | 4.2 |
| D | MHS231 | AD12036104 | 20/03/2012 | -0.0005 | 0.00013 | 0.00019 | 2.26 | 0.78 | 0.05 | 1.5 | -999 | -999 | -999 | -10 | 80 | 0.23 | 0.07 | 0.02 | 0.02 | 30.1 | 1.5 | 361 | 1.51 | 7.3 | 3.1 | 0.06 | 3.5 |
| D | MHS232 | AD12036104 | 20/03/2012 | -0.0005 | 0.00013 | 0.00018 | 1.5 | 0.72 | 0.06 | 1.6 | -999 | -999 | -999 | -10 | 90 | 0.24 | 0.08 | 0.02 | 0.02 | 30.7 | 1 | 145 | 1.05 | 8.9 | 2.37 | 0.07 | 3.9 |
| D | MHS233 | AD12036104 | 20/03/2012 | 0.0006 | 0.0003 | 0.00042 | 2.5 | 4.49 | 0.03 | 6.4 | -999 | -999 | -999 | -30 | 200 | 0.78 | 0.26 | 0.02 | 0.02 | 47.8 | 2.4 | 206 | 9.83 | 12.2 | 17 | 0.08 | 4.4 |
| D | MHS234 | AD12036104 | 20/03/2012 | 0.0005 | 0.00025 | 0.00042 | 1.57 | 3.69 | 0.05 | 4.7 | -999 | -999 | -999 | -20 | 160 | 0.66 | 0.18 | 0.02 | -0.02 | 48 | 1.3 | 196 | 6.34 | 7.9 | 14.15 | 0.08 | 4.3 |
| D | MHS235 | AD12036104 | 20/03/2012 | 0.0006 | 0.0002 | 0.00032 | 1.97 | 2.84 | 0.06 | 4.9 | -999 | -999 | -999 | -20 | 120 | 0.69 | 0.19 | 0.02 | 0.04 | 53.8 | 1.1 | 218 | 2.94 | 6.7 | 11.8 | 0.09 | 4.3 |
| D | MHS236 | AD12036104 | 20/03/2012 | -0.0005 | 0.00021 | 0.00032 | 0.54 | 3.11 | 0.05 | 2.8 | -999 | -999 | -999 | -40 | 130 | 0.67 | 0.16 | 0.02 | 0.02 | 49.2 | 0.8 | 191 | 3.98 | 4 | 11.2 | 0.09 | 4.5 |
| D | MHS237 | AD12036104 | 20/03/2012 | 0.0005 | 0.00025 | 0.00023 | 3.22 | 5.97 | 0.08 | 8.2 | -999 | -999 | -999 | -10 | 110 | 1.19 | 0.23 | 0.01 | -0.02 | 77.5 | 0.9 | 59 | 2.94 | 9.2 | 20.8 | 0.13 | 4.2 |
| D | MHS238 | AD12036104 | 20/03/2012 | -0.0005 | 0.00016 | 0.00016 | 3.31 | 4.29 | 0.06 | 5.6 | -999 | -999 | -999 | -10 | 250 | 1.18 | 0.13 | 0.03 | 0.05 | 57.9 | 17.3 | 1360 | 2.69 | 17.5 | 11.05 | 0.1 | 3.5 |
| D | MHS239 | AD12036104 | 20/03/2012 | -0.0005 | 0.00016 | 0.00015 | 3.67 | 4.91 | 0.04 | 7 | -999 | -999 | -999 | -10 | 180 | 1.2 | 0.13 | 0.02 | 0.09 | 73.2 | 30.1 | 8370 | 4.39 | 15.2 | 11.9 | 0.1 | 3.3 |
| D | MHS240 | AD12036104 | 20/03/2012 | -0.0005 | 0.00015 | 0.00018 | 4.41 | 3.43 | 0.03 | 10.4 | -999 | -999 | -999 | -20 | 230 | 1 | 0.1 | 0.04 | 0.05 | 49.5 | 51 | -1111 | 5.03 | 16.2 | 9.35 | 0.09 | 3.1 |
| D | MHS241 | AD12036104 | 20/03/2012 | -0.0005 | 0.0002 | 0.00014 | 4.47 | 7.77 | 0.09 | 28.4 | -999 | -999 | -999 | -30 | 580 | 2.58 | 0.18 | 0.02 | 0.03 | 67.1 | 38.1 | 144 | 6.85 | 26.3 | 20.6 | 0.12 | 3.3 |
| D | MHS242 | AD12036104 | 20/03/2012 | 0.0006 | 0.00032 | 0.00026 | 3.83 | 7.5 | 0.15 | 22.6 | -999 | -999 | -999 | -60 | 420 | 1.89 | 0.31 | 0.03 | 0.06 | 63.5 | 14.6 | 1040 | 14.4 | 37.5 | 23.8 | 0.11 | 4.9 |
| D | MHS243 | AD12036104 | 20/03/2012 | -0.0005 | 0.00009 | 0.00011 | 23.8 | 3.19 | 0.05 | 25.9 | -999 | -999 | -999 | -10 | 120 | 0.84 | 0.12 | 0.13 | 0.1 | 24.7 | 274 | -1111 | 1.96 | 23.6 | 7.29 | 0.37 | 1.3 |
| D | MHS244 | AD12036104 | 20/03/2012 | 0.0005 | 0.00015 | 0.00021 | 4.01 | 4.04 | 0.06 | 4.6 | -999 | -999 | -999 | -10 | 380 | 2.21 | 0.13 | 0.03 | 0.29 | 97.7 | 66 | -1111 | 6.85 | 19 | 10.85 | 0.12 | 2.7 |
| D | MHS245 | AD12036104 | 20/03/2012 | -0.0005 | 0.00015 | 0.00019 | 7.95 | 4.2 | 0.07 | 8.5 | -999 | -999 | -999 | -20 | 300 | 1.98 | 0.2 | 0.1 | 0.39 | 76.9 | 173.5 | -1111 | 7.28 | 35.3 | 10.55 | 0.17 | 2.1 |
| D | MHS250 | AD12036104 | 20/03/2012 | 0.001 | 0.00015 | 0.0002 | 12.15 | 3.51 | 0.07 | 9.2 | -999 | -999 | -999 | -10 | 230 | 1.45 | 0.12 | 0.07 | 0.17 | 60 | 138 | -1111 | 7.11 | 20 | 8.93 | 0.2 | 2.4 |
| D | MHS251 | AD12036104 | 20/03/2012 | 0.0007 | 0.00011 | 0.00014 | 5.02 | 2.2 | 0.04 | 4.4 | -999 | -999 | -999 | -10 | 170 | 0.66 | 0.08 | 0.06 | 0.11 | 44.1 | 74.1 | -1111 | 3.53 | 11.4 | 6.13 | 0.11 | 2.1 |
| D | MHS252 | AD12036104 | 20/03/2012 | 0.0005 | 0.00017 | 0.00026 | 2.61 | 3.25 | 0.06 | 2.6</ | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|------------|---------|---------|----------|-------|------|-------|------|----------|----------|----------|-----|-----|------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | MHS264 | AD12036104 | 20/03/2012 | 0.001 | 0.00018 | 0.00023 | 1.81 | 4.11 | 0.04 | 2.7 | -999 | -999 | -999 | 10 | 140 | 0.84 | 0.19 | 0.08 | 0.05 | 49.8 | 50 | 4630 | 4.6 | 16.5 | 9.99 | 0.14 | 3 |
| D | MHS265 | AD12036104 | 20/03/2012 | -0.0005 | 0.00014 | 0.00016 | 13 | 3.5 | 0.05 | 6.3 | -999 | -999 | -999 | 10 | 120 | 0.72 | 0.15 | 0.09 | 0.02 | 42.4 | 181 | -1111 | 3.26 | 22.6 | 8.95 | 0.18 | 2.5 |
| D | MHS266 | AD12036104 | 20/03/2012 | 0.0015 | 0.0001 | 0.00016 | 10.6 | 1.73 | 0.05 | 4.8 | -999 | -999 | -999 | -10 | 70 | 0.36 | 0.09 | 0.05 | 0.03 | 36.8 | 61.8 | -1111 | 1.89 | 5.5 | 4.86 | 0.18 | 2.2 |
| D | MHS267 | AD12036104 | 20/03/2012 | 0.0012 | 0.00011 | 0.00015 | 1.4 | 1.21 | 0.02 | 1.6 | -999 | -999 | -999 | 10 | 80 | 0.34 | 0.07 | 0.04 | 0.04 | 29.8 | 25.2 | -1111 | 2.09 | 5.7 | 3.98 | 0.08 | 2.6 |
| D | MHS268 | AD12036104 | 20/03/2012 | 0.0011 | 0.00027 | 0.00025 | 1.23 | 5.07 | 0.03 | 2.1 | -999 | -999 | -999 | 30 | 240 | 0.96 | 0.25 | 0.08 | -0.02 | 50.5 | 14.7 | 5310 | 6.61 | 13.9 | 14.95 | 0.07 | 4.1 |
| D | MHS269 | AD12036104 | 20/03/2012 | -0.0005 | 0.00024 | 0.00023 | 2.68 | 4.38 | 0.13 | 10.7 | -999 | -999 | -999 | 20 | 220 | 0.89 | 0.2 | 0.03 | 0.09 | 65.5 | 3.3 | 629 | 8.88 | 32.4 | 13.05 | 0.11 | 3.8 |
| D | MHS270 | AD12036104 | 20/03/2012 | 0.0009 | 0.00018 | 0.00018 | 1.62 | 2.82 | 0.06 | 3.7 | -999 | -999 | -999 | -10 | 230 | 0.46 | 0.14 | 0.02 | 0.05 | 40.8 | 1.7 | 463 | 2.66 | 6.9 | 10.15 | 0.09 | 3.3 |
| D | MHS275 | AD12036104 | 20/03/2012 | 0.001 | 0.00011 | 0.00015 | 1.11 | 1.28 | 0.11 | 1.1 | -999 | -999 | -999 | 10 | 120 | 0.29 | 0.08 | 0.03 | 0.06 | 28.2 | 1.8 | 884 | 3.56 | 6.8 | 3.94 | 0.09 | 2.8 |
| D | MHS276 | AD12036104 | 20/03/2012 | 0.0013 | 0.0001 | 0.00064 | 0.56 | 0.46 | 0.1 | 1.5 | -999 | -999 | -999 | -10 | 60 | 0.13 | 0.09 | 0.03 | 0.05 | 16.7 | 5.2 | 2820 | 0.85 | 7.6 | 1.4 | 0.06 | 2.5 |
| D | MHS277 | AD12036104 | 20/03/2012 | 0.0037 | 0.00021 | 0.00021 | 3.85 | 4.44 | 0.12 | 9 | -999 | -999 | -999 | 20 | 220 | 0.84 | 0.21 | 0.05 | 0.12 | 51.4 | 13 | 3540 | 8.34 | 42.2 | 12.95 | 0.14 | 3.3 |
| D | MHS278 | AD12036104 | 20/03/2012 | -0.0005 | 0.00004 | 0.00004 | 24.1 | 0.49 | 0.04 | 1.4 | -999 | -999 | -999 | -10 | 20 | 0.1 | 0.05 | 0.02 | 0.09 | 7.55 | 382 | -1111 | 0.21 | 2.2 | 1.24 | 0.32 | 0.4 |
| D | MHS279 | AD12036104 | 20/03/2012 | -0.0005 | 0.00007 | 0.00004 | 24.9 | 0.51 | 0.03 | 1.6 | -999 | -999 | -999 | -10 | 30 | 0.1 | 0.06 | 0.03 | 0.11 | 9.81 | 518 | -1111 | 0.26 | 2.2 | 1.47 | 0.37 | 0.3 |
| D | MHS280 | AD12036104 | 20/03/2012 | -0.0005 | 0.00003 | 0.00005 | 21 | 0.56 | 0.04 | 1.2 | -999 | -999 | -999 | -10 | 10 | 0.07 | 0.04 | 0.02 | 0.06 | 4.7 | 307 | -1111 | 0.22 | 1.8 | 1.53 | 0.32 | 0.2 |
| D | MHS281 | AD12036104 | 20/03/2012 | -0.0005 | 0.00009 | 0.0001 | 5.06 | 2.02 | 0.04 | 2.9 | -999 | -999 | -999 | 10 | 90 | 0.59 | 0.06 | 0.03 | 0.13 | 28.2 | 135 | -1111 | 2.26 | 15.2 | 5.08 | 0.14 | 1.3 |
| D | MHS282 | AD12036104 | 20/03/2012 | 0.0009 | 0.00017 | 0.00015 | 3.27 | 4.1 | 0.07 | 7.1 | -999 | -999 | -999 | 30 | 200 | 1.36 | 0.15 | 0.07 | 0.34 | 54.3 | 58.6 | -1111 | 5.68 | 30.5 | 11.15 | 0.11 | 2.7 |
| D | MHS283 | AD12036104 | 20/03/2012 | -0.0005 | 0.00004 | 0.00004 | 19.9 | 2.57 | 0.05 | 2.1 | -999 | -999 | -999 | 10 | 90 | 0.12 | 0.07 | 0.12 | 0.22 | 10.9 | 523 | -1111 | 0.65 | 10.8 | 6.5 | 0.43 | 0.5 |
| D | MHS284 | AD12036104 | 20/03/2012 | -0.0005 | 0.00005 | 0.00005 | 22.2 | 3.19 | 0.05 | 3.2 | -999 | -999 | -999 | 10 | 180 | 0.12 | 0.06 | 0.14 | 0.25 | 11.2 | 626 | -1111 | 0.99 | 19.5 | 9.08 | 0.41 | 0.6 |
| D | MHS285 | AD12036104 | 20/03/2012 | -0.0005 | 0.00008 | 0.00005 | 11.85 | 7.3 | 0.05 | 2.6 | -999 | -999 | -999 | 10 | 110 | 0.22 | 0.07 | 0.18 | 0.11 | 5.14 | 54.9 | 6830 | 4.01 | 99.2 | 17.15 | 0.39 | 1.2 |
| D | MHS286 | AD12036104 | 20/03/2012 | -0.0005 | 0.0001 | 0.00008 | 11.6 | 9.69 | 0.07 | 3.7 | -999 | -999 | -999 | 10 | 80 | 0.34 | 0.07 | 0.25 | 0.06 | 6.81 | 30.7 | 4410 | 2.63 | 166.5 | 21.3 | 0.37 | 1.7 |
| D | MHS287 | AD12036104 | 20/03/2012 | 0.0007 | 0.00005 | 0.00005 | 0.23 | 0.18 | 0.03 | 0.6 | -999 | -999 | -999 | 10 | 10 | 0.1 | 0.04 | 0.01 | -0.02 | 11.2 | 0.9 | 188 | 0.23 | 22.4 | 0.78 | -0.05 | 1.5 |
| D | MHS288 | AD12036104 | 20/03/2012 | -0.0005 | 0.00004 | 0.00014 | 0.56 | 0.13 | 0.01 | 0.5 | -999 | -999 | -999 | 10 | 10 | 0.06 | 0.02 | 0.01 | -0.02 | 6.24 | 1.7 | 389 | 0.14 | 11.6 | 0.38 | -0.05 | 1.1 |
| D | MHS289 | AD12036104 | 20/03/2012 | 0.0007 | 0.00005 | 0.00004 | 0.17 | 0.13 | 0.01 | 0.5 | -999 | -999 | -999 | 10 | 10 | 0.08 | 0.03 | 0.01 | -0.02 | 10.2 | 0.8 | 283 | 0.23 | 3.7 | 0.54 | -0.05 | 1.3 |
| D | MHS290 | AD12036104 | 20/03/2012 | -0.0005 | 0.00004 | 0.00003 | 0.45 | 0.07 | 0.01 | 0.6 | -999 | -999 | -999 | -10 | 10 | 0.08 | 0.01 | 0.01 | -0.02 | 3.19 | 1.1 | 394 | 0.16 | 6.2 | 0.23 | -0.05 | 0.9 |
| D | MHS291 | AD12036104 | 20/03/2012 | 0.0013 | 0.0001 | 0.00011 | 0.5 | 0.09 | -0.01 | 0.8 | -999 | -999 | -999 | 10 | 10 | 0.11 | 0.03 | 0.01 | -0.02 | 6.13 | 2 | 704 | 0.21 | 3 | 0.59 | -0.05 | 2.7 |
| D | MHS292 | AD12036104 | 20/03/2012 | 0.0007 | 0.00003 | 0.00003 | 0.86 | 0.05 | 0.01 | 0.4 | -999 | -999 | -999 | -10 | -10 | 0.06 | 0.01 | 0.01 | -0.02 | 2.62 | 1.4 | 571 | 0.18 | 3.2 | 0.23 | -0.05 | 0.9 |
| D | MHS293 | AD12036104 | 20/03/2012 | 0.0007 | 0.00004 | 0.00004 | 1.22 | 0.06 | 0.01 | 0.7 | -999 | -999 | -999 | 10 | 10 | 0.07 | 0.01 | 0.02 | -0.02 | 3.4 | 1.8 | 691 | 0.17 | 3.8 | 0.29 | -0.05 | 1.1 |
| D | MHS295 | AD12036104 | 20/03/2012 | 0.0006 | 0.00011 | 0.00018 | 1.67 | 1.15 | 0.01 | 1.1 | -999 | -999 | -999 | 20 | 80 | 0.27 | 0.06 | 0.03 | 0.03 | 12.75 | 2.4 | 807 | 2.63 | 4.2 | 3.48 | 0.06 | 2.2 |
| D | MHS296 | AD12036104 | 20/03/2012 | 0.0008 | 0.00005 | 0.0001 | 2.49 | 0.07 | 0.02 | 1.2 | -999 | -999 | -999 | 10 | 10 | 0.06 | 0.02 | 0.02 | 0.03 | 3.06 | 2.3 | 594 | 0.12 | 5 | 0.45 | -0.05 | 0.8 |
| D | MHS297 | AD12036104 | 20/03/2012 | 0.0005 | 0.00012 | 0.00013 | 2.71 | 1.03 | 0.04 | 1.4 | -999 | -999 | -999 | 20 | 70 | 0.26 | 0.05 | 0.03 | -0.02 | 34.5 | 23.6 | -1111 | 1.75 | 7.9 | 3.44 | 0.1 | 2.9 |
| D | MHS298 | AD12036104 | 20/03/2012 | -0.0005 | 0.0001 | 0.00011 | 2.76 | 0.9 | 0.02 | 1.5 | -999 | -999 | -999 | 20 | 60 | 0.25 | 0.06 | 0.02 | -0.02 | 27.8 | 19.4 | -1111 | 1.61 | 7 | 2.99 | 0.12 | 2.9 |
| D | MHS299 | AD12036104 | 20/03/2012 | -0.0005 | 0.00018 | 0.00016 | 1.21 | 3 | -0.01 | 1.7 | -999 | -999 | -999 | 30 | 150 | 0.75 | 0.16 | 0.11 | -0.02 | 40.1 | 14.7 | 6040 | 4.43 | 6.5 | 8.02 | 0.06 | 3.4 |
| D | MHS304 | AD12036104 | 20/03/2012 | -0.0005 | 0.00029 | 0.00023 | 1.25 | 5.33 | 0.01 | 1.5 | -999 | -999 | -999 | 60 | 210 | 1.14 | 0.33 | 0.03 | -0.02 | 25.5 | 8.9 | 1130 | 7.75 | 21 | 13.2 | 0.06 | 3.4 |
| D | MHS305 | AD12036104 | 20/03/2012 | 0.0008 | 0.00014 | 0.00015 | 0.97 | 1.86 | 0.04 | 1.2 | -999 | -999 | -999 | 20 | 140 | 0.56 | 0.08 | 0.04 | -0.02 | 42.7 | 4 | 1300 | 3.66 | 5.5 | 5.2 | 0.05 | 3.3 |
| D | MHS306 | AD12036104 | 20/03/2012 | 0.0008 | 0.00012 | 0.00013 | 0.82 | 1.65 | 0.05 | 1 | -999 | -999 | -999 | 20 | 130 | 0.51 | 0.08 | 0.04 | 0.02 | 37.5 | 3.2 | 1340 | 3.25 | 5.2 | 4.59 | 0.06 | 3 |
| D | MHS307 | AD12036104 | 20/03/2012 | -0.0005 | 0.00012 | 0.00013 | 0.6 | 1.46 | 0.16 | 0.8 | -999 | -999 | -999 | 30 | 80 | 0.4 | 0.08 | 0.06 | 0.02 | 26.9 | 3.8 | 2110 | 3.1 | 4.3 | 4.31 | -0.05 | 2.6 |
| D | MHS308 | AD12036104 | 20/03/2012 | 0.001 | 0.00016 | 0.00034 | 2.76 | 2.86 | 0.02 | 3.8 | -999 | -999 | -999 | 20 | 210 | 0.97 | 0.1 | 0.04 | 0.11 | 54.7 | 15 | 2270 | 4.95 | 13.4 | 7.04 | 0.14 | 3.2 |
| D | MHS309 | AD12036104 | 20/03/2012 | -0.0005 | 0.00019 | 0.00023 | 2.02 | 3.73 | 0.03 | 3.8 | -999 | -999 | -999 | 20 | 230 | 1.15 | 0.12 | 0.04 | 0.02 | 59 | 13.2 | 2570 | 6.2 | 16.3 | 10.1 | 0.1 | 3.5 |
| D | MHS310 | AD12036104 | 20/03/2012 | 0.0006 | 0.00023 | 0.0002 | 3.3 | 4.67 | 0.04 | 7.7 | -999 | -999 | -999 | 30 | 220 | 1.3 | 0.19 | 0.03 | 0.05 | 63.1 | 6.6 | 946 | 7.03 | 25.3 | 12.6 | 0.13 | 4 |
| D | MHS311 | AD12036104 | 20/03/2012 | -0.0005 | 0.00028 | 0.00023 | 3.94 | 6.12 | 0.05 | 20.5 | -999 | -999 | -999 | 50 | 170 | 1.2 | 0.28 | 0.01 | 0.02 | 56.3 | 3.6 | 280 | 7.08 | 35.5 | 18.4 | 0.13 | 4.7 |
| D | MHS312 | AD12036104 | 20/03/2012 | 0.0006 | 0.00024 | 0.00026 | 2.37 | 4 | 0.02 | 8.3 | -999 | -999 | -999 | 30 | 140 | 0.81 | 0.24 | 0.03 | -0.02 | 50.8 | 1.8 | 340 | 3.87 | 12 | 13.85 | 0.08 | 4.1 |
| D | MHS313 | AD12036104 | 20/03/2012 | -0.0005 | 0.00002 | -0.00001 | 10.35 | 0.29 | 0.03 | 1.1 | -999 | -999 | -999 | -10 | 10 | 0.07 | 0.01 | 0.02 | 0.04 | 2.95 | 174.5 | 9180 | 0.26 | 2.1 | 0.73 | 0.23 | 0.1 |
| D | MHS314 | AD12036104 | 20/03/2012 | -0.0005 | 0.00008 | 0.00011 | 23.4 | 2.84 | 0.1 | 3 | -999 | -999 | -999 | 10 | 190 | 0.73 | 0.1 | 0.05 | 0.16 | 49.8 | 982 | 4200 | 3.17 | 13.6 | 6.05 | 1.83 | 1.4 |
| D | MHS315 | AD12036104 | 20/03/2012 | -0.0005 | 0.00009 | 0.00011 | 21.7 | 3.43 | 0.08 | 5.3 | -999 | -999 | -999 | 10 | 160 | 1.26 | 0.12 | 0.07 | 0.2 | 64.8 | 393 | -1111 | 3.28 | 35.6 | 6.96 | 0.49 | 1.8 |
| D | MHS316 | AD12036104 | 20/03/2012 | -0.0005 | 0.00004 | -0.00001 | 13.65 | 1.33 | 0.04 | 1.6 | -999 | -999 | -999 | 10 | 60 | 1.11 | 0.03 | 0.04 | 0.26 | 17.05 | 226 | -1111 | 1.41 | 21.2 | 3.02 | 0.24 | 0.4 |
| D | MHS317 | AD12036104 | 20/03/2012 | 0.0007 | 0.0001 | 0.00015 | 1.82 | 0.77 | 0.08 | 1.6 | -999 | -999 | -999 | 20 | 60 | 0.26 | 0.07 | 0.04 | 0.05 | 32.4 | 12.6 | 748 | 1.79 | 8.6 | 2.46 | 0.12 | 2.7 |
| D | MHS318 | AD12036104 | 20/03/2012 | -0.0005 | 0.00013 | 0.00016 | 1.83 | 1.43 | 0.08 | 2.2 | -999 | -999 | -999</ | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|--------|------------|------------|---------|---------|---------|------|------|------|------|----------|----------|----------|-----|-----|------|------|------|-------|-------|-----|-----|------|------|-------|-------|-----|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | MHS336 | AD12036104 | 20/03/2012 | -0.0005 | 0.00012 | 0.00011 | 1.39 | 2.49 | 0.03 | 2.4 | -999 | -999 | -999 | 20 | 210 | 0.7 | 0.09 | 0.03 | 0.05 | 41 | 2.9 | 448 | 4.1 | 12.2 | 5.91 | 0.1 | 2.9 |
| D | MHS337 | AD12036104 | 20/03/2012 | 0.0005 | 0.00016 | 0.00014 | 1.35 | 3.11 | 0.02 | 3.2 | -999 | -999 | -999 | 20 | 190 | 0.8 | 0.15 | 0.03 | 0.03 | 43 | 3.9 | 646 | 4.87 | 13.4 | 7.97 | 0.09 | 3.4 |
| D | MHS338 | AD12036104 | 20/03/2012 | -0.0005 | 0.00015 | 0.00013 | 0.55 | 1.43 | 0.03 | 0.9 | -999 | -999 | -999 | 20 | 80 | 0.53 | 0.11 | 0.02 | -0.02 | 19.4 | 0.6 | 148 | 2.13 | 2.9 | 5.5 | -0.05 | 4.4 |
| D | MHS339 | AD12036104 | 20/03/2012 | 0.0007 | 0.00024 | 0.00028 | 3.21 | 3.71 | 0.02 | 7.7 | -999 | -999 | -999 | 60 | 140 | 0.63 | 0.28 | 0.02 | -0.02 | 45.8 | 1.5 | 271 | 8.2 | 12.2 | 13.65 | 0.1 | 4.2 |
| D | MHS340 | AD12036104 | 20/03/2012 | 0.0005 | 0.00012 | 0.00016 | 0.87 | 0.84 | 0.02 | 1.4 | -999 | -999 | -999 | 30 | 70 | 0.22 | 0.11 | 0.02 | -0.02 | 27.4 | 1.1 | 388 | 2.07 | 6.1 | 3.05 | -0.05 | 2.9 |
| D | MHS341 | AD12036104 | 20/03/2012 | -0.0005 | 0.00015 | 0.0001 | 3.16 | 3.56 | 0.01 | 4.7 | -999 | -999 | -999 | 10 | 50 | 0.43 | 0.15 | 0.01 | -0.02 | 41.2 | 3.2 | 357 | 1.52 | 6 | 11.2 | 0.07 | 3.7 |
| D | MHS342 | AD12044736 | 4/04/2012 | -0.0005 | 0.00026 | 0.00029 | 2.63 | 6.93 | 0.08 | 4.2 | -999 | -999 | -999 | 40 | 270 | 1.28 | 0.32 | 0.01 | -0.02 | 86.9 | 2.7 | 178 | 5.17 | 29.2 | 16.9 | 0.22 | 5.8 |
| D | MHS343 | AD12044736 | 4/04/2012 | -0.0005 | 0.00025 | 0.00028 | 1.23 | 6.05 | 0.12 | 2.5 | -999 | -999 | -999 | 40 | 300 | 1.2 | 0.33 | 0.05 | 0.03 | 96.5 | 4.1 | 130 | 4.83 | 12.4 | 15.55 | 0.19 | 4.9 |
| D | MHS344 | AD12044736 | 4/04/2012 | 0.0006 | 0.00012 | 0.00016 | 2.33 | 1.14 | 0.09 | 1.3 | -999 | -999 | -999 | 20 | 60 | 0.28 | 0.13 | 0.02 | 0.03 | 33.4 | 1.4 | 266 | 1.29 | 5 | 4.04 | 0.2 | 3.3 |
| D | MHS345 | AD12044736 | 4/04/2012 | 0.0005 | 0.00014 | 0.00019 | 0.61 | 2.14 | 0.1 | 1.9 | -999 | -999 | -999 | 20 | 100 | 0.45 | 0.18 | 0.01 | -0.02 | 46.4 | 0.8 | 132 | 2.36 | 4.4 | 7.04 | 0.15 | 3.2 |
| D | MHS346 | AD12044736 | 4/04/2012 | 0.0006 | 0.00012 | 0.00016 | 0.4 | 1.27 | 0.09 | 0.8 | -999 | -999 | -999 | 20 | 70 | 0.32 | 0.14 | 0.01 | -0.02 | 38.1 | 0.8 | 189 | 1.82 | 3.4 | 4.51 | 0.13 | 3.6 |
| D | MHS347 | AD12044736 | 4/04/2012 | 0.0006 | 0.00015 | 0.0002 | 1 | 1.89 | 0.08 | 1.3 | -999 | -999 | -999 | 20 | 90 | 0.43 | 0.18 | 0.02 | 0.04 | 51.6 | 1 | 160 | 2.29 | 4.3 | 6.65 | 0.14 | 3.8 |
| D | MHS352 | AD12044736 | 4/04/2012 | 0.0007 | 0.00007 | 0.00013 | 0.55 | 0.09 | 0.07 | 0.9 | -999 | -999 | -999 | 10 | 10 | 0.09 | 0.05 | 0.01 | -0.02 | 7.73 | 0.7 | 256 | 0.12 | 3.6 | 0.55 | 0.27 | 2.1 |
| D | MHS353 | AD12044736 | 4/04/2012 | -0.0005 | 0.00006 | 0.00011 | 0.83 | 0.24 | 0.07 | 0.7 | -999 | -999 | -999 | 10 | 20 | 0.11 | 0.05 | 0.02 | 0.02 | 36.1 | 0.7 | 163 | 0.3 | 2.8 | 1.03 | 0.35 | 4.7 |
| D | MHS354 | AD12044736 | 4/04/2012 | -0.0005 | 0.00007 | 0.00011 | 0.24 | 0.62 | 0.04 | 0.5 | -999 | -999 | -999 | 10 | 40 | 0.18 | 0.07 | 0.01 | 0.02 | 43.4 | 0.3 | 30 | 0.79 | 2 | 1.92 | 0.09 | 4.8 |
| D | MHS355 | AD12044736 | 4/04/2012 | 0.001 | 0.00004 | 0.00009 | 0.37 | 0.08 | 0.05 | 0.6 | -999 | -999 | -999 | 10 | 10 | 0.06 | 0.08 | 0.02 | 0.04 | 15.15 | 0.3 | 49 | 0.08 | 1.7 | 0.29 | 0.06 | 3.6 |
| D | MHS356 | AD12044736 | 4/04/2012 | -0.0005 | 0.00012 | 0.00018 | 0.74 | 1.21 | 0.04 | 0.8 | -999 | -999 | -999 | 20 | 80 | 0.29 | 0.09 | 0.01 | 0.02 | 63.1 | 0.5 | 42 | 1.52 | 2.1 | 3.58 | 0.16 | 5.8 |
| D | MHS357 | AD12044736 | 4/04/2012 | 0.0007 | 0.00015 | 0.00019 | 0.81 | 1.88 | 0.05 | 1.2 | -999 | -999 | -999 | 10 | 90 | 0.3 | 0.11 | 0.01 | 0.02 | 83.8 | 0.5 | 28 | 2.46 | 2.3 | 5.81 | 0.1 | 5.4 |
| D | MHS358 | AD12044736 | 4/04/2012 | -0.0005 | 0.00013 | 0.00018 | 1.59 | 1.47 | 0.06 | 0.9 | -999 | -999 | -999 | 10 | 80 | 0.3 | 0.1 | 0.01 | 0.03 | 74 | 0.7 | 38 | 1.83 | 2.9 | 4.57 | 0.14 | 6.7 |
| D | MHS359 | AD12044736 | 4/04/2012 | 0.0007 | 0.00012 | 0.00018 | 0.82 | 0.88 | 0.06 | 1.1 | -999 | -999 | -999 | 20 | 50 | 0.19 | 0.11 | 0.01 | 0.07 | 70 | 0.5 | 33 | 0.93 | 2.5 | 3.53 | 0.09 | 4.5 |
| D | MHS360 | AD12044736 | 4/04/2012 | 0.0006 | 0.0001 | 0.00016 | 0.37 | 0.33 | 0.06 | 0.7 | -999 | -999 | -999 | 20 | 30 | 0.11 | 0.09 | 0.01 | -0.02 | 42.2 | 0.3 | 41 | 0.41 | 1.9 | 1.53 | 0.06 | 6.9 |
| D | MHS361 | AD12044736 | 4/04/2012 | 0.0009 | 0.00007 | 0.00014 | 0.6 | 0.2 | 0.03 | 0.9 | -999 | -999 | -999 | 10 | 20 | 0.11 | 0.06 | 0.02 | -0.02 | 38.1 | 0.4 | 59 | 0.37 | 2 | 0.86 | 0.08 | 6.5 |
| D | MHS362 | AD12044736 | 4/04/2012 | 0.0005 | 0.00006 | 0.00013 | 1 | 0.16 | 0.02 | 0.8 | -999 | -999 | -999 | 20 | 10 | 0.06 | 0.1 | 0.01 | 0.02 | 24.9 | 0.5 | 65 | 0.1 | 2.9 | 0.54 | 0.06 | 3 |
| D | MHS363 | AD12044736 | 4/04/2012 | 0.0008 | 0.00017 | 0.00018 | 0.55 | 1.18 | 0.03 | 1.5 | -999 | -999 | -999 | 20 | 50 | 0.2 | 0.13 | 0.01 | 0.02 | 54.5 | 0.5 | 46 | 2.16 | 2.3 | 6.19 | 0.11 | 3.5 |
| D | MHS364 | AD12044736 | 4/04/2012 | -0.0005 | 0.00018 | 0.00021 | 1.55 | 2.1 | 0.05 | 5.9 | -999 | -999 | -999 | 20 | 60 | 0.36 | 0.14 | 0.01 | 0.02 | 82.1 | 0.9 | 36 | 2.68 | 3 | 7.1 | 0.09 | 3.8 |
| D | MHS365 | AD12044736 | 4/04/2012 | -0.0005 | 0.00029 | 0.00023 | 3.53 | 4.69 | 0.05 | 10.8 | -999 | -999 | -999 | 20 | 90 | 0.41 | 0.2 | 0.01 | 0.02 | 76.4 | 1.3 | 64 | 4.52 | 3.2 | 14.75 | 0.19 | 3.5 |
| D | MHS366 | AD12044736 | 4/04/2012 | 0.0011 | 0.00007 | 0.00015 | 0.45 | 0.1 | 0.04 | 0.8 | -999 | -999 | -999 | 20 | 10 | 0.06 | 0.1 | 0.02 | 0.03 | 17.25 | 0.4 | 43 | 0.1 | 2.6 | 0.4 | -0.05 | 3.3 |
| D | MHS367 | AD12044736 | 4/04/2012 | 0.0005 | 0.00011 | 0.00016 | 0.63 | 1.09 | 0.06 | 1.2 | -999 | -999 | -999 | 20 | 70 | 0.22 | 0.14 | 0.02 | 0.02 | 51.6 | 0.7 | 239 | 1.76 | 2.1 | 3.47 | 0.07 | 4.3 |
| D | MHS368 | AD12044736 | 4/04/2012 | 0.0006 | 0.00022 | 0.00023 | 0.84 | 3.01 | 0.04 | 2 | -999 | -999 | -999 | 30 | 230 | 0.69 | 0.15 | 0.01 | 0.02 | 72.3 | 1.1 | 300 | 6.39 | 3.2 | 10.4 | 0.12 | 3.8 |
| D | MHS369 | AD12044736 | 4/04/2012 | 0.0009 | 0.00014 | 0.00015 | 1.3 | 1.9 | 0.06 | 2.1 | -999 | -999 | -999 | 20 | 130 | 0.71 | 0.12 | 0.07 | 0.13 | 56.7 | 5.8 | 396 | 3.33 | 3.6 | 5.45 | 0.08 | 4.3 |
| D | MHS370 | AD12044736 | 4/04/2012 | -0.0005 | 0.00015 | 0.00016 | 0.9 | 2.04 | 0.05 | 0.9 | -999 | -999 | -999 | 20 | 130 | 0.49 | 0.14 | 0.05 | 0.03 | 66.6 | 0.6 | 35 | 2.25 | 3.1 | 5.8 | 0.05 | 4.9 |
| D | MHS371 | AD12044736 | 4/04/2012 | 0.0006 | 0.00014 | 0.00018 | 1.03 | 1.53 | 0.06 | 1.1 | -999 | -999 | -999 | 30 | 100 | 0.38 | 0.11 | 0.01 | 0.03 | 68.4 | 0.6 | 50 | 2.09 | 2.5 | 5.08 | 0.09 | 5.7 |
| D | MHS376 | AD12044736 | 4/04/2012 | 0.0008 | 0.0001 | 0.00016 | 0.78 | 0.84 | 0.1 | 1.3 | -999 | -999 | -999 | 20 | 70 | 0.21 | 0.12 | 0.06 | 0.06 | 51.4 | 0.5 | 26 | 1.27 | 5.6 | 2.95 | 0.3 | 3.9 |
| D | MHS377 | AD12044736 | 4/04/2012 | 0.0008 | 0.00009 | 0.00015 | 0.37 | 0.72 | 0.09 | 0.6 | -999 | -999 | -999 | 10 | 50 | 0.19 | 0.12 | 0.04 | 0.03 | 54.3 | 0.5 | 26 | 0.92 | 3.3 | 2.38 | 0.3 | 4.4 |
| D | MHS378 | AD12044736 | 4/04/2012 | 0.0006 | 0.00014 | 0.00018 | 0.42 | 1.73 | 0.09 | 0.9 | -999 | -999 | -999 | 20 | 120 | 0.42 | 0.12 | 0.02 | 0.02 | 70.5 | 0.5 | 26 | 2.41 | 2.5 | 5.41 | 0.31 | 5.4 |
| D | MHS379 | AD12044736 | 4/04/2012 | 0.001 | 0.00013 | 0.00016 | 0.66 | 1.6 | 0.08 | 0.7 | -999 | -999 | -999 | 20 | 130 | 0.42 | 0.13 | 0.02 | -0.02 | 73.4 | 0.5 | 29 | 2.19 | 2.6 | 4.91 | 0.32 | 6.2 |
| D | MHS380 | AD12044736 | 4/04/2012 | 0.0006 | 0.00011 | 0.00018 | 0.38 | 0.89 | 0.09 | 0.9 | -999 | -999 | -999 | 20 | 70 | 0.22 | 0.11 | 0.01 | 0.02 | 56.9 | 0.4 | 21 | 1.74 | 3.2 | 3.13 | 0.28 | 4.9 |
| D | MHS381 | AD12044736 | 4/04/2012 | -0.0005 | 0.00011 | 0.00018 | 0.57 | 1.09 | 0.07 | 0.7 | -999 | -999 | -999 | 20 | 100 | 0.31 | 0.11 | 0.03 | 0.02 | 53.6 | 0.4 | 28 | 1.15 | 3.1 | 3.37 | 0.26 | 4.4 |
| D | MHS382 | AD12044736 | 4/04/2012 | -0.0005 | 0.00008 | 0.00016 | 0.28 | 0.39 | 0.08 | 0.7 | -999 | -999 | -999 | 10 | 30 | 0.16 | 0.12 | 0.01 | -0.02 | 57.3 | 0.3 | 21 | 0.34 | 2.2 | 1.34 | 0.16 | 5.8 |
| D | MHS383 | AD12044736 | 4/04/2012 | 0.0006 | 0.00012 | 0.00016 | 0.6 | 1.43 | 0.08 | 0.8 | -999 | -999 | -999 | 20 | 110 | 0.41 | 0.13 | 0.01 | -0.02 | 65.4 | 0.5 | 29 | 1.77 | 3.8 | 4.28 | 0.2 | 5.5 |
| D | MHS384 | AD12044736 | 4/04/2012 | 0.001 | 0.00016 | 0.00019 | 0.57 | 2.22 | 0.07 | 0.8 | -999 | -999 | -999 | 20 | 150 | 0.55 | 0.14 | 0.01 | 0.02 | 80.6 | 0.6 | 33 | 2.41 | 2.1 | 6.46 | 0.2 | 5.8 |
| D | MHS385 | AD12044736 | 4/04/2012 | -0.0005 | 0.00015 | 0.00021 | 0.89 | 1.8 | 0.1 | 1.7 | -999 | -999 | -999 | 20 | 110 | 0.44 | 0.2 | 0.03 | 0.05 | 60.8 | 1.2 | 319 | 2.78 | 6.3 | 5.9 | 0.16 | 3.9 |
| D | MHS386 | AD12044736 | 4/04/2012 | 0.0006 | 0.00017 | 0.00023 | 0.81 | 3.06 | 0.11 | 2.3 | -999 | -999 | -999 | 30 | 140 | 0.53 | 0.25 | 0.02 | 0.11 | 69.8 | 1.4 | 153 | 3.29 | 30.2 | 8.51 | 0.13 | 4.1 |
| D | MHS387 | AD12044736 | 4/04/2012 | 0.0009 | 0.00025 | 0.00029 | 1.47 | 5.73 | 0.12 | 3 | -999 | -999 | -999 | 50 | 270 | 1.02 | 0.38 | 0.02 | -0.02 | 80.6 | 1.7 | 159 | 4.86 | 12.9 | 15.1 | 0.12 | 5.1 |
| D | MHS388 | AD12044736 | 4/04/2012 | 0.0008 | 0.0003 | 0.0003 | 1.73 | 7.2 | 0.1 | 3.8 | -999 | -999 | -999 | 40 | 330 | 1.36 | 0.43 | 0.01 | -0.02 | 98.8 | 2.1 | 130 | 5.93 | 12.9 | 19.45 | 0.14 | 5.7 |
| D | MHS389 | AD12044736 | 4/04/2012 | 0.0009 | 0.00012 | 0.00015 | 0.8 | 1.52 | 0.08 | 1.2 | -999 | -999 | -999 | 20 | 90 | 0.34 | 0.09 | 0.03 | 0.03 | 42.9 | 1.7 | 731 | 2.08 | 3.7 | 4.91 | 0.15 | 3.2 |
| D | RYS0 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF % | Sn_MS % | WO3 % | Fe % | Al % | Ag ppm | As ppm | Au_FAAppm ppm | Pt_FAAppm ppm | Pd_FAAppm ppm | B ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cs ppm | Cu ppm | Ga ppm | Ge ppm | Hf ppm |
|-------|------------------|------------|------------|-------------|------------|----------|---------|---------|-----------|-----------|------------------|------------------|------------------|----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| D | RYS005S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0139 | 59.7 | 1.015 | -0.5 | 22 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.024 | -999 | -999 | 275 | 31400 | -999 | 4 | -999 | -999 | -999 |
| D | RYS005S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0101 | 60.9 | 0.884 | -0.5 | 15 | 0.001 | 0.005 | -0.001 | -999 | 19 | -0.5 | -2 | 0.021 | -999 | -999 | 259 | 31300 | -999 | 4 | -999 | -999 | -999 |
| D | RYS005S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0076 | 61.8 | 0.799 | -0.5 | 15 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.039 | -999 | -999 | 254 | 30600 | -999 | 4 | -999 | -999 | -999 |
| D | RYS005S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0151 | 57.1 | 1.095 | -0.5 | 12 | 0.002 | -0.005 | -0.001 | -999 | 18 | -0.5 | -2 | 0.087 | -999 | -999 | 370 | 42800 | -999 | 7 | -999 | -999 | -999 |
| D | RYS006 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 56.1 | 0.904 | -0.5 | 17 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 330 | 39200 | -999 | -1 | -999 | -999 | -999 |
| D | RYS007 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 16.9 | 4.31 | -0.5 | 14 | 0.001 | -0.005 | -0.001 | -999 | 95 | 0.6 | -2 | 0.036 | -999 | -999 | 70 | 11800 | -999 | 4 | -999 | -999 | -999 |
| D | RYS008 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 40.4 | 0.984 | -0.5 | 40 | 0.001 | 0.007 | -0.001 | -999 | -9 | -0.5 | -2 | 0.014 | -999 | -999 | 240 | 64600 | -999 | 7 | -999 | -999 | -999 |
| D | RYS009 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 49.6 | 1.085 | -0.5 | 21 | -0.001 | 0.005 | -0.001 | -999 | 26 | -0.5 | -2 | -0.007 | -999 | -999 | 310 | 45300 | -999 | 2 | -999 | -999 | -999 |
| D | RYS010 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0038 | 47.1 | 1.045 | -0.5 | 19 | -0.001 | 0.008 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 270 | 41400 | -999 | 2 | -999 | -999 | -999 |
| D | RYS011 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 55.7 | 1.005 | -0.5 | 17 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.007 | -999 | -999 | 250 | 37900 | -999 | -1 | -999 | -999 | -999 |
| D | RYS012 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 51.8 | 1.03 | 0.5 | 17 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 260 | 38600 | -999 | -1 | -999 | -999 | -999 |
| D | RYS013 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 56.6 | 0.833 | -0.5 | 14 | 0.003 | 0.006 | 0.001 | -999 | -9 | -0.5 | -2 | 0.015 | -999 | -999 | 270 | 40100 | -999 | -1 | -999 | -999 | -999 |
| D | RYS014 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 53.2 | 0.992 | -0.5 | 20 | 0.001 | 0.006 | -0.001 | -999 | 10 | -0.5 | -2 | -0.007 | -999 | -999 | 270 | 45700 | -999 | 1 | -999 | -999 | -999 |
| D | RYS015 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 50.4 | 1.345 | -0.5 | 45 | 0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 270 | 48200 | -999 | -1 | -999 | -999 | -999 |
| D | RYS015S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0063 | 43.2 | 1.28 | -0.5 | 39 | 0.007 | 0.007 | 0.003 | -999 | 9 | -0.5 | -2 | 0.025 | -999 | -999 | 208 | 59200 | -999 | 8 | -999 | -999 | -999 |
| D | RYS015S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.005 | 58.9 | 1.285 | -0.5 | 37 | 0.007 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.013 | -999 | -999 | 163 | 29000 | -999 | 4 | -999 | -999 | -999 |
| D | RYS015S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0151 | 58.6 | 1.27 | -0.5 | 40 | 0.004 | 0.006 | -0.001 | -999 | 46 | -0.5 | -2 | 0.03 | -999 | -999 | 162 | 30700 | -999 | 4 | -999 | -999 | -999 |
| D | RYS015S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0101 | 59 | 1.225 | -0.5 | 31 | -0.001 | -0.005 | -0.001 | -999 | 28 | -0.5 | -2 | 0.021 | -999 | -999 | 166 | 33800 | -999 | 4 | -999 | -999 | -999 |
| D | RYS015S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0151 | 55 | 1.395 | -0.5 | 29 | -0.001 | -0.005 | -0.001 | -999 | 45 | -0.5 | -2 | 0.027 | -999 | -999 | 210 | 34300 | -999 | 6 | -999 | -999 | -999 |
| D | RYS016 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 52.6 | 1.7 | 0.9 | 26 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 29600 | -999 | -1 | -999 | -999 | -999 |
| D | RYS018S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0101 | 50.3 | 1.59 | -0.5 | 27 | 0.005 | 0.006 | 0.001 | -999 | -9 | -0.5 | -2 | 0.036 | -999 | -999 | 162 | 67300 | -999 | 7 | -999 | -999 | -999 |
| D | RYS018S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.005 | 60.4 | 1.295 | -0.5 | 18 | 0.008 | -0.005 | -0.001 | -999 | 37 | -0.5 | -2 | 0.015 | -999 | -999 | 134 | 23300 | -999 | 5 | -999 | -999 | -999 |
| D | RYS018S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0013 | 59.9 | 1.3 | -0.5 | 21 | 0.004 | -0.005 | -0.001 | -999 | 19 | -0.5 | -2 | 0.014 | -999 | -999 | 142 | 24600 | -999 | 4 | -999 | -999 | -999 |
| D | RYS018S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0038 | 56.8 | 1.335 | -0.5 | 18 | 0.038 | -0.005 | 0.004 | -999 | 9 | -0.5 | -2 | 0.011 | -999 | -999 | 162 | 29700 | -999 | 6 | -999 | -999 | -999 |
| D | RYS018S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0025 | 51.9 | 1.705 | -0.5 | 16 | 0.003 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.027 | -999 | -999 | 183 | 35700 | -999 | 8 | -999 | -999 | -999 |
| D | RYS019 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 61 | 0.921 | 0.6 | 23 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 22100 | -999 | -1 | -999 | -999 | -999 |
| D | RYS020 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 60.8 | 0.838 | -0.5 | 21 | -0.001 | -0.005 | -0.001 | -999 | 44 | -0.5 | -2 | 0.014 | -999 | -999 | 160 | 22800 | -999 | -1 | -999 | -999 | -999 |
| D | RYS024S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 40.9 | 1.865 | -0.5 | 31 | 0.004 | -0.005 | 0.002 | -999 | 27 | -0.5 | -2 | 0.021 | -999 | -999 | 112 | -1111 | -999 | 6 | -999 | -999 | -999 |
| D | RYS024S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 58.3 | 1.97 | -0.5 | 30 | 0.004 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.027 | -999 | -999 | 49 | 15100 | -999 | 2 | -999 | -999 | -999 |
| D | RYS024S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0088 | 58.2 | 1.875 | -0.5 | 23 | 0.004 | -0.005 | 0.001 | -999 | 18 | -0.5 | -2 | 0.018 | -999 | -999 | 56 | 15000 | -999 | 2 | -999 | -999 | -999 |
| D | RYS024S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0101 | 55.7 | 2.03 | -0.5 | 21 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.022 | -999 | -999 | 64 | 21400 | -999 | 2 | -999 | -999 | -999 |
| D | RYS024S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0113 | 54.4 | 2.42 | -0.5 | 13 | 0.007 | -0.005 | -0.001 | -999 | 27 | -0.5 | -2 | 0.018 | -999 | -999 | 52 | 16900 | -999 | 2 | -999 | -999 | -999 |
| D | RYS028 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 47 | 3.86 | 0.5 | 13 | 0.001 | 0.016 | -0.001 | -999 | -9 | -0.5 | -2 | 0.015 | -999 | -999 | 1700 | 31500 | -999 | 7 | -999 | -999 | -999 |
| D | RYS029 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 56.3 | 1.35 | -0.5 | 16 | -0.001 | 0.008 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 190 | 30800 | -999 | 2 | -999 | -999 | -999 |
| D | RYS030 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 58.3 | 1.275 | -0.5 | 16 | -0.001 | -0.005 | -0.001 | -999 | 38 | -0.5 | -2 | -0.007 | -999 | -999 | 140 | 23100 | -999 | -1 | -999 | -999 | -999 |
| D | RYS031 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 56.8 | 1.375 | -0.5 | 17 | -0.001 | -0.005 | -0.001 | -999 | 30 | -0.5 | -2 | -0.007 | -999 | -999 | 130 | 24000 | -999 | 2 | -999 | -999 | -999 |
| D | RYS031S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 50.7 | 1.16 | -0.5 | 26 | 0.004 | -0.005 | -0.001 | -999 | 44 | -0.5 | -2 | 0.02 | -999 | -999 | 167 | 45900 | -999 | 7 | -999 | -999 | -999 |
| D | RYS031S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0126 | 61.5 | 1.29 | 0.5 | 32 | 0.016 | -0.005 | 0.002 | -999 | -9 | -0.5 | -2 | 0.025 | -999 | -999 | 145 | 23100 | -999 | 4 | -999 | -999 | -999 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF % | Sn_MS % | WO3 | Fe % | Al % | Ag ppm | As ppm | Au_FAppm ppm | Pt_FAppm ppm | Pd_FAppm ppm | B ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cs ppm | Cu ppm | Ga ppm | Ge ppm | Hf ppm |
|-------|------------------|------------|------------|-------------|------------|---------|---------|---------|-----------|-----------|-----------------|-----------------|-----------------|----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| D | RYS031S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0113 | 61.7 | 1.135 | -0.5 | 26 | 0.003 | -0.005 | -0.001 | -999 | 28 | -0.5 | -2 | 0.014 | -999 | -999 | 155 | 24600 | -999 | 4 | -999 | -999 | -999 |
| D | RYS031S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0139 | 60.3 | 1.25 | -0.5 | 25 | 0.008 | 0.009 | 0.005 | -999 | 18 | -0.5 | -2 | 0.021 | -999 | -999 | 152 | 29200 | -999 | 4 | -999 | -999 | -999 |
| D | RYS031S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 57.5 | 1.25 | -0.5 | 24 | 0.004 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.021 | -999 | -999 | 168 | 31100 | -999 | 4 | -999 | -999 | -999 |
| D | RYS032 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0353 | 59.8 | 1.14 | -0.5 | 13 | -0.001 | -0.005 | -0.001 | -999 | 30 | -0.5 | -2 | -0.007 | -999 | -999 | 110 | 24400 | -999 | -1 | -999 | -999 | -999 |
| D | RYS036 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0227 | 48.2 | 1.475 | -0.5 | 6 | -0.001 | 0.009 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 240 | 44100 | -999 | 3 | -999 | -999 | -999 |
| D | RYS040 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0214 | 58.6 | 1.065 | -0.5 | 15 | 0.078 | 0.006 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 27500 | -999 | -1 | -999 | -999 | -999 |
| D | RYS040S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0151 | 57.3 | 1.3 | -0.5 | 23 | 0.003 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.013 | -999 | -999 | 197 | 35400 | -999 | 5 | -999 | -999 | -999 |
| D | RYS040S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0101 | 61.5 | 1.235 | -0.5 | 27 | 0.005 | -0.005 | 0.001 | -999 | 62 | -0.5 | -2 | 0.017 | -999 | -999 | 175 | 24100 | -999 | 3 | -999 | -999 | -999 |
| D | RYS040S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0088 | 62.3 | 1.195 | -0.5 | 16 | 0.003 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.014 | -999 | -999 | 181 | 24300 | -999 | 4 | -999 | -999 | -999 |
| D | RYS040S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.005 | 61.3 | 1.195 | -0.5 | 16 | 0.003 | 0.005 | -0.001 | -999 | 9 | -0.5 | -2 | 0.015 | -999 | -999 | 164 | 26600 | -999 | 3 | -999 | -999 | -999 |
| D | RYS040S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0088 | 56.1 | 1.675 | -0.5 | 19 | 0.002 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.014 | -999 | -999 | 283 | 31500 | -999 | 6 | -999 | -999 | -999 |
| D | RYS041 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 59.8 | 1.095 | -0.5 | 12 | 0.001 | 0.006 | -0.001 | -999 | 34 | -0.5 | -2 | -0.007 | -999 | -999 | 150 | 25100 | -999 | -1 | -999 | -999 | -999 |
| D | RYS042 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0202 | 59.4 | 0.967 | -0.5 | 19 | -0.001 | -0.005 | -0.001 | -999 | 44 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 25500 | -999 | -1 | -999 | -999 | -999 |
| D | RYS043 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 52.6 | 1.265 | -0.5 | 14 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 340 | 40900 | -999 | 4 | -999 | -999 | -999 |
| D | RYS044 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0202 | 54.5 | 1.415 | -0.5 | 8 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.007 | -999 | -999 | 280 | 32800 | -999 | 3 | -999 | -999 | -999 |
| D | RYS045 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.005 | 58.5 | 0.975 | -0.5 | 15 | -0.001 | 0.007 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 140 | 32000 | -999 | -1 | -999 | -999 | -999 |
| D | RYS046 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 54.1 | 1.31 | -0.5 | 14 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 180 | 33400 | -999 | 3 | -999 | -999 | -999 |
| D | RYS047 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 55.6 | 1.32 | -0.5 | 20 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 180 | 33200 | -999 | 10 | -999 | -999 | -999 |
| D | RYS048 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0101 | 33.5 | 1.64 | -0.5 | 20 | 0.001 | 0.007 | -0.001 | -999 | -9 | -0.5 | -2 | 0.009 | -999 | -999 | 2570 | 62900 | -999 | 9 | -999 | -999 | -999 |
| D | RYS049 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 60 | 0.895 | -0.5 | 24 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 150 | 31400 | -999 | 2 | -999 | -999 | -999 |
| D | RYS050 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0013 | 60.4 | 0.858 | -0.5 | 28 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 150 | 30500 | -999 | 8 | -999 | -999 | -999 |
| D | RYS051 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 58 | 1.26 | -0.5 | 15 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 310 | 27800 | -999 | 3 | -999 | -999 | -999 |
| D | RYS051S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0025 | 53.5 | 1.575 | -0.5 | 21 | 0.003 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.018 | -999 | -999 | 294 | 33000 | -999 | 7 | -999 | -999 | -999 |
| D | RYS051S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0151 | 58.4 | 1.545 | -0.5 | 19 | 0.004 | -0.005 | 0.001 | -999 | 18 | -0.5 | -2 | 0.015 | -999 | -999 | 296 | 29100 | -999 | 5 | -999 | -999 | -999 |
| D | RYS051S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.005 | 57.2 | 1.64 | -0.5 | 19 | 0.003 | 0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.021 | -999 | -999 | 320 | 30300 | -999 | 6 | -999 | -999 | -999 |
| D | RYS051S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0113 | 56.2 | 1.635 | -0.5 | 19 | 0.003 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.012 | -999 | -999 | 307 | 33100 | -999 | 17 | -999 | -999 | -999 |
| D | RYS051S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0038 | 54 | 1.845 | -0.5 | 13 | 0.003 | -0.005 | -0.001 | -999 | 9 | -0.5 | -2 | 0.01 | -999 | -999 | 328 | 34900 | -999 | 7 | -999 | -999 | -999 |
| D | RYS052 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 56.9 | 1.105 | -0.5 | 21 | -0.001 | 0.006 | -0.001 | -999 | -10 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 29700 | -999 | 10 | -999 | -999 | -999 |
| D | RYS053 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0063 | 54.1 | 1.2 | -0.5 | 9 | 0.001 | 0.008 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 520 | 35400 | -999 | 12 | -999 | -999 | -999 |
| D | RYS054 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 45.8 | 1.78 | -0.5 | 22 | 0.001 | 0.028 | -0.001 | -999 | 959 | -0.5 | -2 | 0.032 | -999 | -999 | 10500 | 30300 | -999 | 9 | -999 | -999 | -999 |
| D | RYS055 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 47.2 | 1.53 | -0.5 | 9 | 0.001 | 0.019 | -0.001 | -999 | 233 | -0.5 | 2 | 0.07 | -999 | -999 | 1820 | 29800 | -999 | 13 | -999 | -999 | -999 |
| D | RYS057 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 40 | 3.97 | -0.5 | 8 | 0.001 | 0.006 | -0.001 | -999 | 27 | 2.8 | -2 | 0.009 | -999 | -999 | 730 | 43900 | -999 | 13 | -999 | -999 | -999 |
| D | RYS058 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 61.1 | 0.881 | -0.5 | 13 | -0.001 | 0.006 | -0.001 | -999 | 90 | -0.5 | -2 | 0.01 | -999 | -999 | 150 | 21400 | -999 | 9 | -999 | -999 | -999 |
| D | RYS059 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 61.8 | 0.801 | -0.5 | 19 | 0.001 | 0.008 | -0.001 | -999 | 19 | -0.5 | -2 | -0.007 | -999 | -999 | 40 | 20200 | -999 | 9 | -999 | -999 | -999 |
| D | RYS060 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0038 | 61.3 | 1.125 | -0.5 | 21 | 0.001 | -0.005 | -0.001 | -999 | -10 | -0.5 | -2 | 0.013 | -999 | -999 | 60 | 19350 | -999 | 4 | -999 | -999 | -999 |
| D | RYS061S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0013 | 46.2 | 1.575 | -0.5 | 18 | 0.056 | -0.005 | -0.001 | -999 | 19 | -0.5 | -2 | 0.033 | -999 | -999 | 239 | -1111 | -999 | 14 | -999 | -999 | -999 |
| D | RYS061S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0013 | 56.6 | 1.665 | -0.5 | 13 | 0.003 | 0.011 | 0.001 | -999 | -9 | -0.5 | -2 | 0.035 | -999 | -999 | 143 | 29500 | -999 | 9 | -999 | -999 | -999 |
| D | RYS061S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0126 | 57.6 | 1.56 | -0.5 | 16 | 0.004 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.019 | -999 | -999 | 129 | 28700 | -999 | 8 | -999 | -999 | -999 |
| D | RYS061S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0038 | 57 | 1.605 | -0.5 | 14 | 0.003 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.017 | -999 | -999 | 141 | 28900 | -999 | 8 | -999 | -999 | -999 |
| D | RYS061S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0088 | 55.1 | 1.785 | -0.5 | 13 | 0.003 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.021 | -999 | -999 | 158 | 32100 | -999 | 8 | -999 | -999 | -999 |
| D | RYS066 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 58.2 | 0.947 | -0.5 | 19 | 0.001 | 0.007 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 130 | 26800 | -999 | 2 | -999 | -999 | -999 |
| D | RYS067 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 56.6 | 1.045 | -0.5 | 16 | -0.001 | 0.009 | -0.001 | -999 | 18 | -0.5 | -2 | -0.007 | -999 | -999 | 150 | 30400 | -999 | 8 | -999 | -999 | -999 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|------------------|------------|------------|---------|--------|---------|------|-------|------|-----|----------|----------|----------|------|-----|------|-----|--------|------|------|------|-------|------|-----|------|------|------|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | RYS067S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0303 | 55.7 | 1.005 | -0.5 | 16 | 0.004 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.011 | -999 | -999 | 240 | 33400 | -999 | 7 | -999 | -999 | -999 |
| D | RYS067S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 58.8 | 0.969 | -0.5 | 11 | 0.004 | 0.018 | 0.001 | -999 | 27 | -0.5 | -2 | -0.007 | -999 | -999 | 210 | 24700 | -999 | 6 | -999 | -999 | -999 |
| D | RYS067S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0328 | 57 | 1.095 | -0.5 | 10 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.013 | -999 | -999 | 225 | 25800 | -999 | 6 | -999 | -999 | -999 |
| D | RYS067S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0265 | 56 | 1.055 | -0.5 | 9 | 0.001 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 250 | 25100 | -999 | 7 | -999 | -999 | -999 |
| D | RYS067S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 54.3 | 1.09 | -0.5 | 11 | 0.001 | 0.005 | -0.001 | -999 | 9 | -0.5 | -2 | 0.007 | -999 | -999 | 253 | 32100 | -999 | 8 | -999 | -999 | -999 |
| D | RYS068 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 58.5 | 1.1 | -0.5 | 18 | 0.004 | 0.007 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 70 | 29900 | -999 | 9 | -999 | -999 | -999 |
| D | RYS069 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 48.2 | 1.415 | -0.5 | 21 | 0.001 | 0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.015 | -999 | -999 | 120 | 47000 | -999 | 9 | -999 | -999 | -999 |
| D | RYS075 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 54.9 | 1.21 | -0.5 | 13 | 0.001 | 0.01 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 280 | 34100 | -999 | 6 | -999 | -999 | -999 |
| D | RYS076 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 52.4 | 1.925 | -0.5 | 13 | -0.001 | 0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 400 | 32900 | -999 | 12 | -999 | -999 | -999 |
| D | RYS077 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 39 | 0.903 | -0.5 | 7 | 0.068 | 0.015 | 0.001 | -999 | 185 | -0.5 | -2 | -0.007 | -999 | -999 | 3230 | 20400 | -999 | 9 | -999 | -999 | -999 |
| D | RYS078 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 42.7 | 1.895 | -0.5 | 10 | -0.001 | -0.005 | -0.001 | -999 | 65 | -0.5 | -2 | 0.028 | -999 | -999 | 1300 | 28900 | -999 | 18 | -999 | -999 | -999 |
| D | RYS079 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 48.3 | 2.01 | -0.5 | 12 | 0.001 | 0.012 | -0.001 | -999 | -9 | -0.5 | -2 | 0.035 | -999 | -999 | 630 | 40800 | -999 | 11 | -999 | -999 | -999 |
| D | RYS080 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 48.3 | 2.64 | -0.5 | 9 | 0.008 | 0.012 | -0.001 | -999 | -9 | -0.5 | -2 | 0.01 | -999 | -999 | 810 | 36500 | -999 | 8 | -999 | -999 | -999 |
| D | RYS085S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.034 | 34.9 | 1.22 | -0.5 | 23 | 0.003 | -0.005 | 0.001 | -999 | -10 | -0.5 | -2 | 0.031 | -999 | -999 | 176 | -1111 | -999 | 9 | -999 | -999 | -999 |
| D | RYS085S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0315 | 56.9 | 1.46 | -0.5 | 27 | 0.003 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.046 | -999 | -999 | 148 | 29300 | -999 | 6 | -999 | -999 | -999 |
| D | RYS085S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.029 | 56.7 | 1.355 | -0.5 | 27 | 0.004 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.031 | -999 | -999 | 145 | 28500 | -999 | 5 | -999 | -999 | -999 |
| D | RYS085S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0315 | 57.8 | 1.32 | -0.5 | 30 | 0.004 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.01 | -999 | -999 | 179 | 29800 | -999 | 6 | -999 | -999 | -999 |
| D | RYS085S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.024 | 54.1 | 1.56 | -0.5 | 23 | 0.002 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.025 | -999 | -999 | 185 | 33700 | -999 | 6 | -999 | -999 | -999 |
| D | RYS090S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 28 | 0.86 | -0.5 | 21 | 0.003 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.014 | -999 | -999 | 152 | -1111 | -999 | 9 | -999 | -999 | -999 |
| D | RYS090S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 60 | 0.891 | -0.5 | 30 | 0.003 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.007 | -999 | -999 | 78 | 20300 | -999 | 2 | -999 | -999 | -999 |
| D | RYS090S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 60.6 | 0.937 | -0.5 | 31 | 0.004 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 106 | 25000 | -999 | 3 | -999 | -999 | -999 |
| D | RYS090S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.024 | 59.6 | 0.975 | -0.5 | 29 | 0.003 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 121 | 29800 | -999 | 4 | -999 | -999 | -999 |
| D | RYS090S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0303 | 55.2 | 1.31 | -0.5 | 23 | 0.001 | 0.01 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 212 | 31400 | -999 | 6 | -999 | -999 | -999 |
| D | RYS095 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 55.1 | 1.11 | -0.5 | 32 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.008 | -999 | -999 | 70 | 23400 | -999 | 2 | -999 | -999 | -999 |
| D | RYS096 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 44.6 | 1.04 | -0.5 | 26 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 32100 | -999 | 7 | -999 | -999 | -999 |
| D | RYS097 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 54.8 | 1.16 | -0.5 | 18 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 250 | 34700 | -999 | 8 | -999 | -999 | -999 |
| D | RYS098 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 61.2 | 0.787 | -0.5 | 13 | -0.001 | 0.007 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 110 | 24600 | -999 | 2 | -999 | -999 | -999 |
| D | RYS099 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 40.2 | 1.36 | -0.5 | 27 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 180 | 38600 | -999 | 6 | -999 | -999 | -999 |
| D | RYS100 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 15 | 1.985 | -0.5 | 18 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 50 | 19850 | -999 | 8 | -999 | -999 | -999 |
| D | RYS101 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 3.39 | 1.685 | -0.5 | 10 | -0.001 | -0.005 | -0.001 | -999 | 37 | -0.5 | -2 | 0.015 | -999 | -999 | 70 | 35200 | -999 | 5 | -999 | -999 | -999 |
| D | RYS103S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0252 | 41.2 | 0.869 | -0.5 | 24 | 0.004 | 0.006 | 0.001 | -999 | -9 | -0.5 | -2 | 0.007 | -999 | -999 | 172 | 66800 | -999 | 6 | -999 | -999 | -999 |
| D | RYS103S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0252 | 61.2 | 0.88 | -0.5 | 27 | 0.004 | 0.006 | -0.001 | -999 | -9 | -0.5 | -2 | 0.008 | -999 | -999 | 129 | 23400 | -999 | 2 | -999 | -999 | -999 |
| D | RYS103S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.034 | 60.5 | 0.858 | -0.5 | 24 | 0.004 | 0.006 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 163 | 26300 | -999 | 3 | -999 | -999 | -999 |
| D | RYS103S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0315 | 61.1 | 0.904 | -0.5 | 14 | 0.003 | 0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.019 | -999 | -999 | 167 | 30300 | -999 | 4 | -999 | -999 | -999 |
| D | RYS103S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0277 | 53.4 | 1.15 | -0.5 | 16 | 0.008 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 274 | 50900 | -999 | 7 | -999 | -999 | -999 |
| D | RYS109S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0227 | 49.9 | 1.07 | -0.5 | 29 | 0.003 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 80 | 35500 | -999 | 5 | -999 | -999 | -999 |
| D | RYS109S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0328 | 60.6 | 0.923 | -0.5 | 26 | 0.004 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 75 | 19000 | -999 | 2 | -999 | -999 | -999 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|------------------|------------|------------|---------|--------|---------|------|-------|------|-----|----------|----------|----------|------|-----|------|-----|--------|------|------|-----|-------|------|-----|------|------|------|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | RYS109S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0277 | 61 | 0.851 | -0.5 | 22 | 0.004 | 0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 76 | 19550 | -999 | 2 | -999 | -999 | -999 |
| D | RYS109S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0328 | 59.8 | 0.766 | -0.5 | 21 | 0.005 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 89 | 23800 | -999 | 2 | -999 | -999 | -999 |
| D | RYS109S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 56.7 | 1.01 | -0.5 | 20 | 0.004 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.011 | -999 | -999 | 100 | 25600 | -999 | 2 | -999 | -999 | -999 |
| D | RYS115S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0353 | 57.9 | 1.06 | -0.5 | 16 | 0.004 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.016 | -999 | -999 | 41 | 23100 | -999 | 1 | -999 | -999 | -999 |
| D | RYS115S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0265 | 62.4 | 0.984 | -0.5 | 13 | 0.003 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.017 | -999 | -999 | 33 | 10300 | -999 | 1 | -999 | -999 | -999 |
| D | RYS115S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0315 | 62.5 | 0.899 | -0.5 | 9 | 0.004 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.017 | -999 | -999 | 37 | 11750 | -999 | 1 | -999 | -999 | -999 |
| D | RYS115S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0265 | 62 | 0.809 | -0.5 | 9 | 0.003 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.009 | -999 | -999 | 48 | 15950 | -999 | 1 | -999 | -999 | -999 |
| D | RYS115S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.034 | 59.8 | 0.867 | -0.5 | 14 | 0.004 | 0.01 | -0.001 | -999 | -9 | -0.5 | -2 | 0.01 | -999 | -999 | 64 | 18900 | -999 | 2 | -999 | -999 | -999 |
| D | RYS128S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0366 | 59.6 | 0.988 | -0.5 | 33 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.039 | -999 | -999 | 89 | 20300 | -999 | 4 | -999 | -999 | -999 |
| D | RYS128S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0378 | 61.7 | 0.894 | -0.5 | 30 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.022 | -999 | -999 | 87 | 19000 | -999 | 5 | -999 | -999 | -999 |
| D | RYS128S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | 0.0315 | 61.3 | 0.959 | -0.5 | 19 | 0.003 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.021 | -999 | -999 | 95 | 20800 | -999 | 4 | -999 | -999 | -999 |
| D | RYS128S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.029 | 59.4 | 0.987 | -0.5 | 16 | 0.003 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.029 | -999 | -999 | 100 | 23100 | -999 | 8 | -999 | -999 | -999 |
| D | RYS128S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0252 | 55.7 | 1.36 | -0.5 | 11 | 0.003 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.022 | -999 | -999 | 109 | 22200 | -999 | 7 | -999 | -999 | -999 |
| D | RYS132 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 62.4 | 0.854 | 0.7 | 13 | -0.001 | -0.005 | -0.001 | -999 | 9 | -0.5 | -2 | -0.007 | -999 | -999 | 100 | 15000 | -999 | 2 | -999 | -999 | -999 |
| D | RYS133 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 62.9 | 0.837 | -0.5 | 21 | -0.001 | -0.005 | -0.001 | -999 | 55 | -0.5 | -2 | -0.007 | -999 | -999 | 60 | 15300 | -999 | 8 | -999 | -999 | -999 |
| D | RYS133S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 59.7 | 1.035 | -0.5 | 24 | -0.001 | -0.005 | -0.001 | -999 | 70 | -0.5 | -2 | 0.018 | -999 | -999 | 63 | 16350 | -999 | 3 | -999 | -999 | -999 |
| D | RYS133S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 62.3 | 0.959 | -0.5 | 26 | -0.001 | -0.005 | -0.001 | -999 | 122 | -0.5 | -2 | 0.014 | -999 | -999 | 67 | 13650 | -999 | 2 | -999 | -999 | -999 |
| D | RYS133S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0265 | 61.7 | 0.955 | -0.5 | 16 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.025 | -999 | -999 | 77 | 15850 | -999 | 3 | -999 | -999 | -999 |
| D | RYS133S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0252 | 61 | 0.898 | -0.5 | 15 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.009 | -999 | -999 | 83 | 17000 | -999 | 3 | -999 | -999 | -999 |
| D | RYS133S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | 0.0353 | 58.7 | 1.065 | -0.5 | 12 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.019 | -999 | -999 | 96 | 20800 | -999 | 3 | -999 | -999 | -999 |
| D | RYS134 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 58.6 | 1.12 | -0.5 | 14 | -0.001 | -0.005 | -0.001 | -999 | 37 | -0.5 | -2 | 0.106 | -999 | -999 | 90 | 19400 | -999 | 2 | -999 | -999 | -999 |
| D | RYS135 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 62.6 | 0.839 | -0.5 | 20 | -0.001 | -0.005 | -0.001 | -999 | 9 | -0.5 | -2 | -0.007 | -999 | -999 | 40 | 16550 | -999 | 10 | -999 | -999 | -999 |
| D | RYS136 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0025 | 59 | 0.992 | -0.5 | 20 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.013 | -999 | -999 | 110 | 22500 | -999 | 9 | -999 | -999 | -999 |
| D | RYS137 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 46.5 | 1.07 | -0.5 | 21 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 130 | 40100 | -999 | 5 | -999 | -999 | -999 |
| D | RYS138 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 52.8 | 1.275 | -0.5 | 27 | -0.001 | -0.005 | -0.001 | -999 | 18 | -0.5 | -2 | -0.007 | -999 | -999 | 90 | 31700 | -999 | 6 | -999 | -999 | -999 |
| D | RYS139 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 58.1 | 1.22 | -0.5 | 26 | -0.001 | -0.005 | -0.001 | -999 | 9 | -0.5 | -2 | -0.007 | -999 | -999 | 60 | 17500 | -999 | 7 | -999 | -999 | -999 |
| D | RYS140 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0088 | 57.4 | 1.07 | -0.5 | 16 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 70 | 16600 | -999 | 3 | -999 | -999 | -999 |
| D | RYS146S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 59.3 | 0.838 | -0.5 | 29 | 0.001 | -0.005 | -0.001 | -999 | 130 | -0.5 | -2 | 0.017 | -999 | -999 | 117 | 24300 | -999 | 3 | -999 | -999 | -999 |
| D | RYS146S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 62.1 | 0.823 | -0.5 | 23 | 0.001 | -0.005 | 0.001 | -999 | 184 | -0.5 | -2 | 0.012 | -999 | -999 | 91 | 17700 | -999 | 3 | -999 | -999 | -999 |
| D | RYS146S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 62.9 | 0.793 | -0.5 | 18 | 0.001 | -0.005 | -0.001 | -999 | 70 | -0.5 | -2 | 0.012 | -999 | -999 | 84 | 17500 | -999 | 3 | -999 | -999 | -999 |
| D | RYS146S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 61.8 | 0.936 | -0.5 | 11 | 0.001 | -0.005 | -0.001 | -999 | 188 | -0.5 | -2 | 0.016 | -999 | -999 | 91 | 19000 | -999 | 2 | -999 | -999 | -999 |
| D | RYS146S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 60.8 | 0.992 | -0.5 | 12 | 0.001 | -0.005 | -0.001 | -999 | 118 | -0.5 | -2 | 0.018 | -999 | -999 | 87 | 19000 | -999 | 3 | -999 | -999 | -999 |
| D | RYS149S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 25.1 | 0.857 | -0.5 | 18 | 0.001 | 0.01 | -0.001 | -999 | -9 | -0.5 | -2 | 0.022 | -999 | -999 | 93 | -1111 | -999 | 7 | -999 | -999 | -999 |
| D | RYS149S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 54.3 | 0.885 | -0.5 | 28 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 41 | 14600 | -999 | 2 | -999 | -999 | -999 |
| D | RYS149S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 55 | 0.919 | -0.5 | 25 | -0.001 | -0.005 | -0.001 | -999 | 79 | -0.5 | -2 | 0.012 | -999 | -999 | 46 | 17150 | -999 | 2 | -999 | -999 | -999 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|------------------|------------|------------|---------|--------|---------|------|-------|------|-----|----------|----------|----------|------|-----|------|-----|--------|------|------|------|-------|------|-----|------|------|------|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | RYS149S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 57.9 | 0.771 | -0.5 | 24 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 55 | 18250 | -999 | 2 | -999 | -999 | -999 |
| D | RYS149S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 50.4 | 0.859 | -0.5 | 21 | 0.001 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.009 | -999 | -999 | 55 | 20000 | -999 | 2 | -999 | -999 | -999 |
| D | RYS159 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 48.2 | 3.64 | -0.5 | -5 | -0.001 | -0.005 | -0.001 | -999 | -9 | 0.9 | -2 | -0.007 | -999 | -999 | 1600 | 29100 | -999 | 9 | -999 | -999 | -999 |
| D | RYS159S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 46.3 | 1.135 | -0.5 | 23 | 0.001 | -0.005 | -0.001 | -999 | 102 | -0.5 | -2 | 0.021 | -999 | -999 | 121 | 40500 | -999 | 5 | -999 | -999 | -999 |
| D | RYS159S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 63.8 | 1.01 | -0.5 | 21 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 101 | 16000 | -999 | 2 | -999 | -999 | -999 |
| D | RYS159S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 62.9 | 1.04 | -0.5 | 17 | -0.001 | -0.005 | -0.001 | -999 | 164 | -0.5 | -2 | 0.012 | -999 | -999 | 103 | 15600 | -999 | 7 | -999 | -999 | -999 |
| D | RYS159S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | 0.001 | -0.0013 | 64.6 | 0.862 | -0.5 | 12 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 92 | 15100 | -999 | 2 | -999 | -999 | -999 |
| D | RYS159S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 62.2 | 0.948 | -0.5 | 15 | 0.002 | -0.005 | -0.001 | -999 | 54 | -0.5 | -2 | -0.007 | -999 | -999 | 127 | 19700 | -999 | 2 | -999 | -999 | -999 |
| D | RYS160 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | -0.0013 | 53.3 | 1.46 | -0.5 | 26 | -0.001 | 0.007 | -0.001 | -999 | -10 | -0.5 | -2 | -0.007 | -999 | -999 | 20 | 42300 | -999 | 9 | -999 | -999 | -999 |
| D | RYS161 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 56.2 | 1.635 | -0.5 | 18 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 230 | 23800 | -999 | 8 | -999 | -999 | -999 |
| D | RYS162 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 52.3 | 1.725 | -0.5 | 20 | 0.001 | 0.007 | -0.001 | -999 | 27 | -0.5 | -2 | -0.007 | -999 | -999 | 200 | 31400 | -999 | 8 | -999 | -999 | -999 |
| D | RYS163 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0113 | 52.2 | 1.595 | -0.5 | 21 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 60 | 36200 | -999 | 7 | -999 | -999 | -999 |
| D | RYS164 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0151 | 56.5 | 1.155 | -0.5 | 21 | -0.001 | -0.005 | 0.001 | -999 | 9 | -0.5 | -2 | -0.007 | -999 | -999 | 80 | 29000 | -999 | 4 | -999 | -999 | -999 |
| D | RYS165 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0177 | 61.8 | 1.07 | 0.5 | 19 | -0.001 | -0.005 | 0.001 | -999 | 45 | -0.5 | -2 | -0.007 | -999 | -999 | 80 | 19500 | -999 | 4 | -999 | -999 | -999 |
| D | RYS165S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 49.8 | 1.2 | -0.5 | 11 | 0.001 | -0.005 | -0.001 | -999 | 122 | -0.5 | 27 | 0.011 | -999 | -999 | 85 | 44800 | -999 | 2 | -999 | -999 | -999 |
| D | RYS165S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 60.9 | 1.175 | -0.5 | 14 | 0.004 | -0.005 | -0.001 | -999 | 80 | -0.5 | 11 | -0.007 | -999 | -999 | 63 | 21800 | -999 | 2 | -999 | -999 | -999 |
| D | RYS165S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 62.1 | 1.105 | -0.5 | 8 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | 13 | 0.009 | -999 | -999 | 69 | 19150 | -999 | 3 | -999 | -999 | -999 |
| D | RYS165S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 62.1 | 0.97 | -0.5 | 14 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | 15 | -0.007 | -999 | -999 | 75 | 22900 | -999 | 4 | -999 | -999 | -999 |
| D | RYS165S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 57.3 | 1.405 | -0.5 | 5 | -0.001 | -0.005 | -0.001 | -999 | 61 | -0.5 | 19 | 0.01 | -999 | -999 | 82 | 24800 | -999 | 5 | -999 | -999 | -999 |
| D | RYS166 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 56.9 | 1.06 | -0.5 | 20 | -0.001 | -0.005 | -0.001 | -999 | 18 | -0.5 | -2 | -0.007 | -999 | -999 | 40 | 24000 | -999 | 4 | -999 | -999 | -999 |
| D | RYS167 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0164 | 61.1 | 0.958 | -0.5 | 19 | -0.001 | 0.005 | -0.001 | -999 | 14 | -0.5 | -2 | -0.007 | -999 | -999 | 40 | 19600 | -999 | 3 | -999 | -999 | -999 |
| D | RYS168 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 30.5 | 0.943 | -0.5 | 10 | 0.004 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.047 | -999 | -999 | 550 | 30800 | -999 | 7 | -999 | -999 | -999 |
| D | RYS171S_<1.6 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 48.3 | 1.02 | -0.5 | 13 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | 28 | 0.009 | -999 | -999 | 110 | 39700 | -999 | 3 | -999 | -999 | -999 |
| D | RYS171S_>1.6<3.2 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 61.8 | 1.075 | -0.5 | 15 | 0.001 | -0.005 | -0.001 | -999 | 81 | -0.5 | 14 | 0.016 | -999 | -999 | 80 | 20900 | -999 | 3 | -999 | -999 | -999 |
| D | RYS171S_>3.2<4.8 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 61.9 | 0.983 | -0.5 | 9 | 0.001 | -0.005 | -0.001 | -999 | 54 | -0.5 | 9 | 0.009 | -999 | -999 | 87 | 22100 | -999 | 5 | -999 | -999 | -999 |
| D | RYS171S_>4.8<6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 60.8 | 0.971 | -0.5 | 6 | -0.001 | -0.005 | -0.001 | -999 | 71 | -0.5 | 14 | -0.007 | -999 | -999 | 99 | 26200 | -999 | 3 | -999 | -999 | -999 |
| D | RYS171S_>6.4 | AD11242670 | 9/01/2012 | -0.0008 | -0.001 | -0.0013 | 57.9 | 0.993 | -0.5 | 7 | -0.001 | -0.005 | 0.001 | -999 | 70 | -0.5 | 19 | 0.01 | -999 | -999 | 82 | 26700 | -999 | 2 | -999 | -999 | -999 |
| D | RYS219 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0202 | 31.8 | 1.945 | -0.5 | -5 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 220 | 13000 | -999 | 4 | -999 | -999 | -999 |
| D | RYS220 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 47.1 | 1.68 | -0.5 | 15 | -0.001 | 0.007 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 220 | 49300 | -999 | 9 | -999 | -999 | -999 |
| D | RYS221 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0202 | 45.8 | 0.949 | -0.5 | 18 | -0.001 | -0.005 | 0.001 | -999 | 66 | -0.5 | -2 | 0.026 | -999 | -999 | 2080 | 48300 | -999 | 10 | -999 | -999 | -999 |
| D | RYS222 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0113 | 47.2 | 4.9 | -0.5 | 13 | -0.001 | -0.005 | -0.001 | -999 | 35 | -0.5 | -2 | -0.007 | -999 | -999 | 950 | 31100 | -999 | 13 | -999 | -999 | -999 |
| D | RYS223 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0164 | 51 | 2.04 | -0.5 | 16 | -0.001 | 0.008 | -0.001 | -999 | 24 | -0.5 | -2 | -0.007 | -999 | -999 | 1870 | 40300 | -999 | 11 | -999 | -999 | -999 |
| D | RYS224 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0126 | 48.1 | 2.73 | -0.5 | 13 | 0.001 | 0.013 | 0.003 | -999 | -9 | -0.5 | -2 | 0.007 | -999 | -999 | 470 | 40200 | -999 | 12 | -999 | -999 | -999 |
| D | RYS225 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 49.1 | 2.89 | -0.5 | 12 | -0.001 | 0.006 | 0.001 | -999 | 48 | -0.5 | -2 | -0.007 | -999 | -999 | 2130 | 24500 | -999 | 13 | -999 | -999 | -999 |
| D | RYS226 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0139 | 46.3 | 4.18 | -0.5 | 11 | 0.001 | 0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 680 | 21300 | -999 | 10 | -999 | -999 | -999 |
| D | RYS227 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 38 | 2.72 | -0.5 | 17 | 0.001 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.027 | -999 | -999 | 1280 | 47200 | -999 | 14 | -999 | -999 | -999 |
| D | RYS228 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 45 | 2.12 | -0.5 | 20 | -0.001 | 0.006 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 800 | 57500 | -999 | 10 | -999 | -999 | -999 |
| D | RYS229 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 53.3 | 1.365 | -0.5 | 14 | -0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 340 | 47000 | -999 | 7 | -999 | -999 | -999 |
| D | RYS230 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0164 | 50.9 | 1.765 | -0.5 | 9 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 590 | 44100 | -999 | 4 | -999 | -999 | -999 |
| D | RYS231 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 56.6 | 1.03 | -0.5 | 10 | -0.001 | -0.005 | -0.001 | -999 | 50 | -0.5 | -2 | -0.007 | -999 | -999 | 220 | 34800 | -999 | -1 | -999 | -999 | -999 |
| D | RYS232 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0164 | 48.4 | 2.86 | -0.5 | 11 | -0.001 | -0.005 | -0.001 | -999 | 21 | -0.5 | -2 | -0.007 | -999 | -999 | 250 | 42400 | -999 | 7 | -999 | -999 | -999 |
| D | RYS233 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0189 | 31.2 | 2.08 | -0.5 | 9 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.065 | -999 | -999 | 1400 | 23100 | -999 | 8 | -999 | -999 | -999 |
| D | RYS234 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0214 | 38.1 | 2.07 | -0.5 | -5 | -0.001 | -0.005 | -0.001 | -999 | -9 | 0.5 | -2 | 0.013 | -999 | -999 | 1400 | 23600 | -999 | 4 | -999 | -999 | -999 |
| D | RYS235 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0202 | 38 | 0.699 | 0.6 | -5 | 0.003 | 0.006 | -0.001 | -999 | 36 | -0.5 | -2 | 0.038 | -999 | -999 | 1140 | 44800 | -999 | 1 | -999 | -999 | -999 |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF % | Sn_MS % | WO3 % | Fe % | Al % | Ag ppm | As ppm | Au_FAppm ppm | Pt_FAppm ppm | Pd_FAppm ppm | B ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cs ppm | Cu ppm | Ga ppm | Ge ppm | Hf ppm |
|-------|--------|------------|------------|-------------|------------|----------|---------|---------|-----------|-----------|-----------------|-----------------|-----------------|----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| D | RYS236 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0189 | 50.9 | 1.065 | -0.5 | -5 | -0.001 | 0.011 | -0.001 | -999 | 59 | -0.5 | -2 | -0.007 | -999 | -999 | 1770 | 53500 | -999 | 1 | -999 | -999 | -999 |
| D | RYS237 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 51.5 | 1.34 | -0.5 | -5 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.026 | -999 | -999 | 2700 | 22900 | -999 | 7 | -999 | -999 | -999 |
| D | RYS238 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 47.5 | 1.405 | 0.9 | 8 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 280 | 33700 | -999 | 2 | -999 | -999 | -999 |
| D | RYS240 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0227 | 32.8 | 2.8 | 0.6 | 7 | -0.001 | -0.005 | -0.001 | -999 | -10 | -0.5 | -2 | 0.029 | -999 | -999 | 670 | 66600 | -999 | 4 | -999 | -999 | -999 |
| D | RYS241 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 41.7 | 2.32 | -0.5 | 8 | 0.009 | 0.009 | -0.001 | -999 | 36 | -0.5 | -2 | 0.008 | -999 | -999 | 940 | 67700 | -999 | 5 | -999 | -999 | -999 |
| D | RYS242 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0164 | 47 | 1.39 | -0.5 | -5 | 0.001 | -0.005 | -0.001 | -999 | -10 | 0.6 | -2 | -0.007 | -999 | -999 | 2770 | 21200 | -999 | 11 | -999 | -999 | -999 |
| D | RYS243 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 49.2 | 1.575 | -0.5 | 7 | -0.001 | -0.005 | -0.001 | -999 | 17 | -0.5 | -2 | -0.007 | -999 | -999 | 610 | 57700 | -999 | 3 | -999 | -999 | -999 |
| D | RYS244 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0164 | 49.9 | 1.715 | 0.7 | 10 | -0.001 | 0.007 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 430 | 39800 | -999 | 5 | -999 | -999 | -999 |
| D | RYS245 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0164 | 46 | 2.03 | -0.5 | 6 | -0.001 | 0.006 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 630 | 41900 | -999 | 5 | -999 | -999 | -999 |
| D | RYS246 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0126 | 43.9 | 2.13 | -0.5 | 15 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 400 | 63200 | -999 | 5 | -999 | -999 | -999 |
| D | RYS247 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0202 | 48.4 | 2.26 | 0.5 | 8 | 0.001 | -0.005 | -0.001 | -999 | 21 | -0.5 | -2 | -0.007 | -999 | -999 | 1580 | 33100 | -999 | 7 | -999 | -999 | -999 |
| D | RYS248 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 49 | 1.36 | 1.4 | -5 | 0.027 | 0.008 | -0.001 | -999 | -9 | -0.5 | -2 | 0.021 | -999 | -999 | 6650 | 37000 | -999 | 6 | -999 | -999 | -999 |
| D | RYS249 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 46.8 | 2.22 | -0.5 | 10 | 0.003 | 0.007 | -0.001 | -999 | 22 | -0.5 | -2 | -0.007 | -999 | -999 | 2040 | 33600 | -999 | 8 | -999 | -999 | -999 |
| D | RYS250 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 50.8 | 1.805 | -0.5 | 7 | 0.002 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 1300 | 43800 | -999 | 10 | -999 | -999 | -999 |
| D | RYS251 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 49.5 | 1.725 | 1.2 | 10 | 0.001 | -0.005 | -0.001 | -999 | 37 | -0.5 | -2 | -0.007 | -999 | -999 | 1880 | 51600 | -999 | 6 | -999 | -999 | -999 |
| D | RYS252 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0189 | 51.3 | 2.61 | -0.5 | 6 | 0.002 | 0.008 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 1440 | 33100 | -999 | 5 | -999 | -999 | -999 |
| D | RYS253 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 50.1 | 1.675 | -0.5 | 8 | 0.002 | -0.005 | -0.001 | -999 | 17 | -0.5 | -2 | 0.012 | -999 | -999 | 1940 | 44700 | -999 | 6 | -999 | -999 | -999 |
| D | RYS254 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 50.6 | 1.655 | -0.5 | -5 | 0.001 | -0.005 | -0.001 | -999 | 17 | -0.5 | -2 | -0.007 | -999 | -999 | 1820 | 47500 | -999 | 4 | -999 | -999 | -999 |
| D | RYS255 | AD11255214 | 10/02/2012 | 0.273 | -0.001 | 0.0353 | 2.78 | 7.32 | 0.9 | 9 | 0.002 | 0.006 | -0.001 | -999 | 336 | -0.5 | -2 | 0.076 | -999 | -999 | -10 | 243 | -999 | 4 | -999 | -999 | -999 |
| D | RYS256 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0164 | 46.5 | 2.82 | 0.6 | 7 | 0.003 | 0.007 | -0.001 | -999 | -9 | -0.5 | -2 | 0.529 | -999 | -999 | -10 | 27 | -999 | 5 | -999 | -999 | -999 |
| D | RYS257 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0202 | 37.3 | 2.1 | -0.5 | 8 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.061 | -999 | -999 | 1240 | 22100 | -999 | 5 | -999 | -999 | -999 |
| D | RYS258 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 52.2 | 2.16 | -0.5 | 7 | 0.001 | 0.008 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 1280 | 31500 | -999 | 5 | -999 | -999 | -999 |
| D | RYS259 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0189 | 46.2 | 1.325 | 0.8 | -5 | 0.002 | -0.005 | -0.001 | -999 | 79 | -0.5 | -2 | 0.02 | -999 | -999 | 3050 | 34100 | -999 | 5 | -999 | -999 | -999 |
| D | RYS260 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0101 | 51.3 | 1.835 | 1.3 | 5 | 0.003 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 550 | 36700 | -999 | 5 | -999 | -999 | -999 |
| D | RYS261 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0164 | 50.6 | 2.1 | -0.5 | 10 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 650 | 43800 | -999 | 5 | -999 | -999 | -999 |
| D | RYS262 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0076 | 51.9 | 1.82 | 0.7 | 11 | 0.001 | -0.005 | -0.001 | -999 | 9 | -0.5 | -2 | -0.007 | -999 | -999 | 630 | 51400 | -999 | 4 | -999 | -999 | -999 |
| D | RYS263 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0214 | 31.2 | 2.93 | -0.5 | -5 | 0.001 | 0.006 | 0.001 | -999 | -10 | -0.5 | -2 | 0.029 | -999 | -999 | 760 | 34400 | -999 | -1 | -999 | -999 | -999 |
| D | RYS264 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 29.2 | 0.745 | -0.5 | -5 | 0.001 | 0.006 | -0.001 | -999 | -9 | -0.5 | -2 | 0.024 | -999 | -999 | 490 | 25300 | -999 | 1 | -999 | -999 | -999 |
| D | RYS265 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0214 | 31 | 0.507 | 0.6 | -5 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.017 | -999 | -999 | 1210 | 34000 | -999 | -1 | -999 | -999 | -999 |
| D | RYS267 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 38.2 | 0.842 | 0.5 | -5 | 0.001 | 0.005 | -0.001 | -999 | 24 | -0.5 | -2 | 0.04 | -999 | -999 | 980 | 37100 | -999 | 3 | -999 | -999 | -999 |
| D | RYS268 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 52.6 | 1.53 | -0.5 | 19 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 340 | 52000 | -999 | 3 | -999 | -999 | -999 |
| D | RYS269 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 45.6 | 2.12 | -0.5 | 5 | 0.001 | -0.005 | 0.001 | -999 | 54 | -0.5 | -2 | -0.007 | -999 | -999 | 400 | -1111 | -999 | 6 | -999 | -999 | -999 |
| D | RYS270 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0164 | 45.4 | 2.33 | -0.5 | 15 | 0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 310 | 58600 | -999 | 7 | -999 | -999 | -999 |
| D | RYS271 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 42 | 1.47 | -0.5 | -5 | 0.001 | -0.005 | -0.001 | -999 | 52 | -0.5 | -2 | 0.01 | -999 | -999 | 1700 | 36700 | -999 | 2 | -999 | -999 | -999 |
| D | RYS272 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 49.9 | 1.48 | 0.7 | 5 | 0.002 | 0.005 | -0.001 | -999 | 203 | -0.5 | -2 | 0.016 | -999 | -999 | 2840 | 32600 | -999 | 5 | -999 | -999 | -999 |
| D | RYS273 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0189 | 52.6 | 1.89 | -0.5 | -5 | 0.002 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 2120 | 21000 | -999 | 2 | -999 | -999 | -999 |
| D | RYS274 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 49.8 | 3.47 | -0.5 | -5 | 0.002 | 0.007 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 630 | 26400 | -999 | 6 | -999 | -999 | -999 |
| D | RYS275 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 49.9 | 1.475 | -0.5 | 12 | 0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 510 | 58200 | -999 | 4 | -999 | -999 | -999 |
| D | RYS276 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0202 | 49.4 | 1.91 | -0.5 | 13 | 0.002 | -0.005 | 0.001 | -999 | 11 | -0.5 | -2 | -0.007 | -999 | -999 | 420 | 58100 | -999 | 4 | -999 | -999 | -999 |
| D | RYS277 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 46.3 | 1.875 | 0.6 | 12 | 0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 370 | 64500 | -999 | 5 | -999 | -999 | -999 |
| D | RYS278 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0189 | 49.1 | 1.965 | 0.8 | 11 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 360 | 65600 | -999 | 5 | -999 | -999 | -999 |
| D | RYS279 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0088 | 48.9 | 1.835 | 0.5 | 18 | 0.002 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 290 | 63500 | -999 | 7 | -999 | -999 | -999 |
| D | RYS280 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 46.1 | 2.29 | 0.6 | 10 | 0.002 | -0.005 | 0.001 | -999 | 10 | -0.5 | -2 | 0.022 | -999 | -999 | 600 | 35700 | -999 | 7 | -999 | -999 | -999 |
| D | RYS281 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 47.8 | 4.2 | 0.9 | -5 | 0.002 | 0.006 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 2690 | 32600 | -999 | 7 | -999 | -999 | -999 |
| D | RYS282 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0101 | 47.7 | 1.925 | -0.5 | 13 | 0.001 | 0.005 | 0.001 | -999 | 52 | -0.5 | -2 | -0.007 | -999 | -999 | 410 | 64800 | -999 | 4 | -999 | -999 | -999 |
| D | RYS283 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0088 | 43 | 2.53 | -0.5 | 11 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 590 | 63200 | -999 | 5 | -999 | -999 | -999 |
| D | RYS284 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0063 | 35.8 | 2.46 | -0.5 | 16 | 0.001 | -0.005 | 0.001 | -999 | 18 | -0.5 | -2 | -0.007 | -999 | -999 | 210 | -1111 | -999 | 5 | -999 | -999 | -999 |
| D | RYS285 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0076 | 43.2 | | | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | Batch | Date | Sn_XRF | Sn_MS | WO3 | Fe | Al | Ag | As | Au_FAppm | Pt_FAppm | Pd_FAppm | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Ga | Ge | Hf |
|-------|---------|------------|------------|---------|--------|---------|-------|-------|------|-----|----------|----------|----------|------|-----|------|-----|--------|------|------|------|-------|------|-----|------|------|------|
| H1001 | | | | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | RYS294 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.005 | 44.7 | 1.75 | -0.5 | 13 | 0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 180 | 67000 | -999 | 2 | -999 | -999 | -999 |
| D | RYS295 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 50.1 | 1.94 | -0.5 | 20 | 0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 45600 | -999 | 2 | -999 | -999 | -999 |
| D | RYS296 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.005 | 49.5 | 1.92 | 0.6 | 17 | 0.001 | 0.006 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 190 | 56300 | -999 | 2 | -999 | -999 | -999 |
| D | RYS297 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0063 | 44.5 | 1.045 | -0.5 | 15 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 110 | 37400 | -999 | -1 | -999 | -999 | -999 |
| D | RYS299 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0063 | 56.6 | 1.095 | 0.5 | 21 | 0.002 | -0.005 | -0.001 | -999 | 61 | -0.5 | -2 | -0.007 | -999 | -999 | 70 | 25000 | -999 | -1 | -999 | -999 | -999 |
| D | RYS300 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.005 | 39.4 | 1.53 | -0.5 | 26 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 90 | 36000 | -999 | 1 | -999 | -999 | -999 |
| D | RYS301 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0088 | 33.3 | 1.36 | -0.5 | 27 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.007 | -999 | -999 | 80 | 41000 | -999 | 7 | -999 | -999 | -999 |
| D | RYS301A | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.0013 | 47.7 | 1.62 | -0.5 | 26 | 0.001 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 50 | 25300 | -999 | 2 | -999 | -999 | -999 |
| D | RYS302 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0063 | 49.6 | 3.02 | 0.8 | 10 | 0.001 | 0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 370 | 28900 | -999 | 5 | -999 | -999 | -999 |
| D | RYS303 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0025 | 46.4 | 2.44 | 0.8 | 20 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 100 | 38100 | -999 | 3 | -999 | -999 | -999 |
| D | RYS304 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0101 | 34 | 2.08 | -0.5 | 15 | 0.001 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | -1111 | -999 | 2 | -999 | -999 | -999 |
| D | RYS305 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0025 | 46 | 1.29 | 0.6 | 20 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 52100 | -999 | 2 | -999 | -999 | -999 |
| D | RYS306 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0076 | 41.3 | 2.39 | -0.5 | 12 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.024 | -999 | -999 | 410 | 28900 | -999 | 4 | -999 | -999 | -999 |
| D | RYS307 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.005 | 30.1 | 4.72 | -0.5 | 14 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 90 | 54000 | -999 | 1 | -999 | -999 | -999 |
| D | RYS308 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0076 | 41.9 | 4.69 | -0.5 | 8 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.012 | -999 | -999 | 260 | 33600 | -999 | 3 | -999 | -999 | -999 |
| D | RYS309 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 46.8 | 1.73 | 0.5 | 20 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 170 | 27300 | -999 | -1 | -999 | -999 | -999 |
| D | RYS310 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0088 | 35.4 | 1.57 | 0.5 | 5 | 0.001 | -0.005 | 0.001 | -999 | -9 | -0.5 | -2 | 0.033 | -999 | -999 | 1020 | 35100 | -999 | -1 | -999 | -999 | -999 |
| D | RYS311 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0088 | 35.9 | 2.13 | -0.5 | -5 | -0.001 | -0.005 | -0.001 | -999 | 23 | -0.5 | -2 | 0.016 | -999 | -999 | 1440 | 20700 | -999 | -1 | -999 | -999 | -999 |
| D | RYS312 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 37.6 | 4.32 | -0.5 | 13 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 150 | 37500 | -999 | 1 | -999 | -999 | -999 |
| D | RYS313 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0038 | 44 | 3.97 | -0.5 | 10 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 420 | 28600 | -999 | 8 | -999 | -999 | -999 |
| D | RYS314 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0063 | 43 | 3.12 | -0.5 | 17 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 150 | 51500 | -999 | 5 | -999 | -999 | -999 |
| D | RYS315 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 37.6 | 3.31 | -0.5 | 18 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 220 | 68000 | -999 | 5 | -999 | -999 | -999 |
| D | RYS316 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0101 | 30.9 | 4.05 | -0.5 | 11 | -0.001 | -0.005 | -0.001 | -999 | -9 | 0.5 | -2 | 0.036 | -999 | -999 | 1030 | 30300 | -999 | 10 | -999 | -999 | -999 |
| D | RYS317 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0063 | 32.8 | 2.32 | 0.6 | 20 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 150 | -1111 | -999 | 2 | -999 | -999 | -999 |
| D | RYS318 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0113 | 36.6 | 4 | -0.5 | 16 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.008 | -999 | -999 | 110 | 30900 | -999 | 3 | -999 | -999 | -999 |
| D | RYS319 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | -0.0013 | 51.3 | 1.375 | -0.5 | 16 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 160 | 28300 | -999 | 1 | -999 | -999 | -999 |
| D | RYS320 | AD11255214 | 10/02/2012 | -0.0008 | 0.001 | 0.005 | 45.8 | 1.52 | -0.5 | 18 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 140 | 37500 | -999 | 2 | -999 | -999 | -999 |
| D | RYS321 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0025 | 43.2 | 2.6 | -0.5 | 19 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | -0.007 | -999 | -999 | 220 | 36000 | -999 | 3 | -999 | -999 | -999 |
| D | RYS322 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0126 | 14.55 | 0.387 | -0.5 | 6 | 0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.035 | -999 | -999 | 440 | 14150 | -999 | -1 | -999 | -999 | -999 |
| D | RYS323 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 8.76 | 3.84 | -0.5 | 6 | 0.001 | -0.005 | -0.001 | -999 | 53 | 0.7 | 3 | 0.01 | -999 | -999 | 20 | 4540 | -999 | 14 | -999 | -999 | -999 |
| D | RYS324 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0076 | 25.7 | 1.365 | -0.5 | 11 | -0.001 | 0.006 | -0.001 | -999 | -9 | -0.5 | -2 | 0.019 | -999 | -999 | 250 | 24900 | -999 | 2 | -999 | -999 | -999 |
| D | RYS325 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 34.4 | 2.5 | -0.5 | 16 | -0.001 | -0.005 | -0.001 | -999 | 25 | -0.5 | -2 | 0.017 | -999 | -999 | 230 | -1111 | -999 | 4 | -999 | -999 | -999 |
| D | RYS326 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0113 | 15 | 3.05 | -0.5 | -5 | -0.001 | -0.005 | -0.001 | -999 | 48 | 0.6 | -2 | 0.065 | -999 | -999 | 510 | 14700 | -999 | 6 | -999 | -999 | -999 |
| D | RYS327 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0177 | 4.55 | 0.389 | -0.5 | 5 | -0.001 | -0.005 | 0.004 | -999 | -9 | -0.5 | -2 | 0.008 | -999 | -999 | 10 | 7010 | -999 | -1 | -999 | -999 | -999 |
| D | RYS328 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0151 | 1.96 | 0.489 | -0.5 | -5 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.01 | -999 | -999 | 50 | 22300 | -999 | 1 | -999 | -999 | -999 |
| D | RYS329 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 1.04 | 0.128 | -0.5 | -5 | 0.007 | 0.018 | 0.01 | -999 | -9 | -0.5 | -2 | 0.012 | -999 | -999 | -10 | 3500 | -999 | -1 | -999 | -999 | -999 |
| D | RYS330 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0038 | 38.3 | 1.305 | -0.5 | 5 | -0.001 | 0.009 | -0.001 | -999 | -9 | -0.5 | -2 | 0.017 | -999 | -999 | 870 | 31700 | -999 | 2 | -999 | -999 | -999 |
| D | RYS331 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0139 | 33 | 3.31 | -0.5 | -5 | -0.001 | 0.009 | -0.001 | -999 | 36 | -0.5 | -2 | 0.019 | -999 | -999 | 1960 | 23500 | -999 | 12 | -999 | -999 | -999 |
| D | RYS332 | AD11255214 | 10/02/2012 | -0.0008 | -0.001 | 0.0038 | 34.9 | 2.63 | -0.5 | 7 | -0.001 | -0.005 | -0.001 | -999 | -9 | -0.5 | -2 | 0.027 | -999 | -999 | 1410 | 27800 | -999 | 1 | -999 | -999 | -999 |
| EOF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments | |
|-------|--------|-------|------|------|------|------|--------|------|------|------|-------|-------|------|-------|--------|------|-------|-----|------|------|------|-------|------|-------|-----|-----|------|-----|-------|-----------|--|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| D | BWS028 | 0.122 | 0.11 | 0.6 | 16.9 | 0.27 | 0.244 | 0.02 | 2.29 | 2.2 | 102.5 | 0.017 | 4.2 | 2.7 | -0.002 | 0.07 | 0.67 | 4 | -999 | 7.6 | 0.16 | 0.1 | 1.2 | 0.346 | 0.6 | 419 | 1.3 | 127 | 26.7 | | |
| D | BWS029 | 0.133 | 0.1 | 0.7 | 10.5 | 0.7 | 0.384 | 0.07 | 0.93 | 1.8 | 102.5 | 0.024 | 5.8 | 0.9 | 0.002 | 0.05 | 0.3 | 3 | -999 | 14.4 | 0.14 | 0.05 | 0.7 | 0.381 | 0.4 | 428 | 2 | 134 | 26.5 | | |
| D | BWS030 | 1.01 | 1.62 | 22.3 | 18.3 | 0.49 | 0.0964 | 0.14 | 0.49 | 10.7 | 112 | 0.012 | 12.9 | 105.5 | -0.002 | 0.03 | 2.86 | 2 | -999 | 7.5 | 1.29 | 0.08 | 18.3 | 0.167 | 2.5 | 113 | 13.2 | 122 | 76.3 | | |
| D | BWS031 | 0.397 | 0.82 | 16.9 | 35.3 | 3.79 | 0.0594 | 0.09 | 0.4 | 8.3 | 598 | 0.011 | 8.7 | 61.2 | -0.002 | 0.02 | 2.79 | 2 | -999 | 6.2 | 0.87 | 0.13 | 13.7 | 0.152 | 2.4 | 157 | 12.1 | 461 | 58.7 | | |
| D | BWS032 | 1.05 | 0.66 | 8.1 | 21.7 | 1.39 | 0.0963 | 0.07 | 0.57 | 12.6 | 208 | 0.021 | 15.9 | 36.9 | 0.002 | 0.04 | 5.23 | 3 | -999 | 23.4 | 1.1 | 0.08 | 15 | 0.419 | 2.6 | 213 | 7.4 | 394 | 94.2 | | |
| D | BWS033 | 0.657 | 1.55 | 25.8 | 28.2 | 1.39 | 0.156 | 0.13 | 0.35 | 13.8 | 370 | 0.028 | 21.1 | 103.5 | -0.002 | 0.03 | 4.21 | 2 | -999 | 35.7 | 1.28 | 0.09 | 16.5 | 0.351 | 3.4 | 130 | 19.2 | 440 | 136 | | |
| D | BWS034 | 0.84 | 0.41 | 16.2 | 14.7 | 1.05 | 0.815 | 0.11 | 0.42 | 5 | 297 | 0.033 | 22.9 | 24.2 | 0.002 | 0.05 | 4 | 2 | -999 | 24.2 | 0.5 | 0.09 | 6.1 | 0.429 | 1.4 | 243 | 20 | 382 | 50.8 | | |
| D | BWS035 | 0.295 | 0.11 | 2.3 | 9 | 0.22 | 0.0381 | 0.02 | 0.84 | 7.7 | 79.3 | 0.016 | 9.6 | 3.9 | 0.002 | 0.04 | 3.52 | 3 | -999 | 7.6 | 0.61 | 0.09 | 5.7 | 0.526 | 1.3 | 310 | 1.6 | 96 | 67.2 | | |
| D | BWS036 | 0.203 | 0.32 | 83.5 | 9.6 | 0.32 | 0.0277 | 0.03 | 0.7 | 16.8 | 64.9 | 0.044 | 23.8 | 16.7 | -0.002 | 0.05 | 1.87 | 3 | -999 | 61.2 | 1.34 | 0.08 | 15.9 | 0.658 | 2.7 | 205 | 6.9 | 95 | 142.5 | | |
| D | BWS037 | 0.007 | 0.06 | 5.2 | 3.7 | 0.06 | 0.0127 | 0.02 | 0.63 | 5.2 | 4 | 0.013 | 1.9 | 2.2 | 0.002 | 0.03 | 0.22 | -1 | -999 | 10.7 | 0.37 | -0.05 | 1.7 | 0.17 | 0.7 | 14 | 2.4 | 5 | 69.8 | | |
| D | BWS038 | 0.008 | 0.16 | 6.3 | 4.8 | 0.34 | 0.0127 | 0.02 | 0.62 | 7 | 5.7 | 0.024 | 4.7 | 5.2 | 0.002 | 0.04 | 0.27 | 1 | -999 | 14.1 | 0.48 | -0.05 | 3.6 | 0.241 | 1.3 | 27 | 2.8 | 10 | 99.3 | | |
| D | BWS039 | 0.005 | 0.04 | 1.8 | 4 | 0.06 | 0.0141 | 0.02 | 0.66 | 3.6 | 3.6 | 0.014 | 2.6 | 1.7 | 0.002 | 0.05 | 0.16 | -1 | -999 | 8.3 | 0.25 | -0.05 | 1.1 | 0.117 | 0.6 | 7 | 1.9 | 4 | 52.9 | | |
| D | BWS040 | 0.105 | 0.12 | 2.2 | 7.6 | 0.67 | 0.185 | 0.04 | 1.07 | 1.9 | 72.4 | 0.03 | 5.5 | 7.1 | -0.002 | 0.09 | 0.31 | 3 | -999 | 21.3 | 0.15 | 0.11 | 1.9 | 0.427 | 0.6 | 361 | 3 | 68 | 27.4 | | |
| D | BWS041 | 0.134 | 0.22 | 4.7 | 11.8 | 1.35 | 0.114 | 0.06 | 1.73 | 4.3 | 85.7 | 0.016 | 6.4 | 11 | 0.002 | 0.06 | 0.5 | 3 | -999 | 12 | 0.33 | 0.11 | 3.9 | 0.611 | 1.1 | 408 | 4.8 | 103 | 44.4 | | |
| D | BWS042 | 0.221 | 0.21 | 4.2 | 12.7 | 0.4 | 0.0813 | 0.04 | 1.97 | 4.1 | 72.9 | 0.019 | 6.4 | 12.1 | 0.002 | 0.07 | 0.82 | 4 | -999 | 9.4 | 0.33 | 0.2 | 4.2 | 0.559 | 1.2 | 443 | 3.4 | 71 | 44.1 | | |
| D | BWS043 | 0.131 | 0.23 | 2.5 | 11.7 | 0.53 | 0.166 | 0.04 | 1.11 | 2.3 | 63.2 | 0.02 | 6.2 | 13.6 | 0.003 | 0.06 | 0.4 | 3 | -999 | 16.9 | 0.19 | 0.07 | 2.3 | 0.359 | 0.7 | 335 | 3.3 | 79 | 22.3 | | |
| D | BWS044 | 0.083 | 0.2 | 3.8 | 9.1 | 0.79 | 0.358 | 0.05 | 0.98 | 2.4 | 59.5 | 0.027 | 9.2 | 10.4 | -0.002 | 0.06 | 0.33 | 2 | -999 | 14.4 | 0.18 | 0.07 | 2.3 | 0.295 | 0.5 | 301 | 4 | 129 | 21.7 | | |
| D | BWS045 | 0.185 | 1.18 | 20.5 | 14.5 | 0.51 | 0.312 | 0.05 | 0.81 | 15.8 | 163.5 | 0.049 | 52.1 | 65.2 | 0.003 | 0.04 | 1.71 | 2 | -999 | 47.8 | 1.23 | 0.16 | 19.4 | 0.51 | 3.2 | 210 | 25.1 | 156 | 114.5 | | |
| D | BWS046 | 1.17 | 1.03 | 42.8 | 29 | 0.82 | 0.369 | 0.06 | 0.74 | 9.9 | 189.5 | 0.047 | 27.5 | 50.7 | 0.003 | 0.05 | 2.62 | 3 | -999 | 60.7 | 0.77 | 0.09 | 10 | 0.405 | 2.8 | 220 | 50.2 | 283 | 97.7 | | |
| D | BWS047 | 0.501 | 1.35 | 21.2 | 20.1 | 0.53 | 0.182 | 0.11 | 0.39 | 8.5 | 101.5 | 0.021 | 15.3 | 88 | 0.002 | 0.03 | 2.16 | 2 | -999 | 17.3 | 0.86 | 0.05 | 13.6 | 0.213 | 2.3 | 109 | 13.5 | 251 | 76.9 | | |
| D | BWS048 | 0.145 | 1.16 | 12 | 15 | 0.21 | 0.0601 | 0.2 | 0.97 | 16.9 | 50.8 | 0.014 | 12.1 | 109 | -0.002 | 0.03 | 1.16 | 2 | -999 | 6.5 | 2.18 | -0.05 | 15.8 | 0.137 | 4.2 | 57 | 15.3 | 45 | 80.3 | | |
| D | BWS049 | 0.475 | 1.17 | 12.9 | 19.7 | 0.91 | 0.838 | 0.12 | 0.64 | 13.8 | 186.5 | 0.026 | 32.8 | 97.2 | -0.002 | 0.04 | 3.44 | 2 | -999 | 26.7 | 1.36 | 0.16 | 14.3 | 0.376 | 3.5 | 162 | 10.7 | 342 | 129.5 | | |
| D | BWS050 | 0.419 | 0.73 | 10.8 | 12 | 0.9 | 0.278 | 0.09 | 0.49 | 13.4 | 140 | 0.023 | 15.8 | 53.1 | 0.002 | 0.04 | 3.39 | 2 | -999 | 15.8 | 1.21 | 0.08 | 12.8 | 0.484 | 3.1 | 175 | 7.5 | 323 | 124 | | |
| D | BWS051 | 0.436 | 0.84 | 9.4 | 16.5 | 1.07 | 0.259 | 0.12 | 0.41 | 7.6 | 131 | 0.032 | 18.6 | 48.6 | 0.003 | 0.04 | 2.23 | 2 | -999 | 21.4 | 0.7 | 0.05 | 7.9 | 0.42 | 2 | 174 | 8.1 | 326 | 85.8 | | |
| D | BWS052 | 0.193 | 1.3 | 22.1 | 12.6 | 0.16 | 0.0319 | 0.07 | 0.88 | 23.6 | 69.9 | 0.059 | 14.2 | 48.1 | -0.002 | 0.05 | 2.33 | 3 | -999 | 43.8 | 1.89 | 0.05 | 20.1 | 0.65 | 5.2 | 85 | 3.9 | 56 | 174 | | |
| D | BWS053 | 0.028 | 3.08 | 50.5 | 12.4 | 0.78 | 0.0255 | 0.43 | 0.35 | 7.3 | 53.9 | 0.035 | 11.7 | 142.5 | -0.002 | 0.06 | 0.65 | 2 | -999 | 64.8 | 0.69 | -0.05 | 28.6 | 0.179 | 2.8 | 23 | 17.1 | 128 | 134.5 | | |
| D | BWS054 | 0.067 | 0.14 | 1.5 | 8.4 | 2.23 | 0.087 | 0.06 | 0.86 | 1.6 | 138 | 0.01 | 4 | 9.9 | -0.002 | 0.05 | 0.21 | 2 | -999 | 8.6 | 0.11 | 0.06 | 1.1 | 0.202 | 0.3 | 299 | 2 | 98 | 13.4 | | |
| D | BWS055 | 0.257 | 0.17 | 0.5 | 14.8 | 0.59 | 0.103 | 0.03 | 1.16 | 1.8 | 110.5 | 0.018 | 4.9 | 5 | -0.002 | 0.06 | 0.32 | 2 | -999 | 8.7 | 0.17 | 0.13 | 0.6 | 0.574 | 0.6 | 471 | 1.9 | 81 | 19.1 | | |
| D | BWS056 | 0.14 | 0.12 | 1.2 | 16.7 | 0.6 | 0.237 | 0.04 | 1.17 | 1.6 | 149 | 0.018 | 4.6 | 8.6 | -0.002 | 0.06 | 0.39 | 3 | -999 | 11.2 | 0.13 | 0.09 | 1.1 | 0.496 | 0.6 | 459 | 3.2 | 92 | 24.2 | | |
| D | BWS057 | 0.149 | 0.11 | 2.8 | 12.8 | 0.99 | 0.0698 | 0.03 | 1.8 | 2.4 | 150.5 | 0.023 | 5 | 7.7 | -0.002 | 0.06 | 0.4 | 3 | -999 | 9.7 | 0.17 | 0.11 | 2.3 | 0.577 | 0.7 | 534 | 3.2 | 109 | 35.5 | | |
| D | BWS058 | 0.128 | 0.12 | 1.9 | 12.5 | 0.78 | 0.0729 | 0.03 | 1.84 | 1.9 | 138.5 | 0.027 | 5.8 | 7.8 | -0.002 | 0.07 | 0.44 | 3 | -999 | 9.3 | 0.14 | 0.15 | 1.6 | 0.453 | 0.6 | 421 | 2.8 | 94 | 24.5 | | |
| D | BWS059 | 0.185 | 0.19 | 0.8 | 15.5 | 0.62 | 0.106 | 0.04 | 0.87 | 2 | 90.3 | 0.023 | 5.9 | 4.6 | -0.002 | 0.06 | 0.89 | 3 | -999 | 6.3 | 0.16 | 0.1 | 1 | 0.434 | 1.1 | 423 | 2 | 71 | 22.5 | | |
| D | BWS060 | 11.1 | 0.25 | 6.4 | 3.2 | 0.13 | 0.0983 | 0.03 | 1.15 | 10.2 | 67.3 | 0.014 | 5.2 | 13.1 | -0.002 | 0.06 | 30.3 | 3 | -999 | 4.1 | 0.7 | 0.13 | 10.1 | 0.229 | 2.6 | 72 | 3.7 | 79 | 104 | | |
| D | BWS061 | 8.31 | 0.98 | 16.2 | 7.5 | 0.18 | 0.034 | 0.09 | 1.59 | 14 | 55.6 | 0.016 | 8.2 | 50.2 | 0.002 | 0.05 | 14.25 | 3 | -999 | 9.5 | 1.21 | 0.12 | 16.2 | 0.303 | 2.9 | 111 | 7.9 | 57 | 115 | | |
| D | BWS062 | 5.4 | 0.36 | 6.5 | 11.2 | 0.61 | 0.0588 | 0.05 | 1.69 | 8 | 91.8 | 0.018 | 8.4 | 21 | 0.002 | 0.06 | 7.48 | 4 | -999 | 9.6 | 0.73 | 0.09 | 9.4 | 0.448 | 2.4 | 281 | 4.8 | 93 | 81 | | |
| D | BWS063 | 4.28 | 0.27 | 4.7 | 11.6 | 0.53 | 0.0425 | 0.04 | 1.82 | 5.7 | 69 | 0.017 | 7.3 | 17.8 | -0.002 | 0.08 | 5.23 | 4 | -999 | 10 | 0.48 | 0.11 | 5.5 | 0.474 | 2.1 | 350 | 5.2 | 87 | 54.9 | | |
| D | BWS064 | 1.11 | 0.12 | 2.3 | 7.8 | 5.78 | 0.0989 | 0.06 | 0.96 | 3 | 347 | 0.01 | 5.9 | 7.3 | 0.002 | 0.04 | 1.9 | 3 | -999 | 7 | 0.23 | 0.09 | 2.4 | 0.25 | 0.8 | 229 | 3.7 | 166 | 29.5 | | |
| D | BWS065 | 0.372 | 0.75 | 5.6 | 16.8 | 3.5 | 0.0613 | 0.06 | 0.86 | 10.4 | 304 | 0.025 | 20.5 | 32.1 | 0.003 | 0.04 | 1.37 | 3 | -999 | 39.6 | 0.79 | 0.08 | 10.9 | 0.357 | 2.3 | 157 | 6.2 | 160 | 90.7 | | |
| D | BWS066 | 0.23 | 0.92 | 7.6 | 25.7 | 1.52 | 0.0338 | 0.06 | 0.72 | 14.7 | 160.5 | 0.028 | 46.1 | 37.6 | 0.002 | 0.06 | 1.54 | 3 | -999 | 57.1 | 1.14 | -0.05 | 14.7 | 0.463 | 3.1 | 133 | 6.6 | 107 | 141.5 | | |
| D | BWS067 | 1.8 | 0.77 | 7.8 | 18.3 | 1.03 | 0.0433 | 0.08 | 0.77 | 10.2 | 150 | 0.016 | 11.9 | 49.3 | 0.002 | 0.04 | 6.12 | 3 | -999 | 20.6 | 0.97 | 0.13 | 10.8 | 0.397 | 2.8 | 197 | 6.1 | 204 | 98.6 | | |
| D | BWS068 | 1.995 | 0.9 | 8.3 | 17.1 | 0.62 | 0.0622 | 0.08 | 0.78 | 10.5 | 126.5 | 0.017 | 16.7 | 55.3 | 0.002 | 0.05 | 7.66 | 3 | -999 | 24.7 | 1.03 | 0.14 | 12.8 | 0.349 | 3.2 | 198 | 7.7 | 169 | 100 | | |
| D | BWS069 | 0.868 | 1.1 | 15.3 | 17.9 | 0.55 | 0.148 | 0.1 | 0.55 | 5.7 | 145 | 0.028 | 15.2 | 74.7 | 0.002 | 0.02 | 3.13 | 2 | -999 | 19.5 | 0.54 | 0.08 | 9.4 | 0.195 | 2 | 179 | 13 | 336 | 57.8 | | |
| D | BWS070 | 0.115 | 0.13 | 4.5 | 4.5 | 0.58 | 0.0508 | 0.04 | 0.72 | 3.5 | 55.2 | 0.021 | 4.7 | 6.1 | -0.002 | 0.04 | 1.47 | 1 | -999 | 15.3 | 0.29 | 0.05 | 3.3 | 0.197 | 0.8 | 250 | 3.1 | 191 | 51.3 | | |
| D | BWS072 | 0.014 | 0.05 | 3.6 | 5.4 | 0.04 | 0.0077 | 0.02 | 0.2 | 3.7 | 5 | 0.012 | 1.8 | 2.3 | -0.002 | 0.02 | 0.17 | -1 | -999 | 5 | 0.24 | -0.05 | 2.2 | 0.128 | 0.7 | 10 | 2.8 | 7 | 65.3 | | |
| D | BWS073 | 0.006 | 0.05 | 3.5 | 4.8 | 0.05 | 0.0089 | 0.02 | 0.3 | 3.5 | 3.1 | 0.014 | 3.5 | 1.7 | -0 | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|--------|------|------|------|------|--------|------|------|------|-------|-------|------|-------|--------|------|-------|-----|------|------|------|-------|------|-------|-----|-----|------|-----|-------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | BWS090 | 0.098 | 0.54 | 6.3 | 6 | 10.1 | 0.12 | 0.21 | 0.3 | 2.4 | 469 | 0.012 | 6.6 | 27.7 | -0.002 | 0.02 | 0.5 | 1 | -999 | 10.5 | 0.24 | -0.05 | 3.4 | 0.065 | 0.6 | 82 | 4.5 | 197 | 22 | |
| D | BWS092 | 0.055 | 2.17 | 92.5 | 20.8 | 1.01 | 0.0343 | 0.58 | 0.65 | 10.7 | 170.5 | 0.031 | 15.2 | 142.5 | 0.002 | 0.02 | 1.88 | 2 | -999 | 16.5 | 1.2 | -0.05 | 54.3 | 0.107 | 4.3 | 26 | 31.8 | 118 | 111.5 | |
| D | BWS093 | 0.056 | 0.39 | 15.3 | 9.5 | 0.69 | 0.0129 | 0.05 | 0.95 | 11.3 | 15.1 | 0.041 | 13 | 17.2 | -0.002 | 0.05 | 0.59 | 2 | -999 | 21.8 | 0.91 | -0.05 | 8.5 | 0.342 | 2.4 | 50 | 4.4 | 14 | 127 | |
| D | BWS094 | 0.015 | 3.71 | 43.9 | 11.5 | 0.08 | 0.0061 | 0.54 | 0.59 | 16.2 | 8.4 | 0.009 | 17.7 | 179.5 | 0.002 | 0.02 | 1.07 | 1 | -999 | 7.6 | 2.05 | -0.05 | 30.9 | 0.081 | 3.4 | 8 | 23.7 | 6 | 76 | |
| D | BWS095 | 0.033 | 3.42 | 33 | 20.1 | 0.07 | 0.0057 | 0.4 | 0.61 | 20.5 | 12.8 | 0.007 | 23.5 | 171.5 | -0.002 | 0.02 | 0.63 | 1 | -999 | 7.6 | 2.91 | -0.05 | 32.3 | 0.09 | 3.4 | 10 | 22 | 11 | 69.6 | |
| D | BWS096 | 0.008 | 1.95 | 22.2 | 8 | 0.08 | 0.0236 | 0.41 | 0.75 | 7.3 | 6.5 | 0.014 | 14.5 | 115 | 0.002 | 0.08 | 0.38 | 1 | -999 | 14.8 | 0.92 | -0.05 | 14.7 | 0.042 | 2 | 3 | 14.3 | 8 | 38.4 | |
| D | BWS097 | 1.26 | 1.41 | 49.6 | 25.8 | 0.64 | 0.0228 | 0.17 | 0.61 | 9.6 | 69.9 | 0.011 | 9.2 | 68.1 | -0.002 | 0.02 | 18.55 | 2 | -999 | 6.6 | 0.95 | 0.05 | 29.7 | 0.142 | 3.4 | 51 | 19.2 | 151 | 93.4 | |
| D | BWS098 | 1.86 | 1.43 | 6.5 | 9.6 | 5.19 | 0.0844 | 0.12 | 0.75 | 9.1 | 341 | 0.011 | 11.1 | 52.5 | -0.002 | 0.03 | 3.61 | 1 | -999 | 74.6 | 0.75 | -0.05 | 10.8 | 0.246 | 2.3 | 98 | 4.8 | 131 | 96.3 | |
| D | BWS099 | 4.33 | 0.44 | 10.8 | 9.9 | 3.78 | 0.221 | 0.07 | 1.94 | 9.9 | 361 | 0.018 | 12.6 | 19.3 | 0.002 | 0.05 | 5.49 | 2 | -999 | 18.5 | 0.76 | 0.11 | 14.8 | 0.274 | 4 | 124 | 10.4 | 318 | 148.5 | |
| D | BWS100 | 1.13 | 0.8 | 5.3 | 10.1 | 3.29 | 0.0649 | 0.07 | 1.19 | 9 | 364 | 0.016 | 10.3 | 35.4 | -0.002 | 0.04 | 2.3 | 2 | -999 | 39.6 | 0.69 | 0.1 | 10.2 | 0.273 | 2.4 | 160 | 3.8 | 192 | 104 | |
| D | BWS101 | 0.273 | 0.64 | 6.8 | 9.3 | 7.86 | 0.102 | 0.2 | 0.58 | 5 | 401 | 0.011 | 8.5 | 36.1 | -0.002 | 0.03 | 0.94 | 1 | -999 | 17.1 | 0.44 | -0.05 | 4.6 | 0.139 | 1.2 | 96 | 5.7 | 184 | 47 | |
| D | BWS102 | 0.145 | 0.61 | 9.6 | 8.3 | 7.31 | 0.138 | 0.2 | 0.64 | 3.7 | 451 | 0.014 | 7.9 | 33 | -0.002 | 0.02 | 2.21 | 1 | -999 | 11.7 | 0.36 | -0.05 | 5.7 | 0.103 | 1.1 | 112 | 6.3 | 212 | 43.3 | |
| D | BWS103 | 0.088 | 0.5 | 6 | 5.7 | 7.37 | 0.108 | 0.24 | 0.73 | 2.1 | 498 | 0.012 | 17.4 | 28.4 | -0.002 | 0.03 | 0.67 | 1 | -999 | 7.6 | 0.22 | 0.05 | 3.6 | 0.07 | 0.7 | 114 | 4.9 | 223 | 23.1 | |
| D | BWS104 | 0.1 | 0.58 | 7 | 9.2 | 7.56 | 0.107 | 0.18 | 0.75 | 3.8 | 467 | 0.013 | 8.3 | 25.3 | -0.002 | 0.02 | 0.65 | 1 | -999 | 17.5 | 0.32 | 0.06 | 5.9 | 0.126 | 1.2 | 130 | 5.2 | 199 | 45 | |
| D | BWS105 | 0.054 | 0.54 | 7.9 | 10.4 | 7.79 | 0.0985 | 0.14 | 0.69 | 4.1 | 405 | 0.013 | 5.6 | 22.4 | -0.002 | 0.03 | 0.59 | 1 | -999 | 16.8 | 0.39 | -0.05 | 5.9 | 0.154 | 1 | 122 | 4.7 | 172 | 55.2 | |
| D | BWS106 | 0.245 | 0.95 | 8.7 | 7.2 | 7.66 | 0.0864 | 0.23 | 0.8 | 3.5 | 415 | 0.012 | 7.8 | 48.6 | -0.002 | 0.02 | 0.93 | -1 | -999 | 8.3 | 0.34 | 0.06 | 5.4 | 0.074 | 0.9 | 104 | 5.4 | 137 | 33.2 | |
| D | BWS107 | 0.076 | 2.28 | 109 | 17.6 | 2.03 | 0.0502 | 0.6 | 0.5 | 8.6 | 280 | 0.03 | 15.1 | 139 | -0.002 | 0.01 | 0.78 | 2 | -999 | 16.8 | 0.94 | -0.05 | 65.6 | 0.079 | 4 | 31 | 33.8 | 233 | 91.4 | |
| D | BWS108 | 0.006 | 0.06 | 3.8 | 5.2 | 0.08 | 0.0093 | 0.02 | 0.37 | 3.5 | 4 | 0.023 | 6.2 | 2.3 | -0.002 | 0.06 | 0.17 | 1 | -999 | 20.8 | 0.21 | -0.05 | 2.1 | 0.125 | 0.7 | 9 | 2.9 | 4 | 51 | |
| D | BWS109 | -0.005 | 0.23 | 6.5 | 4.6 | 0.06 | 0.0069 | 0.04 | 0.49 | 5.6 | 4.1 | 0.016 | 4 | 6.3 | -0.002 | 0.04 | 0.21 | -1 | -999 | 14 | 0.39 | 0.05 | 2.9 | 0.181 | 1.2 | 16 | 2.9 | 2 | 94 | |
| D | BWS110 | -0.005 | 0.08 | 1.2 | 1.7 | 0.17 | 0.0049 | 0.05 | 0.36 | 1.5 | 2.8 | 0.047 | 10.3 | 1.7 | -0.002 | 0.17 | 0.17 | 1 | -999 | 50 | 0.07 | -0.05 | 0.6 | 0.054 | 0.3 | 4 | 1.3 | 5 | 24.6 | |
| D | BWS111 | 0.005 | 0.05 | 3.6 | 4 | 0.05 | 0.0082 | 0.02 | 0.3 | 3.1 | 3.6 | 0.02 | 6 | 1.6 | -0.002 | 0.06 | 0.17 | 1 | -999 | 15.6 | 0.17 | -0.05 | 2.2 | 0.117 | 0.5 | 7 | 2.2 | 4 | 35.4 | |
| D | BWS112 | -0.005 | 1.83 | 16.5 | 7.8 | 0.07 | 0.0074 | 0.46 | 0.33 | 7 | 2.9 | 0.008 | 10.4 | 114.5 | -0.002 | 0.05 | 0.23 | 1 | -999 | 17.5 | 0.98 | -0.05 | 10.7 | 0.037 | 1.6 | 2 | 10.7 | 4 | 46.6 | |
| D | BWS113 | 0.017 | 2.95 | 25.9 | 19.6 | 0.16 | 0.016 | 0.59 | 0.78 | 14.9 | 8.1 | 0.01 | 15.2 | 179.5 | -0.002 | 0.02 | 0.35 | 2 | -999 | 8.7 | 1.97 | -0.05 | 19.5 | 0.116 | 3.1 | 14 | 22.8 | 10 | 82.1 | |
| D | BWS114 | 0.056 | 2.2 | 42.6 | 27.4 | 0.93 | 0.0128 | 0.26 | 0.99 | 10.9 | 100.5 | 0.014 | 11.1 | 136 | -0.002 | 0.02 | 38.5 | 2 | -999 | 9 | 1.23 | 0.23 | 24.5 | 0.084 | 4.3 | 45 | 18.6 | 98 | 70.2 | |
| D | BWS115 | 1.915 | 2.56 | 23.9 | 27.6 | 0.51 | 0.0361 | 0.7 | 0.8 | 15.2 | 47.1 | 0.011 | 15.4 | 198 | -0.002 | 0.02 | 7.39 | 2 | -999 | 8.5 | 1.98 | 0.06 | 21.1 | 0.084 | 5.4 | 22 | 18.8 | 48 | 78.5 | |
| D | BWS116 | 0.051 | 1.31 | 19.3 | 11.5 | 6.02 | 0.0728 | 0.33 | 0.44 | 4.9 | 246 | 0.008 | 7.1 | 71.1 | -0.002 | 0.01 | 0.88 | 1 | -999 | 7.3 | 0.55 | -0.05 | 12 | 0.053 | 1.6 | 51 | 11.4 | 96 | 45.3 | |
| D | BWS117 | 0.093 | 2.12 | 24.3 | 14.5 | 2.79 | 0.0347 | 0.36 | 0.34 | 5.3 | 124 | 0.009 | 9.6 | 108.5 | 0.003 | 0.01 | 0.87 | 1 | -999 | 23.1 | 0.58 | -0.05 | 15.8 | 0.075 | 2.1 | 38 | 12.4 | 68 | 71.3 | |
| D | BWS118 | 0.038 | 0.46 | 6.1 | 13.4 | 4.83 | 0.0678 | 0.07 | 0.58 | 6.4 | 284 | 0.009 | 5.4 | 20.1 | -0.002 | 0.03 | 0.67 | 1 | -999 | 22.9 | 0.58 | -0.05 | 4.8 | 0.206 | 1.2 | 99 | 4.2 | 183 | 72 | |
| D | BWS119 | 0.084 | 0.3 | 5 | 10.5 | 6.69 | 0.0823 | 0.08 | 0.74 | 9.2 | 375 | 0.015 | 10.1 | 13.8 | -0.002 | 0.04 | 0.87 | 2 | -999 | 13.9 | 0.71 | -0.05 | 7.6 | 0.275 | 1.9 | 117 | 4.2 | 151 | 74.5 | |
| D | BWS120 | 0.055 | 1.34 | 5.4 | 20.2 | 4.37 | 0.0533 | 0.11 | 0.6 | 17.1 | 212 | 0.018 | 14.4 | 54.5 | -0.002 | 0.04 | 1.19 | 2 | -999 | 82.7 | 1.34 | 0.08 | 12.1 | 0.459 | 3.1 | 88 | 5.5 | 110 | 202 | |
| D | BWS121 | 0.013 | 2.69 | 67.5 | 12.5 | 0.16 | 0.0077 | 0.35 | 0.93 | 20.7 | 13 | 0.016 | 13.5 | 162.5 | -0.002 | 0.02 | 0.57 | 1 | -999 | 7 | 1.67 | -0.05 | 44.8 | 0.122 | 4.5 | 10 | 38.3 | 9 | 144 | |
| D | BWS122 | 0.006 | 1.46 | 32.9 | 6.8 | 0.05 | 0.0102 | 0.36 | 0.72 | 12.5 | 4.6 | 0.011 | 9.3 | 85.4 | 0.002 | 0.01 | 0.32 | 1 | -999 | 4.9 | 1.24 | -0.05 | 23.2 | 0.073 | 3.2 | 3 | 23.7 | 6 | 103 | |
| D | BWS123 | 0.078 | 2.01 | 70.9 | 17.7 | 3.15 | 0.0438 | 0.57 | 0.72 | 7.7 | 182.5 | 0.024 | 14.6 | 129.5 | 0.003 | 0.03 | 0.83 | 2 | -999 | 14.5 | 0.82 | -0.05 | 43.2 | 0.078 | 3.7 | 38 | 26.9 | 114 | 77.7 | |
| D | BWS124 | -0.005 | 0.08 | 4.3 | 4.7 | 0.1 | 0.0128 | 0.03 | 0.52 | 3 | 6.9 | 0.021 | 6.5 | 2.7 | -0.002 | 0.06 | 0.27 | -1 | -999 | 12.8 | 0.2 | -0.05 | 2.8 | 0.103 | 0.6 | 6 | 2.8 | 9 | 43.8 | |
| D | BWS125 | 0.708 | 1.38 | 28.6 | 32 | 0.92 | 0.0218 | 0.18 | 0.75 | 9 | 73.4 | 0.012 | 10.4 | 76.8 | -0.002 | 0.02 | 7.33 | 2 | -999 | 7.5 | 0.93 | 0.17 | 19 | 0.123 | 4 | 88 | 14.2 | 275 | 84 | |
| D | BWS126 | 18.7 | 0.23 | 18.7 | 12.5 | 0.09 | 0.0203 | 0.05 | 0.95 | 7.9 | 24.3 | 0.019 | 5.8 | 13.4 | -0.002 | 0.05 | 12.3 | 2 | -999 | 5.9 | 0.67 | 0.06 | 11.6 | 0.132 | 3.1 | 35 | 9.8 | 27 | 66.4 | |
| D | BWS127 | 0.07 | 2.89 | 31.8 | 9.8 | 0.07 | 0.0072 | 0.45 | 0.35 | 14 | 9.9 | 0.008 | 12 | 202 | -0.002 | 0.01 | 0.6 | 1 | -999 | 5.3 | 1.75 | -0.05 | 21.1 | 0.067 | 3.6 | 4 | 21.9 | 4 | 78.3 | |
| D | BWS128 | 0.244 | 1.75 | 15.3 | 25.8 | 3.62 | 0.0453 | 0.31 | 0.47 | 6.5 | 151.5 | 0.01 | 11.3 | 94.8 | -0.002 | 0.02 | 1.27 | 1 | -999 | 19.5 | 0.71 | -0.05 | 11.5 | 0.099 | 2.1 | 44 | 10.9 | 54 | 57.8 | |
| D | BWS129 | 0.047 | 0.54 | 17.3 | 11.1 | 5.43 | 0.0669 | 0.14 | 0.43 | 3.3 | 263 | 0.01 | 4.6 | 28.3 | -0.002 | 0.02 | 0.58 | 1 | -999 | 5.2 | 0.36 | -0.05 | 11.3 | 0.065 | 1.3 | 58 | 8.9 | 113 | 42.9 | |
| D | BWS130 | 0.044 | 0.98 | 18 | 15.6 | 3.47 | 0.0456 | 0.13 | 0.47 | 5.4 | 173 | 0.01 | 7 | 48.1 | -0.002 | 0.02 | 0.71 | 1 | -999 | 24.3 | 0.53 | 0.06 | 13.1 | 0.136 | 1.7 | 66 | 8.7 | 118 | 72.9 | |
| D | BWS131 | 0.074 | 2.27 | 7.3 | 15.2 | 3.28 | 0.0422 | 0.12 | 0.81 | 13.8 | 204 | 0.018 | 15.1 | 69.5 | -0.002 | 0.03 | 0.99 | 2 | -999 | 103 | 1.12 | 0.07 | 11.8 | 0.39 | 2.5 | 132 | 5.4 | 91 | 104.5 | |
| D | BWS132 | 0.04 | 2.09 | 24.6 | 17.1 | 1.11 | 0.0205 | 0.26 | 0.47 | 6.1 | 87.6 | 0.017 | 15.4 | 121 | -0.002 | 0.03 | 0.6 | 2 | -999 | 28.6 | 0.55 | -0.05 | 15.9 | 0.133 | 2 | 54 | 10.1 | 79 | 62.2 | |
| D | BWS133 | -0.005 | 2.29 | 42.1 | 8.1 | 0.13 | 0.0083 | 0.64 | 0.41 | 15.5 | 6.1 | 0.014 | 10.9 | 124 | 0.002 | 0.03 | 0.32 | 1 | -999 | 6 | 1.56 | -0.05 | 28.8 | 0.073 | 3.4 | 3 | 21.5 | 8 | 98.5 | |
| D | BWS134 | 0.005 | 1.43 | 23.1 | 5 | 0.07 | 0.008 | 0.45 | 0.48 | 14.8 | 6 | 0.013 | 11.1 | 89.5 | -0.002 | 0.03 | 0.23 | 1 | -999 | 13.3 | 1.71 | -0.05 | 17.4 | 0.064 | 2.9 | 2 | 17.5 | 8 | 105.5 | |
| D | BWS135 | 0.042 | 2.31 | 69 | 12.6 | 1.69 | 0.0382 | 0.7 | 0.6 | 8.2 | 127 | 0.034 | 13.3 | 136.5 | -0.002 | 0.03 | 0.77 | 1 | -99 | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|--------|------|------|------|------|--------|------|------|------|-------|-------|------|-------|--------|------|------|-----|------|-------|-------|-------|-------|-------|-----|-----|------|-----|-------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | BWS146 | 0.008 | 2.19 | 25.6 | 5.9 | 0.04 | 0.0122 | 0.59 | 0.47 | 9.8 | 4.2 | 0.018 | 14 | 131.5 | -0.002 | 0.03 | 0.36 | 1 | -999 | 9.3 | 1.06 | -0.05 | 16.6 | 0.045 | 2.1 | 1 | 14.3 | 5 | 64.4 | |
| D | BWS147 | 0.005 | 0.07 | 4.3 | 4.8 | 0.04 | 0.0103 | 0.02 | 0.37 | 3.6 | 2.6 | 0.011 | 2.2 | 2.5 | -0.002 | 0.03 | 0.13 | -1 | -999 | 7.1 | 0.23 | -0.05 | 2.6 | 0.129 | 0.8 | 9 | 2.8 | 4 | 78.4 | |
| D | BWS148 | 0.034 | 0.06 | 5.4 | 5.4 | 0.07 | 0.01 | 0.02 | 0.49 | 3.9 | 3.9 | 0.02 | 4.3 | 2.4 | -0.002 | 0.05 | 0.16 | 1 | -999 | 7.5 | 0.29 | -0.05 | 4.3 | 0.144 | 0.9 | 13 | 2.5 | 4 | 79 | |
| D | BWS149 | 0.025 | 2.8 | 39.5 | 16.9 | 0.26 | 0.019 | 0.34 | 2.5 | 12.9 | 12.8 | 0.015 | 14.2 | 164 | -0.002 | 0.03 | 0.43 | 1 | -999 | 14.3 | 1.52 | -0.05 | 24.5 | 0.097 | 3.1 | 24 | 18.4 | 14 | 75.6 | |
| D | BWS150 | 0.014 | 2.5 | 46.1 | 19.6 | 0.33 | 0.0167 | 0.29 | 0.52 | 7.9 | 12.1 | 0.013 | 11.2 | 169 | -0.002 | 0.01 | 0.41 | 1 | -999 | 9.3 | 0.98 | -0.05 | 28.5 | 0.056 | 2.6 | 16 | 18.5 | 11 | 74.3 | |
| D | BWS151 | 0.128 | 0.27 | 36.4 | 50.4 | 1.04 | 0.0224 | 0.05 | 0.81 | 10.6 | 57.6 | 0.013 | 9.2 | 22.7 | -0.002 | 0.02 | 3.17 | 2 | -999 | 5.4 | 1.11 | -0.05 | 21.7 | 0.113 | 2.4 | 47 | 11.5 | 88 | 65 | |
| D | BWS152 | 1.135 | 2.2 | 49.8 | 17.6 | 0.63 | 0.0244 | 0.22 | 0.78 | 11.8 | 53.4 | 0.017 | 14.6 | 106 | -0.002 | 0.03 | 9.61 | 2 | -999 | 10.1 | 1.18 | 0.05 | 29.8 | 0.123 | 3.9 | 31 | 14.5 | 58 | 91.8 | |
| D | BWS154 | 0.056 | 2.85 | 34.9 | 13.8 | 1.57 | 0.0238 | 0.42 | 0.21 | 3.9 | 67.6 | 0.009 | 13 | 162 | -0.002 | 0.02 | 0.47 | 1 | -999 | 10.4 | 0.52 | -0.05 | 21.3 | 0.031 | 2.5 | 12 | 13.8 | 28 | 58.8 | |
| D | BWS155 | 0.103 | 1.95 | 92.3 | 22.8 | 2.91 | 0.105 | 0.52 | 0.59 | 8.8 | 467 | 0.023 | 21.4 | 136 | -0.002 | 0.04 | 0.83 | 4 | -999 | 22.1 | 1.03 | -0.05 | 55.8 | 0.08 | 4.5 | 31 | 30.8 | 292 | 67.4 | |
| D | BWS156 | 0.056 | 3.05 | 57.8 | 26.6 | 1.05 | 0.123 | 0.73 | 0.61 | 7.7 | 264 | 0.021 | 22.9 | 203 | -0.002 | 0.03 | 0.79 | 2 | -999 | 20.1 | 0.97 | -0.05 | 34.9 | 0.067 | 4 | 10 | 24.2 | 59 | 71 | |
| D | BWS157 | 0.112 | 0.94 | 27.2 | 18.2 | 0.44 | 0.0159 | 0.18 | 1.06 | 17.5 | 68.9 | 0.026 | 16.2 | 57.6 | -0.002 | 0.03 | 2.56 | 3 | -999 | 12.5 | 1.56 | -0.05 | 27.9 | 0.392 | 4.5 | 67 | 12.1 | 35 | 150 | |
| D | BWS158 | -0.005 | 0.09 | 2.5 | 2.9 | 0.13 | 0.0114 | 0.05 | 0.41 | 1.4 | 7.2 | 0.038 | 8.1 | 2.8 | -0.002 | 0.12 | 0.16 | 1 | -999 | 41.7 | 0.09 | -0.05 | 1.7 | 0.053 | 0.4 | 3 | 1.9 | 6 | 26.9 | |
| D | BWS159 | -0.005 | 0.03 | 1.5 | 4.6 | 0.06 | 0.0062 | 0.02 | 0.38 | 3.1 | 3.1 | 0.014 | 3.3 | 1.2 | -0.002 | 0.04 | 0.17 | 1 | -999 | 13.4 | 0.24 | -0.05 | 1.2 | 0.106 | 0.6 | 5 | 1.6 | 4 | 53.7 | |
| D | BWS160 | 0.005 | 0.05 | 3.1 | 4.2 | 0.07 | 0.0271 | 0.02 | 0.77 | 3.8 | 5.9 | 0.02 | 5.5 | 1.5 | -0.002 | 0.05 | 0.18 | 1 | -999 | 20.4 | 0.32 | -0.05 | 2 | 0.142 | 0.7 | 10 | 2 | 5 | 60.4 | |
| D | BWS161 | 0.053 | 0.61 | 10.5 | 23.9 | 4.01 | 0.0638 | 0.13 | 0.76 | 5.1 | 184 | 0.012 | 6.9 | 44.2 | -0.002 | 0.03 | 0.63 | 2 | -999 | 8.3 | 0.58 | -0.05 | 9.1 | 0.117 | 3.9 | 130 | 6.8 | 42 | 35.6 | |
| D | BWS162 | 0.043 | 1.19 | 36.9 | 23.3 | 4.55 | 0.0443 | 0.13 | 0.87 | 6.3 | 160 | 0.011 | 10.7 | 73.1 | 0.002 | 0.02 | 0.84 | 1 | -999 | 8.1 | 0.65 | -0.05 | 20.4 | 0.071 | 2.7 | 41 | 13.9 | 44 | 57.9 | |
| D | BWS163 | 0.065 | 1.84 | 53.1 | 19.4 | 1.76 | 0.0221 | 0.18 | 0.58 | 12.6 | 64.2 | 0.014 | 9.7 | 112 | -0.002 | 0.02 | 0.51 | -1 | -999 | 9.1 | 1.34 | -0.05 | 29.2 | 0.106 | 2.5 | 22 | 16.9 | 18 | 70.6 | |
| D | BWS164 | 0.058 | 1.82 | 55.4 | 21.5 | 1.65 | 0.0189 | 0.17 | 0.74 | 12.9 | 59.7 | 0.014 | 9.6 | 116 | -0.002 | 0.02 | 0.54 | -1 | -999 | 8.4 | 1.39 | -0.05 | 30 | 0.106 | 2.5 | 21 | 17.6 | 92 | 77.6 | |
| D | BWS165 | 0.02 | 2.45 | 50.4 | 15.9 | 1.01 | 0.0145 | 0.23 | 0.16 | 3.4 | 49.2 | 0.008 | 9.1 | 147 | -0.002 | 0.01 | 0.29 | -1 | -999 | 9.2 | 0.37 | -0.05 | 27.4 | 0.03 | 2.7 | 10 | 17.8 | 23 | 40.9 | |
| D | BWS166 | 0.067 | 2.83 | 62.9 | 31.3 | 2.77 | 0.0367 | 0.54 | 0.29 | 8.3 | 871 | 0.012 | 16.4 | 194 | -0.002 | 0.01 | 0.9 | 1 | -999 | 18.4 | 0.91 | -0.05 | 40.2 | 0.07 | 4.1 | 21 | 24.3 | 157 | 47.1 | |
| D | BWS167 | 0.115 | 2.24 | 97 | 26.7 | 2.81 | 0.0491 | 0.79 | 0.48 | 9.9 | 452 | 0.027 | 18.9 | 153 | -0.002 | 0.03 | 0.84 | 1 | -999 | 17.9 | 1.05 | -0.05 | 57.3 | 0.098 | 3.9 | 26 | 29.9 | 173 | 70.2 | |
| D | BWS168 | 0.025 | 3.21 | 97.9 | 19.2 | 0.94 | 0.0224 | 0.77 | 0.32 | 6 | 72.7 | 0.02 | 15.7 | 208 | -0.002 | 0.02 | 0.7 | 1 | -999 | 18.2 | 0.69 | -0.05 | 58.8 | 0.054 | 3.3 | 11 | 28.9 | 115 | 75.3 | |
| D | BWS169 | 0.053 | 2.94 | 72.5 | 25 | 0.87 | 0.0204 | 0.77 | 0.49 | 9.4 | 113 | 0.021 | 15.2 | 207 | -0.002 | 0.02 | 0.88 | 1 | -999 | 17.5 | 1.17 | -0.05 | 43.1 | 0.072 | 3.4 | 11 | 25.1 | 42 | 84.2 | |
| D | BWS170 | -0.005 | 0.05 | 2.7 | 5.1 | 0.07 | 0.022 | 0.02 | 0.69 | 3.3 | 5.6 | 0.014 | 2.2 | 2.3 | -0.002 | 0.04 | 0.27 | -1 | -999 | 13.2 | 0.2 | -0.05 | 2.5 | 0.109 | 0.8 | 6 | 2.1 | 8 | 70.4 | |
| D | BWS171 | 0.171 | 0.92 | 54 | 14.9 | 0.6 | 0.0171 | 0.06 | 0.82 | 20.4 | 30.7 | 0.07 | 26.2 | 41.2 | -0.002 | 0.06 | 2.81 | 3 | -999 | 76.6 | 1.63 | -0.05 | 26.3 | 0.582 | 4.2 | 74 | 7.7 | 81 | 176 | |
| D | BWS172 | 0.183 | 2.55 | 24.1 | 13.6 | 0.5 | 0.0251 | 0.15 | 0.42 | 13.2 | 15.7 | 0.045 | 13.4 | 114.5 | -0.002 | 0.03 | 2.66 | 1 | -999 | 112.5 | 1.07 | -0.05 | 12.8 | 0.348 | 3.1 | 40 | 8.5 | 48 | 185.5 | |
| D | BWS173 | 0.104 | 1.62 | 38.3 | 20.4 | 0.73 | 0.0122 | 0.08 | 0.52 | 17.6 | 33.2 | 0.065 | 22 | 80.5 | -0.002 | 0.06 | 1.61 | 2 | -999 | 88.1 | 1.41 | -0.05 | 26.2 | 0.46 | 3.7 | 66 | 10.7 | 100 | 146 | |
| D | BWS174 | -0.005 | 0.05 | 2.4 | 5.2 | 0.05 | 0.0144 | 0.02 | 0.35 | 2.3 | 3 | 0.021 | 2.9 | 1.9 | -0.002 | 0.05 | 0.16 | -1 | -999 | 19 | 0.13 | -0.05 | 1.5 | 0.097 | 0.6 | 6 | 2.4 | 5 | 26.3 | |
| D | BWS175 | -0.005 | 0.09 | 3.5 | 3.7 | 0.11 | 0.0086 | 0.03 | 0.32 | 1.7 | 8.1 | 0.036 | 6 | 2.8 | -0.002 | 0.11 | 0.18 | -1 | -999 | 34.6 | 0.06 | -0.05 | 1.6 | 0.066 | 0.5 | 5 | 2.5 | 4 | 20.8 | |
| D | BWS176 | -0.005 | 0.07 | 3.5 | 2.4 | 0.13 | 0.0143 | 0.04 | 0.45 | 1.3 | 4.5 | 0.046 | 7.1 | 1.9 | -0.002 | 0.17 | 0.16 | 1 | -999 | 59.8 | -0.05 | -0.05 | 1.1 | 0.048 | 0.3 | 4 | 1.9 | 4 | 17.9 | |
| D | BWS177 | 0.134 | 0.18 | 20.1 | 15.1 | 0.09 | 0.0192 | 0.04 | 1.46 | 7.1 | 7.4 | 0.052 | 15.4 | 8.2 | -0.002 | 0.08 | 0.44 | 1 | -999 | 27.7 | 0.57 | -0.05 | 7.2 | 0.23 | 1.3 | 42 | 5.7 | 7 | 60.4 | |
| D | BWS178 | 0.314 | 0.32 | 28.2 | 21.6 | 0.09 | 0.0067 | 0.05 | 1.66 | 10.3 | 10.3 | 0.038 | 14.7 | 15.8 | -0.002 | 0.05 | 0.85 | 2 | -999 | 36.9 | 0.83 | -0.05 | 12.8 | 0.309 | 1.8 | 70 | 6.5 | 13 | 82 | |
| D | BWS179 | 0.275 | 0.28 | 28.3 | 16.6 | 0.1 | 0.0067 | 0.05 | 1.33 | 10.6 | 13.6 | 0.033 | 18.3 | 13.3 | -0.002 | 0.05 | 0.79 | 2 | -999 | 25.8 | 0.86 | -0.05 | 11.2 | 0.313 | 2.2 | 65 | 8.5 | 17 | 91 | |
| D | BWS180 | 0.009 | 0.08 | 1.8 | 3.4 | 0.11 | 0.0149 | 0.06 | 0.51 | 1.9 | 5.3 | 0.024 | 10.6 | 2.3 | -0.002 | 0.09 | 0.21 | -1 | -999 | 85.1 | -0.05 | -0.05 | 0.9 | 0.059 | 0.3 | 4 | 1.5 | 7 | 20.2 | |
| D | BWS181 | -0.005 | 0.04 | 6.9 | 4.4 | 0.05 | 0.0055 | 0.02 | 0.4 | 6.3 | 2.9 | 0.017 | 3.3 | 1.6 | -0.002 | 0.04 | 0.26 | -1 | -999 | 26.8 | 0.45 | -0.05 | 2.6 | 0.195 | 1 | 14 | 3.2 | 4 | 94.9 | |
| D | BWS182 | 0.019 | 1.95 | 41.4 | 15.6 | 0.16 | 0.01 | 0.18 | 0.35 | 11.4 | 8.8 | 0.013 | 9.5 | 140.5 | 0.002 | 0.02 | 0.44 | -1 | -999 | 8.7 | 1.35 | -0.05 | 24.8 | 0.063 | 3.4 | 2 | 25.4 | 4 | 91.1 | |
| D | BWS183 | 0.028 | 2.77 | 47.8 | 23.9 | 1.45 | 0.0151 | 0.25 | 0.63 | 12.1 | 67.2 | 0.013 | 13.9 | 178.5 | -0.002 | 0.02 | 0.42 | 1 | -999 | 12 | 1.24 | -0.05 | 27.3 | 0.092 | 2.4 | 13 | 17.7 | 17 | 72.2 | |
| D | BWS184 | 0.024 | 2.88 | 72.6 | 22.9 | 0.76 | 0.0095 | 0.24 | 0.58 | 15.6 | 33.4 | 0.013 | 12.7 | 187.5 | -0.002 | 0.01 | 0.4 | -1 | -999 | 10.9 | 1.6 | -0.05 | 40 | 0.12 | 3.2 | 10 | 24.3 | 12 | 104 | |
| D | BWS185 | 0.021 | 2.73 | 52.4 | 25 | 0.66 | 0.0086 | 0.2 | 0.38 | 9.7 | 34.5 | 0.013 | 11.9 | 194 | -0.002 | 0.02 | 0.34 | 1 | -999 | 9.7 | 1.14 | -0.05 | 30.1 | 0.06 | 2.8 | 7 | 20 | 13 | 67.7 | |
| D | BWS186 | 0.025 | 2.48 | 128 | 17.3 | 0.67 | 0.0231 | 0.44 | 0.24 | 4.9 | 74.5 | 0.019 | 12.5 | 154 | -0.002 | 0.01 | 0.53 | 2 | -999 | 11.7 | 0.56 | -0.05 | 79.4 | 0.053 | 3.7 | 12 | 35 | 134 | 74.2 | |
| D | BWS187 | 0.021 | 3.01 | 187 | 20.8 | 0.82 | 0.0275 | 0.71 | 0.4 | 9.4 | 81 | 0.03 | 16.8 | 193.5 | 0.002 | 0.02 | 0.86 | 2 | -999 | 17 | 1.04 | -0.05 | 116.5 | 0.09 | 5.6 | 14 | 49.7 | 181 | 147 | |
| D | BWS188 | 0.108 | 0.35 | 31.9 | 20.4 | 1.01 | 0.0113 | 0.03 | 0.74 | 15.4 | 26 | 0.046 | 26 | 15.1 | -0.002 | 0.04 | 2.28 | 3 | -999 | 34.4 | 1.26 | -0.05 | 21.7 | 0.409 | 4.2 | 62 | 7.8 | 46 | 157.5 | |
| D | BWS189 | 0.078 | 3.04 | 51 | 32.4 | 0.96 | 0.101 | 0.72 | 0.76 | 9 | 190.5 | 0.022 | 22.5 | 229 | -0.002 | 0.02 | 0.84 | 1 | -999 | 18.5 | 1.1 | -0.05 | 30.6 | 0.066 | 3.8 | 10 | 23.3 | 52 | 66.6 | |
| D | BWS190 | 0.025 | 3.02 | 81 | 14.7 | 0.08 | 0.007 | 0.29 | 0.39 | 16.7 | 4.2 | 0.015 | 12.1 | 197.5 | -0.002 | 0.01 | 0.45 | 1 | -999 | 12.5 | 1.92 | -0.05 | 43.1 | 0.135 | 3 | 4 | 27.1 | 4 | 111.5 | |
| D | BWS191 | 0.038 | 2.78 | 87.6 | 16 | 0.08 | 0.0094 | 0.29 | 0.61 | 17.4 | 6.5 | 0.018 | 12.9 | 167 | -0. | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|--------|------|-------|------|-------|--------|------|------|------|-------|-------|------|-------|--------|------|-------|-----|------|------|------|-------|------|-------|-----|-----|------|-----|-------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | BWS209 | 0.047 | 2.91 | 81.3 | 24.3 | 1.46 | 0.0524 | 0.78 | 0.5 | 8.1 | 170.5 | 0.016 | 38.9 | 214 | -0.002 | 0.02 | 0.95 | 1 | -999 | 16.3 | 1 | -0.05 | 50.1 | 0.061 | 5.8 | 12 | 28.1 | 67 | 75.8 | |
| D | BWS210 | 0.068 | 2.83 | 105 | 26.5 | 1.33 | 0.0227 | 0.95 | 0.89 | 15.3 | 88.3 | 0.023 | 17.9 | 213 | -0.002 | 0.03 | 0.75 | 2 | -999 | 20.5 | 1.79 | -0.05 | 63.1 | 0.115 | 5.5 | 13 | 32 | 42 | 158.5 | |
| D | BWS211 | -0.005 | 0.06 | 3.2 | 4.6 | 0.07 | 0.01 | 0.02 | 0.33 | 2.3 | 4.5 | 0.018 | 3.7 | 2.8 | -0.002 | 0.05 | 0.13 | 1 | -999 | 18.1 | 0.13 | -0.05 | 2.2 | 0.088 | 0.6 | 5 | 2.6 | 5 | 31.3 | |
| D | BWS212 | 0.037 | 0.15 | 20 | 8.8 | 0.26 | 0.0069 | 0.03 | 0.66 | 9.8 | 14.3 | 0.026 | 10.7 | 6.9 | -0.002 | 0.03 | 0.58 | 2 | -999 | 15.9 | 0.77 | -0.05 | 8.8 | 0.297 | 2 | 39 | 4.4 | 16 | 120 | |
| D | BWS213 | -0.005 | 0.06 | 2.8 | 3.8 | 0.11 | 0.0084 | 0.04 | 0.27 | 2.1 | 3.1 | 0.024 | 4.6 | 2.1 | -0.002 | 0.09 | 0.14 | 1 | -999 | 23.9 | 0.09 | -0.05 | 2 | 0.081 | 0.5 | 4 | 2.2 | 4 | 24.2 | |
| D | BWS214 | -0.005 | 0.03 | 2.9 | 5.1 | 0.04 | 0.007 | 0.02 | 0.22 | 2.1 | 2.2 | 0.009 | 2 | 1.1 | -0.002 | 0.02 | 0.09 | -1 | -999 | 9.1 | 0.12 | -0.05 | 2.1 | 0.1 | 0.6 | 5 | 2.6 | 2 | 27.8 | |
| D | BWS215 | 0.022 | 2.22 | 101 | 15.4 | 1.27 | 0.0342 | 0.74 | 0.89 | 14.9 | 106 | 0.025 | 11.5 | 147.5 | -0.002 | 0.04 | 0.75 | 1 | -999 | 21.3 | 1.73 | -0.05 | 60.5 | 0.125 | 4.7 | 14 | 34.7 | 53 | 142 | |
| D | BWS216 | 0.011 | 2.38 | 76.2 | 17 | 0.07 | 0.0086 | 0.34 | 0.66 | 15.5 | 4.4 | 0.016 | 11 | 183 | -0.002 | 0.02 | 0.47 | 1 | -999 | 9.3 | 2 | -0.05 | 42.4 | 0.111 | 3.7 | 4 | 24.6 | 4 | 100.5 | |
| D | BWS218 | 0.082 | 1.02 | 25.5 | 12.9 | 10.45 | 0.0694 | 0.32 | 0.22 | 2 | 339 | 0.009 | 5.3 | 51.6 | -0.002 | 0.02 | 0.35 | 1 | -999 | 10 | 0.18 | -0.05 | 13.4 | 0.033 | 0.8 | 52 | 7.9 | 84 | 25.2 | |
| D | BWS219 | 0.027 | 0.72 | 31.3 | 12.8 | 10.85 | 0.0779 | 0.33 | 0.46 | 1.9 | 374 | 0.01 | 5.1 | 43.3 | -0.002 | 0.02 | 0.47 | 1 | -999 | 8.3 | 0.18 | -0.05 | 19 | 0.035 | 1.2 | 61 | 10.6 | 110 | 27.1 | |
| D | BWS220 | 0.14 | 1.48 | 49.8 | 14.1 | 6.88 | 0.0583 | 0.39 | 0.38 | 2.5 | 272 | 0.014 | 7.9 | 90.5 | -0.002 | 0.03 | 0.48 | 1 | -999 | 12.9 | 0.29 | -0.05 | 30.6 | 0.04 | 1.9 | 57 | 15 | 169 | 40.5 | |
| D | BWS221 | 0.038 | 3.64 | 52.6 | 22 | 0.17 | 0.0114 | 0.75 | 0.4 | 7.5 | 6.3 | 0.015 | 15.3 | 241 | -0.002 | 0.01 | 0.37 | 1 | -999 | 20.9 | 0.87 | -0.05 | 32.3 | 0.065 | 2.7 | 5 | 19.9 | 8 | 56.2 | |
| D | BWS222 | -0.005 | 0.11 | 3.5 | 2.8 | 0.09 | 0.0223 | 0.04 | 0.47 | 1.4 | 6.6 | 0.026 | 4.3 | 5.6 | -0.002 | 0.11 | 0.17 | -1 | -999 | 30.6 | 0.07 | -0.05 | 2.2 | 0.042 | 0.4 | 3 | 2.2 | 9 | 23.4 | |
| D | BWS223 | -0.005 | 0.05 | 3.5 | 5.4 | 0.07 | 0.0085 | 0.03 | 0.38 | 2.4 | 5.5 | 0.015 | 3.9 | 1.8 | -0.002 | 0.06 | 119.5 | -1 | -999 | 13.5 | 0.19 | -0.05 | 2.4 | 0.09 | 0.5 | 4 | 2.1 | 5 | 38.3 | |
| D | BWS224 | -0.005 | 0.04 | 3.4 | 5.6 | 0.06 | 0.0066 | 0.02 | 0.25 | 2.2 | 3.3 | 0.011 | 4 | 1.3 | -0.002 | 0.05 | 0.24 | -1 | -999 | 12.3 | 0.13 | -0.05 | 2.3 | 0.097 | 0.6 | 5 | 2.4 | 2 | 30.3 | |
| D | BWS225 | 0.026 | 0.05 | 7.4 | 5.7 | 0.08 | 0.0096 | 0.02 | 0.36 | 4.6 | 3.3 | 0.02 | 4.3 | 1.7 | -0.002 | 0.05 | 4.35 | -1 | -999 | 14.7 | 0.34 | -0.05 | 4.2 | 0.15 | 1 | 10 | 2.3 | 8 | 79.7 | |
| D | BWS226 | 0.029 | 0.05 | 10.4 | 9.3 | 0.13 | 0.0077 | 0.02 | 0.39 | 7.3 | 5.7 | 0.026 | 8.4 | 3 | -0.002 | 0.03 | 0.49 | 1 | -999 | 10.4 | 0.62 | -0.05 | 7.9 | 0.221 | 1.4 | 18 | 2.6 | 27 | 106 | |
| D | BWS227 | 0.105 | 0.1 | 16.1 | 9.8 | 0.39 | 0.0121 | 0.04 | 0.98 | 9.3 | 9.2 | 0.042 | 12 | 5.1 | -0.002 | 0.05 | 0.81 | 1 | -999 | 23.7 | 0.72 | -0.05 | 9.6 | 0.313 | 2.2 | 42 | 5.4 | 18 | 127.5 | |
| D | BWS228 | -0.005 | 0.06 | 2.6 | 3.8 | 0.12 | 0.008 | 0.03 | 0.29 | 1.9 | 3.6 | 0.037 | 6.1 | 1.8 | -0.002 | 0.12 | 0.22 | -1 | -999 | 30.2 | 0.09 | -0.05 | 1.7 | 0.067 | 0.4 | 4 | 2.1 | 3 | 28.7 | |
| D | BWS229 | 0.073 | 0.41 | 7.3 | 15.8 | 2.49 | 0.0116 | 0.03 | 0.36 | 15.1 | 23.2 | 0.044 | 32.8 | 2.6 | -0.002 | 0.03 | 0.66 | 2 | -999 | 45 | 1.22 | -0.05 | 8 | 0.41 | 3.8 | 69 | 2.5 | 68 | 125 | |
| D | BWS230 | 0.006 | 0.11 | 5.5 | 8.2 | 0.25 | 0.0065 | 0.02 | 0.42 | 7 | 4.5 | 0.024 | 5.1 | 4.2 | -0.002 | 0.04 | 0.46 | -1 | -999 | 9.4 | 0.55 | -0.05 | 6.4 | 0.221 | 1.9 | 18 | 2.7 | 6 | 132.5 | |
| D | BWS231 | 0.019 | 0.28 | 9.6 | 11.1 | 0.43 | 0.0089 | 0.03 | 0.38 | 5.4 | 6.7 | 0.038 | 7.8 | 11.7 | -0.002 | 0.03 | 1.76 | -1 | -999 | 18.3 | 0.44 | -0.05 | 5.9 | 0.174 | 1.6 | 20 | 3.8 | 9 | 97.4 | |
| D | BWS232 | -0.005 | 0.07 | 5.7 | 6.1 | 0.06 | 0.0119 | 0.02 | 0.48 | 3.3 | 3.7 | 0.025 | 3.7 | 2.5 | -0.002 | 0.07 | 0.24 | -1 | -999 | 10.6 | 0.25 | -0.05 | 2.7 | 0.102 | 0.7 | 7 | 3.2 | 2 | 56.5 | |
| D | BWS233 | 0.005 | 0.06 | 8.4 | 8 | 0.03 | 0.0048 | 0.02 | 0.26 | 3.8 | 2.2 | 0.016 | 2.6 | 2.8 | -0.002 | 0.02 | 0.55 | -1 | -999 | 7.4 | 0.29 | -0.05 | 3.4 | 0.115 | 1 | 9 | 3.7 | 3 | 81.1 | |
| D | BWS234 | 0.009 | 2.63 | 26.2 | 19 | 0.03 | 0.0077 | 0.3 | 0.69 | 10.5 | 3.3 | 0.012 | 12.2 | 218 | -0.002 | 0.02 | 0.68 | -1 | -999 | 8.7 | 1.96 | -0.05 | 14.9 | 0.041 | 2.8 | 2 | 18 | 4 | 52.5 | |
| D | BWS235 | 0.025 | 1.23 | 43.8 | 18.1 | 6.55 | 0.0621 | 0.23 | 0.46 | 3.3 | 225 | 0.014 | 7.8 | 63.5 | -0.002 | 0.03 | 0.4 | 1 | -999 | 12.9 | 0.31 | -0.05 | 23 | 0.051 | 1.7 | 68 | 13.3 | 123 | 37.2 | |
| D | BWS236 | 0.02 | 0.09 | 5.9 | 15.3 | 11.9 | 0.0748 | 0.17 | 0.2 | 1 | 375 | 0.005 | 2.3 | 4.7 | -0.002 | 0.01 | 0.67 | 1 | -999 | 5.1 | 0.09 | -0.05 | 3.1 | 0.035 | 0.3 | 68 | 2.7 | 64 | 10.5 | |
| D | BWS237 | 0.026 | 0.1 | 7.7 | 14.8 | 11.6 | 0.0844 | 0.11 | 0.29 | 1.2 | 379 | 0.007 | 3.3 | 5.1 | -0.002 | 0.03 | 0.74 | 1 | -999 | 7.2 | 0.1 | -0.05 | 4 | 0.036 | 0.5 | 55 | 3.7 | 88 | 14 | |
| D | BWS238 | 0.033 | 0.13 | 12.1 | 16.8 | 10.95 | 0.0741 | 0.11 | 0.3 | 1.2 | 364 | 0.008 | 3.3 | 8.3 | -0.002 | 0.03 | 0.36 | 1 | -999 | 8.6 | 0.1 | -0.05 | 4.9 | 0.041 | 0.5 | 62 | 6.6 | 83 | 11.9 | |
| D | BWS239 | 0.029 | 3.42 | 107.5 | 27.4 | 0.16 | 0.0103 | 0.77 | 0.43 | 8.9 | 8.3 | 0.018 | 14.8 | 242 | -0.002 | 0.01 | 1.44 | 1 | -999 | 19.6 | 1.01 | -0.05 | 64.6 | 0.073 | 3.9 | 5 | 32.4 | 8 | 80.6 | |
| D | BWS240 | 0.027 | 0.89 | 107 | 21.3 | 0.08 | 0.0108 | 0.18 | 0.27 | 4.1 | 5.2 | 0.018 | 5.2 | 56 | -0.002 | 0.01 | 4.71 | 1 | -999 | 6.1 | 0.51 | -0.05 | 67.1 | 0.048 | 3.5 | 2 | 43.5 | 5 | 60.5 | |
| D | BWS241 | 0.009 | 0.11 | 6.6 | 3.2 | 0.14 | 0.0085 | 0.04 | 0.36 | 1.7 | 3.8 | 0.04 | 8.2 | 3.9 | -0.002 | 0.14 | 0.38 | -1 | -999 | 28.9 | 0.08 | -0.05 | 4.4 | 0.051 | 0.6 | 3 | 3.1 | 10 | 27.5 | |
| D | BWS242 | 0.017 | 0.21 | 7 | 9.7 | 0.12 | 0.0081 | 0.02 | 0.39 | 6.7 | 4.9 | 0.016 | 6.1 | 9 | -0.002 | 0.02 | 0.58 | -1 | -999 | 18.4 | 0.5 | -0.05 | 5.3 | 0.188 | 1.3 | 23 | 3 | 8 | 95.9 | |
| D | BWS243 | -0.005 | 0.04 | 5.8 | 6.6 | 0.05 | 0.0119 | 0.02 | 0.47 | 4.2 | 4.1 | 0.013 | 2.8 | 2 | -0.002 | 0.03 | 0.57 | -1 | -999 | 7 | 0.29 | -0.05 | 4.2 | 0.122 | 0.9 | 7 | 3.1 | 4 | 76.3 | |
| D | BWS244 | -0.005 | 0.04 | 4.3 | 5.4 | 0.05 | 0.0215 | 0.02 | 0.76 | 4.3 | 7 | 0.013 | 3.5 | 1.9 | -0.002 | 0.04 | 0.2 | -1 | -999 | 7.8 | 0.32 | -0.05 | 2.5 | 0.118 | 0.8 | 7 | 2.7 | 2 | 78.2 | |
| D | BWS245 | 0.032 | 0.38 | 31.9 | 17.6 | 8.19 | 0.0676 | 0.11 | 0.62 | 3.4 | 277 | 0.009 | 5.7 | 19.2 | -0.002 | 0.03 | 0.54 | 1 | -999 | 7.6 | 0.27 | -0.05 | 16.7 | 0.067 | 1.7 | 64 | 10.4 | 81 | 37.5 | |
| D | BWS246 | 0.035 | 0.07 | 12.7 | 13 | 10.9 | 0.0902 | 0.09 | 0.29 | 2.1 | 348 | 0.007 | 3 | 3.5 | -0.002 | 0.02 | 0.52 | 1 | -999 | 3.3 | 0.15 | -0.05 | 5 | 0.043 | 0.9 | 61 | 4.7 | 92 | 24.1 | |
| D | BWS247 | 0.043 | 0.16 | 21.2 | 17.5 | 9.81 | 0.0746 | 0.1 | 0.37 | 2.5 | 308 | 0.009 | 3.8 | 7.9 | -0.002 | 0.02 | 0.52 | 1 | -999 | 5 | 0.21 | -0.05 | 10.6 | 0.057 | 1 | 52 | 6.3 | 81 | 31.1 | |
| D | BWS248 | 0.083 | 0.78 | 74.6 | 20.7 | 4.43 | 0.0392 | 0.2 | 0.41 | 6 | 149 | 0.014 | 5.7 | 50 | -0.002 | 0.01 | 0.81 | 1 | -999 | 7 | 0.69 | -0.05 | 44.3 | 0.088 | 2.6 | 29 | 22.9 | 75 | 84.6 | |
| D | BWS250 | 0.102 | 1.2 | 92.2 | 25.5 | 1.74 | 0.0219 | 0.29 | 0.5 | 8.6 | 64.8 | 0.016 | 6.8 | 78.1 | -0.002 | 0.01 | 1.06 | 1 | -999 | 8.8 | 0.97 | -0.05 | 54.7 | 0.113 | 3.8 | 19 | 28.6 | 79 | 135.5 | |
| D | BWS251 | 0.006 | 0.05 | 39.9 | 16.9 | 0.09 | 0.0082 | 0.03 | 0.33 | 4.8 | 3.6 | 0.014 | 3.2 | 2.4 | -0.002 | 0.03 | 0.33 | 1 | -999 | 7.9 | 0.38 | -0.05 | 25.1 | 0.091 | 2 | 3 | 21.3 | 7 | 58.9 | |
| D | BWS252 | 0.008 | 0.06 | 25.5 | 16.7 | 0.05 | 0.0086 | 0.02 | 0.28 | 3.7 | 3.4 | 0.008 | 1.6 | 3.6 | -0.002 | 0.01 | 0.34 | -1 | -999 | 2.8 | 0.29 | -0.05 | 14.9 | 0.074 | 1.3 | 4 | 12 | 7 | 44.4 | |
| D | BWS253 | 0.024 | 0.18 | 15.9 | 14.2 | 0.36 | 0.007 | 0.03 | 0.57 | 13.4 | 13.1 | 0.019 | 15.8 | 7.5 | -0.002 | 0.02 | 0.77 | 1 | -999 | 16.4 | 1.09 | -0.05 | 13.8 | 0.383 | 3.9 | 48 | 4.7 | 12 | 239 | |
| D | BWS254 | 0.015 | 1.03 | 7.3 | 9.2 | 0.08 | 0.004 | 0.06 | 0.39 | 12.3 | 4.6 | 0.013 | 9.3 | 37.5 | -0.002 | 0.03 | 0.65 | -1 | -999 | 72.9 | 0.97 | -0.05 | 8.3 | 0.366 | 2.5 | 36 | 3.4 | 9 | 199.5 | |
| D | BWS255 | 0.012 | 0.39 | 10.8 | 11.2 | 0.08 | 0.0058 | 0.03 | 0.28 | 6.3 | 3.8 | 0.011 | 8.2 | 14.2 | -0.002 | 0.02 | 0.63 | -1 | -999 | 29.2 | 0.44 | -0.05 | 6 | 0.181 | 1.5 | 15 | 3.7 | 9 | 132.5 | |
| D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|--------|------|-------|------|------|--------|------|------|------|------|-------|------|-------|--------|-------|------|-----|------|------|-------|-------|------|-------|-----|-----|------|-----|-------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | BWS268 | 0.013 | 0.1 | 31.5 | 12.7 | 0.07 | 0.0282 | 0.04 | 0.71 | 5.1 | 6.5 | 0.013 | 1.9 | 4.9 | -0.002 | 0.03 | 0.24 | -1 | -999 | 15.7 | 0.42 | -0.05 | 16.8 | 0.079 | 1.6 | 3 | 15.5 | 5 | 69.3 | |
| D | BWS269 | 0.034 | 2.82 | 74.8 | 22.7 | 1.28 | 0.0211 | 0.71 | 0.52 | 10.8 | 39.6 | 0.019 | 12.9 | 171 | -0.002 | 0.02 | 0.4 | 1 | -999 | 19.6 | 1.15 | -0.05 | 39.8 | 0.112 | 3.4 | 19 | 21.5 | 23 | 106 | |
| D | BWS270 | 0.013 | 0.44 | 61.5 | 13.2 | 3.65 | 0.0288 | 0.17 | 0.46 | 7.8 | 84 | 0.022 | 4.9 | 23.1 | -0.002 | 0.04 | 0.31 | 1 | -999 | 13 | 0.79 | -0.05 | 33.4 | 0.093 | 2.7 | 25 | 22.2 | 25 | 103 | |
| D | BWS271 | -0.005 | 0.04 | 24.9 | 14.5 | 0.1 | 0.0156 | 0.02 | 0.32 | 6.8 | 14.1 | 0.008 | 3.2 | 2.1 | 0.002 | 0.02 | 0.34 | 1 | -999 | 6.6 | 0.72 | -0.05 | 13.1 | 0.123 | 1.5 | 17 | 12.2 | 83 | 75.3 | |
| D | BWS272 | 0.014 | 1.19 | 37.6 | 8.9 | 0.13 | 0.0132 | 0.06 | 0.6 | 15.3 | 7 | 0.026 | 9.1 | 35.2 | -0.002 | 0.08 | 1.33 | 1 | -999 | 72 | 1.31 | -0.05 | 29.3 | 0.326 | 5.2 | 31 | 10.3 | 22 | 171 | |
| D | BWS273 | 0.016 | 0.07 | 25.6 | 10.7 | 0.09 | 0.0078 | 0.03 | 0.5 | 10.3 | 2.3 | 0.013 | 2.5 | 2.8 | -0.002 | 0.04 | 0.51 | 1 | -999 | 6.5 | 0.94 | -0.05 | 14.6 | 0.165 | 1.9 | 5 | 12 | 11 | 116 | |
| D | BWS274 | 0.014 | 0.11 | 17.1 | 9.6 | 0.07 | 0.0148 | 0.03 | 0.45 | 7.8 | 3.5 | 0.01 | 3.1 | 4.4 | -0.002 | 0.04 | 0.5 | 1 | -999 | 16.4 | 0.68 | -0.05 | 10 | 0.143 | 1.9 | 5 | 8.3 | 13 | 108 | |
| D | BWS275 | 0.178 | 1.24 | 32.9 | 11.7 | 0.41 | 0.0222 | 0.13 | 0.7 | 22 | 24.8 | 0.014 | 7.8 | 60.3 | -0.002 | 0.03 | 2.75 | 1 | -999 | 31.9 | 1.76 | -0.05 | 16.2 | 0.331 | 3.8 | 17 | 11.7 | 46 | 221 | |
| D | BWS276 | 0.105 | 2.04 | 29.9 | 11.2 | 0.08 | 0.013 | 0.2 | 0.86 | 14 | 5.2 | 0.014 | 7.4 | 107.5 | -0.002 | 0.03 | 1.31 | -1 | -999 | 27.2 | 1.36 | -0.05 | 13.4 | 0.179 | 2.4 | 11 | 9.5 | 12 | 120 | |
| D | BWS277 | 0.047 | 1.98 | 66.1 | 12.3 | 0.04 | 0.017 | 0.23 | 0.94 | 16.9 | 3.3 | 0.016 | 8.4 | 98.5 | -0.002 | 0.02 | 0.88 | 1 | -999 | 21.8 | 1.85 | -0.05 | 30.4 | 0.216 | 3.2 | 7 | 17.4 | 6 | 156.5 | |
| D | BWS278 | 0.335 | 3.02 | 46.5 | 19.8 | 0.09 | 0.016 | 0.35 | 1.27 | 20.6 | 4.3 | 0.018 | 14.9 | 162.5 | 0.002 | 0.03 | 0.75 | 1 | -999 | 28.4 | 1.95 | -0.05 | 25.1 | 0.262 | 3.9 | 24 | 15.1 | 20 | 138 | |
| D | BWS279 | 0.177 | 3.12 | 56 | 13.4 | 0.06 | 0.0205 | 0.37 | 0.39 | 8.8 | 3.3 | 0.014 | 11.7 | 167.5 | -0.002 | 0.02 | 0.42 | 1 | -999 | 30.3 | 1.04 | -0.05 | 26.6 | 0.108 | 2.5 | 6 | 19.2 | 9 | 73.5 | |
| D | BWS280 | 0.017 | 0.23 | 3.5 | 1.2 | 0.18 | 0.0027 | 0.05 | 0.25 | 1.1 | 3.5 | 0.027 | 9.3 | 10.7 | -0.002 | 0.14 | 0.2 | 1 | -999 | 57.4 | 0.1 | -0.05 | 1.7 | 0.018 | 0.3 | 2 | 1.8 | 30 | 8.9 | |
| D | BWS281 | 0.006 | 0.13 | 1.8 | 0.6 | 0.19 | 0.0018 | 0.05 | 0.14 | 0.5 | 1.8 | 0.028 | 10.4 | 5 | -0.002 | 0.12 | 0.17 | 1 | -999 | 41.3 | -0.05 | -0.05 | 0.7 | 0.011 | 0.2 | 2 | 0.9 | 12 | 4.2 | |
| D | BWS282 | 0.077 | 2.36 | 83 | 16.6 | 0.02 | 0.0078 | 0.32 | 0.5 | 12.4 | 1.5 | 0.018 | 9.5 | 142 | -0.002 | 0.02 | 0.89 | 1 | -999 | 14.9 | 1.18 | -0.05 | 43.1 | 0.139 | 3.3 | 7 | 23.7 | 4 | 122 | |
| D | BWS283 | 0.018 | 3.2 | 62.8 | 13.6 | 0.02 | 0.0189 | 0.47 | 0.38 | 5.6 | 2.4 | 0.014 | 11.7 | 190 | -0.002 | 0.02 | 0.32 | -1 | -999 | 18.1 | 0.6 | -0.05 | 33 | 0.054 | 2.4 | 2 | 20.3 | 3 | 70.5 | |
| D | BWS284 | 0.036 | 3.35 | 78.5 | 14.1 | 0.03 | 0.0169 | 0.58 | 1.09 | 9.9 | 6.2 | 0.02 | 16.7 | 208 | 0.002 | 0.04 | 0.44 | 1 | -999 | 20.4 | 1.07 | -0.05 | 43.3 | 0.088 | 3.7 | 4 | 26.5 | 10 | 110.5 | |
| D | BWS285 | 0.025 | 2.92 | 36.1 | 15.6 | 0.03 | 0.0118 | 0.46 | 0.41 | 4.9 | 2.5 | 0.011 | 10.3 | 176.5 | 0.002 | 0.02 | 0.31 | -1 | -999 | 16.4 | 0.57 | -0.05 | 19.9 | 0.044 | 2 | 2 | 13.3 | 6 | 57.4 | |
| D | BWS286 | 0.021 | 3.36 | 55.8 | 14.1 | 0.02 | 0.0105 | 0.48 | 0.34 | 4.8 | 2.1 | 0.012 | 12.3 | 212 | 0.002 | 0.02 | 0.33 | -1 | -999 | 18.6 | 0.6 | -0.05 | 31.2 | 0.043 | 2.3 | 2 | 20.2 | 4 | 53.5 | |
| D | BWS287 | 0.043 | 2.78 | 58.5 | 20.5 | 0.23 | 0.0332 | 0.42 | 0.49 | 9.4 | 11.9 | 0.038 | 19.6 | 161.5 | -0.002 | 0.06 | 0.48 | 1 | -999 | 58 | 0.9 | -0.05 | 30.2 | 0.158 | 3.6 | 21 | 24 | 42 | 121 | |
| D | BWS288 | 0.011 | 0.38 | 48.5 | 15.7 | 0.02 | 0.01 | 0.05 | 0.37 | 6.9 | 1.8 | 0.011 | 3.6 | 22.7 | -0.002 | 0.01 | 0.24 | -1 | -999 | 6.8 | 0.49 | -0.05 | 25.3 | 0.087 | 2 | 3 | 15.7 | 8 | 78.9 | |
| D | BWS289 | 0.013 | 0.05 | 31.2 | 14.8 | 0.03 | 0.0086 | 0.02 | 0.33 | 7.2 | 1.5 | 0.008 | 2.2 | 2.6 | -0.002 | 0.01 | 0.22 | -1 | -999 | 3.8 | 0.46 | -0.05 | 16.8 | 0.108 | 1.6 | 3 | 13.3 | 18 | 68 | |
| D | BWS290 | 0.019 | 3.19 | 69.3 | 21.1 | 0.02 | 0.0084 | 0.62 | 0.3 | 7 | 1 | 0.014 | 11.1 | 204 | -0.002 | 0.01 | 0.29 | 1 | -999 | 17.3 | 0.79 | -0.05 | 39.2 | 0.06 | 2.7 | 3 | 21.5 | 3 | 53.1 | |
| D | BWS291 | 0.059 | 1.93 | 78 | 15.9 | 0.08 | 0.0107 | 0.19 | 0.92 | 15.9 | 4 | 0.021 | 12.4 | 112 | -0.002 | 0.02 | 0.38 | 1 | -999 | 13.8 | 1.42 | -0.05 | 39.2 | 0.168 | 3.5 | 12 | 20 | 11 | 113 | |
| D | BWS292 | 0.007 | 0.04 | 11.8 | 14.7 | 0.01 | 0.0074 | 0.01 | 0.24 | 3.8 | 2 | 0.003 | 1 | 2.4 | -0.002 | -0.01 | 0.26 | -1 | -999 | 1.3 | 0.11 | -0.05 | 6.3 | 0.062 | 0.8 | 2 | 7.6 | -2 | 36.3 | |
| D | BWS293 | 0.011 | 0.04 | 12 | 12.9 | 0.85 | 0.0109 | 0.02 | 0.38 | 5.1 | 29.1 | 0.005 | 1.4 | 2.4 | -0.002 | 0.01 | 0.56 | -1 | -999 | 3.4 | 0.36 | -0.05 | 6 | 0.089 | 0.9 | 15 | 6.7 | 20 | 51.5 | |
| D | BWS294 | 0.236 | 2.91 | 46.2 | 18.3 | 0.19 | 0.0175 | 0.15 | 0.46 | 8.4 | 24.5 | 0.011 | 7.5 | 146.5 | -0.002 | 0.02 | 0.73 | 1 | -999 | 18.7 | 0.75 | -0.05 | 16.6 | 0.09 | 2.9 | 12 | 17.2 | 20 | 60.5 | |
| D | BWS295 | 0.029 | 0.22 | 13.2 | 13 | 0.05 | 0.0122 | 0.02 | 0.51 | 10.1 | 3.3 | 0.007 | 2.6 | 8.7 | -0.002 | 0.01 | 1.3 | -1 | -999 | 15.7 | 0.67 | -0.05 | 8.8 | 0.235 | 1.8 | 19 | 6.4 | 17 | 103 | |
| D | BWS296 | 0.415 | 1.69 | 25.1 | 16.7 | 0.45 | 0.0516 | 0.11 | 0.5 | 9.8 | 11.8 | 0.015 | 17.4 | 67.5 | -0.002 | 0.03 | 1.94 | 1 | -999 | 63.7 | 0.83 | -0.05 | 16 | 0.229 | 2.8 | 41 | 13 | 68 | 108.5 | |
| D | BWS297 | 0.055 | 0.66 | 12.1 | 12.7 | 0.02 | 0.0079 | 0.08 | 0.35 | 5.5 | 5.1 | 0.004 | 4.9 | 35.5 | -0.002 | -0.01 | 0.49 | -1 | -999 | 6.9 | 0.51 | -0.05 | 5.4 | 0.064 | 1.1 | 3 | 5.4 | 8 | 53.2 | |
| D | BWS298 | 0.236 | 2.25 | 38 | 18.3 | 0.11 | 0.0095 | 0.23 | 0.96 | 22.1 | 5.5 | 0.015 | 12 | 126 | 0.002 | 0.02 | 1.35 | 1 | -999 | 39.1 | 2.05 | -0.05 | 20 | 0.312 | 4 | 26 | 11.3 | 15 | 172.5 | |
| D | BWS299 | 0.023 | 1.5 | 44.1 | 13.4 | 0.04 | 0.0119 | 0.18 | 0.61 | 12.1 | 2 | 0.015 | 7.2 | 81.7 | -0.002 | 0.03 | 0.67 | -1 | -999 | 18.9 | 1.19 | -0.05 | 23.2 | 0.166 | 2.4 | 7 | 13.8 | 6 | 100 | |
| D | BWS300 | 0.014 | 0.06 | 15.6 | 14.1 | 0.05 | 0.0133 | 0.02 | 0.42 | 5.6 | 2.6 | 0.008 | 1.3 | 3.1 | -0.002 | 0.02 | 0.25 | -1 | -999 | 4.7 | 0.45 | -0.05 | 9.1 | 0.099 | 1.4 | 3 | 11.5 | 3 | 68.8 | |
| D | BWS301 | 0.007 | 0.07 | 25.4 | 8.1 | 0.07 | 0.0163 | 0.04 | 0.59 | 7.3 | 3.3 | 0.019 | 5.3 | 2.6 | 0.002 | 0.07 | 0.27 | 1 | -999 | 23.7 | 0.43 | -0.05 | 14.2 | 0.134 | 1.7 | 4 | 14.8 | 16 | 57.9 | |
| D | BWS302 | 0.01 | 0.07 | 28.8 | 13.2 | 0.04 | 0.0161 | 0.03 | 0.71 | 8.7 | 2.9 | 0.013 | 4.1 | 3.4 | -0.002 | 0.03 | 0.31 | -1 | -999 | 10.3 | 0.71 | -0.05 | 16.1 | 0.149 | 1.8 | 5 | 14.7 | 5 | 86.5 | |
| D | BWS303 | 0.057 | 2.81 | 120.5 | 17.4 | 0.03 | 0.01 | 0.52 | 0.52 | 11.7 | 1.3 | 0.023 | 11.6 | 181.5 | 0.002 | 0.02 | 0.46 | 1 | -999 | 17.9 | 1.25 | -0.05 | 67 | 0.104 | 4.6 | 3 | 35.4 | 5 | 119 | |
| D | BWS304 | 0.005 | 0.14 | 11.2 | 6.4 | 0.1 | 0.0103 | 0.04 | 0.37 | 2.7 | 2.3 | 0.016 | 1.8 | 7.6 | -0.002 | 0.08 | 0.16 | -1 | -999 | 34.7 | 0.15 | -0.05 | 6.5 | 0.046 | 0.7 | 2 | 5.8 | 26 | 30.5 | |
| D | BWS305 | 0.017 | 2.57 | 42.8 | 12.2 | 0.03 | 0.0103 | 0.44 | 0.37 | 4.8 | 1.8 | 0.016 | 11 | 160.5 | -0.002 | 0.06 | 0.33 | -1 | -999 | 21.1 | 0.56 | -0.05 | 24.4 | 0.039 | 1.9 | 1 | 13.5 | 8 | 62.5 | |
| D | BWS306 | 0.013 | 2.57 | 43.1 | 11.8 | 0.02 | 0.0132 | 0.34 | 0.4 | 3.7 | 2.2 | 0.012 | 10 | 149.5 | -0.002 | 0.03 | 0.3 | 1 | -999 | 15.7 | 0.4 | -0.05 | 22.9 | 0.037 | 1.7 | 2 | 14.5 | 3 | 38.2 | |
| D | BWS308 | 0.005 | 2.56 | 34.9 | 12.2 | 0.02 | 0.005 | 0.31 | 0.24 | 2.7 | 0.8 | 0.011 | 9.8 | 138 | -0.002 | 0.03 | 0.25 | -1 | -999 | 19.1 | 0.28 | -0.05 | 18.5 | 0.031 | 1.6 | 1 | 9.6 | -2 | 27.4 | |
| D | BWS309 | 0.005 | 0.17 | 43.4 | 11.3 | 0.05 | 0.0105 | 0.06 | 0.34 | 5 | 1.7 | 0.014 | 4 | 9 | -0.002 | 0.03 | 0.25 | -1 | -999 | 12.4 | 0.39 | -0.05 | 24.8 | 0.1 | 2.3 | 3 | 17.4 | 6 | 95.4 | |
| D | BWS310 | -0.005 | 0.31 | 47.7 | 13.3 | 0.05 | 0.0323 | 0.06 | 0.8 | 5.8 | 8.2 | 0.013 | 3.7 | 15.4 | -0.002 | 0.02 | 0.3 | 1 | -999 | 10.4 | 0.55 | -0.05 | 28.6 | 0.116 | 2.5 | 6 | 18.7 | 15 | 106 | |
| D | BWS311 | 0.052 | 2.78 | 78.4 | 22.9 | 0.1 | 0.0306 | 0.42 | 0.69 | 10.2 | 9 | 0.018 | 12.8 | 159.5 | -0.002 | 0.03 | 0.52 | 1 | -999 | 39.4 | 1.02 | -0.05 | 43.7 | 0.15 | 4.5 | 11 | 30.2 | 15 | 189.5 | |
| D | BWS312 | 0.267 | 0.57 | 21.2 | 11.6 | 0.17 | 0.0165 | 0.05 | 0.91 | 6.1 | 9.3 | 0.087 | 13.9 | 30.3 | -0.002 | 0.13 | 0.9 | 1 | -999 | 24.6 | 0.48 | -0.05 | 8.1 | 0.181 | 1.8 | 39 | 6.6 | 9 | 49.3 | |
| D | BWS314 | 1.39 | 0.12 | 28.4 | 10.6 | 0.08 | 0.0293 | 0.02 | 1.01 | 10.3 | 15.4 | 0.077 | 13.3 | 6.4 | 0.002 | 0.06 | 1.53 | 2 | -999 | 26.4 | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|-------|------|-------|------|------|--------|------|------|------|------|-------|------|-------|--------|-------|------|-----|------|------|------|-------|------|-------|-----|-----|------|-----|-------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | BWS327 | 0.013 | 2.21 | 73 | 11.6 | 0.04 | 0.0177 | 0.39 | 0.63 | 11.6 | 2.4 | 0.019 | 10.3 | 112.5 | -0.002 | 0.03 | 0.33 | 1 | -999 | 17.4 | 1.15 | -0.05 | 39.8 | 0.131 | 3.3 | 3 | 22.4 | 5 | 130 | |
| D | BWS328 | 0.012 | 3.08 | 42.7 | 6.9 | 0.04 | 0.0177 | 0.37 | 0.95 | 11.7 | 3.2 | 0.017 | 13.4 | 162.5 | -0.002 | 0.03 | 0.37 | 1 | -999 | 25.8 | 1.33 | -0.05 | 23.1 | 0.104 | 3 | 5 | 19.4 | 4 | 76.3 | |
| D | BWS329 | 0.008 | 2.87 | 64.7 | 7.8 | 0.04 | 0.0077 | 0.32 | 0.77 | 11.9 | 1.8 | 0.019 | 13.6 | 153 | 0.002 | 0.03 | 0.36 | 1 | -999 | 22.5 | 1.28 | -0.05 | 34.4 | 0.112 | 3.2 | 6 | 19.8 | 5 | 81.3 | |
| D | BWS330 | 0.006 | 0.77 | 50.4 | 17.8 | 0.01 | 0.0111 | 0.23 | 0.42 | 6.7 | 2.3 | 0.013 | 6.3 | 46.1 | -0.002 | 0.01 | 0.31 | -1 | -999 | 7.8 | 0.59 | -0.05 | 28.9 | 0.078 | 2.7 | 2 | 18.7 | 3 | 96.5 | |
| D | BWS331 | 0.075 | 5.15 | 70.9 | 39.7 | 0.03 | 0.0176 | 1.15 | 2.12 | 20.2 | 2.7 | 0.017 | 22.9 | 286 | -0.002 | -0.01 | 0.43 | 1 | -999 | 22.8 | 1.46 | -0.05 | 34 | 0.242 | 5.4 | 20 | 17.4 | 16 | 106.5 | |
| D | BWS332 | 0.028 | 1.22 | 25.4 | 14.2 | 0.01 | 0.0196 | 0.14 | 0.59 | 7.6 | 3.1 | 0.006 | 4.4 | 64 | -0.002 | -0.01 | 0.42 | -1 | -999 | 10 | 0.77 | -0.05 | 11.4 | 0.092 | 1.4 | 3 | 11.3 | 3 | 58.5 | |
| D | BWS333 | 0.083 | 2.06 | 43.3 | 14.9 | 0.02 | 0.0371 | 0.2 | 1.12 | 14.4 | 7.1 | 0.014 | 8.2 | 106 | -0.002 | 0.01 | 0.62 | -1 | -999 | 16.8 | 1.34 | -0.05 | 18.3 | 0.163 | 3.5 | 6 | 16.1 | 27 | 98.9 | |
| D | BWS334 | 0.151 | 2.21 | 42.5 | 22.4 | 0.06 | 0.0133 | 0.19 | 1.41 | 22.6 | 3.2 | 0.015 | 11.9 | 128.5 | -0.002 | 0.02 | 0.57 | 1 | -999 | 18.1 | 2.05 | -0.05 | 23.7 | 0.252 | 5 | 20 | 13 | 21 | 119 | |
| D | BWS335 | 0.135 | 1.49 | 46.3 | 26.2 | 0.06 | 0.0107 | 0.13 | 0.8 | 21.6 | 2.9 | 0.013 | 7.3 | 83.1 | -0.002 | 0.02 | 1.03 | 1 | -999 | 15.3 | 2.01 | -0.05 | 20.1 | 0.229 | 3.9 | 11 | 13.3 | 23 | 115 | |
| D | BWS336 | 0.176 | 2.62 | 33.3 | 27 | 0.09 | 0.0107 | 0.25 | 1.47 | 24.8 | 5.8 | 0.014 | 11.1 | 149.5 | 0.002 | 0.02 | 0.63 | 1 | -999 | 22.6 | 2.31 | -0.05 | 27.4 | 0.275 | 6.3 | 21 | 10.8 | 21 | 129.5 | |
| D | BWS337 | 0.767 | 1.37 | 12.6 | 19.7 | 0.06 | 0.0157 | 0.07 | 1.66 | 14.6 | 1.9 | 0.015 | 11.9 | 121 | 0.002 | 0.02 | 1.14 | 1 | -999 | 8.4 | 1.79 | -0.05 | 17 | 0.11 | 3.4 | 9 | 9.1 | 36 | 67.6 | |
| D | BWS338 | 0.241 | 2.94 | 35 | 37.9 | 0.09 | 0.0847 | 0.28 | 1.58 | 21.8 | 3.4 | 0.023 | 22.2 | 175.5 | -0.002 | 0.04 | 0.54 | 2 | -999 | 24.5 | 1.97 | -0.05 | 27 | 0.231 | 7.1 | 17 | 14.5 | 31 | 97.4 | |
| D | BWS339 | 0.673 | 2.42 | 53.6 | 47.7 | 0.06 | 0.0372 | 0.24 | 2.26 | 19.4 | 2.3 | 0.019 | 14.9 | 170 | 0.002 | 0.02 | 1.21 | 2 | -999 | 22.4 | 1.89 | -0.05 | 25.8 | 0.173 | 4.9 | 14 | 16.1 | 54 | 94 | |
| D | BWS340 | 0.289 | 2.96 | 56.3 | 60.6 | 0.1 | 0.0245 | 0.46 | 2.17 | 27.6 | 5.6 | 0.025 | 20.8 | 199 | 0.002 | 0.04 | 0.54 | 2 | -999 | 28.1 | 2.68 | -0.05 | 29.9 | 0.298 | 5.1 | 25 | 19.6 | 26 | 135 | |
| D | BWS341 | 0.042 | 2.97 | 57.1 | 18.2 | 0.03 | 0.0087 | 0.32 | 0.88 | 17.4 | 2 | 0.014 | 11.7 | 167.5 | -0.002 | 0.01 | 0.38 | 1 | -999 | 17.9 | 1.89 | -0.05 | 32.5 | 0.176 | 3.4 | 10 | 20.9 | 6 | 123 | |
| D | BWS342 | 0.138 | 0.05 | 20.9 | 14.1 | 0.02 | 0.0101 | 0.02 | 0.35 | 7.2 | 1.2 | 0.009 | 2.4 | 2.9 | -0.002 | 0.01 | 0.67 | -1 | -999 | 5.7 | 0.5 | -0.05 | 11.6 | 0.118 | 1.5 | 4 | 11.3 | 5 | 80.4 | |
| D | BWS343 | 4.12 | 2.16 | 47.5 | 28.5 | 0.23 | 0.0301 | 0.13 | 2.13 | 22.6 | 4.1 | 0.024 | 28.2 | 124.5 | 0.002 | 0.03 | 0.43 | 2 | -999 | 44.1 | 1.78 | 0.09 | 36.2 | 0.388 | 7.5 | 40 | 16.8 | 61 | 157 | |
| D | BWS344 | 0.027 | 2.41 | 63.6 | 15.4 | 0.01 | 0.0077 | 0.31 | 0.45 | 11.5 | 2.5 | 0.011 | 8.8 | 133 | -0.002 | -0.01 | 0.32 | 1 | -999 | 13.6 | 1.17 | -0.05 | 33 | 0.109 | 2.9 | 3 | 23.2 | 3 | 91.6 | |
| D | BWS345 | 0.031 | 3.47 | 68 | 14.3 | 0.02 | 0.0112 | 0.67 | 0.5 | 7.9 | 2.2 | 0.017 | 14.4 | 190 | 0.002 | 0.02 | 0.34 | -1 | -999 | 21.1 | 0.82 | -0.05 | 36.7 | 0.077 | 2.9 | 3 | 21.2 | 5 | 93.3 | |
| D | BWS346 | 0.019 | 3.42 | 66 | 15.3 | 0.03 | 0.0071 | 0.35 | 1 | 15.9 | 2.1 | 0.017 | 15.8 | 199.5 | -0.002 | 0.02 | 0.43 | 1 | -999 | 20.6 | 1.63 | -0.05 | 35.5 | 0.128 | 4.4 | 8 | 24.6 | 5 | 95.2 | |
| D | BWS347 | 0.018 | 4.98 | 40.4 | 41.2 | 0.06 | 0.014 | 0.62 | 2.44 | 16.3 | 1.6 | 0.014 | 21.7 | 306 | -0.002 | 0.02 | 0.4 | 1 | -999 | 32.5 | 1.9 | -0.05 | 24.8 | 0.098 | 7 | 7 | 20.8 | 9 | 75.7 | |
| D | BWS348 | 0.005 | 3.38 | 76.3 | 9.2 | 0.02 | 0.0166 | 0.44 | 0.95 | 11.8 | 2.6 | 0.013 | 12 | 179 | -0.002 | 0.01 | 0.35 | 1 | -999 | 23.8 | 1.18 | -0.05 | 40 | 0.111 | 3.7 | 4 | 31.6 | 2 | 92.1 | |
| D | BWS349 | 0.005 | 2.23 | 134.5 | 7.5 | 0.03 | 0.0247 | 0.58 | 1.12 | 13.6 | 3.8 | 0.021 | 10 | 119 | 0.002 | 0.02 | 0.34 | 1 | -999 | 14 | 1.32 | -0.05 | 69.2 | 0.143 | 4.8 | 4 | 41.4 | 4 | 99.8 | |
| D | BWS350 | 0.01 | 2.93 | 75.6 | 9.6 | 0.07 | 0.0098 | 0.35 | 1.16 | 15 | 2.7 | 0.022 | 15.4 | 155 | -0.002 | 0.04 | 0.48 | 1 | -999 | 26 | 1.5 | -0.05 | 38.9 | 0.127 | 3.4 | 7 | 21.7 | 7 | 83.4 | |
| D | BWS351 | 0.017 | 2.31 | 87.3 | 23 | 0.06 | 0.0084 | 0.22 | 1.24 | 19.5 | 2.9 | 0.019 | 13.7 | 131 | 0.002 | 0.02 | 0.4 | 1 | -999 | 14.7 | 1.69 | -0.05 | 45.2 | 0.173 | 4.3 | 12 | 25.2 | 8 | 101 | |
| D | BWS352 | 0.021 | 2.74 | 79.1 | 38.1 | 0.08 | 0.0079 | 0.26 | 1.72 | 20.3 | 3 | 0.02 | 17.5 | 152.5 | -0.002 | 0.02 | 0.37 | 1 | -999 | 17.3 | 1.74 | -0.05 | 41.7 | 0.183 | 4.7 | 14 | 21.7 | 11 | 91.4 | |
| D | BWS353 | 0.013 | 3 | 82.7 | 21.5 | 0.04 | 0.0085 | 0.28 | 2.38 | 17.7 | 2 | 0.025 | 17.9 | 160 | 0.002 | 0.03 | 0.26 | 1 | -999 | 20.2 | 1.48 | -0.05 | 42.1 | 0.172 | 4.7 | 12 | 20 | 9 | 95.9 | |
| D | BWS354 | 0.031 | 3.18 | 71.5 | 41.1 | 0.09 | 0.0138 | 0.32 | 5.69 | 24.3 | 4.1 | 0.024 | 22.7 | 185 | -0.002 | 0.03 | 0.32 | 2 | -999 | 23 | 1.92 | -0.05 | 46.4 | 0.237 | 6.3 | 20 | 18.1 | 16 | 108 | |
| D | BWS355 | 0.026 | 2.94 | 80.8 | 37.6 | 0.09 | 0.0108 | 0.3 | 2.06 | 20.4 | 3.4 | 0.026 | 21.7 | 170.5 | -0.002 | 0.02 | 0.32 | 1 | -999 | 20.8 | 1.73 | -0.05 | 43.6 | 0.206 | 5.3 | 16 | 21.4 | 13 | 110.5 | |
| D | BWS357 | 0.171 | 0.18 | 31.6 | 18.7 | 0.07 | 0.0085 | 0.02 | 1.22 | 12.3 | 10.8 | 0.04 | 15.9 | 11.9 | -0.002 | 0.03 | 0.95 | 3 | -999 | 38.8 | 0.92 | -0.05 | 13.3 | 0.346 | 2.5 | 55 | 7.2 | 23 | 96.2 | |
| D | BWS358 | 0.221 | 0.21 | 34.9 | 20 | 0.07 | 0.0171 | 0.03 | 0.79 | 11.8 | 12.4 | 0.047 | 15.7 | 14.5 | -0.002 | 0.03 | 1.17 | 2 | -999 | 41.6 | 0.89 | -0.05 | 12.2 | 0.325 | 2.6 | 51 | 8.7 | 30 | 96.5 | |
| D | BWS359 | 0.126 | 3.32 | 32.1 | 12.7 | 0.03 | 0.0118 | 0.31 | 1.62 | 23.3 | 1.9 | 0.018 | 12.4 | 184 | -0.002 | 0.03 | 0.6 | 1 | -999 | 25.1 | 2 | -0.05 | 24.7 | 0.218 | 7.3 | 15 | 10.4 | 20 | 111 | |
| D | BWS360 | 0.152 | 2.68 | 23.6 | 21.3 | 0.04 | 0.0136 | 0.25 | 1.3 | 17.5 | 2.8 | 0.014 | 12.4 | 155 | -0.002 | 0.02 | 0.59 | 1 | -999 | 21.3 | 1.71 | -0.05 | 15.8 | 0.189 | 3.8 | 15 | 9 | 18 | 96.6 | |
| D | BWS361 | 0.111 | 3.38 | 46.6 | 21.7 | 0.07 | 0.0183 | 0.45 | 1.82 | 20.1 | 3.9 | 0.021 | 15.9 | 200 | -0.002 | 0.03 | 0.44 | 1 | -999 | 24 | 1.97 | -0.05 | 23.9 | 0.202 | 3.3 | 16 | 14.2 | 19 | 117 | |
| D | BWS362 | 0.022 | 4.32 | 40.6 | 27.3 | 0.05 | 0.012 | 0.45 | 1.7 | 22.4 | 2.5 | 0.031 | 20.9 | 244 | -0.002 | 0.04 | 0.36 | 1 | -999 | 27.6 | 2.13 | -0.05 | 27.3 | 0.202 | 8.1 | 15 | 13.9 | 13 | 100.5 | |
| D | BWS363 | 0.06 | 3.79 | 41.5 | 36.6 | 0.05 | 0.0116 | 0.55 | 1.16 | 18.7 | 4.4 | 0.018 | 18.1 | 229 | -0.002 | 0.03 | 0.35 | 1 | -999 | 27.3 | 1.9 | -0.05 | 23.8 | 0.177 | 3.9 | 13 | 13.4 | 14 | 94.5 | |
| D | BWS364 | 0.015 | 1.87 | 62.1 | 15.1 | 0.03 | 0.0103 | 0.21 | 0.56 | 16.4 | 1.6 | 0.015 | 8.7 | 104 | -0.002 | 0.02 | 0.37 | 1 | -999 | 14.2 | 1.76 | -0.05 | 32.7 | 0.163 | 3 | 5 | 19.3 | 5 | 104 | |
| D | BWS365 | 0.027 | 2.16 | 61.9 | 19.4 | 0.04 | 0.0077 | 0.22 | 1.03 | 17.4 | 1.2 | 0.017 | 10.4 | 128.5 | 0.002 | 0.02 | 0.38 | 1 | -999 | 16.3 | 1.94 | -0.05 | 32.8 | 0.165 | 3.2 | 8 | 18.9 | 5 | 108.5 | |
| D | BWS366 | 0.027 | 2.34 | 77.4 | 23.9 | 0.05 | 0.009 | 0.23 | 0.6 | 19.3 | 1.1 | 0.016 | 8.4 | 136 | 0.002 | 0.01 | 0.41 | 1 | -999 | 19.5 | 1.89 | -0.05 | 39.3 | 0.178 | 3.1 | 6 | 20.7 | 6 | 109.5 | |
| D | BWS367 | 0.012 | 0.1 | 46.4 | 18.6 | 0.01 | 0.0115 | 0.04 | 0.37 | 10 | 1.5 | 0.009 | 2.6 | 6.2 | -0.002 | 0.01 | 0.5 | -1 | -999 | 3.2 | 0.71 | -0.05 | 24.2 | 0.121 | 2.2 | 3 | 19 | 4 | 91.6 | |
| D | BWS368 | 0.025 | 3.18 | 69.4 | 15.3 | 0.02 | 0.0133 | 0.54 | 0.66 | 11.2 | 2.3 | 0.015 | 12 | 172.5 | 0.002 | 0.01 | 0.39 | 1 | -999 | 18.4 | 1.17 | -0.05 | 37.6 | 0.112 | 3 | 4 | 23.2 | 9 | 98.8 | |
| D | BWS369 | 0.1 | 3.19 | 113 | 25.3 | 0.06 | 0.0146 | 0.35 | 0.59 | 13.5 | 1 | 0.021 | 12.6 | 177 | 0.002 | 0.01 | 0.44 | 1 | -999 | 20.4 | 1.15 | -0.05 | 48.9 | 0.14 | 3.9 | 6 | 28.6 | 8 | 115.5 | |
| D | BWS370 | 0.104 | 2.14 | 51.3 | 18.9 | 0.03 | 0.0091 | 0.19 | 0.58 | 20.2 | 1.4 | 0.011 | 8.1 | 124.5 | -0.002 | 0.01 | 1.16 | 1 | -999 | 22.6 | 1.76 | -0.05 | 19.2 | 0.202 | 2.7 | 7 | 13.2 | 13 | 129 | |
| D | BWS371 | 0.178 | 2.68 | 32.9 | 17.3 | 0.04 | 0.0092 | 0.22 | 0.59 | 14.9 | 1.3 | 0.009 | 8.4 | 156 | 0.002 | 0.01 | 0.82 | -1 | -999 | 19.7 | 1.31 | -0.05 | 12 | 0.149 | 2.4 | 7 | 9.7 | 16 | 86.1 | |
| D | BWS372 | 0.123 | 2.89 | 30.3 | 18.9 | 0.05 | 0.0117 | 0.24 | 0.8 | 19 | 2.2 | | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments | |
|-------|--------|--------|------|------|------|------|--------|------|------|------|------|-------|------|-------|--------|------|------|-----|------|------|------|-------|------|-------|-----|-----|------|-----|-------|-----------|--|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| D | BWS384 | 0.049 | 3.84 | 69.8 | 18.4 | 0.04 | 0.0112 | 0.6 | 3.46 | 18.4 | 1.9 | 0.02 | 16 | 212 | -0.002 | 0.03 | 0.42 | 1 | -999 | 30.1 | 1.88 | -0.05 | 34.6 | 0.191 | 3.8 | 10 | 17.7 | 13 | 143 | | |
| D | BWS385 | 0.275 | 2.65 | 61.8 | 34 | 0.07 | 0.0168 | 0.25 | 1.16 | 21.1 | 3.1 | 0.02 | 13.6 | 187.5 | -0.002 | 0.03 | 0.96 | 1 | -999 | 19 | 2.07 | -0.05 | 24.1 | 0.219 | 2.9 | 13 | 13.9 | 32 | 133.5 | | |
| D | BWS386 | 0.243 | 2.73 | 25.7 | 30.8 | 0.06 | 0.0136 | 0.26 | 1.2 | 19.4 | 2.6 | 0.013 | 12.7 | 189 | -0.002 | 0.03 | 0.75 | 1 | -999 | 21.7 | 1.95 | -0.05 | 12.6 | 0.197 | 3.7 | 14 | 9.7 | 26 | 123.5 | | |
| D | BWS387 | 0.014 | 1.61 | 10.7 | 5.5 | 0.1 | 0.0091 | 0.26 | 0.6 | 9.8 | 2.1 | 0.023 | 12.1 | 85.2 | -0.002 | 0.09 | 0.31 | -1 | -999 | 46.7 | 1.05 | -0.05 | 5.3 | 0.104 | 1.1 | 3 | 3.6 | 9 | 53.1 | | |
| D | BWS388 | 0.04 | 2.93 | 13 | 11.3 | 0.04 | 0.0125 | 0.28 | 0.65 | 13.9 | 1.8 | 0.013 | 10.5 | 161.5 | -0.002 | 0.03 | 0.48 | -1 | -999 | 29.5 | 1.51 | -0.05 | 7.2 | 0.134 | 2.2 | 6 | 5.7 | 10 | 86.9 | | |
| D | BWS389 | 0.053 | 2.51 | 48.4 | 15.9 | 0.04 | 0.0171 | 0.3 | 0.47 | 13.8 | 2.5 | 0.015 | 8.6 | 141 | -0.002 | 0.02 | 0.36 | -1 | -999 | 20.8 | 1.65 | -0.05 | 20.8 | 0.144 | 2.5 | 3 | 14.1 | 7 | 130 | | |
| D | BWS390 | 0.009 | 5.18 | 28.6 | 10 | 0.01 | 0.0092 | 0.77 | 0.42 | 9.2 | 1.8 | 0.009 | 15.6 | 263 | -0.002 | 0.01 | 0.16 | -1 | -999 | 37.5 | 1.03 | -0.05 | 14.3 | 0.092 | 2.1 | 3 | 10.8 | 3 | 92.1 | | |
| D | BWS391 | 0.135 | 3.04 | 39.5 | 67.3 | 0.09 | 0.0242 | 0.69 | 2.44 | 24.9 | 2.7 | 0.02 | 22.1 | 197.5 | -0.002 | 0.05 | 0.34 | 2 | -999 | 25 | 2.41 | -0.05 | 27.7 | 0.236 | 6.2 | 22 | 15.6 | 24 | 100.5 | | |
| D | BWS392 | 0.041 | 2.83 | 64 | 25.1 | 0.06 | 0.0125 | 0.38 | 1.59 | 27.3 | 3.3 | 0.021 | 14.2 | 174.5 | -0.002 | 0.03 | 0.32 | 1 | -999 | 23.4 | 2.66 | -0.05 | 31.8 | 0.319 | 3.7 | 22 | 19.1 | 14 | 156.5 | | |
| D | BWS393 | 0.026 | 4.54 | 33.7 | 33.7 | 0.05 | 0.0115 | 0.54 | 1.21 | 17.3 | 3.9 | 0.017 | 19.1 | 261 | -0.002 | 0.02 | 0.27 | 1 | -999 | 32 | 1.87 | -0.05 | 21.7 | 0.151 | 3.5 | 12 | 12.7 | 16 | 83.3 | | |
| D | BWS394 | 0.045 | 2.64 | 67.1 | 16.7 | 0.04 | 0.0104 | 0.35 | 0.59 | 15 | 2.7 | 0.019 | 13.4 | 148 | -0.002 | 0.03 | 0.47 | -1 | -999 | 21.5 | 1.55 | -0.05 | 35.5 | 0.155 | 3.3 | 5 | 19.9 | 7 | 132.5 | | |
| D | MHS001 | 0.048 | 0.92 | 29.4 | 30.1 | 0.63 | 0.0642 | 0.29 | 1 | 16.5 | 50 | 0.061 | 32.9 | 59 | 0.002 | 0.02 | 0.94 | 1 | -999 | 44.1 | 1.12 | -0.05 | 8.7 | 0.607 | 2 | 86 | 16.6 | 104 | 138 | | |
| D | MHS002 | 0.056 | 0.82 | 30.7 | 35.8 | 0.6 | 0.0326 | 0.33 | 0.91 | 18.4 | 48.6 | 0.032 | 32.8 | 59.4 | 0.002 | 0.02 | 1.01 | 1 | -999 | 40.8 | 1.26 | -0.05 | 9.6 | 0.713 | 2.2 | 101 | 16.9 | 111 | 148 | | |
| D | MHS003 | 0.067 | 0.58 | 28.9 | 38.2 | 0.39 | 0.0231 | 0.23 | 1.34 | 20.5 | 37.1 | 0.033 | 39 | 49.1 | 0.002 | 0.03 | 1.18 | 2 | -999 | 36.7 | 1.4 | -0.05 | 10.1 | 0.841 | 2.5 | 114 | 13.8 | 77 | 162 | | |
| D | MHS004 | 0.037 | 0.74 | 39.4 | 16.1 | 0.21 | 0.0077 | 0.06 | 0.75 | 17.3 | 9.6 | 0.019 | 19.2 | 75.7 | -0.002 | 0.02 | 0.7 | 1 | -999 | 22.6 | 1.31 | -0.05 | 10 | 0.573 | 2.3 | 70 | 10.2 | 17 | 139.5 | | |
| D | MHS005 | 0.028 | 0.37 | 41.8 | 12 | 0.14 | 0.0079 | 0.07 | 0.87 | 20.9 | 9.6 | 0.018 | 20.4 | 30.5 | -0.002 | 0.02 | 0.87 | 1 | -999 | 22.2 | 1.53 | -0.05 | 10.6 | 0.78 | 2.4 | 67 | 11 | 16 | 153.5 | | |
| D | MHS006 | 0.024 | 0.68 | 37.9 | 10.3 | 0.16 | 0.0043 | 0.04 | 0.53 | 15.4 | 5.9 | 0.015 | 13.8 | 66 | -0.002 | 0.01 | 0.68 | 1 | -999 | 17.9 | 1.19 | -0.05 | 9.7 | 0.518 | 2.5 | 46 | 9.7 | 11 | 159 | | |
| D | MHS007 | 0.03 | 0.79 | 50.3 | 10.9 | 0.19 | 0.0037 | 0.04 | 0.51 | 20.3 | 4.7 | 0.018 | 15.2 | 76.8 | -0.002 | 0.02 | 0.7 | 1 | -999 | 27 | 1.57 | -0.05 | 11.9 | 0.643 | 2.7 | 55 | 10.6 | 12 | 150.5 | | |
| D | MHS008 | 0.032 | 0.81 | 45.5 | 11.2 | 0.2 | 0.0039 | 0.04 | 0.45 | 16.1 | 6.3 | 0.02 | 16.4 | 75.4 | -0.002 | 0.03 | 0.68 | 1 | -999 | 23.3 | 1.25 | -0.05 | 12.6 | 0.501 | 2.4 | 55 | 10.1 | 15 | 127 | | |
| D | MHS009 | 0.042 | 1.18 | 38.7 | 21.9 | 0.26 | 0.0047 | 0.06 | 0.55 | 15.3 | 14.9 | 0.017 | 22.6 | 96.4 | -0.002 | 0.01 | 0.81 | 1 | -999 | 22.9 | 1.18 | -0.05 | 11.6 | 0.498 | 2.5 | 74 | 11.1 | 27 | 136 | | |
| D | MHS010 | 0.031 | 0.88 | 47.7 | 10.8 | 0.21 | 0.0038 | 0.05 | 0.46 | 19.8 | 5.4 | 0.019 | 14.3 | 87.3 | 0.002 | 0.03 | 0.73 | 1 | -999 | 27.7 | 1.49 | -0.05 | 11.1 | 0.599 | 2.4 | 56 | 10.3 | 14 | 128 | | |
| D | MHS011 | 0.022 | 0.74 | 45.4 | 8.3 | 0.16 | 0.0036 | 0.04 | 0.46 | 17.7 | 4.4 | 0.022 | 12.2 | 71 | -0.002 | 0.04 | 0.67 | 1 | -999 | 24.9 | 1.41 | -0.05 | 10.6 | 0.552 | 2.4 | 41 | 9.3 | 13 | 134.5 | | |
| D | MHS012 | 0.007 | 0.1 | 3.5 | 1.7 | 0.08 | 0.0027 | 0.04 | 0.2 | 1.8 | 2.3 | 0.034 | 19.2 | 4.1 | -0.002 | 0.13 | 0.3 | -1 | -999 | 23.8 | 0.13 | -0.05 | 0.9 | 0.662 | 0.3 | 3 | 1.3 | 12 | 14 | | |
| D | MHS013 | 0.015 | 0.22 | 11.4 | 4 | 0.15 | 0.0031 | 0.05 | 0.44 | 5 | 3.9 | 0.027 | 12.8 | 18.1 | 0.002 | 0.14 | 0.44 | 1 | -999 | 16.3 | 0.37 | -0.05 | 3 | 0.166 | 0.7 | 21 | 3 | 24 | 34.9 | | |
| D | MHS014 | 0.047 | 0.5 | 21.5 | 24.2 | 0.23 | 0.0075 | 0.06 | 0.83 | 11.8 | 8.9 | 0.03 | 21.3 | 47.7 | 0.002 | 0.07 | 0.91 | 1 | -999 | 19 | 0.84 | 0.05 | 7.3 | 0.377 | 2.1 | 67 | 8.8 | 31 | 101.5 | | |
| D | MHS015 | 0.042 | 0.7 | 26.7 | 27.5 | 0.27 | 0.0093 | 0.08 | 0.89 | 14.7 | 10.1 | 0.018 | 25.9 | 80.4 | -0.002 | 0.02 | 1 | 1 | -999 | 21.4 | 1.04 | -0.05 | 8.8 | 0.446 | 2.4 | 71 | 10.2 | 32 | 126 | | |
| D | MHS016 | 0.036 | 0.45 | 22.5 | 18.9 | 0.16 | 0.0059 | 0.05 | 0.86 | 15 | 5.1 | 0.016 | 21.5 | 48.5 | 0.002 | 0.03 | 1.07 | 1 | -999 | 16.5 | 1.01 | -0.05 | 6.8 | 0.443 | 2.1 | 60 | 11.1 | 17 | 120 | | |
| D | MHS017 | 0.012 | 0.31 | 14.2 | 11 | 0.07 | 0.0047 | 0.03 | 0.49 | 11.3 | 2.1 | 0.01 | 7.7 | 19.9 | -0.002 | 0.03 | 0.83 | -1 | -999 | 10.4 | 0.7 | -0.05 | 4.4 | 0.372 | 1.6 | 22 | 6.2 | 7 | 102 | | |
| D | MHS018 | 0.009 | 0.27 | 11.7 | 9.7 | 0.06 | 0.0053 | 0.03 | 0.49 | 11.6 | 3.4 | 0.009 | 6.6 | 15.5 | -0.002 | 0.02 | 0.75 | -1 | -999 | 10.3 | 0.82 | -0.05 | 4 | 0.393 | 1.6 | 18 | 6.3 | 7 | 112.5 | | |
| D | MHS019 | 0.006 | 0.06 | 3.9 | 4.7 | 0.05 | 0.0036 | 0.03 | 0.27 | 6.6 | 1.1 | 0.016 | 6.9 | 2.5 | -0.002 | 0.06 | 0.47 | -1 | -999 | 14.5 | 0.37 | -0.05 | 1.6 | 0.213 | 0.8 | 5 | 3 | 8 | 61.5 | | |
| D | MHS020 | 0.007 | 0.07 | 2.7 | 2.2 | 0.13 | 0.0035 | 0.03 | 0.33 | 3.2 | 1.1 | 0.022 | 12.6 | 2 | -0.002 | 0.11 | 0.33 | -1 | -999 | 10.7 | 0.16 | -0.05 | 0.9 | 0.109 | 0.4 | 3 | 1.8 | 16 | 28.1 | | |
| D | MHS021 | -0.005 | 0.04 | 6 | 4.7 | 0.03 | 0.0135 | 0.01 | 0.47 | 5.5 | 3.8 | 0.007 | 3.7 | 1.9 | 0.002 | 0.02 | 0.47 | -1 | -999 | 6.1 | 0.35 | -0.05 | 2.1 | 0.19 | 0.8 | 6 | 3.2 | 6 | 60.6 | | |
| D | MHS026 | 0.039 | 0.74 | 36.2 | 21.4 | 0.32 | 0.0217 | 0.14 | 0.59 | 12.3 | 23.1 | 0.036 | 32.9 | 62.6 | -0.002 | 0.05 | 1.06 | 1 | -999 | 29.7 | 0.93 | -0.05 | 11.2 | 0.38 | 2.3 | 47 | 18.3 | 84 | 133 | | |
| D | MHS027 | 0.047 | 0.96 | 46.1 | 26 | 0.21 | 0.0027 | 0.02 | 0.55 | 10.2 | 6.5 | 0.023 | 37.3 | 93.8 | -0.002 | 0.02 | 1.34 | 2 | -999 | 23.2 | 0.83 | -0.05 | 23 | 0.297 | 3.4 | 54 | 20.4 | 17 | 176.5 | | |
| D | MHS028 | 0.011 | 0.38 | 44.2 | 12.8 | 0.09 | 0.0043 | 0.02 | 0.31 | 12.3 | 2.1 | 0.02 | 15.5 | 42.6 | -0.002 | 0.03 | 0.66 | 1 | -999 | 12.5 | 0.99 | -0.05 | 10.8 | 0.331 | 2.7 | 17 | 9.5 | 7 | 163 | | |
| D | MHS029 | 0.008 | 0.23 | 38 | 14.3 | 0.06 | 0.0018 | 0.01 | 0.21 | 10.2 | 1.3 | 0.014 | 8.3 | 19.5 | 0.002 | 0.02 | 0.48 | -1 | -999 | 10.9 | 0.79 | -0.05 | 11 | 0.304 | 2.7 | 12 | 9.1 | 6 | 182.5 | | |
| D | MHS030 | 0.026 | 0.67 | 39.6 | 11.1 | 0.16 | 0.0047 | 0.02 | 0.41 | 9.8 | 4.4 | 0.033 | 12.4 | 69.4 | 0.002 | 0.03 | 0.55 | 1 | -999 | 19.5 | 0.81 | -0.05 | 13 | 0.276 | 2.7 | 35 | 11.8 | 13 | 168 | | |
| D | MHS031 | 0.01 | 0.24 | 31.7 | 8.1 | 0.07 | 0.0047 | 0.01 | 0.34 | 9.5 | 2.4 | 0.018 | 8.6 | 26.2 | 0.002 | 0.03 | 0.46 | 1 | -999 | 13.1 | 0.72 | -0.05 | 9.7 | 0.247 | 2.4 | 13 | 9 | 7 | 157.5 | | |
| D | MHS032 | 0.018 | 0.26 | 31.6 | 9.3 | 0.11 | 0.003 | 0.02 | 0.42 | 9.1 | 3 | 0.023 | 9.4 | 30.6 | 0.002 | 0.04 | 0.42 | 1 | -999 | 14 | 0.83 | -0.05 | 10.6 | 0.241 | 2.5 | 26 | 10.7 | 9 | 149.5 | | |
| D | MHS033 | 0.011 | 0.17 | 27.9 | 8.2 | 0.06 | 0.0042 | 0.02 | 0.24 | 8.2 | 1.9 | 0.019 | 11.9 | 18 | -0.002 | 0.04 | 0.47 | -1 | -999 | 24 | 0.61 | -0.05 | 8.1 | 0.234 | 2.2 | 9 | 8.3 | 12 | 156.5 | | |
| D | MHS034 | 0.023 | 0.64 | 41.1 | 7.1 | 0.17 | 0.0048 | 0.04 | 0.4 | 15.3 | 4.5 | 0.027 | 10.8 | 62.5 | 0.002 | 0.05 | 0.54 | 1 | -999 | 23.7 | 1.2 | -0.05 | 9.9 | 0.463 | 2.2 | 44 | 8.4 | 16 | 128 | | |
| D | MHS035 | 0.016 | 0.34 | 34.8 | 6.2 | 0.1 | 0.0059 | 0.03 | 0.38 | 13.5 | 3.7 | 0.017 | 9.1 | 28.6 | -0.002 | 0.02 | 0.53 | 1 | -999 | 16.1 | 0.97 | -0.05 | 8.2 | 0.448 | 1.9 | 28 | 7.6 | 10 | 122 | | |
| D | MHS036 | 0.008 | 0.17 | 27.1 | 5.8 | 0.05 | 0.0049 | 0.02 | 0.3 | 10.3 | 2.1 | 0.013 | 7.5 | 11.1 | -0.002 | 0.02 | 0.51 | -1 | -999 | 12.8 | 0.73 | -0.05 | 6.6 | 0.349 | 1.7 | 13 | 7 | 11 | 114 | | |
| D | MHS037 | 0.025 | 0.63 | 48 | 7.9 | 0.16 | 0.0037 | 0.03 | 0.39 | 16.9 | 4 | 0.016 | 10.6 | 67.1 | -0.002 | 0.02 | 0.58 | 1 | -999 | 25.3 | 1.3 | -0.05 | 11 | 0.446 | 2.4 | 38 | 9.7 | 9 | 134 | | |
| D | MHS038 | 0.016 | 0.48 | 38.4 | 7.1 | 0.11 | 0.0036 | 0.03 | 0.32 | 14.1 | 3.2 | 0.014 | 9.8 | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|--------|------|------|------|------|--------|------|------|------|------|-------|------|------|--------|------|-------|-----|------|------|-------|-------|------|-------|-----|-----|------|-----|-------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | MHS058 | 0.011 | 0.15 | 23 | 5.5 | 0.06 | 0.0042 | 0.02 | 0.18 | 6.5 | 3.8 | 0.019 | 17.4 | 10.9 | -0.002 | 0.04 | 0.5 | -1 | -999 | 14.7 | 0.44 | -0.05 | 5.4 | 0.179 | 1.1 | 10 | 6 | 10 | 52 | |
| D | MHS059 | 0.016 | 0.21 | 30.7 | 11 | 0.08 | 0.0037 | 0.02 | 0.29 | 6.9 | 3.4 | 0.023 | 20.3 | 21.1 | 0.002 | 0.04 | 0.61 | 1 | -999 | 30.7 | 0.5 | -0.05 | 9 | 0.187 | 2 | 16 | 7.5 | 15 | 98.3 | |
| D | MHS060 | 0.006 | 0.16 | 28.3 | 4.6 | 0.06 | 0.0022 | 0.02 | 0.25 | 8.2 | 1.7 | 0.014 | 9.9 | 11.7 | -0.002 | 0.02 | 0.47 | -1 | -999 | 19.4 | 0.57 | -0.05 | 8.9 | 0.253 | 2.2 | 11 | 7.2 | 6 | 140.5 | |
| D | MHS061 | 0.013 | 0.18 | 16.5 | 2.6 | 0.13 | 0.004 | 0.02 | 0.2 | 3.8 | 2.8 | 0.037 | 22.1 | 10.9 | -0.002 | 0.12 | 0.43 | -1 | -999 | 78.1 | 0.21 | -0.05 | 5.4 | 0.121 | 1.2 | 7 | 4.7 | 27 | 51.1 | |
| D | MHS062 | 0.027 | 0.49 | 38.4 | 12.2 | 0.14 | 0.0054 | 0.02 | 0.55 | 9.3 | 7.1 | 0.022 | 15.5 | 46.9 | -0.002 | 0.03 | 0.6 | 1 | -999 | 20.1 | 0.78 | -0.05 | 13 | 0.284 | 2.3 | 39 | 11.4 | 12 | 146 | |
| D | MHS063 | 0.032 | 0.76 | 42.7 | 9.4 | 0.19 | 0.0083 | 0.02 | 0.56 | 10 | 6.3 | 0.026 | 13.6 | 73.3 | -0.002 | 0.03 | 0.72 | 1 | -999 | 27.9 | 0.86 | -0.05 | 13.6 | 0.245 | 2.5 | 36 | 11.7 | 11 | 136.5 | |
| D | MHS064 | 0.023 | 0.42 | 45.4 | 10 | 0.11 | 0.0045 | 0.02 | 0.47 | 11.7 | 4.2 | 0.015 | 11.4 | 61.6 | 0.002 | 0.02 | 0.54 | 1 | -999 | 16.7 | 0.95 | -0.05 | 13 | 0.256 | 2.6 | 26 | 11.7 | 7 | 160 | |
| D | MHS065 | 0.011 | 0.26 | 37.3 | 8.6 | 0.07 | 0.0022 | 0.01 | 0.21 | 9.5 | 2 | 0.016 | 8.6 | 22.5 | -0.002 | 0.02 | 0.45 | -1 | -999 | 11.9 | 0.71 | -0.05 | 10.4 | 0.274 | 2.4 | 14 | 9.3 | 8 | 172.5 | |
| D | MHS066 | 0.015 | 0.42 | 37.8 | 6.8 | 0.11 | 0.0023 | 0.02 | 0.23 | 9.6 | 2.3 | 0.018 | 9.8 | 40.3 | -0.002 | 0.02 | 0.46 | -1 | -999 | 14.8 | 0.8 | -0.05 | 11 | 0.265 | 2.4 | 20 | 10 | 8 | 164 | |
| D | MHS067 | 0.006 | 0.21 | 30.9 | 6.3 | 0.06 | 0.0027 | 0.01 | 0.18 | 8.5 | 1.4 | 0.014 | 6.5 | 15.2 | -0.002 | 0.02 | 0.41 | -1 | -999 | 10.9 | 0.62 | -0.05 | 9.4 | 0.268 | 2.4 | 11 | 8.9 | 7 | 183 | |
| D | MHS068 | 0.005 | 0.07 | 12.4 | 5.5 | 0.04 | 0.0023 | 0.02 | 0.17 | 5.6 | 0.9 | 0.012 | 3.7 | 3.9 | -0.002 | 0.04 | 0.36 | -1 | -999 | 16.8 | 0.32 | -0.05 | 4.5 | 0.202 | 1.7 | 4 | 5.6 | 15 | 117 | |
| D | MHS069 | 0.006 | 0.13 | 20.9 | 7.6 | 0.04 | 0.0031 | 0.01 | 0.22 | 8.5 | 1.4 | 0.015 | 7.6 | 8.7 | 0.002 | 0.03 | 0.47 | -1 | -999 | 13.2 | 0.6 | -0.05 | 6.7 | 0.247 | 2.1 | 7 | 6.8 | 9 | 158 | |
| D | MHS070 | 0.017 | 0.35 | 31.6 | 8.1 | 0.13 | 0.0061 | 0.03 | 0.37 | 11.1 | 7.6 | 0.018 | 12.1 | 38.2 | -0.002 | 0.02 | 0.6 | 1 | -999 | 13.7 | 0.82 | -0.05 | 8.9 | 0.343 | 2 | 27 | 8.4 | 18 | 112.5 | |
| D | MHS071 | 0.027 | 0.48 | 30.5 | 9.4 | 0.18 | 0.0058 | 0.03 | 0.53 | 11.5 | 7.7 | 0.027 | 15.2 | 56 | -0.002 | 0.06 | 0.55 | 1 | -999 | 16.9 | 0.85 | -0.05 | 8.6 | 0.343 | 1.8 | 46 | 7.7 | 14 | 92.8 | |
| D | MHS076 | 0.017 | 0.45 | 30.7 | 9 | 0.12 | 0.0081 | 0.02 | 0.56 | 15.1 | 3.6 | 0.012 | 10 | 47.6 | -0.002 | 0.01 | 0.82 | 1 | -999 | 13.8 | 1.12 | -0.05 | 8.6 | 0.478 | 2.2 | 36 | 9.5 | 8 | 124 | |
| D | MHS077 | 0.016 | 0.28 | 20 | 6.3 | 0.1 | 0.0057 | 0.04 | 0.47 | 11.8 | 3.1 | 0.021 | 9.6 | 22.2 | -0.002 | 0.05 | 0.73 | -1 | -999 | 18.9 | 0.87 | -0.05 | 5.4 | 0.394 | 1.7 | 27 | 7.4 | 14 | 104.5 | |
| D | MHS078 | 0.009 | 0.16 | 17.5 | 6.8 | 0.05 | 0.0046 | 0.02 | 0.41 | 10.5 | 2.2 | 0.012 | 6.6 | 11.1 | -0.002 | 0.02 | 0.7 | -1 | -999 | 8.4 | 0.7 | -0.05 | 5.1 | 0.366 | 1.5 | 18 | 6.5 | 8 | 103 | |
| D | MHS079 | 0.008 | 0.12 | 18.3 | 6.9 | 0.04 | 0.0105 | 0.02 | 0.52 | 11.6 | 3.6 | 0.009 | 5.8 | 8.7 | -0.002 | 0.01 | 0.75 | -1 | -999 | 7.8 | 0.72 | -0.05 | 5.1 | 0.42 | 1.6 | 17 | 7.2 | 7 | 113.5 | |
| D | MHS080 | 0.01 | 0.16 | 24.2 | 6.2 | 0.04 | 0.0096 | 0.02 | 0.68 | 12.6 | 11.2 | 0.009 | 8.5 | 10.7 | -0.002 | 0.02 | 0.88 | 1 | -999 | 8 | 0.86 | -0.05 | 6 | 0.492 | 1.6 | 21 | 7.9 | 10 | 104 | |
| D | MHS081 | 0.005 | 0.04 | 12.3 | 4.9 | 0.02 | 0.0063 | 0.01 | 0.41 | 8.8 | 2.5 | 0.008 | 4.2 | 2.3 | -0.002 | 0.03 | 0.6 | -1 | -999 | 7.6 | 0.64 | -0.05 | 3.6 | 0.32 | 1.2 | 9 | 5 | 8 | 87.4 | |
| D | MHS082 | 0.01 | 0.12 | 17.5 | 5.3 | 0.05 | 0.0127 | 0.02 | 0.58 | 9.9 | 4.3 | 0.023 | 10.8 | 8.3 | -0.002 | 0.07 | 0.71 | 1 | -999 | 11.9 | 0.7 | -0.05 | 4.6 | 0.339 | 1.3 | 14 | 5.9 | 14 | 86.6 | |
| D | MHS083 | 0.014 | 0.13 | 23.9 | 9.4 | 0.07 | 0.0096 | 0.02 | 0.64 | 13.2 | 3.5 | 0.012 | 9.5 | 12.2 | -0.002 | 0.03 | 0.85 | 1 | -999 | 15.5 | 0.91 | -0.05 | 6.6 | 0.448 | 1.9 | 26 | 8 | 8 | 107 | |
| D | MHS084 | 0.008 | 0.11 | 55.7 | 4.3 | 0.05 | 0.0035 | 0.02 | 0.27 | 15.8 | 4.2 | 0.012 | 7 | 6.8 | -0.002 | 0.05 | 0.34 | 1 | -999 | 6.2 | 1.18 | -0.05 | 14.6 | 0.291 | 3.5 | 7 | 17.4 | 4 | 98.3 | |
| D | MHS085 | 0.012 | 0.2 | 19.9 | 11.6 | 0.08 | 0.0039 | 0.03 | 0.53 | 19.3 | 4.4 | 0.007 | 8.9 | 16.2 | -0.002 | 0.02 | 0.79 | 1 | -999 | 7.2 | 1.26 | -0.05 | 7.1 | 0.814 | 2.7 | 27 | 9.1 | 10 | 101.5 | |
| D | MHS086 | 0.013 | 0.21 | 23.4 | 7.4 | 0.07 | 0.004 | 0.02 | 0.59 | 18.9 | 4.6 | 0.008 | 10 | 14.5 | -0.002 | 0.03 | 0.81 | 1 | -999 | 9 | 1.2 | -0.05 | 7.8 | 0.829 | 2.7 | 30 | 9.7 | 8 | 120 | |
| D | MHS087 | 0.013 | 0.2 | 21.1 | 5.4 | 0.05 | 0.0084 | 0.01 | 0.46 | 11.7 | 5.4 | 0.007 | 9.4 | 14.3 | -0.002 | 0.02 | 0.97 | -1 | -999 | 6.6 | 0.8 | -0.05 | 5.9 | 0.434 | 1.7 | 20 | 7.9 | 8 | 107.5 | |
| D | MHS088 | 0.015 | 0.32 | 17.7 | 5.6 | 0.1 | 0.008 | 0.02 | 0.34 | 7.4 | 11.4 | 0.008 | 9.7 | 22.3 | -0.002 | 0.01 | 0.81 | 1 | -999 | 7 | 0.54 | -0.05 | 5.6 | 0.26 | 1.4 | 26 | 6.4 | 19 | 88.2 | |
| D | MHS089 | 0.019 | 0.36 | 16.5 | 5.5 | 0.1 | 0.0069 | 0.02 | 0.4 | 8.3 | 24.3 | 0.017 | 13.7 | 28.9 | -0.002 | 0.05 | 1.05 | 1 | -999 | 10.7 | 0.62 | -0.05 | 5.1 | 0.28 | 1.4 | 28 | 6 | 12 | 78.6 | |
| D | MHS090 | 0.012 | 0.17 | 12.5 | 3.8 | 0.08 | 0.0072 | 0.03 | 0.28 | 6.3 | 11.8 | 0.017 | 12.9 | 13 | -0.002 | 0.06 | 0.68 | -1 | -999 | 22.7 | 0.42 | -0.05 | 3.9 | 0.231 | 1.1 | 15 | 4.8 | 13 | 67.4 | |
| D | MHS091 | 0.018 | 0.32 | 19.9 | 4.5 | 0.11 | 0.0069 | 0.03 | 0.3 | 8.8 | 9.7 | 0.025 | 22.3 | 23.5 | -0.002 | 0.08 | 0.82 | 1 | -999 | 20.3 | 0.66 | -0.05 | 5.5 | 0.302 | 1.4 | 23 | 6.1 | 19 | 83.3 | |
| D | MHS092 | 0.027 | 0.52 | 34.1 | 7.7 | 0.13 | 0.0057 | 0.03 | 0.39 | 15.1 | 12.8 | 0.013 | 26.3 | 47.7 | -0.002 | 0.02 | 1.04 | 1 | -999 | 12.3 | 1.16 | -0.05 | 9.2 | 0.506 | 2.3 | 51 | 10.1 | 15 | 132.5 | |
| D | MHS093 | 0.04 | 0.58 | 26.8 | 9.6 | 0.18 | 0.0049 | 0.03 | 0.56 | 14.7 | 13.7 | 0.016 | 23.1 | 52.3 | -0.002 | 0.03 | 0.84 | 1 | -999 | 13.3 | 1.09 | -0.05 | 8 | 0.593 | 2.5 | 86 | 12.3 | 12 | 121 | |
| D | MHS094 | 0.03 | 0.55 | 25.6 | 9 | 0.2 | 0.005 | 0.02 | 0.79 | 13.3 | 15.4 | 0.009 | 20.9 | 48.7 | -0.002 | 0.01 | 0.84 | 1 | -999 | 9.5 | 1.02 | -0.05 | 8.6 | 0.476 | 2.4 | 77 | 12 | 12 | 122 | |
| D | MHS095 | 0.014 | 0.13 | 10.8 | 4.1 | 0.07 | 0.0079 | 0.02 | 0.43 | 7 | 16.1 | 0.011 | 9.9 | 9.4 | -0.002 | 0.05 | 0.89 | 1 | -999 | 11.9 | 0.44 | -0.05 | 3.9 | 0.267 | 1.1 | 26 | 5 | 11 | 62 | |
| D | MHS100 | -0.005 | 0.05 | 2.7 | 3 | 0.08 | 0.0085 | 0.03 | 0.34 | 4 | 5.4 | 0.014 | 3.7 | 2 | -0.002 | 0.07 | 0.31 | -1 | -999 | 35 | 0.24 | -0.05 | 1.3 | 0.134 | 0.5 | 4 | 2.1 | 8 | 27.4 | |
| D | MHS101 | 0.019 | 0.35 | 30 | 7.7 | 0.18 | 0.0065 | 0.05 | 0.79 | 16 | 23.8 | 0.011 | 11.3 | 25.7 | -0.002 | 0.03 | 0.9 | 1 | -999 | 10.8 | 1.02 | -0.05 | 9.1 | 0.652 | 2.6 | 36 | 11.7 | 12 | 121 | |
| D | MHS102 | 0.008 | 0.07 | 10.5 | 4.7 | 0.03 | 0.0064 | 0.01 | 0.42 | 6.9 | 6.2 | 0.004 | 3.3 | 5.3 | -0.002 | 0.01 | 0.67 | -1 | -999 | 5.4 | 0.38 | -0.05 | 4 | 0.262 | 1 | 17 | 4.5 | 6 | 64.5 | |
| D | MHS103 | 0.054 | 0.65 | 29.7 | 9.3 | 0.15 | 0.0069 | 0.03 | 0.66 | 13.6 | 33.9 | 0.012 | 20.6 | 49.2 | -0.002 | 0.02 | 1.45 | 2 | -999 | 11.3 | 1.04 | -0.05 | 13.2 | 0.487 | 2.5 | 77 | 10.1 | 24 | 133 | |
| D | MHS104 | 0.034 | 0.51 | 22.6 | 6.6 | 0.11 | 0.006 | 0.02 | 0.43 | 12 | 15.6 | 0.015 | 23.8 | 44.2 | -0.002 | 0.04 | 1.28 | 1 | -999 | 9.5 | 0.89 | -0.05 | 8.7 | 0.428 | 2.2 | 49 | 8.7 | 15 | 106.5 | |
| D | MHS105 | 0.005 | 0.08 | 8.3 | 5.3 | 0.02 | 0.0043 | 0.01 | 0.4 | 5.9 | 3.4 | 0.007 | 5.1 | 4.6 | -0.002 | 0.02 | 0.53 | -1 | -999 | 4.9 | 0.33 | -0.05 | 2.7 | 0.212 | 0.8 | 9 | 3.8 | 7 | 66.4 | |
| D | MHS106 | 0.026 | 0.38 | 19 | 15.2 | 0.26 | 0.0354 | 0.08 | 0.48 | 9.6 | 93.3 | 0.008 | 15.7 | 32.3 | 0.002 | 0.03 | 0.58 | 3 | -999 | 13.7 | 0.65 | -0.05 | 6.4 | 0.327 | 1.8 | 53 | 8.8 | 80 | 95.4 | |
| D | MHS107 | 0.005 | 0.04 | 1.9 | 1.2 | 8.23 | 0.24 | 0.02 | 0.34 | 0.8 | 3920 | 0.007 | 1.4 | 2.2 | 0.002 | 0.04 | -0.05 | 3 | -999 | 9.5 | -0.05 | 0.19 | 0.5 | 0.025 | 0.2 | 23 | 1.1 | 142 | 6.4 | |
| D | MHS108 | 0.008 | 0.05 | 1.9 | 1.5 | 6.78 | 0.72 | 0.02 | 0.42 | 1.1 | 3410 | 0.008 | 3.9 | 2.7 | -0.002 | 0.04 | 0.06 | 8 | -999 | 8.9 | 0.06 | 0.21 | 0.7 | 0.035 | 0.2 | 79 | 1.2 | 260 | 9 | |
| D | MHS109 | 0.01 | 0.06 | 2.7 | 1.4 | 8.27 | 0.361 | 0.03 | 0.59 | 1.6 | 2100 | 0.006 | 14.8 | 2.8 | -0.002 | 0.03 | 0.19 | 6 | -999 | 29.6 | 0.1 | 0.27 | 0.8 | 0.054 | 0.2 | 110 | 1.2 | 260 | 12.5 | |
| D | MHS110 | 0.012 | 0.08 | 3.5 | 1.5 | 8.85 | 0.404 | 0.04 | 0.63 | 1.9 | 2430 | 0.007 | 14.8 | 3.7 | -0.002 | 0.03 | 0.2 | 6 | -999 | 15.2 | 0.12 | 0.24 | 1.1 | 0.069 | 0.3 | 158 | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|--------|------|------|------|------|--------|------|------|------|-------|-------|------|-------|--------|------|------|-----|------|------|------|-------|------|-------|-----|-----|------|-----|-------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | MHS130 | 0.017 | 0.6 | 22.6 | 17.4 | 0.27 | 0.0161 | 0.1 | 0.58 | 14 | 18.6 | 0.007 | 12.5 | 37.6 | 0.002 | 0.03 | 0.93 | 3 | -999 | 12.9 | 0.85 | -0.05 | 7.5 | 0.579 | 2.2 | 49 | 10.6 | 54 | 116 | |
| D | MHS131 | 0.008 | 0.23 | 12.5 | 12.1 | 0.36 | 0.0167 | 0.05 | 0.29 | 8.2 | 26.3 | 0.005 | 6.7 | 16.8 | 0.002 | 0.01 | 0.4 | 4 | -999 | 7.2 | 0.55 | -0.05 | 5.2 | 0.34 | 1.2 | 46 | 5.2 | 90 | 70.3 | |
| D | MHS132 | 0.012 | 0.39 | 12.3 | 12.6 | 0.38 | 0.0191 | 0.09 | 0.61 | 9 | 108.5 | 0.018 | 9.6 | 28.5 | 0.002 | 0.03 | 0.44 | 4 | -999 | 12.6 | 0.52 | -0.05 | 4.7 | 0.37 | 1.4 | 63 | 5.2 | 96 | 74.3 | |
| D | MHS133 | 0.012 | 0.23 | 11 | 10.1 | 0.22 | 0.0122 | 0.06 | 0.34 | 6.2 | 92.7 | 0.009 | 9.9 | 15.2 | 0.002 | 0.02 | 0.47 | 3 | -999 | 8.3 | 0.4 | -0.05 | 3.4 | 0.239 | 1.1 | 35 | 5.1 | 58 | 66.5 | |
| D | MHS134 | 0.005 | 0.14 | 4.6 | 7.5 | 0.22 | 0.0128 | 0.02 | 0.26 | 2.8 | 33.1 | 0.011 | 5.2 | 12.5 | 0.002 | 0.05 | 0.24 | 3 | -999 | 8.6 | 0.2 | -0.05 | 1.7 | 0.099 | 0.5 | 27 | 1.9 | 55 | 32.3 | |
| D | MHS135 | -0.005 | 0.03 | 4.1 | 6.5 | 0.03 | 0.004 | 0.02 | 0.22 | 3.2 | 2 | 0.005 | 2.2 | 1.4 | -0.002 | 0.03 | 0.22 | 2 | -999 | 5 | 0.2 | -0.05 | 1 | 0.115 | 0.5 | 4 | 1.5 | 6 | 42.5 | |
| D | MHS136 | 0.006 | 0.03 | 3.1 | 4.6 | 0.1 | 0.0046 | 0.04 | 0.21 | 2.2 | 2.3 | 0.008 | 10.4 | 0.9 | 0.002 | 0.07 | 0.22 | 2 | -999 | 25 | 0.1 | -0.05 | 0.7 | 0.083 | 0.3 | 2 | 1 | 9 | 17.3 | |
| D | MHS137 | -0.005 | 0.02 | 3.7 | 5.8 | 0.05 | 0.0065 | 0.02 | 0.25 | 3 | 2.2 | 0.005 | 1.4 | 0.6 | -0.002 | 0.03 | 0.17 | 1 | -999 | 11.4 | 0.14 | -0.05 | 0.7 | 0.109 | 0.4 | 3 | 1 | 7 | 22.6 | |
| D | MHS138 | -0.005 | 0.01 | 2.5 | 5.7 | 0.04 | 0.0047 | 0.02 | 0.2 | 2.8 | 4 | 0.004 | 1.2 | 0.4 | 0.002 | 0.02 | 0.18 | 1 | -999 | 5.6 | 0.14 | -0.05 | 0.6 | 0.108 | 0.3 | 3 | 1.1 | 5 | 21.7 | |
| D | MHS139 | -0.005 | 0.02 | 2.7 | 4.5 | 0.03 | 0.0097 | 0.01 | 0.27 | 2.4 | 2.8 | 0.003 | 1.9 | 0.7 | -0.002 | 0.04 | 0.26 | 1 | -999 | 4.4 | 0.13 | -0.05 | 0.9 | 0.086 | 0.4 | 3 | 1.4 | 8 | 27.5 | |
| D | MHS140 | 0.074 | 2.3 | 47.8 | 33.4 | 0.51 | 0.0043 | 0.05 | 0.37 | 17.4 | 17.1 | 0.023 | 21.5 | 188 | 0.002 | 0.02 | 0.85 | 1 | -999 | 41.4 | 1.37 | -0.05 | 22.8 | 0.409 | 3.2 | 87 | 11.1 | 30 | 123 | |
| D | MHS141 | 0.022 | 0.84 | 44.5 | 11.1 | 0.17 | 0.0049 | 0.04 | 0.43 | 17.3 | 5 | 0.017 | 7.9 | 87 | -0.002 | 0.02 | 0.54 | 1 | -999 | 27.7 | 1.33 | -0.05 | 11.6 | 0.443 | 2.9 | 37 | 9.7 | 9 | 170 | |
| D | MHS142 | 0.016 | 0.43 | 41.3 | 9 | 0.11 | 0.0036 | 0.05 | 0.57 | 15.9 | 5.9 | 0.011 | 7.8 | 52.8 | -0.002 | 0.02 | 0.44 | 1 | -999 | 25.7 | 1.11 | -0.05 | 10.3 | 0.417 | 2.4 | 29 | 8.6 | 6 | 124 | |
| D | MHS143 | 0.023 | 0.69 | 43.6 | 12.5 | 0.17 | 0.004 | 0.08 | 0.41 | 16.9 | 5.4 | 0.012 | 9.9 | 83.6 | -0.002 | 0.02 | 0.52 | 1 | -999 | 27.8 | 1.27 | -0.05 | 11.1 | 0.442 | 2.5 | 42 | 9 | 12 | 141.5 | |
| D | MHS144 | 0.015 | 0.54 | 32.7 | 11.8 | 0.12 | 0.0026 | 0.03 | 0.22 | 12.3 | 4.9 | 0.012 | 10.6 | 48.8 | -0.002 | 0.03 | 0.42 | -1 | -999 | 20.9 | 0.82 | -0.05 | 8.6 | 0.329 | 2.1 | 25 | 6.9 | 6 | 114 | |
| D | MHS145 | 0.012 | 0.34 | 37.7 | 13.8 | 0.09 | 0.0032 | 0.01 | 0.33 | 14.7 | 3.4 | 0.01 | 6.4 | 40.9 | -0.002 | 0.03 | 0.42 | -1 | -999 | 22.6 | 0.88 | -0.05 | 9.3 | 0.403 | 2.2 | 20 | 7.8 | 4 | 124 | |
| D | MHS150 | 0.01 | 0.31 | 30.6 | 9.6 | 0.09 | 0.0042 | 0.01 | 0.31 | 12.2 | 3 | 0.009 | 7.8 | 33.7 | 0.002 | 0.02 | 0.55 | -1 | -999 | 18.1 | 0.76 | -0.05 | 7.8 | 0.333 | 2 | 15 | 7 | 5 | 132.5 | |
| D | MHS151 | 0.041 | 1.05 | 35.9 | 17.1 | 0.23 | 0.0032 | 0.02 | 0.33 | 13.6 | 7.5 | 0.011 | 10.4 | 93.8 | -0.002 | 0.02 | 0.97 | 1 | -999 | 25.2 | 1.04 | -0.05 | 11.9 | 0.339 | 2.4 | 40 | 8.8 | 20 | 126 | |
| D | MHS152 | 0.017 | 0.55 | 28.9 | 11 | 0.11 | 0.0051 | 0.01 | 0.33 | 9.2 | 4.6 | 0.012 | 10.9 | 55 | -0.002 | 0.04 | 0.52 | -1 | -999 | 18 | 0.67 | -0.05 | 8.6 | 0.244 | 2.3 | 22 | 9.8 | 10 | 114.5 | |
| D | MHS153 | 0.005 | 0.13 | 23.9 | 9 | 0.04 | 0.0028 | 0.01 | 0.18 | 7.7 | 1.5 | 0.007 | 5.3 | 13.3 | -0.002 | 0.02 | 0.41 | -1 | -999 | 8.9 | 0.49 | -0.05 | 8 | 0.217 | 2.2 | 8 | 7.8 | 3 | 186.5 | |
| D | MHS154 | 0.01 | 0.3 | 24.7 | 9.6 | 0.07 | 0.0056 | 0.01 | 0.26 | 8.7 | 3.2 | 0.008 | 7.2 | 33 | -0.002 | 0.03 | 0.41 | -1 | -999 | 14.3 | 0.52 | -0.05 | 7.1 | 0.238 | 1.8 | 14 | 8.2 | 4 | 123 | |
| D | MHS155 | 0.01 | 0.32 | 24.7 | 9.2 | 0.07 | 0.0029 | 0.01 | 0.2 | 8.4 | 2.8 | 0.008 | 8.4 | 31.4 | -0.002 | 0.02 | 0.47 | -1 | -999 | 12.8 | 0.58 | -0.05 | 7.6 | 0.211 | 2 | 13 | 7.2 | 4 | 142.5 | |
| D | MHS156 | 0.005 | 0.08 | 21.7 | 7.8 | 0.03 | 0.0055 | 0.01 | 0.25 | 9.8 | 1.9 | 0.007 | 4.2 | 9.1 | -0.002 | 0.02 | 0.45 | -1 | -999 | 11.4 | 0.66 | -0.05 | 5.7 | 0.272 | 1.7 | 8 | 7.2 | 3 | 128.5 | |
| D | MHS157 | 0.005 | 0.02 | 14.5 | 9.3 | 0.05 | 0.0098 | 0.03 | 0.36 | 9.4 | 3.9 | 0.01 | 7.1 | 3.1 | -0.002 | 0.04 | 0.63 | -1 | -999 | 29.3 | 0.61 | -0.05 | 5.7 | 0.269 | 1.8 | 4 | 7.1 | 7 | 101.5 | |
| D | MHS158 | 0.007 | 0.13 | 24.2 | 6.8 | 0.05 | 0.0032 | 0.01 | 0.18 | 10.3 | 2.9 | 0.007 | 4.1 | 10.7 | -0.002 | 0.01 | 0.42 | -1 | -999 | 13.2 | 0.62 | -0.05 | 7.8 | 0.282 | 2.3 | 8 | 7.6 | 4 | 155 | |
| D | MHS159 | 0.007 | 0.21 | 22 | 9.9 | 0.07 | 0.0033 | 0.02 | 0.25 | 9.9 | 2.5 | 0.008 | 4.8 | 16.6 | -0.002 | 0.02 | 0.49 | -1 | -999 | 9.6 | 0.66 | -0.05 | 7.5 | 0.266 | 2.2 | 9 | 7.8 | 4 | 138 | |
| D | MHS160 | 0.006 | 0.08 | 19.5 | 6.6 | 0.06 | 0.0024 | 0.02 | 0.25 | 7.1 | 2.2 | 0.009 | 7.2 | 7.3 | -0.002 | 0.05 | 0.37 | -1 | -999 | 11.5 | 0.46 | -0.05 | 6.1 | 0.199 | 1.6 | 6 | 6.1 | 5 | 102 | |
| D | MHS161 | 0.006 | 0.15 | 22.7 | 9.3 | 0.08 | 0.0079 | 0.02 | 0.39 | 8.5 | 3.7 | 0.009 | 4.5 | 12 | -0.002 | 0.04 | 0.42 | -1 | -999 | 10.8 | 0.61 | -0.05 | 7.1 | 0.236 | 1.9 | 8 | 7.7 | 4 | 117 | |
| D | MHS162 | 0.012 | 0.46 | 28.1 | 20.2 | 0.11 | 0.0068 | 0.02 | 0.3 | 13.2 | 3.6 | 0.011 | 11.1 | 35.9 | -0.002 | 0.02 | 0.75 | -1 | -999 | 31.1 | 0.91 | -0.05 | 8.2 | 0.343 | 1.8 | 16 | 7.9 | 10 | 80.5 | |
| D | MHS163 | 0.009 | 0.32 | 29.7 | 12.3 | 0.08 | 0.003 | 0.01 | 0.33 | 12.7 | 2.2 | 0.012 | 10.3 | 31.5 | -0.002 | 0.02 | 0.68 | -1 | -999 | 27.1 | 0.8 | -0.05 | 7.7 | 0.344 | 1.9 | 17 | 7.5 | 5 | 82.8 | |
| D | MHS164 | 0.008 | 0.16 | 26.1 | 10.5 | 0.06 | 0.0027 | 0.02 | 0.25 | 11.1 | 1.9 | 0.012 | 9.2 | 20.7 | -0.002 | 0.03 | 0.49 | -1 | -999 | 18.6 | 0.71 | -0.05 | 7 | 0.292 | 1.7 | 10 | 6.7 | 6 | 82.1 | |
| D | MHS165 | 0.005 | 0.04 | 16.2 | 9.3 | 0.04 | 0.0039 | 0.01 | 0.37 | 8.6 | 2.8 | 0.008 | 6.6 | 5.6 | -0.002 | 0.04 | 0.43 | -1 | -999 | 10.6 | 0.5 | -0.05 | 4.9 | 0.239 | 1.6 | 8 | 6.1 | 7 | 108 | |
| D | MHS166 | 0.006 | 0.05 | 13.4 | 5.9 | 0.08 | 0.0041 | 0.02 | 0.31 | 8 | 2 | 0.01 | 4.8 | 6.4 | -0.002 | 0.05 | 0.35 | -1 | -999 | 23.4 | 0.49 | -0.05 | 4 | 0.217 | 1.3 | 7 | 4.9 | 8 | 88.7 | |
| D | MHS167 | 0.006 | 0.12 | 21.8 | 7.4 | 0.04 | 0.0098 | 0.01 | 0.5 | 9.6 | 3.5 | 0.008 | 5.4 | 11.6 | -0.002 | 0.03 | 0.36 | -1 | -999 | 13.1 | 0.61 | -0.05 | 6 | 0.272 | 1.7 | 11 | 6.5 | 3 | 114 | |
| D | MHS168 | 0.005 | 0.12 | 16.5 | 6.9 | 0.04 | 0.0037 | 0.01 | 0.28 | 7.1 | 2.4 | 0.006 | 4.9 | 12.9 | -0.002 | 0.02 | 0.33 | -1 | -999 | 11 | 0.45 | -0.05 | 5 | 0.199 | 1.6 | 9 | 5.5 | 3 | 119.5 | |
| D | MHS169 | 0.007 | 0.13 | 16 | 6.8 | 0.04 | 0.004 | 0.01 | 0.31 | 6.7 | 2.6 | 0.006 | 4.4 | 14.4 | -0.002 | 0.03 | 0.3 | -1 | -999 | 10.5 | 0.41 | -0.05 | 4.6 | 0.176 | 1.5 | 9 | 5.1 | 3 | 111.5 | |
| D | MHS170 | 0.029 | 0.98 | 37 | 11.3 | 0.2 | 0.0028 | 0.02 | 0.34 | 13.5 | 4.5 | 0.01 | 6.2 | 95.7 | -0.002 | 0.03 | 0.53 | 1 | -999 | 23.3 | 1.07 | -0.05 | 9.8 | 0.35 | 2.2 | 49 | 8.1 | 8 | 121.5 | |
| D | MHS175 | 0.037 | 1.15 | 39.5 | 18.5 | 0.31 | 0.0068 | 0.06 | 0.38 | 13.5 | 14.8 | 0.011 | 10.8 | 102 | -0.002 | 0.02 | 0.67 | 1 | -999 | 26.6 | 1.14 | -0.05 | 13.6 | 0.367 | 2.4 | 53 | 8.1 | 17 | 121.5 | |
| D | MHS176 | 0.057 | 1.88 | 42.6 | 35.1 | 0.63 | 0.007 | 0.07 | 0.28 | 13.6 | 31.1 | 0.014 | 17.2 | 146 | -0.002 | 0.01 | 0.89 | 1 | -999 | 29.1 | 1.14 | -0.05 | 22.1 | 0.355 | 2.8 | 71 | 9.9 | 33 | 125 | |
| D | MHS177 | 0.069 | 1.99 | 43.2 | 34.7 | 0.77 | 0.008 | 0.06 | 0.35 | 14.1 | 46.1 | 0.013 | 15.9 | 157.5 | -0.002 | 0.01 | 0.96 | 1 | -999 | 32.4 | 1.16 | -0.05 | 24.4 | 0.356 | 2.9 | 76 | 10.5 | 33 | 130.5 | |
| D | MHS178 | 0.027 | 0.79 | 44.2 | 10.5 | 0.19 | 0.0047 | 0.06 | 0.35 | 16 | 6.6 | 0.012 | 11.3 | 95.4 | -0.002 | 0.02 | 0.6 | 1 | -999 | 29.2 | 1.33 | -0.05 | 12.1 | 0.428 | 2.4 | 44 | 9.3 | 10 | 127 | |
| D | MHS179 | 0.018 | 0.96 | 32.6 | 12.3 | 0.16 | 0.0056 | 0.03 | 0.3 | 12.4 | 4.9 | 0.012 | 9.8 | 77 | -0.002 | 0.02 | 0.79 | -1 | -999 | 31.4 | 1.04 | -0.05 | 10.3 | 0.346 | 2.2 | 30 | 9.6 | 6 | 115.5 | |
| D | MHS180 | 0.015 | 0.62 | 36.5 | 14.2 | 0.12 | 0.0054 | 0.02 | 0.31 | 13.5 | 4.5 | 0.009 | 5.6 | 54.1 | -0.002 | 0.01 | 0.88 | -1 | -999 | 24.2 | 1.09 | -0.05 | 10.8 | 0.37 | 2.3 | 22 | 9.7 | 4 | 141 | |
| D | MHS181 | -0.005 | 0.07 | 19.3 | 13.2 | 0.05 | 0.0127 | 0.01 | 0.53 | 8.8 | 3.7 | 0.007 | 3.1 | 4.2 | -0.002 | 0.02 | 0.49 | -1 | -999 | 12.3 | 0.56 | -0.05 | 5 | 0.27 | 1.6 | 7 | 7.5 | 4 | 128.5 | |
| D | MHS182 | 0.009 | 0.27 | 39.4 | 7.8 | 0.09 | 0.0131 | 0.02 | 0.65 | 15.1 | 4.4 | 0.009 | 4.5 | 20.9 | 0.002 | 0.01 | 0.5 | -1 | -999 | 22.6 | 0.95 | -0.05 | 8.7 | 0.451 | 2.2 | 18 | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|-------|------|------|------|------|--------|------|------|------|-------|-------|------|-------|--------|------|------|-----|------|------|------|-------|------|-------|-----|-----|------|-----|-------|-----------------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | MHS195 | 0.006 | 0.2 | 25.9 | 7.3 | 0.06 | 0.0106 | 0.02 | 0.41 | 9.3 | 2.8 | 0.01 | 6.3 | 12.2 | -0.002 | 0.02 | 0.48 | -1 | -999 | 7.8 | 0.65 | -0.05 | 7.5 | 0.281 | 2.1 | 10 | 8.7 | 3 | 180.5 | |
| D | MHS200 | 0.007 | 0.28 | 21.5 | 5 | 0.09 | 0.0104 | 0.03 | 0.42 | 9.2 | 4.2 | 0.009 | 4.8 | 15.7 | 0.002 | 0.03 | 0.42 | -1 | -999 | 7.6 | 0.58 | -0.05 | 6.8 | 0.267 | 2.2 | 10 | 8.6 | 14 | 211 | |
| D | MHS201 | 0.012 | 0.39 | 30.9 | 5.9 | 0.08 | 0.007 | 0.01 | 0.3 | 9.9 | 3.7 | 0.007 | 6.3 | 25 | -0.002 | 0.01 | 0.41 | -1 | -999 | 9.3 | 0.61 | -0.05 | 8.6 | 0.3 | 2.2 | 14 | 8.9 | 4 | 166 | |
| D | MHS202 | 0.068 | 1.67 | 46.9 | 11.7 | 0.32 | 0.0033 | 0.03 | 0.32 | 14.1 | 18.1 | 0.033 | 19.2 | 106 | 0.002 | 0.01 | 0.75 | 1 | -999 | 35.7 | 1.05 | -0.05 | 15.1 | 0.4 | 2.5 | 79 | 51.4 | 39 | 127 | |
| D | MHS203 | 0.009 | 0.09 | 20 | 7.9 | 0.04 | 0.0121 | 0.02 | 0.55 | 11.8 | 3.9 | 0.007 | 8 | 4.9 | -0.002 | 0.02 | 0.86 | -1 | -999 | 11.7 | 0.71 | -0.05 | 9.3 | 0.44 | 1.6 | 14 | 9.1 | 11 | 91.3 | |
| D | MHS204 | 0.009 | 0.24 | 29.7 | 8.6 | 0.09 | 0.0207 | 0.03 | 0.82 | 12.5 | 9.9 | 0.007 | 5.6 | 13.9 | -0.002 | 0.01 | 0.93 | 1 | -999 | 10.1 | 0.79 | -0.05 | 11.3 | 0.481 | 1.7 | 25 | 12.2 | 20 | 99.7 | |
| D | MHS205 | 0.022 | 0.52 | 29.4 | 9 | 0.14 | 0.0107 | 0.03 | 0.63 | 15.4 | 26.1 | 0.008 | 16.4 | 39.3 | 0.002 | 0.01 | 1.2 | 1 | -999 | 9.6 | 0.99 | -0.05 | 9 | 0.537 | 1.9 | 55 | 10.7 | 26 | 115 | |
| D | MHS206 | 0.07 | 1.8 | 32.8 | 16.3 | 0.34 | 0.0045 | 0.03 | 1.2 | 15.5 | 30.3 | 0.013 | 16.8 | 85.1 | -0.002 | 0.01 | 1.26 | 1 | -999 | 18.6 | 0.99 | 0.06 | 20.6 | 0.477 | 4.1 | 85 | 18.1 | 11 | 141 | |
| D | MHS207 | 0.047 | 0.93 | 29.4 | 17.2 | 0.37 | 0.011 | 0.11 | 1.61 | 15.1 | 35.1 | 0.011 | 14.4 | 52.9 | 0.002 | 0.02 | 0.77 | 1 | -999 | 10.5 | 0.97 | -0.05 | 13.2 | 0.477 | 3.4 | 65 | 16.8 | 28 | 115.5 | |
| D | MHS208 | 0.056 | 1.38 | 28 | 55 | 0.62 | 0.0128 | 0.24 | 2.25 | 18.8 | 23.5 | 0.017 | 22.1 | 90.4 | -0.002 | 0.05 | 0.87 | 2 | -999 | 20.8 | 1.2 | -0.05 | 8.6 | 0.802 | 3.5 | 133 | 21.1 | 67 | 136.5 | |
| D | MHS209 | 0.039 | 1.09 | 35.9 | 25.2 | 0.43 | 0.0135 | 0.33 | 1.5 | 17.5 | 79 | 0.022 | 23.5 | 62.1 | -0.002 | 0.03 | 0.87 | 1 | -999 | 30 | 1.09 | -0.05 | 7.5 | 0.72 | 3 | 90 | 18.8 | 64 | 111 | |
| D | MHS210 | 0.065 | 1.32 | 27.9 | 19.3 | 0.46 | 0.0097 | 0.2 | 2.49 | 14.6 | 44.9 | 0.041 | 26.3 | 77.4 | 0.002 | 0.05 | 1.41 | 2 | -999 | 27.7 | 0.96 | 0.09 | 8.3 | 0.627 | 2.9 | 128 | 16.8 | 53 | 104 | |
| D | MHS211 | 0.054 | 1.06 | 17.2 | 25.2 | 1.14 | 0.0325 | 0.2 | 1.13 | 13.7 | 492 | 0.01 | 83.7 | 57 | -0.002 | 0.01 | 1.41 | 7 | -999 | 17.9 | 0.87 | 0.08 | 7.2 | 0.549 | 3.1 | 170 | 14.3 | 246 | 102 | Cr >1% ULD MS61 |
| D | MHS212 | 0.085 | 0.38 | 6.9 | 45.4 | 0.89 | 0.0207 | 0.2 | 0.57 | 15.5 | 104.5 | 0.02 | 7.8 | 16.7 | -0.002 | 0.02 | 0.31 | 2 | -999 | 16 | 0.98 | 0.09 | 4.9 | 0.909 | 1.2 | 172 | 9.1 | 98 | 110.5 | |
| D | MHS213 | 0.033 | 0.77 | 35.7 | 7.9 | 0.24 | 0.0084 | 0.03 | 3.32 | 23.3 | 9.3 | 0.021 | 20.3 | 60.3 | -0.002 | 0.02 | 1.18 | 1 | -999 | 37.9 | 1.47 | -0.05 | 7.7 | 0.939 | 3.4 | 95 | 19.6 | 10 | 121 | |
| D | MHS214 | 0.024 | 0.63 | 29.8 | 7.1 | 0.2 | 0.0082 | 0.03 | 1.18 | 21.7 | 10 | 0.016 | 20.1 | 46.7 | -0.002 | 0.02 | 0.88 | 1 | -999 | 32.8 | 1.35 | -0.05 | 7 | 0.817 | 2.5 | 79 | 14.2 | 11 | 105 | |
| D | MHS215 | 0.017 | 0.19 | 26.3 | 11.1 | 0.41 | 0.0479 | 0.04 | 2 | 20.6 | 89.3 | 0.011 | 10.4 | 12.3 | -0.002 | 0.02 | 0.99 | 5 | -999 | 16 | 1.14 | 0.05 | 6.2 | 0.952 | 2.6 | 99 | 10.1 | 144 | 114 | Cr >1% ULD MS61 |
| D | MHS216 | 0.081 | 0.73 | 25.7 | 10.7 | 0.39 | 0.0265 | 0.04 | 2.19 | 26.1 | 146 | 0.016 | 16 | 76.2 | -0.002 | 0.03 | 1.54 | 3 | -999 | 19.7 | 1.87 | 0.09 | 8.9 | 1.155 | 3.3 | 169 | 16.4 | 100 | 144 | Cr >1% ULD MS61 |
| D | MHS217 | 0.014 | 0.05 | 11.3 | 9.3 | 0.23 | 0.0518 | 0.02 | 1.84 | 12.9 | 163.5 | 0.011 | 5.8 | 2.5 | -0.002 | 0.02 | 0.8 | 6 | -999 | 10.5 | 0.79 | -0.05 | 3.4 | 0.521 | 1.3 | 80 | 5.8 | 130 | 61.2 | Cr >1% ULD MS61 |
| D | MHS218 | 0.041 | 0.55 | 25.2 | 15.5 | 0.14 | 0.0059 | 0.04 | 0.94 | 16.2 | 22.6 | 0.005 | 8.6 | 33.8 | -0.002 | 0.01 | 0.5 | 2 | -999 | 7.7 | 1.19 | -0.05 | 16.6 | 0.431 | 3.8 | 39 | 19 | 13 | 131 | |
| D | MHS219 | 0.029 | 0.83 | 22.6 | 18.9 | 0.21 | 0.0134 | 0.08 | 0.74 | 15 | 16.2 | 0.009 | 11.7 | 50.8 | -0.002 | 0.03 | 1.38 | 1 | -999 | 16.3 | 1.05 | -0.05 | 7 | 0.595 | 2.5 | 55 | 14.3 | 23 | 111.5 | |
| D | MHS220 | 0.029 | 0.84 | 23.3 | 15.9 | 0.21 | 0.0082 | 0.26 | 0.61 | 14.8 | 12.8 | 0.009 | 19.3 | 47.8 | -0.002 | 0.03 | 0.55 | 1 | -999 | 21.6 | 1.03 | -0.05 | 8.2 | 0.533 | 2.7 | 53 | 15.8 | 15 | 106.5 | |
| D | MHS225 | 0.031 | 0.86 | 23.4 | 16.9 | 0.22 | 0.0124 | 0.29 | 0.72 | 15.2 | 19.9 | 0.011 | 17.2 | 50.8 | -0.002 | 0.03 | 0.53 | 1 | -999 | 26.4 | 1.05 | -0.05 | 7.3 | 0.6 | 2.3 | 55 | 14.6 | 22 | 112 | |
| D | MHS226 | 0.056 | 1.46 | 31.1 | 30.1 | 0.74 | 0.0145 | 0.26 | 0.55 | 15.6 | 41.4 | 0.011 | 17.7 | 83.7 | -0.002 | 0.03 | 0.58 | 1 | -999 | 24.5 | 1.11 | -0.05 | 9.5 | 0.605 | 2.5 | 89 | 22.6 | 95 | 115.5 | |
| D | MHS227 | 0.074 | 0.56 | 31.3 | 41.6 | 0.62 | 0.0132 | 0.47 | 0.73 | 27.8 | 34.1 | 0.012 | 9.8 | 49 | -0.002 | 0.02 | 0.46 | 2 | -999 | 35.3 | 1.96 | -0.05 | 7.9 | 1.435 | 2.2 | 175 | 24.5 | 61 | 170.5 | |
| D | MHS228 | 0.031 | 0.53 | 20.4 | 13.7 | 1.05 | 0.1 | 0.32 | 1.03 | 7.3 | 1170 | 0.018 | 14.7 | 27.7 | -0.002 | 0.05 | 0.46 | 2 | -999 | 18.2 | 0.53 | -0.05 | 5.3 | 0.279 | 1.7 | 76 | 16.3 | 145 | 63.2 | |
| D | MHS229 | 0.022 | 0.37 | 14.2 | 7 | 0.09 | 0.0113 | 0.02 | 0.52 | 8.1 | 16.4 | 0.006 | 8.5 | 22.7 | -0.002 | 0.01 | 0.68 | -1 | -999 | 6.5 | 0.63 | -0.05 | 5.3 | 0.276 | 1.5 | 23 | 7 | 9 | 100 | |
| D | MHS230 | 0.111 | 2.36 | 27.8 | 21.9 | 0.63 | 0.0079 | 0.05 | 0.43 | 16.1 | 26.6 | 0.019 | 27.9 | 115 | -0.002 | 0.02 | 0.98 | 2 | -999 | 13 | 1.23 | 0.08 | 17 | 0.591 | 3.3 | 153 | 15.6 | 33 | 140.5 | |
| D | MHS231 | 0.01 | 0.27 | 14.4 | 9.2 | 0.06 | 0.0228 | 0.04 | 1 | 18.3 | 7.7 | 0.006 | 6.5 | 14.3 | -0.002 | 0.02 | 0.42 | 1 | -999 | 11.2 | 1.15 | -0.05 | 5.7 | 0.901 | 2.3 | 26 | 9 | 6 | 120 | |
| D | MHS232 | 0.011 | 0.3 | 15.7 | 6.9 | 0.05 | 0.0154 | 0.05 | 0.82 | 24.6 | 7.1 | 0.006 | 8.5 | 13.6 | -0.002 | 0.02 | 0.4 | 1 | -999 | 18.7 | 1.54 | -0.05 | 6.7 | 1.26 | 2.9 | 26 | 10.4 | 6 | 133.5 | |
| D | MHS233 | 0.048 | 1.02 | 23.7 | 10.5 | 0.27 | 0.0063 | 0.11 | 0.86 | 26.3 | 26.1 | 0.007 | 10 | 95.1 | -0.002 | 0.01 | 0.58 | 1 | -999 | 20.3 | 1.91 | -0.05 | 8.7 | 1.115 | 3 | 113 | 14 | 14 | 151.5 | |
| D | MHS234 | 0.031 | 0.79 | 24.1 | 9 | 0.2 | 0.006 | 0.06 | 1.18 | 26.2 | 14.6 | 0.006 | 8.9 | 67.4 | -0.002 | 0.01 | 0.66 | 1 | -999 | 17.3 | 1.81 | -0.05 | 9.2 | 1.065 | 3.7 | 81 | 15.8 | 8 | 153 | |
| D | MHS235 | 0.031 | 0.52 | 27.2 | 9.5 | 0.15 | 0.0084 | 0.03 | 1.09 | 21 | 7.3 | 0.009 | 6.7 | 47 | -0.002 | 0.02 | 0.96 | 1 | -999 | 12.8 | 1.44 | -0.05 | 11.3 | 0.617 | 3.9 | 56 | 20.7 | 9 | 140 | |
| D | MHS236 | 0.027 | 0.67 | 24.8 | 9.7 | 0.17 | 0.0031 | 0.03 | 1.11 | 27.8 | 4.9 | 0.007 | 6.2 | 47.4 | -0.002 | 0.02 | 1.25 | 1 | -999 | 12 | 1.85 | -0.05 | 9.7 | 1.075 | 4.2 | 60 | 16.8 | 5 | 154.5 | |
| D | MHS237 | 0.063 | 0.71 | 38.2 | 10 | 0.19 | 0.0032 | 0.03 | 1.24 | 18.2 | 10.6 | 0.008 | 7.7 | 55.6 | -0.002 | 0.02 | 0.89 | 1 | -999 | 7.8 | 1.26 | -0.05 | 13.2 | 0.475 | 4.1 | 51 | 21.6 | 13 | 131.5 | |
| D | MHS238 | 0.039 | 1.05 | 28.5 | 16.7 | 0.42 | 0.0179 | 0.4 | 1.07 | 12.4 | 107.5 | 0.014 | 14.9 | 49.7 | -0.002 | 0.08 | 0.8 | 1 | -999 | 17 | 0.9 | -0.05 | 11.4 | 0.4 | 3.3 | 56 | 18.3 | 40 | 115 | |
| D | MHS239 | 0.041 | 0.7 | 34.6 | 24.9 | 0.33 | 0.0268 | 1 | 1.06 | 15 | 71.5 | 0.011 | 15 | 39.3 | -0.002 | 0.02 | 0.66 | 1 | -999 | 23.9 | 1.1 | -0.05 | 10.4 | 0.51 | 3 | 76 | 19.1 | 86 | 107 | |
| D | MHS240 | 0.036 | 0.73 | 23.6 | 25.5 | 0.74 | 0.0285 | 0.44 | 0.86 | 14.7 | 192.5 | 0.013 | 12.2 | 45.1 | -0.002 | 0.02 | 0.76 | 2 | -999 | 30.1 | 1.03 | -0.05 | 6.5 | 0.664 | 2.6 | 117 | 14.8 | 141 | 106.5 | Cr >1% ULD MS61 |
| D | MHS241 | 0.073 | 1.61 | 29.6 | 37.3 | 1.1 | 0.0499 | 0.68 | 1.26 | 11.9 | 60.3 | 0.01 | 15.3 | 65.1 | 0.002 | 0.12 | 0.85 | 1 | -999 | 25.6 | 0.84 | -0.05 | 11.5 | 0.415 | 3.6 | 90 | 22.5 | 63 | 104 | |
| D | MHS242 | 0.095 | 2.07 | 29.8 | 23.6 | 0.71 | 0.0182 | 0.13 | 4.28 | 21.4 | 62.8 | 0.018 | 32.8 | 103.5 | 0.002 | 0.35 | 2.3 | 2 | -999 | 27.1 | 1.53 | 0.08 | 10.7 | 1.01 | 4.5 | 221 | 25.1 | 44 | 171.5 | |
| D | MHS243 | 0.05 | 0.29 | 10.8 | 9.7 | 1.06 | 0.142 | 0.29 | 2.71 | 5.9 | 1360 | 0.019 | 12.3 | 17.3 | -0.002 | 0.04 | 1.68 | 2 | -999 | 19.9 | 0.42 | 0.09 | 3.5 | 0.279 | 1.1 | 211 | 6.6 | 212 | 43.7 | Cr >1% ULD MS61 |
| D | MHS244 | 0.038 | 0.82 | 45.6 | 20.1 | 0.58 | 0.03 | 0.63 | 0.84 | 9.4 | 176 | 0.021 | 30.1 | 42.4 | -0.002 | 0.12 | 0.52 | 2 | -999 | 21 | 0.68 | -0.05 | 9.3 | 0.273 | 3.3 | 82 | 37.8 | 165 | 83.9 | Cr >1% ULD MS61 |
| D | MHS245 | 0.045 | 0.82 | 33.1 | 25.4 | 1.5 | 0.0433 | 0.33 | 1.36 | 9.1 | 1350 | 0.032 | 26.4 | 43.9 | -0.002 | 0.38 | 0.7 | 3 | -999 | 20.2 | 0.67 | -0.05 | 6.1 | 0.396 | 2.2 | 134 | 26.8 | 288 | 72.7 | Cr >1% ULD MS61 |
| D | MHS250 | 0.039 | 0.66 | 28.1 | 25.9 | 0.95 | 0.0865 | 0.31 | 1.17 | 11 | 775 | 0.041 | 21.8 | 44.1 | -0.002 | 0.04 | 0.53 | 2 | -999 | 24.9 | 0.8 | -0.05 | 5.6 | 0.475 | 1.9 | 127 | 18.9 | 225 | 76.5 | Cr & |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|--------|--------|------|------|------|--------|------|------|------|-------|-------|------|------|--------|-------|------|-----|------|------|-------|-------|------|-------|-----|-----|------|-----|-------|-----------------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| D | MHS264 | 0.047 | 0.65 | 22 | 23.2 | 0.35 | 0.0119 | 0.07 | 0.62 | 11.7 | 612 | 0.01 | 22.6 | 50.1 | -0.002 | 0.06 | 0.73 | 2 | -999 | 15.6 | 0.92 | -0.05 | 7.8 | 0.46 | 2.2 | 77 | 13 | 84 | 95.5 | |
| D | MHS265 | 0.042 | 0.6 | 18.9 | 13.6 | 0.38 | 0.0411 | 0.08 | 1.08 | 8.3 | 834 | 0.013 | 16.6 | 39.3 | -0.002 | 0.02 | 0.72 | 2 | -999 | 12.1 | 0.63 | -0.05 | 6.4 | 0.335 | 1.8 | 100 | 12.6 | 151 | 76.9 | Cr >1% ULD MS61 |
| D | MHS266 | 0.022 | 0.26 | 17.1 | 9.9 | 0.35 | 0.0236 | 0.07 | 0.82 | 8.5 | 289 | 0.011 | 12.8 | 18.4 | -0.002 | 0.02 | 0.58 | 2 | -999 | 10.9 | 0.63 | -0.05 | 4.9 | 0.344 | 1.4 | 72 | 7.3 | 108 | 71.9 | Cr >1% ULD MS61 |
| D | MHS267 | 0.014 | 0.3 | 14 | 12.1 | 0.25 | 0.0137 | 0.06 | 0.45 | 10.1 | 47.7 | 0.006 | 6.9 | 21.8 | -0.002 | 0.05 | 0.58 | 2 | -999 | 10.2 | 0.71 | -0.05 | 4.6 | 0.436 | 1.5 | 47 | 7.6 | 65 | 84.9 | Cr >1% ULD MS61 |
| D | MHS268 | 0.065 | 1.41 | 23.9 | 30.7 | 0.49 | 0.0085 | 0.16 | 0.4 | 18.1 | 64.4 | 0.006 | 26.6 | 84.4 | -0.002 | 0.03 | 1.09 | 1 | -999 | 18.1 | 1.38 | -0.05 | 9.7 | 0.668 | 2.7 | 89 | 13.9 | 55 | 129.5 | |
| D | MHS269 | 0.056 | 1.27 | 30 | 23.7 | 0.3 | 0.0047 | 0.07 | 1.19 | 16.7 | 17 | 0.008 | 40.4 | 88.4 | -0.002 | 0.03 | 4.33 | 2 | -999 | 15.9 | 1.22 | -0.05 | 8.7 | 0.691 | 3.1 | 105 | 24.4 | 41 | 126 | |
| D | MHS270 | 0.027 | 0.69 | 20.3 | 14 | 0.15 | 0.005 | 0.41 | 0.96 | 15.5 | 13.3 | 0.009 | 15.4 | 34 | -0.002 | 0.02 | 0.55 | 1 | -999 | 16.8 | 1.17 | -0.05 | 9.6 | 0.407 | 3.3 | 33 | 17.1 | 13 | 101 | |
| D | MHS275 | 0.015 | 0.39 | 14.3 | 9.1 | 0.1 | 0.0097 | 0.15 | 0.6 | 13.4 | 7.6 | 0.01 | 17.2 | 20.5 | -0.002 | 0.01 | 0.62 | 1 | -999 | 13.1 | 0.82 | -0.05 | 5.8 | 0.567 | 2.5 | 26 | 12.1 | 10 | 89 | |
| D | MHS276 | 0.009 | 0.11 | 8.4 | 7.4 | 0.14 | 0.0063 | 0.06 | 0.75 | 13.9 | 18.3 | 0.007 | 10.3 | 5.8 | -0.002 | 0.04 | 0.61 | 1 | -999 | 23.4 | 0.96 | -0.05 | 4 | 0.596 | 1.9 | 19 | 7.9 | 16 | 82.8 | |
| D | MHS277 | 0.06 | 1 | 24.9 | 20.8 | 0.78 | 0.0161 | 0.15 | 1.55 | 15.1 | 72.6 | 0.017 | 18.6 | 58 | -0.002 | 0.04 | 1.07 | 2 | -999 | 26.6 | 1.07 | 0.05 | 8 | 0.648 | 2.6 | 113 | 19 | 47 | 110 | |
| D | MHS278 | 0.007 | 0.05 | 2.8 | 1.7 | 8.99 | 0.146 | 0.03 | 0.76 | 1.6 | 3830 | 0.004 | 4.7 | 2.1 | -0.002 | 0.02 | 0.08 | 1 | -999 | 9.1 | 0.1 | -0.05 | 1.1 | 0.057 | 0.2 | 80 | 1.3 | 264 | 12 | Cr >1% ULD MS61 |
| D | MHS279 | 0.009 | 0.06 | 3.1 | 1.5 | 9.97 | 0.305 | 0.03 | 0.83 | 1.6 | 4700 | 0.006 | 7 | 2.1 | -0.002 | 0.01 | 0.11 | 1 | -999 | 11.3 | 0.1 | -0.05 | 1.1 | 0.057 | 0.2 | 57 | 1.6 | 219 | 11 | Cr >1% ULD MS61 |
| D | MHS280 | 0.007 | 0.04 | 1.7 | 1.2 | 10.7 | 0.102 | 0.02 | 0.58 | 0.8 | 3590 | 0.008 | 2.9 | 1.3 | -0.002 | 0.02 | 0.05 | 2 | -999 | 7.2 | 0.05 | -0.05 | 0.5 | 0.024 | 0.2 | 70 | 1 | 251 | 5.3 | Cr >1% ULD MS61 |
| D | MHS281 | 0.022 | 0.29 | 12.2 | 14.8 | 8.9 | 0.0419 | 0.1 | 0.47 | 5.9 | 1500 | 0.007 | 9.3 | 19.8 | -0.002 | 0.04 | 0.27 | 2 | -999 | 11.8 | 0.41 | -0.05 | 2.9 | 0.271 | 1 | 73 | 10.5 | 152 | 45.8 | Cr >1% ULD MS61 |
| D | MHS282 | 0.045 | 0.71 | 25.4 | 30 | 1.37 | 0.0435 | 0.19 | 1.11 | 12.7 | 303 | 0.015 | 22.8 | 49.4 | -0.002 | 0.04 | 0.67 | 2 | -999 | 25.7 | 0.93 | -0.05 | 6.2 | 0.574 | 2.2 | 113 | 18.4 | 154 | 89.4 | Cr >1% ULD MS61 |
| D | MHS283 | 0.013 | 0.1 | 4.5 | 3 | 7.67 | 0.541 | 0.14 | 0.69 | 2.1 | 3000 | 0.009 | 8.3 | 4.1 | -0.002 | 0.02 | 0.14 | 4 | -999 | 11.6 | 0.14 | -0.05 | 1.2 | 0.103 | 0.3 | 219 | 3.4 | 339 | 16 | Cr >1% ULD MS61 |
| D | MHS284 | 0.021 | 0.13 | 3.9 | 6.5 | 2.61 | 1.07 | 0.19 | 0.95 | 2.9 | 2180 | 0.011 | 7.6 | 4.9 | -0.002 | 0.02 | 0.17 | 6 | -999 | 15.1 | 0.21 | 0.07 | 1.2 | 0.176 | 0.4 | 255 | 2.5 | 370 | 19.8 | Cr >1% ULD MS61 |
| D | MHS285 | 0.074 | 0.22 | 2.1 | 50.2 | 0.91 | 0.0673 | 0.29 | 0.94 | 4 | 277 | 0.011 | 6.6 | 4 | -0.002 | 0.02 | 0.2 | 2 | -999 | 12 | 0.31 | 0.08 | 1.1 | 0.454 | 0.6 | 295 | 4.5 | 199 | 39.1 | |
| D | MHS286 | 0.092 | 0.21 | 3 | 47.2 | 1.09 | 0.0374 | 0.35 | 1.62 | 5.4 | 181.5 | 0.014 | 12.2 | 5.2 | 0.007 | 0.06 | 0.27 | 4 | -999 | 15.7 | 0.38 | -0.05 | 2.6 | 0.461 | 0.9 | 327 | 5 | 148 | 52.9 | |
| D | MHS287 | -0.005 | 0.03 | 5.6 | 4.1 | 0.02 | 0.0026 | 0.01 | 0.34 | 4.2 | 4.1 | 0.003 | 3.1 | 1.6 | 0.002 | 0.01 | 0.39 | -1 | -999 | 3.3 | 0.21 | -0.05 | 1.6 | 0.154 | 0.6 | 7 | 2.5 | 4 | 44 | |
| D | MHS288 | -0.005 | 0.01 | 3.2 | 4.4 | 0.03 | 0.0061 | 0.01 | 0.25 | 3 | 5.9 | 0.003 | 0.6 | 0.6 | -0.002 | 0.02 | 0.24 | -1 | -999 | 3.5 | 0.15 | -0.05 | 1.1 | 0.102 | 0.5 | 5 | 1.8 | 6 | 31.6 | |
| D | MHS289 | -0.005 | 0.03 | 5.1 | 4.1 | 0.01 | 0.0019 | 0.01 | 0.18 | 3.4 | 1.9 | 0.004 | 1.3 | 1.3 | -0.002 | 0.01 | 0.26 | -1 | -999 | 4.6 | 0.16 | -0.05 | 1.5 | 0.107 | 0.5 | 4 | 2.3 | 3 | 38 | |
| D | MHS290 | -0.005 | 0.02 | 1.6 | 4.3 | 0.02 | 0.005 | 0.01 | 0.29 | 3 | 1.9 | 0.004 | -0.5 | 0.9 | -0.002 | 0.01 | 0.23 | -1 | -999 | 2.5 | 0.12 | -0.05 | 0.7 | 0.108 | 0.4 | 4 | 1.7 | 4 | 27.9 | |
| D | MHS291 | -0.005 | 0.02 | 3.3 | 5.3 | 0.03 | 0.0061 | 0.01 | 1.02 | 9.1 | 2.8 | 0.003 | 0.7 | 0.9 | -0.002 | 0.01 | 0.62 | -1 | -999 | 3.7 | 0.58 | -0.05 | 1.9 | 0.333 | 1.1 | 10 | 3.9 | 8 | 80.7 | |
| D | MHS292 | -0.005 | 0.01 | 1.6 | 3.9 | 0.02 | 0.0092 | 0.01 | 0.33 | 3 | 3.7 | 0.004 | -0.5 | 0.3 | -0.002 | -0.01 | 0.22 | -1 | -999 | 2 | 0.08 | -0.05 | 0.6 | 0.106 | 0.4 | 4 | 1.5 | 5 | 28.5 | |
| D | MHS293 | -0.005 | 0.01 | 1.8 | 4.8 | 0.03 | 0.0133 | 0.02 | 0.48 | 4.8 | 4.9 | 0.006 | -0.5 | 0.5 | -0.002 | 0.01 | 0.27 | -1 | -999 | 3.4 | 0.27 | -0.05 | 0.9 | 0.175 | 0.5 | 5 | 2.7 | 8 | 34.5 | |
| D | MHS295 | 0.008 | 0.53 | 6.7 | 8.3 | 0.13 | 0.0169 | 0.05 | 0.53 | 7 | 8.5 | 0.006 | 4.3 | 27.5 | -0.002 | 0.06 | 0.32 | -1 | -999 | 9.2 | 0.53 | -0.05 | 3.1 | 0.211 | 1.2 | 14 | 2.7 | 10 | 67.5 | |
| D | MHS296 | -0.005 | 0.03 | 1.6 | 4.1 | 0.05 | 0.025 | 0.02 | 0.66 | 3.6 | 7.4 | 0.006 | 1.8 | 0.8 | -0.002 | 0.02 | 0.27 | -1 | -999 | 16.3 | 0.24 | -0.05 | 0.8 | 0.126 | 0.4 | 4 | 1.8 | 7 | 25.3 | |
| D | MHS297 | 0.01 | 0.31 | 16.8 | 7.1 | 0.26 | 0.0333 | 0.07 | 0.87 | 10.7 | 34.2 | 0.007 | 6.6 | 18.5 | -0.002 | 0.04 | 0.58 | 2 | -999 | 11.2 | 0.73 | -0.05 | 5 | 0.43 | 1.5 | 39 | 7.2 | 62 | 91.7 | Cr >1% ULD MS61 |
| D | MHS298 | 0.01 | 0.24 | 13.3 | 8.7 | 0.2 | 0.032 | 0.04 | 0.96 | 10.6 | 18.8 | 0.005 | 5.6 | 16.2 | -0.002 | 0.02 | 0.55 | 2 | -999 | 9.1 | 0.71 | -0.05 | 4.4 | 0.428 | 1.5 | 34 | 6.9 | 48 | 92.3 | Cr >1% ULD MS61 |
| D | MHS299 | 0.03 | 1.07 | 16.6 | 23.5 | 0.41 | 0.0115 | 0.11 | 0.43 | 13.3 | 37.8 | 0.004 | 12.6 | 61.6 | -0.002 | 0.02 | 0.64 | 1 | -999 | 16 | 0.95 | -0.05 | 8.1 | 0.455 | 2 | 53 | 9.7 | 59 | 105 | |
| D | MHS304 | 0.047 | 1.92 | 14.3 | 61.9 | 0.8 | 0.008 | 0.07 | 0.34 | 15.4 | 48.7 | 0.005 | 26.5 | 103 | -0.002 | 0.03 | 0.66 | 1 | -999 | 14.9 | 1.18 | -0.05 | 7.2 | 0.494 | 2.3 | 57 | 7.3 | 50 | 104.5 | |
| D | MHS305 | 0.02 | 0.6 | 19.6 | 12.5 | 0.16 | 0.0098 | 0.1 | 0.42 | 13.4 | 11 | 0.008 | 9.4 | 38.2 | -0.002 | 0.03 | 0.94 | 1 | -999 | 14.3 | 0.88 | -0.05 | 6.1 | 0.538 | 2 | 36 | 9.8 | 21 | 104.5 | |
| D | MHS306 | 0.017 | 0.56 | 17.3 | 12.1 | 0.14 | 0.0085 | 0.08 | 0.38 | 11.3 | 8.4 | 0.006 | 8.9 | 34.3 | -0.002 | 0.04 | 0.86 | 1 | -999 | 12.4 | 0.75 | -0.05 | 5.6 | 0.47 | 1.8 | 33 | 8.8 | 20 | 89.4 | |
| D | MHS307 | 0.012 | 0.54 | 13.2 | 9.2 | 0.16 | 0.0094 | 0.03 | 0.3 | 10.1 | 7.1 | 0.006 | 12.2 | 32.6 | -0.002 | 0.03 | 1.45 | 1 | -999 | 8.1 | 0.66 | -0.05 | 4.4 | 0.386 | 1.8 | 29 | 6.6 | 56 | 79.5 | |
| D | MHS308 | 0.031 | 0.82 | 23.9 | 19.3 | 0.29 | 0.0186 | 0.18 | 0.65 | 13.4 | 34.5 | 0.013 | 13.2 | 48.2 | -0.002 | 0.04 | 0.76 | 1 | -999 | 19.3 | 0.93 | -0.05 | 6.8 | 0.54 | 2.1 | 60 | 14.4 | 46 | 96.6 | |
| D | MHS309 | 0.038 | 0.94 | 26 | 22.2 | 0.42 | 0.0165 | 0.22 | 0.6 | 15.4 | 33.8 | 0.009 | 13.6 | 58.6 | -0.002 | 0.03 | 0.67 | 1 | -999 | 22.2 | 1.07 | -0.05 | 8 | 0.634 | 2.5 | 77 | 17.3 | 49 | 111.5 | |
| D | MHS310 | 0.052 | 1.04 | 28.8 | 21.5 | 0.5 | 0.0116 | 0.2 | 0.97 | 17.3 | 31 | 0.011 | 19.9 | 66.5 | -0.002 | 0.04 | 1.32 | 2 | -999 | 21.3 | 1.22 | -0.05 | 9.6 | 0.721 | 2.9 | 99 | 18.4 | 44 | 126 | |
| D | MHS311 | 0.074 | 1.14 | 27.3 | 11.5 | 0.37 | 0.0039 | 0.05 | 2.66 | 19.7 | 38.3 | 0.012 | 25.1 | 80 | -0.002 | 0.02 | 2.91 | 2 | -999 | 11.8 | 1.39 | 0.05 | 12.3 | 0.755 | 4.2 | 123 | 17.7 | 19 | 148 | |
| D | MHS312 | 0.046 | 0.66 | 24.2 | 15.2 | 0.29 | 0.0055 | 0.03 | 1.17 | 20.2 | 30.8 | 0.006 | 7.3 | 46.9 | -0.002 | 0.01 | 1.45 | 1 | -999 | 9.4 | 1.42 | -0.05 | 8.9 | 0.819 | 3 | 115 | 14.2 | 12 | 133 | |
| D | MHS313 | 0.005 | 0.04 | 1.3 | 0.8 | 18.2 | 0.0424 | 0.01 | 0.32 | 0.7 | 2900 | 0.003 | 1.6 | 2 | -0.002 | 0.01 | 0.11 | 1 | -999 | 5.5 | -0.05 | -0.05 | 0.4 | 0.023 | 0.1 | 25 | 0.7 | 97 | 4.9 | |
| D | MHS314 | 0.027 | 0.29 | 16.8 | 6.6 | 1.44 | 0.627 | 0.23 | 0.66 | 7.2 | 3620 | 0.01 | 10.8 | 21.3 | -0.002 | 0.03 | 0.2 | 2 | -999 | 18.8 | 0.49 | 0.05 | 4.2 | 0.351 | 1.3 | 68 | 13.2 | 136 | 47.7 | |
| D | MHS315 | 0.031 | 0.36 | 23.1 | 8.8 | 1.06 | 0.308 | 0.36 | 0.94 | 8.8 | 2670 | 0.01 | 17.6 | 27 | -0.002 | 0.02 | 0.28 | 3 | -999 | 23.7 | 0.58 | 0.05 | 5.3 | 0.427 | 1.7 | 148 | 21.2 | 227 | 60 | Cr >1% ULD MS61 |
| D | MHS316 | 0.011 | 0.08 | 9.4 | 4.6 | 10.9 | 0.108 | 0.03 | 0.34 | 1.7 | 1480 | 0.006 | 6.4 | 5 | -0.002 | 0.02 | 0.16 | 2 | -999 | 7.8 | 0.12 | -0.05 | 0.9 | 0.091 | 0.2 | 93 | 16.8 | 221 | 14.6 | Cr >1% ULD MS61 |
| D | MHS317 | 0.011 | 0.16</ | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|--------|------|------|------|------|--------|------|------|------|------|-------|------|------|--------|------|------|-----|------|------|------|-------|------|-------|-----|-----|------|-----|-------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | MHS336 | 0.021 | 0.83 | 19 | 15.3 | 0.19 | 0.0083 | 0.25 | 0.56 | 11.5 | 12.7 | 0.01 | 12.9 | 48.1 | -0.002 | 0.04 | 0.59 | 1 | -999 | 19.1 | 0.8 | -0.05 | 7.3 | 0.431 | 2.7 | 41 | 12.9 | 16 | 96.9 | |
| D | MHS337 | 0.031 | 0.83 | 19.8 | 22.1 | 0.3 | 0.0078 | 0.24 | 0.61 | 14.4 | 22.4 | 0.01 | 19.3 | 53.3 | -0.002 | 0.04 | 0.79 | 1 | -999 | 18.2 | 0.99 | -0.05 | 8.5 | 0.533 | 3 | 54 | 14.6 | 28 | 115 | |
| D | MHS338 | 0.018 | 0.54 | 9.2 | 10.6 | 0.11 | 0.005 | 0.03 | 0.65 | 17.7 | 2.8 | 0.003 | 2.4 | 34.1 | -0.002 | 0.01 | 0.88 | -1 | -999 | 8.8 | 1.15 | -0.05 | 11.5 | 0.377 | 4.8 | 13 | 20.7 | 4 | 136 | |
| D | MHS339 | 0.041 | 0.77 | 21.7 | 9.3 | 0.27 | 0.0051 | 0.05 | 1.48 | 23.6 | 12.2 | 0.008 | 7.2 | 73.9 | -0.002 | 0.01 | 1.12 | 1 | -999 | 14 | 1.65 | -0.05 | 9.2 | 1.01 | 3.4 | 127 | 15.3 | 11 | 149 | |
| D | MHS340 | 0.012 | 0.21 | 13.4 | 7.2 | 0.07 | 0.0063 | 0.04 | 0.81 | 16.2 | 4.2 | 0.006 | 4.9 | 13.4 | -0.002 | 0.01 | 0.56 | 1 | -999 | 10.4 | 1.08 | -0.05 | 6.3 | 0.794 | 2.7 | 33 | 8.4 | 7 | 103 | |
| D | MHS341 | 0.03 | 0.22 | 19.2 | 14 | 0.16 | 0.0057 | 0.15 | 1.14 | 13.6 | 29.4 | 0.007 | 4.9 | 17 | -0.002 | 0.01 | 0.58 | 1 | -999 | 7.9 | 0.98 | -0.05 | 14.4 | 0.356 | 3.9 | 43 | 17.1 | 14 | 117.5 | |
| D | MHS342 | 0.083 | 1.43 | 44.8 | 13 | 0.27 | 0.0059 | 0.03 | 0.74 | 23.1 | 23.7 | 0.016 | 68.5 | 87.8 | -0.002 | 0.01 | 2.48 | 1 | -999 | 13.3 | 1.62 | 0.07 | 25.4 | 0.832 | 5.4 | 184 | 15.2 | 36 | 194 | |
| D | MHS343 | 0.077 | 1.47 | 48.2 | 14.3 | 0.5 | 0.0144 | 0.04 | 0.62 | 21.6 | 52.7 | 0.014 | 52.3 | 87.2 | -0.002 | 0.01 | 1.99 | 1 | -999 | 16.1 | 1.56 | -0.05 | 14.7 | 0.773 | 3.3 | 97 | 17.6 | 36 | 169 | |
| D | MHS344 | 0.013 | 0.24 | 17.2 | 6.3 | 0.06 | 0.0245 | 0.02 | 0.98 | 12.2 | 8.5 | 0.008 | 9.9 | 14.4 | -0.002 | 0.03 | 0.86 | 1 | -999 | 7.6 | 0.73 | -0.05 | 5.5 | 0.435 | 1.6 | 23 | 7.1 | 9 | 114 | |
| D | MHS345 | 0.025 | 0.47 | 23.9 | 6.7 | 0.1 | 0.0059 | 0.02 | 0.56 | 12.9 | 6.5 | 0.008 | 15.9 | 31.3 | -0.002 | 0.02 | 0.93 | 1 | -999 | 8.7 | 0.95 | -0.05 | 7.2 | 0.45 | 1.8 | 31 | 7.7 | 10 | 111 | |
| D | MHS346 | 0.014 | 0.29 | 19.3 | 7.3 | 0.06 | 0.0044 | 0.02 | 0.52 | 12.7 | 4.5 | 0.006 | 9.7 | 17.9 | -0.002 | 0.01 | 0.89 | 1 | -999 | 7.5 | 0.81 | -0.05 | 5.9 | 0.47 | 1.7 | 26 | 7.3 | 8 | 124 | |
| D | MHS347 | 0.019 | 0.41 | 26 | 6.8 | 0.09 | 0.0103 | 0.02 | 0.66 | 14.8 | 6.3 | 0.009 | 14.7 | 25.5 | -0.002 | 0.03 | 0.87 | -1 | -999 | 12.7 | 1.05 | -0.05 | 7.2 | 0.534 | 1.9 | 35 | 8.6 | 11 | 134 | |
| D | MHS352 | -0.005 | 0.03 | 4.3 | 6.3 | 0.03 | 0.0061 | 0.02 | 0.54 | 8.6 | 1.5 | 0.003 | 2.3 | 1.3 | -0.002 | 0.02 | 0.58 | -1 | -999 | 5.8 | 0.61 | -0.05 | 2.2 | 0.32 | 0.9 | 10 | 3.8 | 6 | 70.1 | |
| D | MHS353 | -0.005 | 0.06 | 18.8 | 5.4 | 0.03 | 0.0087 | 0.02 | 0.33 | 6.8 | 4 | 0.006 | 3.5 | 3.1 | -0.002 | 0.03 | 0.35 | -1 | -999 | 8 | 0.51 | -0.05 | 5.7 | 0.209 | 1.7 | 5 | 6 | 12 | 157 | |
| D | MHS354 | 0.006 | 0.15 | 22.2 | 5.3 | 0.04 | 0.0021 | 0.01 | 0.23 | 6.5 | 5.2 | 0.006 | 5.2 | 9 | -0.002 | 0.02 | 0.44 | -1 | -999 | 7.1 | 0.47 | -0.05 | 7.2 | 0.196 | 1.9 | 8 | 6.7 | 4 | 155 | |
| D | MHS355 | -0.005 | 0.03 | 8.9 | 4.5 | 0.05 | 0.0038 | 0.02 | 0.24 | 5.2 | 1.6 | 0.005 | 2.1 | 1.1 | -0.002 | 0.04 | 0.87 | -1 | -999 | 6.4 | 0.3 | -0.05 | 2.8 | 0.164 | 1.3 | 3 | 4 | 4 | 117 | |
| D | MHS356 | 0.008 | 0.4 | 31.4 | 6.8 | 0.08 | 0.0071 | 0.02 | 0.32 | 9.5 | 3.4 | 0.008 | 7.1 | 26.5 | -0.002 | 0.01 | 2.19 | -1 | -999 | 13.4 | 0.61 | -0.05 | 9.4 | 0.296 | 2.4 | 15 | 9.1 | 5 | 190 | |
| D | MHS357 | 0.009 | 0.46 | 41.3 | 6.7 | 0.09 | 0.0051 | 0.01 | 0.22 | 10.6 | 3.6 | 0.011 | 13.9 | 35.2 | -0.002 | 0.01 | 0.74 | -1 | -999 | 15.1 | 0.77 | -0.05 | 12.9 | 0.302 | 2.5 | 21 | 12.1 | 4 | 176 | |
| D | MHS358 | 0.01 | 0.33 | 36.6 | 5.2 | 0.07 | 0.0155 | 0.01 | 0.42 | 9.3 | 5.3 | 0.011 | 7.4 | 20.6 | -0.002 | 0.02 | 0.39 | -1 | -999 | 12.7 | 0.75 | -0.05 | 12.2 | 0.269 | 2.7 | 14 | 10.7 | 6 | 221 | |
| D | MHS359 | 0.007 | 0.15 | 35.4 | 4.2 | 0.05 | 0.0078 | 0.02 | 0.33 | 8.7 | 2.9 | 0.012 | 6.8 | 9 | -0.002 | 0.03 | 0.35 | -1 | -999 | 14.1 | 0.63 | -0.05 | 10.6 | 0.259 | 2.3 | 10 | 9.2 | 4 | 142 | |
| D | MHS360 | -0.005 | 0.07 | 22.6 | 6.6 | 0.02 | 0.0037 | 0.01 | 0.26 | 9.3 | 1.5 | 0.007 | 3.3 | 3.8 | -0.002 | 0.01 | 0.36 | -1 | -999 | 9.7 | 0.69 | -0.05 | 7 | 0.289 | 2.5 | 7 | 7.5 | 3 | 229 | |
| D | MHS361 | -0.005 | 0.05 | 20 | 6.4 | 0.02 | 0.0062 | 0.01 | 0.26 | 7.3 | 1.7 | 0.005 | 2.5 | 2.7 | -0.002 | 0.01 | 0.31 | -1 | -999 | 6.2 | 0.54 | -0.05 | 6.4 | 0.222 | 2.2 | 5 | 6.1 | 2 | 212 | |
| D | MHS362 | -0.005 | 0.03 | 14.3 | 5.1 | 0.03 | 0.0104 | 0.02 | 0.45 | 7.7 | 3 | 0.007 | 2.9 | 1.4 | -0.002 | 0.02 | 0.33 | -1 | -999 | 6.7 | 0.53 | -0.05 | 4.2 | 0.235 | 1.6 | 6 | 4.9 | 3 | 102.5 | |
| D | MHS363 | 0.007 | 0.18 | 29.2 | 6.4 | 0.06 | 0.0047 | 0.01 | 0.57 | 11.1 | 2.9 | 0.008 | 7.4 | 15.1 | -0.002 | 0.01 | 0.56 | -1 | -999 | 11.2 | 0.74 | -0.05 | 7 | 0.335 | 1.9 | 21 | 7.6 | 4 | 115.5 | |
| D | MHS364 | 0.023 | 0.21 | 40.8 | 10.3 | 0.1 | 0.0021 | 0.02 | 0.68 | 12.1 | 5.2 | 0.011 | 11 | 24 | -0.002 | 0.01 | 1.49 | 1 | -999 | 14.2 | 1.03 | -0.05 | 12.4 | 0.356 | 2.3 | 31 | 9.4 | 6 | 121 | |
| D | MHS365 | 0.05 | 0.35 | 38 | 25.9 | 0.18 | 0.0023 | 0.02 | 1.61 | 12 | 8.8 | 0.014 | 17 | 39.1 | -0.002 | 0.02 | 0.79 | 2 | -999 | 21.5 | 0.97 | 0.05 | 15 | 0.35 | 2.4 | 62 | 10.5 | 10 | 116 | |
| D | MHS366 | -0.005 | 0.03 | 10.1 | 6.5 | 0.03 | 0.0046 | 0.01 | 0.34 | 9.3 | 2 | 0.006 | 2.1 | 1.2 | -0.002 | 0.02 | 1.32 | -1 | -999 | 13.1 | 0.65 | -0.05 | 2.9 | 0.282 | 1.5 | 5 | 5.2 | 3 | 109.5 | |
| D | MHS367 | 0.01 | 0.25 | 26.2 | 6.2 | 0.06 | 0.0057 | 0.02 | 0.32 | 8.9 | 3 | 0.014 | 8.4 | 16.8 | -0.002 | 0.03 | 0.77 | 1 | -999 | 12.5 | 0.63 | -0.05 | 8.1 | 0.27 | 2 | 13 | 9.1 | 5 | 143 | |
| D | MHS368 | 0.025 | 1.01 | 37.4 | 8.7 | 0.22 | 0.0044 | 0.03 | 0.31 | 12.5 | 5 | 0.013 | 10.1 | 92.9 | -0.002 | 0.02 | 0.71 | 1 | -999 | 19.3 | 1 | -0.05 | 10.8 | 0.316 | 2.4 | 34 | 9.6 | 8 | 126 | |
| D | MHS369 | 0.018 | 0.62 | 27.8 | 14.2 | 0.14 | 0.0137 | 0.03 | 0.32 | 8 | 13.2 | 0.027 | 9.3 | 43.4 | -0.002 | 0.03 | 0.56 | 1 | -999 | 16.3 | 0.61 | -0.05 | 9.4 | 0.225 | 2.1 | 22 | 10.9 | 79 | 145 | |
| D | MHS370 | 0.015 | 0.59 | 32.7 | 5.6 | 0.12 | 0.0084 | 0.02 | 0.24 | 9 | 4.4 | 0.017 | 10.1 | 42 | -0.002 | 0.05 | 2.39 | -1 | -999 | 14.6 | 0.71 | -0.05 | 11 | 0.261 | 2.2 | 21 | 10.4 | 8 | 159.5 | |
| D | MHS371 | 0.013 | 0.4 | 35.1 | 6.2 | 0.08 | 0.0096 | 0.01 | 0.33 | 10.5 | 4.4 | 0.011 | 8.8 | 28.4 | -0.002 | 0.02 | 0.58 | -1 | -999 | 10.8 | 0.75 | -0.05 | 10.7 | 0.312 | 2.6 | 18 | 12 | 5 | 191.5 | |
| D | MHS376 | 0.011 | 0.21 | 26.6 | 5 | 0.07 | 0.0074 | 0.02 | 0.29 | 7.8 | 5.8 | 0.013 | 11.2 | 13.7 | -0.002 | 0.03 | 0.42 | 1 | -999 | 23 | 0.55 | -0.05 | 7.9 | 0.227 | 1.9 | 10 | 8.1 | 6 | 128 | |
| D | MHS377 | 0.007 | 0.19 | 28.3 | 5.7 | 0.05 | 0.0032 | 0.01 | 0.25 | 8.6 | 7.6 | 0.009 | 7.9 | 12.1 | -0.002 | 0.02 | 0.35 | -1 | -999 | 14.2 | 0.61 | -0.05 | 8.4 | 0.249 | 2.1 | 9 | 9.1 | 4 | 143.5 | |
| D | MHS378 | 0.014 | 0.45 | 35.5 | 6.4 | 0.1 | 0.0031 | 0.02 | 0.21 | 9.8 | 4.2 | 0.013 | 14.4 | 30.6 | -0.002 | 0.03 | 0.96 | -1 | -999 | 15.7 | 0.77 | -0.05 | 11.1 | 0.278 | 2.5 | 17 | 10.2 | 6 | 173.5 | |
| D | MHS379 | 0.014 | 0.44 | 37.3 | 6.9 | 0.09 | 0.0057 | 0.01 | 0.21 | 9.5 | 4.1 | 0.011 | 12.2 | 31.1 | -0.002 | 0.02 | 0.45 | -1 | -999 | 14.7 | 0.7 | -0.05 | 11.5 | 0.271 | 2.6 | 16 | 10.8 | 6 | 200 | |
| D | MHS380 | 0.01 | 0.24 | 29.7 | 5.5 | 0.06 | 0.0034 | 0.01 | 0.22 | 10.4 | 5.4 | 0.009 | 9.3 | 15.1 | -0.002 | 0.02 | 1.23 | -1 | -999 | 12.2 | 0.73 | -0.05 | 9 | 0.298 | 2.4 | 11 | 10.7 | 4 | 165 | |
| D | MHS381 | 0.011 | 0.33 | 28.2 | 5 | 0.07 | 0.005 | 0.01 | 0.23 | 9.6 | 4 | 0.01 | 7.6 | 19.3 | -0.002 | 0.02 | 0.59 | -1 | -999 | 13.9 | 0.71 | -0.05 | 9.1 | 0.285 | 2.1 | 12 | 9.8 | 4 | 145 | |
| D | MHS382 | 0.006 | 0.06 | 30.1 | 6.1 | 0.03 | 0.0026 | 0.01 | 0.14 | 9 | 1.5 | 0.008 | 8.4 | 3.4 | -0.002 | 0.01 | 0.37 | -1 | -999 | 10.1 | 0.68 | -0.05 | 9.3 | 0.274 | 2.5 | 6 | 9.5 | 4 | 184.5 | |
| D | MHS383 | 0.012 | 0.43 | 33.1 | 7.1 | 0.09 | 0.005 | 0.02 | 0.35 | 8.7 | 7.5 | 0.011 | 16 | 28.9 | -0.002 | 0.02 | 0.44 | -1 | -999 | 10.3 | 0.65 | -0.05 | 10.9 | 0.256 | 2.4 | 16 | 9.8 | 7 | 176 | |
| D | MHS384 | 0.019 | 0.57 | 40.3 | 7.4 | 0.12 | 0.0042 | 0.02 | 0.21 | 10.4 | 3.6 | 0.012 | 18.7 | 42.7 | -0.002 | 0.01 | 0.48 | -1 | -999 | 14.5 | 0.84 | -0.05 | 12.5 | 0.293 | 2.6 | 22 | 11.6 | 7 | 190.5 | |
| D | MHS385 | 0.02 | 0.48 | 30.8 | 8 | 0.1 | 0.0097 | 0.02 | 0.51 | 16.9 | 5.9 | 0.014 | 16.5 | 31.7 | -0.002 | 0.03 | 1.34 | 1 | -999 | 11.6 | 1.04 | -0.05 | 7.5 | 0.629 | 1.9 | 36 | 9.3 | 12 | 133.5 | |
| D | MHS386 | 0.033 | 0.62 | 34.9 | 8.5 | 0.14 | 0.0074 | 0.03 | 0.51 | 15.9 | 10.5 | 0.014 | 43.6 | 51.8 | -0.002 | 0.04 | 1.26 | 1 | -999 | 12 | 1.15 | -0.05 | 8.8 | 0.538 | 2.3 | 49 | 10.6 | 20 | 136.5 | |
| D | MHS387 | 0.068 | 1.28 | 41 | 12 | 0.23 | 0.0064 | 0.03 | 0.59 | 19.8 | 17.2 | 0.012 | 38.5 | 79.9 | -0.002 | 0.01 | 1.82 | 1 | -999 | 14.2 | 1.39 | -0.05 | 15.2 | 0.692 | 3.4 | 93 | 14 | 23 | 174 | |
| D | MHS388 | 0.098 | 1.64 | 49.4 | 13.7 | 0.27 | 0.0058 | 0.03 | 0.77 | 24.6 | 20.6 | 0.014 | 67.4 | 98.4 | -0.002 | 0.01 | 3.42 | 1 | -999 | 14.6 | 1.68 | 0.06 | 17.5 | 0.906 | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|------------------|------|---------|------|------|-------|--------|---------|-----|-----|------|--------|-----|------|------|------|------|------|-------|------|------|------|------|-------|-----|-----|------|-----|------|--------------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | RYS005S_>1.6<3.2 | -999 | 0.0224 | -999 | -999 | 0.158 | 0.1315 | 0.1855 | 30 | | 1380 | 0.038 | 4 | -999 | -999 | 0.04 | -999 | -999 | 0.987 | -999 | -999 | -999 | -999 | 0.15 | 20 | 345 | -999 | 199 | -999 | |
| D | RYS005S_>3.2<4.8 | -999 | 0.0112 | -999 | -999 | 0.152 | 0.138 | 0.0771 | 50 | | 1220 | 0.034 | 3 | -999 | -999 | 0.04 | -999 | -999 | 0.844 | -999 | -999 | -999 | -999 | 0.122 | 10 | 297 | -999 | 189 | -999 | |
| D | RYS005S_>4.8<6.4 | -999 | 0.0108 | -999 | -999 | 0.153 | 0.1375 | 0.0625 | 60 | | 1120 | 0.0302 | -2 | -999 | -999 | 0.04 | -999 | -999 | 0.852 | -999 | -999 | -999 | -999 | 0.106 | 20 | 236 | -999 | 183 | -999 | |
| D | RYS005S_>6.4 | -999 | 0.0232 | -999 | -999 | 0.278 | 0.1815 | 0.1495 | 60 | | 1680 | 0.0249 | 2 | -999 | -999 | 0.06 | -999 | -999 | 1.07 | -999 | -999 | -999 | -999 | 0.093 | 10 | 152 | -999 | 274 | -999 | |
| D | RYS006 | -999 | -0.0008 | -999 | -999 | 0.246 | 0.1445 | 0.0115 | 110 | | 1260 | 0.0278 | 500 | -999 | -999 | 0.04 | -5 | -999 | 2.74 | -999 | -999 | -999 | -999 | 0.168 | -10 | 284 | -999 | 330 | -999 | |
| D | RYS007 | -999 | 0.784 | -999 | -999 | 0.282 | 0.0477 | 0.0402 | -10 | | 360 | 0.0138 | 180 | -999 | -999 | 0.04 | -5 | -999 | 26.9 | -999 | -999 | -999 | -999 | 0.374 | -10 | 90 | -999 | 20 | -999 | |
| D | RYS008 | -999 | 0.0175 | -999 | -999 | 0.495 | 0.0932 | 0.0391 | 80 | | 379 | 0.0601 | 360 | -999 | -999 | 0.08 | -5 | -999 | 9.12 | -999 | -999 | -999 | -999 | 0.447 | 30 | 343 | -999 | 390 | -999 | |
| D | RYS009 | -999 | 0.0071 | -999 | -999 | 0.306 | 0.1245 | 0.0238 | 70 | | 961 | 0.0247 | 500 | -999 | -999 | 0.07 | -5 | -999 | 5.53 | -999 | -999 | -999 | -999 | 0.288 | 20 | 360 | -999 | 360 | -999 | |
| D | RYS010 | -999 | 0.0035 | -999 | -999 | 0.257 | 0.1175 | 0.024 | 60 | | 913 | 0.0214 | 370 | -999 | -999 | 0.05 | -5 | -999 | 8.03 | -999 | -999 | -999 | -999 | 0.271 | 10 | 410 | -999 | 280 | -999 | |
| D | RYS011 | -999 | 0.005 | -999 | -999 | 0.237 | 0.1225 | 0.0107 | 70 | | 993 | 0.033 | 350 | -999 | -999 | 0.05 | -5 | -999 | 3.08 | -999 | -999 | -999 | -999 | 0.202 | -10 | 292 | -999 | 280 | -999 | |
| D | RYS012 | -999 | 0.0051 | -999 | -999 | 0.258 | 0.1065 | 0.0072 | 70 | | 987 | 0.0295 | 270 | -999 | -999 | 0.04 | -5 | -999 | 5.5 | -999 | -999 | -999 | -999 | 0.238 | -10 | 250 | -999 | 260 | -999 | |
| D | RYS013 | -999 | -0.0008 | -999 | -999 | 0.258 | 0.1365 | 0.0048 | 30 | | 1070 | 0.0344 | 220 | -999 | -999 | 0.05 | -5 | -999 | 2.87 | -999 | -999 | -999 | -999 | 0.196 | 10 | 188 | -999 | 270 | -999 | |
| D | RYS014 | -999 | 0.0063 | -999 | -999 | 0.319 | 0.1255 | 0.0227 | 30 | | 854 | 0.0263 | 480 | -999 | -999 | 0.05 | -5 | -999 | 4.11 | -999 | -999 | -999 | -999 | 0.228 | 10 | 308 | -999 | 340 | -999 | |
| D | RYS015 | -999 | 0.002 | -999 | -999 | 0.313 | 0.104 | 0.0156 | 80 | | 746 | 0.0289 | 400 | -999 | -999 | 0.09 | -5 | -999 | 3.88 | -999 | -999 | -999 | -999 | 0.245 | 10 | 398 | -999 | 340 | -999 | |
| D | RYS015S_<1.6 | -999 | 0.0462 | -999 | -999 | 0.437 | 0.0858 | 0.1705 | 70 | | 585 | 0.0368 | 4 | -999 | -999 | 0.06 | -999 | -999 | 8.03 | -999 | -999 | -999 | -999 | 0.399 | 20 | 447 | -999 | 298 | -999 | |
| D | RYS015S_>1.6<3.2 | -999 | 0.0247 | -999 | -999 | 0.144 | 0.0681 | 0.0655 | 50 | | 659 | 0.0429 | 6 | -999 | -999 | 0.06 | -999 | -999 | 1.575 | -999 | -999 | -999 | -999 | 0.208 | 20 | 471 | -999 | 165 | -999 | |
| D | RYS015S_>3.2<4.8 | -999 | 0.0321 | -999 | -999 | 0.177 | 0.074 | 0.446 | 80 | | 613 | 0.0394 | 3 | -999 | -999 | 0.06 | -999 | -999 | 1.695 | -999 | -999 | -999 | -999 | 0.198 | -10 | 425 | -999 | 169 | -999 | |
| D | RYS015S_>4.8<6.4 | -999 | 0.0184 | -999 | -999 | 0.186 | 0.0775 | 0.201 | 70 | | 630 | 0.0353 | 4 | -999 | -999 | 0.06 | -999 | -999 | 1.79 | -999 | -999 | -999 | -999 | 0.186 | -10 | 362 | -999 | 183 | -999 | |
| D | RYS015S_>6.4 | -999 | 0.0217 | -999 | -999 | 0.21 | 0.091 | 0.323 | 80 | | 701 | 0.0322 | -2 | -999 | -999 | 0.11 | -999 | -999 | 2.88 | -999 | -999 | -999 | -999 | 0.237 | 10 | 335 | -999 | 199 | -999 | |
| D | RYS016 | -999 | 0.0089 | -999 | -999 | 0.203 | 0.0643 | 0.0081 | 80 | | 734 | 0.0351 | 390 | -999 | -999 | 0.09 | -5 | -999 | 2.85 | -999 | -999 | -999 | -999 | 0.174 | 20 | 214 | -999 | 220 | -999 | |
| D | RYS018S_<1.6 | -999 | 0.046 | -999 | -999 | 0.476 | 0.0584 | 0.472 | 50 | | 677 | 0.0374 | 3 | -999 | -999 | 0.06 | -999 | -999 | 3.52 | -999 | -999 | -999 | -999 | 0.245 | 40 | 283 | -999 | 263 | -999 | |
| D | RYS018S_>1.6<3.2 | -999 | 0.0111 | -999 | -999 | 0.112 | 0.0412 | 0.0954 | 60 | | 773 | 0.0442 | 6 | -999 | -999 | 0.06 | -999 | -999 | 1.035 | -999 | -999 | -999 | -999 | 0.212 | -10 | 253 | -999 | 109 | -999 | |
| D | RYS018S_>3.2<4.8 | -999 | 0.0088 | -999 | -999 | 0.133 | 0.048 | 0.1015 | 50 | | 825 | 0.0375 | -2 | -999 | -999 | 0.06 | -999 | -999 | 1.315 | -999 | -999 | -999 | -999 | 0.194 | 20 | 210 | -999 | 116 | -999 | |
| D | RYS018S_>4.8<6.4 | -999 | 0.0146 | -999 | -999 | 0.163 | 0.0525 | 0.124 | 60 | | 880 | 0.0283 | -2 | -999 | -999 | 0.07 | -999 | -999 | 2.15 | -999 | -999 | -999 | -999 | 0.217 | 10 | 154 | -999 | 150 | -999 | |
| D | RYS018S_>6.4 | -999 | 0.0114 | -999 | -999 | 0.2 | 0.0566 | 0.0988 | 40 | | 735 | 0.0211 | -2 | -999 | -999 | 0.1 | -999 | -999 | 3.19 | -999 | -999 | -999 | -999 | 0.252 | 30 | 170 | -999 | 182 | -999 | |
| D | RYS019 | -999 | -0.0008 | -999 | -999 | 0.166 | 0.0765 | 0.0062 | 100 | | 1010 | 0.0504 | 520 | -999 | -999 | 0.04 | -5 | -999 | 1.16 | -999 | -999 | -999 | -999 | 0.194 | 20 | 238 | -999 | 230 | -999 | |
| D | RYS020 | -999 | -0.0008 | -999 | -999 | 0.166 | 0.108 | 0.0116 | 130 | | 887 | 0.047 | 630 | -999 | -999 | 0.04 | -5 | -999 | 1.04 | -999 | -999 | -999 | -999 | 0.194 | -10 | 295 | -999 | 270 | -999 | |
| D | RYS024S_<1.6 | -999 | 0.0254 | -999 | -999 | 0.762 | 0.0489 | 0.0219 | 40 | | 525 | 0.02 | 6 | -999 | -999 | 0.05 | -999 | -999 | 7.56 | -999 | -999 | -999 | -999 | 0.247 | 10 | 268 | -999 | 294 | -999 | Cr >6.8% ULD |
| D | RYS024S_>1.6<3.2 | -999 | 0.0125 | -999 | -999 | 0.123 | 0.0134 | 0.0546 | 60 | | 445 | 0.0292 | 4 | -999 | -999 | 0.06 | -999 | -999 | 1.74 | -999 | -999 | -999 | -999 | 0.214 | 30 | 224 | -999 | 55 | -999 | |
| D | RYS024S_>3.2<4.8 | -999 | 0.0146 | -999 | -999 | 0.14 | 0.0152 | 0.166 | 70 | | 612 | 0.0229 | 3 | -999 | -999 | 0.07 | -999 | -999 | 1.855 | -999 | -999 | -999 | -999 | 0.184 | 10 | 176 | -999 | 61 | -999 | |
| D | RYS024S_>4.8<6.4 | -999 | 0.0172 | -999 | -999 | 0.172 | 0.0168 | 0.0889 | 70 | | 591 | 0.0262 | -2 | -999 | -999 | 0.06 | -999 | -999 | 2.55 | -999 | -999 | -999 | -999 | 0.204 | 20 | 141 | -999 | 82 | -999 | |
| D | RYS024S_>6.4 | -999 | 0.0118 | -999 | -999 | 0.152 | 0.0145 | 0.0983 | 70 | | 523 | 0.0164 | -2 | -999 | -999 | 0.08 | -999 | -999 | 2.38 | -999 | -999 | -999 | -999 | 0.169 | 10 | 102 | -999 | 64 | -999 | |
| D | RYS028 | -999 | 0.0331 | -999 | -999 | 0.356 | 0.618 | 0.125 | 140 | | 2620 | 0.0267 | 90 | -999 | -999 | 0.07 | -5 | -999 | 3.44 | -999 | -999 | -999 | -999 | 0.219 | -10 | 61 | -999 | 320 | -999 | |
| D | RYS029 | -999 | 0.0031 | -999 | -999 | 0.173 | 0.1125 | -0.0007 | 80 | | 1100 | 0.0267 | -10 | -999 | -999 | 0.05 | -5 | -999 | 2.06 | -999 | -999 | -999 | -999 | 0.142 | 30 | 21 | -999 | 80 | -999 | |
| D | RYS030 | -999 | -0.0008 | -999 | -999 | 0.181 | 0.0664 | 0.0097 | 100 | | 1140 | 0.0353 | 540 | -999 | -999 | 0.05 | -5 | -999 | 1.46 | -999 | -999 | -999 | -999 | 0.189 | -10 | 222 | -999 | 210 | -999 | |
| D | RYS031 | -999 | -0.0008 | -999 | -999 | 0.182 | 0.0607 | 0.0009 | 100 | | 1280 | 0.0316 | 530 | -999 | -999 | 0.06 | -5 | -999 | 1.075 | -999 | -999 | -999 | -999 | 0.154 | -10 | 194 | -999 | 240 | -999 | |
| D | RYS031S_<1.6 | -999 | 0.0204 | -999 | -999 | 0.288 | 0.0909 | 0.0503 | 10 | | 1150 | 0.0381 | 3 | -999 | -999 | 0.05 | -999 | -999 | 5.66 | -999 | -999 | -999 | -999 | 0.302 | 30 | 288 | -999 | 243 | -999 | |
| D | RYS031S_>1.6<3.2 | -999 | 0.0104 | -999 | -999 | 0.11 | 0.0755 | 0.0579 | 90 | | 1370 | 0.0444 | 7 | -999 | -999 | 0.05 | -999 | -999 | 0.693 | -999 | -999 | -999 | -999 | 0.158 | 10 | 279 | -999 | 137 | -999 | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|------------------|------|---------|------|------|-------|--------|---------|-----|-----|------|--------|-----|------|------|------|------|------|-------|------|------|------|------|-------|-----|-----|------|-----|------|--------------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | RYS031S_>3.2<4.8 | -999 | 0.0031 | -999 | -999 | 0.123 | 0.0834 | 0.0451 | 70 | | 1490 | 0.0358 | 2 | -999 | -999 | 0.05 | -999 | -999 | 0.779 | -999 | -999 | -999 | -999 | 0.137 | 20 | 240 | -999 | 142 | -999 | |
| D | RYS031S_>4.8<6.4 | -999 | 0.0063 | -999 | -999 | 0.164 | 0.0898 | 0.0627 | 80 | | 1460 | 0.0303 | 2 | -999 | -999 | 0.05 | -999 | -999 | 1.24 | -999 | -999 | -999 | -999 | 0.14 | -10 | 217 | -999 | 151 | -999 | |
| D | RYS031S_>6.4 | -999 | 0.0096 | -999 | -999 | 0.173 | 0.1035 | 0.133 | 60 | | 1630 | 0.0248 | 2 | -999 | -999 | 0.07 | -999 | -999 | 1.845 | -999 | -999 | -999 | -999 | 0.178 | 20 | 192 | -999 | 162 | -999 | |
| D | RYS032 | -999 | 0.0037 | -999 | -999 | 0.178 | 0.0681 | 0.0067 | 110 | | 938 | 0.0422 | 530 | -999 | -999 | 0.04 | -5 | -999 | 1.27 | -999 | -999 | -999 | -999 | 0.172 | -10 | 220 | -999 | 240 | -999 | |
| D | RYS036 | -999 | -0.0008 | -999 | -999 | 0.304 | 0.1235 | 0.0201 | 90 | | 945 | 0.0198 | 440 | -999 | -999 | 0.06 | -5 | -999 | 4.67 | -999 | -999 | -999 | -999 | 0.289 | -10 | 120 | -999 | 370 | -999 | |
| D | RYS040 | -999 | -0.0008 | -999 | -999 | 0.176 | 0.124 | 0.0098 | 90 | | 735 | 0.0372 | 470 | -999 | -999 | 0.04 | -5 | -999 | 2.22 | -999 | -999 | -999 | -999 | 0.227 | -10 | 208 | -999 | 240 | -999 | |
| D | RYS040S_<1.6 | -999 | 0.0162 | -999 | -999 | 0.188 | 0.113 | 0.0504 | 80 | | 811 | 0.045 | -2 | -999 | -999 | 0.04 | -999 | -999 | 2.16 | -999 | -999 | -999 | -999 | 0.242 | 20 | 262 | -999 | 313 | -999 | |
| D | RYS040S_>1.6<3.2 | -999 | 0.0089 | -999 | -999 | 0.099 | 0.111 | 0.0504 | 90 | | 829 | 0.0473 | 3 | -999 | -999 | 0.04 | -999 | -999 | 0.556 | -999 | -999 | -999 | -999 | 0.168 | -10 | 246 | -999 | 159 | -999 | |
| D | RYS040S_>3.2<4.8 | -999 | 0.0024 | -999 | -999 | 0.101 | 0.119 | 0.044 | 70 | | 849 | 0.0396 | -2 | -999 | -999 | 0.04 | -999 | -999 | 0.568 | -999 | -999 | -999 | -999 | 0.139 | 10 | 194 | -999 | 153 | -999 | |
| D | RYS040S_>4.8<6.4 | -999 | 0.0013 | -999 | -999 | 0.118 | 0.121 | 0.044 | 70 | | 784 | 0.0351 | 4 | -999 | -999 | 0.04 | -999 | -999 | 1.035 | -999 | -999 | -999 | -999 | 0.15 | 10 | 187 | -999 | 158 | -999 | |
| D | RYS040S_>6.4 | -999 | 0.0012 | -999 | -999 | 0.17 | 0.1495 | 0.0465 | 70 | | 1350 | 0.0223 | 3 | -999 | -999 | 0.07 | -999 | -999 | 1.195 | -999 | -999 | -999 | -999 | 0.126 | 10 | 139 | -999 | 230 | -999 | |
| D | RYS041 | -999 | -0.0008 | -999 | -999 | 0.148 | 0.175 | -0.0007 | 90 | | 694 | 0.0394 | 530 | -999 | -999 | 0.04 | -5 | -999 | 1.035 | -999 | -999 | -999 | -999 | 0.177 | -10 | 207 | -999 | 270 | -999 | |
| D | RYS042 | -999 | -0.0008 | -999 | -999 | 0.276 | 0.148 | 0.01 | 110 | | 678 | 0.0428 | 570 | -999 | -999 | 0.05 | -5 | -999 | 1.575 | -999 | -999 | -999 | -999 | 0.203 | -10 | 237 | -999 | 260 | -999 | |
| D | RYS043 | -999 | -0.0008 | -999 | -999 | 0.204 | 0.268 | 0.0176 | 50 | | 1290 | 0.0271 | 360 | -999 | -999 | 0.05 | -5 | -999 | 2.89 | -999 | -999 | -999 | -999 | 0.212 | 10 | 81 | -999 | 370 | -999 | |
| D | RYS044 | -999 | 0.009 | -999 | -999 | 0.195 | 0.254 | 0.0067 | 110 | | 1010 | 0.0323 | 470 | -999 | -999 | 0.05 | -5 | -999 | 2.22 | -999 | -999 | -999 | -999 | 0.206 | -10 | 148 | -999 | 360 | -999 | |
| D | RYS045 | -999 | -0.0008 | -999 | -999 | 0.154 | 0.197 | 0.0063 | 80 | | 740 | 0.0429 | 500 | -999 | -999 | 0.04 | -5 | -999 | 1.28 | -999 | -999 | -999 | -999 | 0.163 | -10 | 165 | -999 | 310 | -999 | |
| D | RYS046 | -999 | -0.0008 | -999 | -999 | 0.219 | 0.111 | -0.0007 | 110 | | 1190 | 0.0269 | 430 | -999 | -999 | 0.07 | -5 | -999 | 1.92 | -999 | -999 | -999 | -999 | 0.203 | 10 | 134 | -999 | 280 | -999 | |
| D | RYS047 | -999 | -0.0008 | -999 | -999 | 0.196 | 0.111 | 0.0076 | 70 | | 1225 | 0.0268 | 430 | -999 | -999 | 0.06 | -5 | -999 | 1.935 | -999 | -999 | -999 | -999 | 0.193 | 10 | 130 | -999 | 260 | -999 | |
| D | RYS048 | -999 | 0.0114 | -999 | -999 | 7.34 | 1.195 | 0.0059 | 30 | | 9580 | 0.0073 | 310 | -999 | -999 | 0.02 | -5 | -999 | 6.65 | -999 | -999 | -999 | -999 | 0.02 | 30 | 25 | -999 | 400 | -999 | |
| D | RYS049 | -999 | -0.0008 | -999 | -999 | 0.158 | 0.1325 | 0.0037 | 70 | | 618 | 0.0354 | 500 | -999 | -999 | 0.03 | -5 | -999 | 1.25 | -999 | -999 | -999 | -999 | 0.186 | -10 | 249 | -999 | 280 | -999 | |
| D | RYS050 | -999 | -0.0008 | -999 | -999 | 0.138 | 0.144 | 0.0028 | 70 | | 704 | 0.0376 | 460 | -999 | -999 | 0.05 | -5 | -999 | 1.1 | -999 | -999 | -999 | -999 | 0.154 | 10 | 218 | -999 | 280 | -999 | |
| D | RYS051 | -999 | -0.0008 | -999 | -999 | 0.194 | 0.172 | -0.0007 | 70 | | 884 | 0.0359 | 480 | -999 | -999 | 0.05 | -5 | -999 | 1.33 | -999 | -999 | -999 | -999 | 0.146 | -10 | 146 | -999 | 260 | -999 | |
| D | RYS051S_<1.6 | -999 | 0.0215 | -999 | -999 | 0.14 | 0.157 | 0.0499 | 70 | | 900 | 0.0409 | -2 | -999 | -999 | 0.07 | -999 | -999 | 3.11 | -999 | -999 | -999 | -999 | 0.212 | 20 | 148 | -999 | 203 | -999 | |
| D | RYS051S_>1.6<3.2 | -999 | 0.0091 | -999 | -999 | 0.094 | 0.165 | 0.0365 | 60 | | 1010 | 0.0386 | 7 | -999 | -999 | 0.06 | -999 | -999 | 0.54 | -999 | -999 | -999 | -999 | 0.122 | 10 | 156 | -999 | 189 | -999 | |
| D | RYS051S_>3.2<4.8 | -999 | 0.0087 | -999 | -999 | 0.099 | 0.177 | 0.0842 | 50 | | 1170 | 0.0323 | -2 | -999 | -999 | 0.07 | -999 | -999 | 0.604 | -999 | -999 | -999 | -999 | 0.106 | 20 | 128 | -999 | 222 | -999 | |
| D | RYS051S_>4.8<6.4 | -999 | 0.0055 | -999 | -999 | 0.105 | 0.182 | 0.0375 | 70 | | 1180 | 0.0293 | -2 | -999 | -999 | 0.07 | -999 | -999 | 0.717 | -999 | -999 | -999 | -999 | 0.116 | 20 | 118 | -999 | 242 | -999 | |
| D | RYS051S_>6.4 | -999 | 0.0037 | -999 | -999 | 0.106 | 0.211 | 0.0311 | 50 | | 1320 | 0.0258 | -2 | -999 | -999 | 0.08 | -999 | -999 | 0.609 | -999 | -999 | -999 | -999 | 0.099 | 20 | 92 | -999 | 245 | -999 | |
| D | RYS052 | -999 | -0.0008 | -999 | -999 | 0.146 | 0.1545 | 0.0034 | 60 | | 1065 | 0.0379 | 400 | -999 | -999 | 0.05 | -5 | -999 | 1.91 | -999 | -999 | -999 | -999 | 0.166 | 10 | 154 | -999 | 310 | -999 | |
| D | RYS053 | -999 | 0.0014 | -999 | -999 | 0.204 | 0.3 | 0.0037 | 50 | | 2090 | 0.0152 | 490 | -999 | -999 | 0.08 | -5 | -999 | 0.613 | -999 | -999 | -999 | -999 | 0.072 | -10 | 65 | -999 | 570 | -999 | |
| D | RYS054 | -999 | 0.0739 | -999 | -999 | 0.404 | 6.74 | 0.0438 | -10 | | 610 | 0.0139 | 350 | -999 | -999 | 0.04 | -5 | -999 | 0.9 | -999 | -999 | -999 | -999 | 0.048 | -10 | 29 | -999 | 410 | -999 | |
| D | RYS055 | -999 | 0.0216 | -999 | -999 | 0.915 | 1.925 | 0.02 | 80 | | 6190 | 0.028 | 370 | -999 | -999 | 0.04 | -5 | -999 | 2.58 | -999 | -999 | -999 | -999 | 0.126 | -10 | 68 | -999 | 380 | -999 | |
| D | RYS057 | -999 | 0.0416 | -999 | -999 | 0.557 | 0.324 | 0.0096 | 70 | | 16 | 0.0154 | 300 | -999 | -999 | 0.01 | -5 | -999 | 5.8 | -999 | -999 | -999 | -999 | 0.331 | -10 | 93 | -999 | 400 | -999 | |
| D | RYS058 | -999 | -0.0008 | -999 | -999 | 0.12 | 0.1365 | 0.0126 | 120 | | 3130 | 0.0371 | 590 | -999 | -999 | 0.11 | -5 | -999 | 1.165 | -999 | -999 | -999 | -999 | 0.198 | -10 | 274 | -999 | 260 | -999 | |
| D | RYS059 | -999 | -0.0008 | -999 | -999 | 0.118 | 0.0797 | 0.0145 | -10 | | 583 | 0.0356 | 470 | -999 | -999 | 0.04 | -5 | -999 | 1.39 | -999 | -999 | -999 | -999 | 0.198 | 20 | 252 | -999 | 220 | -999 | |
| D | RYS060 | -999 | -0.0008 | -999 | -999 | 0.171 | 0.0836 | 0.0086 | 100 | | 392 | 0.0447 | 320 | -999 | -999 | 0.03 | -5 | -999 | 0.891 | -999 | -999 | -999 | -999 | 0.194 | -10 | 228 | -999 | 190 | -999 | |
| D | RYS061S_<1.6 | -999 | 0.0336 | -999 | -999 | 0.528 | 0.0915 | 0.0515 | 60 | | 1420 | 0.022 | 4 | -999 | -999 | 0.04 | -999 | -999 | 4.87 | -999 | -999 | -999 | -999 | 0.304 | 30 | 151 | -999 | 523 | -999 | Cr >6.8% ULD |
| D | RYS061S_>1.6<3.2 | -999 | 0.0314 | -999 | -999 | 0.184 | 0.0706 | 0.0402 | 60 | | 1250 | 0.0262 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.395 | -999 | -999 | -999 | -999 | 0.164 | 30 | 108 | -999 | 231 | -999 | |
| D | RYS061S_>3.2<4.8 | -999 | 0.0133 | -999 | -999 | 0.166 | 0.0675 | 0.0331 | 70 | | 1150 | 0.0244 | 3 | -999 | -999 | 0.03 | -999 | -999 | 1.08 | -999 | -999 | -999 | -999 | 0.155 | 20 | 104 | -999 | 209 | -999 | |
| D | RYS061S_>4.8<6.4 | -999 | 0.0122 | -999 | -999 | 0.16 | 0.0755 | 0.034 | 40 | | 1070 | 0.0239 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.305 | -999 | -999 | -999 | -999 | 0.168 | 10 | 102 | -999 | 210 | -999 | |
| D | RYS061S_>6.4 | -999 | 0.0083 | -999 | -999 | 0.17 | 0.0757 | 0.036 | 60 | | 1040 | 0.0205 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.13 | -999 | -999 | -999 | -999 | 0.162 | 20 | 89 | -999 | 223 | -999 | |
| D | RYS066 | -999 | -0.0008 | -999 | -999 | 0.124 | 0.1245 | 0.013 | 50 | | 534 | 0.028 | 420 | -999 | -999 | 0.04 | -5 | -999 | 2.26 | -999 | -999 | -999 | -999 | 0.204 | -10 | 139 | -999 | 250 | -999 | |
| D | RYS067 | -999 | -0.0008 | -999 | -999 | 0.121 | 0.1705 | 0.0127 | 90 | | 631 | 0.023 | 450 | -999 | -999 | 0.05 | -5 | -999 | 1.465 | -999 | -999 | -999 | -999 | 0.151 | -10 | 117 | -999 | 300 | -999 | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|------------------|------|---------|------|------|-------|--------|---------|-----|-----|------|--------|-----|------|------|------|------|------|-------|------|------|------|------|-------|-----|-----|------|-----|------|--------------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | RYS067S_<1.6 | -999 | -0.0008 | -999 | -999 | 0.107 | 0.216 | 0.0407 | 70 | | 1180 | 0.0256 | -2 | -999 | -999 | 0.05 | -999 | -999 | 1.45 | -999 | -999 | -999 | -999 | 0.117 | -10 | 136 | -999 | 267 | -999 | |
| D | RYS067S_>1.6<3.2 | -999 | -0.0008 | -999 | -999 | 0.036 | 0.197 | -0.0007 | 70 | | 1090 | 0.025 | -2 | -999 | -999 | 0.05 | -999 | -999 | 0.444 | -999 | -999 | -999 | -999 | 0.082 | 20 | 137 | -999 | 219 | -999 | |
| D | RYS067S_>3.2<4.8 | -999 | -0.0008 | -999 | -999 | 0.053 | 0.216 | 0.0452 | 60 | | 1200 | 0.0215 | -2 | -999 | -999 | 0.05 | -999 | -999 | 0.615 | -999 | -999 | -999 | -999 | 0.081 | 20 | 105 | -999 | 234 | -999 | |
| D | RYS067S_>4.8<6.4 | -999 | -0.0008 | -999 | -999 | 0.054 | 0.244 | 0.0407 | 50 | | 1290 | 0.016 | -2 | -999 | -999 | 0.06 | -999 | -999 | 0.592 | -999 | -999 | -999 | -999 | 0.06 | 20 | 75 | -999 | 234 | -999 | |
| D | RYS067S_>6.4 | -999 | 0.0025 | -999 | -999 | 0.097 | 0.236 | -0.0007 | 40 | | 1320 | 0.015 | -2 | -999 | -999 | 0.06 | -999 | -999 | 1.2 | -999 | -999 | -999 | -999 | 0.087 | 20 | 93 | -999 | 292 | -999 | |
| D | RYS068 | -999 | -0.0008 | -999 | -999 | 0.118 | 0.1085 | 0.0031 | 120 | | 604 | 0.0333 | 330 | -999 | -999 | 0.05 | -5 | -999 | 1.475 | -999 | -999 | -999 | -999 | 0.2 | -10 | 176 | -999 | 230 | -999 | |
| D | RYS069 | -999 | -0.0008 | -999 | -999 | 0.29 | 0.0857 | 0.0205 | 130 | | 781 | 0.0222 | 340 | -999 | -999 | 0.05 | -5 | -999 | 4.8 | -999 | -999 | -999 | -999 | 0.35 | -10 | 133 | -999 | 360 | -999 | |
| D | RYS075 | -999 | 0.0008 | -999 | -999 | 0.151 | 0.243 | 0.0086 | 70 | | 1195 | 0.0204 | 270 | -999 | -999 | 0.05 | -5 | -999 | 1.88 | -999 | -999 | -999 | -999 | 0.151 | -10 | 64 | -999 | 370 | -999 | |
| D | RYS076 | -999 | 0.0017 | -999 | -999 | 0.192 | 0.285 | 0.0099 | 90 | | 2000 | 0.0168 | 330 | -999 | -999 | 0.12 | -5 | -999 | 1.06 | -999 | -999 | -999 | -999 | 0.142 | -10 | 45 | -999 | 400 | -999 | |
| D | RYS077 | -999 | 0.262 | -999 | -999 | 0.274 | 6.49 | 0.0575 | 10 | | 5450 | 0.0134 | 220 | -999 | -999 | 0.12 | -5 | -999 | 8.52 | -999 | -999 | -999 | -999 | 0.037 | 20 | 11 | -999 | 270 | -999 | |
| D | RYS078 | -999 | 0.0264 | -999 | -999 | 0.682 | 1.815 | 0.0183 | 10 | | 3370 | 0.0285 | 260 | -999 | -999 | 0.04 | -5 | -999 | 6.15 | -999 | -999 | -999 | -999 | 0.136 | 20 | 37 | -999 | 400 | -999 | |
| D | RYS079 | -999 | 0.0127 | -999 | -999 | 0.364 | 0.413 | 0.0106 | 60 | | 1885 | 0.0187 | 310 | -999 | -999 | 0.07 | -5 | -999 | 3.09 | -999 | -999 | -999 | -999 | 0.141 | -10 | 55 | -999 | 380 | -999 | |
| D | RYS080 | -999 | 0.0104 | -999 | -999 | 0.343 | 0.491 | 0.0023 | 90 | | 2030 | 0.028 | 190 | -999 | -999 | 0.08 | -5 | -999 | 2.88 | -999 | -999 | -999 | -999 | 0.168 | -10 | 51 | -999 | 310 | -999 | |
| D | RYS085S_<1.6 | -999 | 0.0332 | -999 | -999 | 0.626 | 0.0916 | 0.0563 | 40 | | 580 | 0.0204 | -2 | -999 | -999 | 0.04 | -999 | -999 | 14.15 | -999 | -999 | -999 | -999 | 0.255 | 30 | 257 | -999 | 327 | -999 | Cr >6.8% ULD |
| D | RYS085S_>1.6<3.2 | -999 | 0.0193 | -999 | -999 | 0.104 | 0.0843 | 0.1775 | 80 | | 887 | 0.0313 | 2 | -999 | -999 | 0.06 | -999 | -999 | 1.7 | -999 | -999 | -999 | -999 | 0.16 | 20 | 320 | -999 | 170 | -999 | |
| D | RYS085S_>3.2<4.8 | -999 | 0.0132 | -999 | -999 | 0.102 | 0.0837 | 0.101 | 80 | | 895 | 0.0278 | -2 | -999 | -999 | 0.06 | -999 | -999 | 1.315 | -999 | -999 | -999 | -999 | 0.142 | 30 | 269 | -999 | 163 | -999 | |
| D | RYS085S_>4.8<6.4 | -999 | 0.0072 | -999 | -999 | 0.101 | 0.103 | 0.0563 | 90 | | 1030 | 0.0261 | -2 | -999 | -999 | 0.07 | -999 | -999 | 1.255 | -999 | -999 | -999 | -999 | 0.122 | -10 | 240 | -999 | 205 | -999 | |
| D | RYS085S_>6.4 | -999 | 0.0054 | -999 | -999 | 0.114 | 0.1075 | 0.0367 | 50 | | 1090 | 0.0232 | -2 | -999 | -999 | 0.08 | -999 | -999 | 1.46 | -999 | -999 | -999 | -999 | 0.119 | 30 | 176 | -999 | 194 | -999 | |
| D | RYS090S_<1.6 | -999 | 0.035 | -999 | -999 | 0.77 | 0.0757 | -0.0007 | 40 | | 167 | 0.0152 | -2 | -999 | -999 | 0.04 | -999 | -999 | 17.35 | -999 | -999 | -999 | -999 | 0.36 | 10 | 284 | -999 | 371 | -999 | Cr >6.8% ULD |
| D | RYS090S_>1.6<3.2 | -999 | 0.0095 | -999 | -999 | 0.075 | 0.0379 | -0.0007 | 60 | | 362 | 0.029 | 3 | -999 | -999 | 0.08 | -999 | -999 | 1.54 | -999 | -999 | -999 | -999 | 0.14 | 20 | 327 | -999 | 110 | -999 | |
| D | RYS090S_>3.2<4.8 | -999 | 0.0043 | -999 | -999 | 0.093 | 0.0581 | 0.034 | -10 | | 573 | 0.0279 | 7 | -999 | -999 | 0.07 | -999 | -999 | 1.3 | -999 | -999 | -999 | -999 | 0.13 | 50 | 268 | -999 | 134 | -999 | |
| D | RYS090S_>4.8<6.4 | -999 | 0.0029 | -999 | -999 | 0.135 | 0.0708 | 0.0448 | 40 | | 582 | 0.0253 | 6 | -999 | -999 | 0.07 | -999 | -999 | 1.705 | -999 | -999 | -999 | -999 | 0.131 | 30 | 256 | -999 | 154 | -999 | |
| D | RYS090S_>6.4 | -999 | 0.0023 | -999 | -999 | 0.15 | 0.0955 | 0.0316 | 70 | | 1300 | 0.0185 | 5 | -999 | -999 | 0.13 | -999 | -999 | 1.51 | -999 | -999 | -999 | -999 | 0.106 | 10 | 180 | -999 | 193 | -999 | |
| D | RYS095 | -999 | 0.0008 | -999 | -999 | 0.173 | 0.0731 | 0.019 | 110 | | 409 | 0.021 | 380 | -999 | -999 | 0.04 | -5 | -999 | 4.41 | -999 | -999 | -999 | -999 | 0.246 | -10 | 317 | -999 | 170 | -999 | |
| D | RYS096 | -999 | 0.0077 | -999 | -999 | 0.2 | 0.08 | 0.023 | 110 | | 596 | 0.0157 | 270 | -999 | -999 | 0.04 | -5 | -999 | 10.25 | -999 | -999 | -999 | -999 | 0.329 | -10 | 307 | -999 | 220 | -999 | |
| D | RYS097 | -999 | 0.0018 | -999 | -999 | 0.201 | 0.1475 | 0.0054 | 90 | | 1060 | 0.026 | 330 | -999 | -999 | 0.04 | -5 | -999 | 2.65 | -999 | -999 | -999 | -999 | 0.2 | -10 | 197 | -999 | 290 | -999 | |
| D | RYS098 | -999 | -0.0008 | -999 | -999 | 0.13 | 0.0896 | 0.0031 | 90 | | 678 | 0.0282 | 380 | -999 | -999 | 0.03 | -5 | -999 | 1.325 | -999 | -999 | -999 | -999 | 0.168 | -10 | 341 | -999 | 220 | -999 | |
| D | RYS099 | -999 | 0.019 | -999 | -999 | 0.265 | 0.0818 | 0.0248 | 80 | | 551 | 0.0148 | 220 | -999 | -999 | 0.05 | -5 | -999 | 10.5 | -999 | -999 | -999 | -999 | 0.427 | -10 | 226 | -999 | 250 | -999 | |
| D | RYS100 | -999 | 0.1415 | -999 | -999 | 0.239 | 0.0298 | 0.0474 | 100 | | 243 | 0.0106 | 110 | -999 | -999 | 0.03 | -5 | -999 | 29 | -999 | -999 | -999 | -999 | 0.402 | -10 | 140 | -999 | 40 | -999 | |
| D | RYS101 | -999 | 0.183 | -999 | -999 | 0.473 | 0.041 | 0.0786 | 80 | | 123 | 0.0057 | 50 | -999 | -999 | 0.02 | -5 | -999 | 37.6 | -999 | -999 | -999 | -999 | 0.403 | -10 | 99 | -999 | 70 | -999 | |
| D | RYS103S_<1.6 | -999 | 0.0195 | -999 | -999 | 0.492 | 0.101 | 0.0457 | 60 | | 516 | 0.0245 | -2 | -999 | -999 | 0.04 | -999 | -999 | 11.1 | -999 | -999 | -999 | -999 | 0.255 | 10 | 294 | -999 | 277 | -999 | |
| D | RYS103S_>1.6<3.2 | -999 | 0.0077 | -999 | -999 | 0.072 | 0.0945 | 0.0408 | 70 | | 672 | 0.0344 | 2 | -999 | -999 | 0.05 | -999 | -999 | 0.764 | -999 | -999 | -999 | -999 | 0.169 | 20 | 306 | -999 | 136 | -999 | |
| D | RYS103S_>3.2<4.8 | -999 | 0.003 | -999 | -999 | 0.085 | 0.104 | 0.0375 | 70 | | 772 | 0.0284 | -2 | -999 | -999 | 0.06 | -999 | -999 | 0.97 | -999 | -999 | -999 | -999 | 0.142 | 20 | 240 | -999 | 168 | -999 | |
| D | RYS103S_>4.8<6.4 | -999 | 0.0038 | -999 | -999 | 0.122 | 0.1105 | 0.0511 | 60 | | 763 | 0.0245 | 5 | -999 | -999 | 0.05 | -999 | -999 | 1.275 | -999 | -999 | -999 | -999 | 0.138 | 20 | 201 | -999 | 178 | -999 | |
| D | RYS103S_>6.4 | -999 | 0.0016 | -999 | -999 | 0.233 | 0.133 | 0.0339 | 60 | | 1430 | 0.018 | 3 | -999 | -999 | 0.09 | -999 | -999 | 2.12 | -999 | -999 | -999 | -999 | 0.133 | 30 | 170 | -999 | 283 | -999 | |
| D | RYS109S_<1.6 | -999 | 0.0236 | -999 | -999 | 0.221 | 0.0468 | 0.0334 | 40 | | 444 | 0.0312 | -2 | -999 | -999 | 0.05 | -999 | -999 | 6.73 | -999 | -999 | -999 | -999 | 0.189 | 30 | 228 | -999 | 180 | -999 | |
| D | RYS109S_>1.6<3.2 | -999 | 0.0067 | -999 | -999 | 0.06 | 0.0527 | 0.0375 | 60 | | 532 | 0.0389 | 3 | -999 | -999 | 0.04 | -999 | -999 | 1.635 | -999 | -999 | -999 | -999 | 0.156 | -10 | 256 | -999 | 113 | -999 | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|------------------|------|---------|------|------|-------|--------|--------|-----|-----|------|--------|-----|------|------|------|------|------|-------|------|------|------|------|-------|-----|-----|------|-----|------|--------------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | RYS109S_>3.2<4.8 | -999 | 0.0044 | -999 | -999 | 0.066 | 0.059 | 0.0377 | 60 | | 535 | 0.0346 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.605 | -999 | -999 | -999 | -999 | 0.132 | 10 | 225 | -999 | 115 | -999 | |
| D | RYS109S_>4.8<6.4 | -999 | 0.0041 | -999 | -999 | 0.102 | 0.0758 | 0.039 | 50 | | 544 | 0.0288 | 2 | -999 | -999 | 0.03 | -999 | -999 | 2.45 | -999 | -999 | -999 | -999 | 0.128 | 30 | 195 | -999 | 130 | -999 | |
| D | RYS109S_>6.4 | -999 | 0.01 | -999 | -999 | 0.136 | 0.0723 | 0.1755 | -10 | | 630 | 0.0258 | -2 | -999 | -999 | 0.05 | -999 | -999 | 2.84 | -999 | -999 | -999 | -999 | 0.134 | 40 | 186 | -999 | 155 | -999 | |
| D | RYS115S_<1.6 | -999 | 0.0142 | -999 | -999 | 0.172 | 0.024 | 0.049 | 80 | | 479 | 0.0374 | 2 | -999 | -999 | 0.04 | -999 | -999 | 2.61 | -999 | -999 | -999 | -999 | 0.176 | -10 | 261 | -999 | 97 | -999 | |
| D | RYS115S_>1.6<3.2 | -999 | 0.0071 | -999 | -999 | 0.047 | 0.0182 | 0.0444 | 70 | | 490 | 0.0392 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.045 | -999 | -999 | -999 | -999 | 0.14 | 30 | 254 | -999 | 52 | -999 | |
| D | RYS115S_>3.2<4.8 | -999 | 0.0025 | -999 | -999 | 0.06 | 0.0215 | 0.0437 | 70 | | 536 | 0.0325 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.275 | -999 | -999 | -999 | -999 | 0.117 | -10 | 208 | -999 | 56 | -999 | |
| D | RYS115S_>4.8<6.4 | -999 | 0.0031 | -999 | -999 | 0.092 | 0.0282 | 0.0373 | 60 | | 635 | 0.0281 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.96 | -999 | -999 | -999 | -999 | 0.117 | 20 | 186 | -999 | 75 | -999 | |
| D | RYS115S_>6.4 | -999 | -0.0008 | -999 | -999 | 0.108 | 0.0329 | 0.0406 | 50 | | 1100 | 0.0248 | 7 | -999 | -999 | 0.04 | -999 | -999 | 2.43 | -999 | -999 | -999 | -999 | 0.122 | -10 | 162 | -999 | 88 | -999 | |
| D | RYS128S_<1.6 | -999 | 0.0158 | -999 | -999 | 0.071 | 0.0523 | 0.059 | 90 | | 803 | 0.0482 | 9 | -999 | -999 | 0.05 | -999 | -999 | 1.135 | -999 | -999 | -999 | -999 | 0.204 | -10 | 263 | -999 | 151 | -999 | |
| D | RYS128S_>1.6<3.2 | -999 | 0.0115 | -999 | -999 | 0.054 | 0.0551 | 0.0509 | 80 | | 778 | 0.0455 | -2 | -999 | -999 | 0.04 | -999 | -999 | 0.548 | -999 | -999 | -999 | -999 | 0.157 | -10 | 249 | -999 | 144 | -999 | |
| D | RYS128S_>3.2<4.8 | -999 | 0.0066 | -999 | -999 | 0.071 | 0.0576 | 0.0466 | 80 | | 850 | 0.0376 | 4 | -999 | -999 | 0.04 | -999 | -999 | 0.649 | -999 | -999 | -999 | -999 | 0.139 | 10 | 206 | -999 | 158 | -999 | |
| D | RYS128S_>4.8<6.4 | -999 | 0.007 | -999 | -999 | 0.095 | 0.0574 | 0.0527 | 80 | | 850 | 0.0319 | 4 | -999 | -999 | 0.07 | -999 | -999 | 1.04 | -999 | -999 | -999 | -999 | 0.134 | -10 | 168 | -999 | 167 | -999 | |
| D | RYS128S_>6.4 | -999 | 0.0103 | -999 | -999 | 0.095 | 0.0398 | 0.1165 | 60 | | 1340 | 0.0168 | -2 | -999 | -999 | 0.05 | -999 | -999 | 0.807 | -999 | -999 | -999 | -999 | 0.089 | 20 | 92 | -999 | 153 | -999 | |
| D | RYS132 | -999 | -0.0008 | -999 | -999 | 0.104 | 0.0697 | 0.0076 | 80 | | 808 | 0.0319 | 440 | -999 | -999 | 0.03 | -5 | -999 | 1.275 | -999 | -999 | -999 | -999 | 0.141 | -10 | 220 | -999 | 180 | -999 | |
| D | RYS133 | -999 | -0.0008 | -999 | -999 | 0.091 | 0.0463 | 0.0038 | -10 | | 837 | 0.0404 | 490 | -999 | -999 | 0.04 | -5 | -999 | 1.165 | -999 | -999 | -999 | -999 | 0.17 | 20 | 271 | -999 | 190 | -999 | |
| D | RYS133S_<1.6 | -999 | 0.0146 | -999 | -999 | 0.082 | 0.0348 | 0.021 | 70 | | 702 | 0.0506 | -2 | -999 | -999 | 0.05 | -999 | -999 | 1.96 | -999 | -999 | -999 | -999 | 0.24 | 20 | 295 | -999 | 94 | -999 | |
| D | RYS133S_>1.6<3.2 | -999 | 0.0064 | -999 | -999 | 0.058 | 0.0361 | 0.0636 | 80 | | 755 | 0.0471 | 2 | -999 | -999 | 0.05 | -999 | -999 | 0.82 | -999 | -999 | -999 | -999 | 0.191 | -10 | 303 | -999 | 85 | -999 | |
| D | RYS133S_>3.2<4.8 | -999 | 0.0104 | -999 | -999 | 0.066 | 0.0302 | 0.1655 | 70 | | 897 | 0.0347 | -2 | -999 | -999 | 0.05 | -999 | -999 | 0.985 | -999 | -999 | -999 | -999 | 0.146 | 20 | 211 | -999 | 94 | -999 | |
| D | RYS133S_>4.8<6.4 | -999 | 0.0013 | -999 | -999 | 0.073 | 0.0304 | 0.0417 | 50 | | 1060 | 0.0282 | -2 | -999 | -999 | 0.05 | -999 | -999 | 1.205 | -999 | -999 | -999 | -999 | 0.14 | 10 | 177 | -999 | 96 | -999 | |
| D | RYS133S_>6.4 | -999 | 0.0024 | -999 | -999 | 0.108 | 0.0329 | 0.0435 | 70 | | 1070 | 0.0228 | -2 | -999 | -999 | 0.05 | -999 | -999 | 1.76 | -999 | -999 | -999 | -999 | 0.147 | 20 | 150 | -999 | 124 | -999 | |
| D | RYS134 | -999 | -0.0008 | -999 | -999 | 0.116 | 0.0554 | 0.0046 | -10 | | 976 | 0.0353 | 450 | -999 | -999 | 0.04 | -5 | -999 | 1.195 | -999 | -999 | -999 | -999 | 0.178 | 30 | 243 | -999 | 220 | -999 | |
| D | RYS135 | -999 | -0.0008 | -999 | -999 | 0.086 | 0.0507 | 0.0076 | 70 | | 708 | 0.0405 | 460 | -999 | -999 | 0.04 | -5 | -999 | 0.957 | -999 | -999 | -999 | -999 | 0.172 | -10 | 279 | -999 | 200 | -999 | |
| D | RYS136 | -999 | 0.0008 | -999 | -999 | 0.18 | 0.0728 | 0.0212 | 110 | | 1055 | 0.0396 | 570 | -999 | -999 | 0.05 | -5 | -999 | 1.325 | -999 | -999 | -999 | -999 | 0.158 | -10 | 201 | -999 | 300 | -999 | |
| D | RYS137 | -999 | -0.0008 | -999 | -999 | 0.226 | 0.0605 | 0.0172 | -10 | | 954 | 0.0174 | 350 | -999 | -999 | 0.06 | -5 | -999 | 6.37 | -999 | -999 | -999 | -999 | 0.293 | -10 | 145 | -999 | 340 | -999 | |
| D | RYS138 | -999 | -0.0008 | -999 | -999 | 0.158 | 0.0657 | 0.0113 | 80 | | 1080 | 0.0217 | 410 | -999 | -999 | 0.05 | -5 | -999 | 2.8 | -999 | -999 | -999 | -999 | 0.206 | -10 | 192 | -999 | 260 | -999 | |
| D | RYS139 | -999 | -0.0008 | -999 | -999 | 0.109 | 0.0493 | 0.0075 | 50 | | 909 | 0.0376 | 430 | -999 | -999 | 0.08 | -5 | -999 | 1.305 | -999 | -999 | -999 | -999 | 0.164 | 10 | 162 | -999 | 200 | -999 | |
| D | RYS140 | -999 | -0.0008 | -999 | -999 | 0.172 | 0.0515 | 0.0106 | 80 | | 928 | 0.032 | 470 | -999 | -999 | 0.05 | -5 | -999 | 2.94 | -999 | -999 | -999 | -999 | 0.14 | 10 | 146 | -999 | 180 | -999 | |
| D | RYS146S_<1.6 | -999 | 0.016 | -999 | -999 | 0.116 | 0.0841 | 0.0308 | 70 | | 590 | 0.054 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.735 | -999 | -999 | -999 | -999 | 0.255 | -10 | 334 | -999 | 139 | -999 | |
| D | RYS146S_>1.6<3.2 | -999 | 0.007 | -999 | -999 | 0.051 | 0.0873 | 0.0195 | 80 | | 540 | 0.0527 | -2 | -999 | -999 | 0.04 | -999 | -999 | 0.478 | -999 | -999 | -999 | -999 | 0.208 | -10 | 350 | -999 | 100 | -999 | |
| D | RYS146S_>3.2<4.8 | -999 | 0.0017 | -999 | -999 | 0.035 | 0.0795 | 0.0245 | 70 | | 501 | 0.0433 | 4 | -999 | -999 | 0.03 | -999 | -999 | 0.491 | -999 | -999 | -999 | -999 | 0.164 | 20 | 275 | -999 | 96 | -999 | |
| D | RYS146S_>4.8<6.4 | -999 | 0.0016 | -999 | -999 | 0.06 | 0.091 | 0.0238 | 80 | | 544 | 0.0371 | -2 | -999 | -999 | 0.03 | -999 | -999 | 0.679 | -999 | -999 | -999 | -999 | 0.142 | -10 | 233 | -999 | 104 | -999 | |
| D | RYS146S_>6.4 | -999 | 0.0031 | -999 | -999 | 0.062 | 0.0906 | 0.0229 | 70 | | 612 | 0.0347 | -2 | -999 | -999 | 0.03 | -999 | -999 | 0.955 | -999 | -999 | -999 | -999 | 0.146 | -10 | 204 | -999 | 107 | -999 | |
| D | RYS149S_<1.6 | -999 | 0.0278 | -999 | -999 | 0.679 | 0.0484 | 0.0549 | 40 | | 164 | 0.0186 | 2 | -999 | -999 | 0.04 | -999 | -999 | 19.65 | -999 | -999 | -999 | -999 | 0.273 | 10 | 208 | -999 | 309 | -999 | Cr >6.8% ULD |
| D | RYS149S_>1.6<3.2 | -999 | 0.0175 | -999 | -999 | 0.06 | 0.0113 | 0.0083 | 60 | | 273 | 0.0325 | -2 | -999 | -999 | 0.06 | -999 | -999 | 5.37 | -999 | -999 | -999 | -999 | 0.127 | -10 | 188 | -999 | 99 | -999 | |
| D | RYS149S_>3.2<4.8 | -999 | 0.0098 | -999 | -999 | 0.106 | 0.0346 | 0.0262 | 60 | | 339 | 0.0313 | -2 | -999 | -999 | 0.05 | -999 | -999 | 5.02 | -999 | -999 | -999 | -999 | 0.136 | 10 | 264 | -999 | 98 | -999 | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|------------------|------|---------|------|------|-------|--------|---------|-----|-----|------|--------|-----|------|------|------|------|------|-------|------|------|------|------|-------|-----|-----|------|-----|------|-----------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | RYS149S_>4.8<6.4 | -999 | 0.0025 | -999 | -999 | 0.061 | 0.0228 | 0.0015 | 60 | | 371 | 0.0282 | -2 | -999 | -999 | 0.05 | -999 | -999 | 3.97 | -999 | -999 | -999 | -999 | 0.11 | 10 | 138 | -999 | 107 | -999 | |
| D | RYS149S_>6.4 | -999 | 0.0057 | -999 | -999 | 0.135 | 0.038 | 0.0333 | 40 | | 296 | 0.026 | 2 | -999 | -999 | 0.07 | -999 | -999 | 7.86 | -999 | -999 | -999 | -999 | 0.14 | -10 | 205 | -999 | 112 | -999 | |
| D | RYS159 | -999 | 0.0222 | -999 | -999 | 0.31 | 0.468 | 0.0038 | 50 | | 3790 | 0.0206 | 350 | -999 | -999 | 0.16 | -5 | -999 | 2.27 | -999 | -999 | -999 | -999 | 0.191 | -10 | 72 | -999 | 410 | -999 | |
| D | RYS159S_<1.6 | -999 | 0.0164 | -999 | -999 | 0.336 | 0.0641 | 0.0434 | 80 | | 364 | 0.0325 | -2 | -999 | -999 | 0.04 | -999 | -999 | 8.77 | -999 | -999 | -999 | -999 | 0.379 | 20 | 279 | -999 | 204 | -999 | |
| D | RYS159S_>1.6<3.2 | -999 | -0.0008 | -999 | -999 | 0.006 | 0.0349 | -0.0007 | 70 | | 518 | 0.0352 | 2 | -999 | -999 | 0.05 | -999 | -999 | 0.66 | -999 | -999 | -999 | -999 | 0.143 | 10 | 162 | -999 | 95 | -999 | |
| D | RYS159S_>3.2<4.8 | -999 | 0.0016 | -999 | -999 | 0.058 | 0.0649 | 0.0272 | 80 | | 574 | 0.0342 | 4 | -999 | -999 | 0.04 | -999 | -999 | 0.713 | -999 | -999 | -999 | -999 | 0.133 | -10 | 237 | -999 | 97 | -999 | |
| D | RYS159S_>4.8<6.4 | -999 | -0.0008 | -999 | -999 | 0.012 | 0.0402 | -0.0007 | 70 | | 562 | 0.0253 | 5 | -999 | -999 | 0.04 | -999 | -999 | 0.704 | -999 | -999 | -999 | -999 | 0.073 | 30 | 78 | -999 | 88 | -999 | |
| D | RYS159S_>6.4 | -999 | -0.0008 | -999 | -999 | 0.084 | 0.0694 | 0.0163 | 50 | | 636 | 0.0257 | 4 | -999 | -999 | 0.04 | -999 | -999 | 1.235 | -999 | -999 | -999 | -999 | 0.102 | 20 | 158 | -999 | 122 | -999 | |
| D | RYS160 | -999 | -0.0008 | -999 | -999 | 0.273 | 0.0602 | -0.0007 | 130 | | 643 | 0.0202 | -10 | -999 | -999 | 0.07 | -5 | -999 | 3.69 | -999 | -999 | -999 | -999 | 0.213 | -10 | 60 | -999 | 40 | -999 | |
| D | RYS161 | -999 | -0.0008 | -999 | -999 | 0.128 | 0.0838 | 0.009 | 90 | | 873 | 0.0235 | 350 | -999 | -999 | 0.05 | -5 | -999 | 2.04 | -999 | -999 | -999 | -999 | 0.158 | -10 | 157 | -999 | 190 | -999 | |
| D | RYS162 | -999 | -0.0008 | -999 | -999 | 0.152 | 0.121 | 0.0097 | 80 | | 781 | 0.0192 | 410 | -999 | -999 | 0.07 | -5 | -999 | 2.42 | -999 | -999 | -999 | -999 | 0.212 | -10 | 134 | -999 | 280 | -999 | |
| D | RYS163 | -999 | -0.0008 | -999 | -999 | 0.146 | 0.0995 | 0.0053 | 80 | | 472 | 0.0186 | 440 | -999 | -999 | 0.07 | -5 | -999 | 2.98 | -999 | -999 | -999 | -999 | 0.224 | -10 | 157 | -999 | 280 | -999 | |
| D | RYS164 | -999 | -0.0008 | -999 | -999 | 0.181 | 0.0593 | 0.0069 | 100 | | 362 | 0.0311 | 510 | -999 | -999 | 0.04 | -5 | -999 | 3.45 | -999 | -999 | -999 | -999 | 0.289 | 10 | 322 | -999 | 220 | -999 | |
| D | RYS165 | -999 | -0.0008 | -999 | -999 | 0.125 | 0.0725 | -0.0007 | 100 | | 483 | 0.0386 | 580 | -999 | -999 | 0.03 | -5 | -999 | 1.02 | -999 | -999 | -999 | -999 | 0.162 | -10 | 295 | -999 | 210 | -999 | |
| D | RYS165S_<1.6 | -999 | 0.0136 | -999 | -999 | 0.274 | 0.0787 | 0.0374 | 80 | | 373 | 0.0343 | -2 | -999 | -999 | 0.04 | -999 | -999 | 5.8 | -999 | -999 | -999 | -999 | 0.297 | 20 | 348 | -999 | 203 | -999 | |
| D | RYS165S_>1.6<3.2 | -999 | 0.0041 | -999 | -999 | 0.059 | 0.0684 | 0.0263 | 60 | | 422 | 0.0397 | -2 | -999 | -999 | 0.05 | -999 | -999 | 0.821 | -999 | -999 | -999 | -999 | 0.201 | 10 | 345 | -999 | 107 | -999 | |
| D | RYS165S_>3.2<4.8 | -999 | -0.0008 | -999 | -999 | 0.047 | 0.0577 | 0.008 | 90 | | 412 | 0.0327 | 2 | -999 | -999 | 0.04 | -999 | -999 | 0.765 | -999 | -999 | -999 | -999 | 0.146 | -10 | 212 | -999 | 108 | -999 | |
| D | RYS165S_>4.8<6.4 | -999 | -0.0008 | -999 | -999 | 0.047 | 0.0521 | -0.0007 | 70 | | 398 | 0.0271 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.16 | -999 | -999 | -999 | -999 | 0.134 | -10 | 138 | -999 | 110 | -999 | |
| D | RYS165S_>6.4 | -999 | -0.0008 | -999 | -999 | 0.075 | 0.098 | 0.015 | 50 | | 454 | 0.021 | 4 | -999 | -999 | 0.06 | -999 | -999 | 1.195 | -999 | -999 | -999 | -999 | 0.145 | 20 | 165 | -999 | 152 | -999 | |
| D | RYS166 | -999 | -0.0008 | -999 | -999 | 0.151 | 0.0446 | 0.0082 | 90 | | 615 | 0.0321 | 500 | -999 | -999 | 0.04 | -5 | -999 | 2.61 | -999 | -999 | -999 | -999 | 0.22 | -10 | 313 | -999 | 210 | -999 | |
| D | RYS167 | -999 | -0.0008 | -999 | -999 | 0.126 | 0.0626 | 0.0012 | 90 | | 485 | 0.0399 | 550 | -999 | -999 | 0.04 | -5 | -999 | 1.37 | -999 | -999 | -999 | -999 | 0.165 | -10 | 300 | -999 | 190 | -999 | |
| D | RYS168 | -999 | 0.0148 | -999 | -999 | 5.61 | 0.413 | 0.019 | 40 | | 2900 | 0.0134 | 260 | -999 | -999 | 0.03 | -5 | -999 | 11.7 | -999 | -999 | -999 | -999 | 0.095 | 10 | 78 | -999 | 170 | -999 | |
| D | RYS171S_<1.6 | -999 | 0.0124 | -999 | -999 | 0.236 | 0.0712 | 0.0283 | 40 | | 418 | 0.0325 | -2 | -999 | -999 | 0.04 | -999 | -999 | 8.22 | -999 | -999 | -999 | -999 | 0.356 | 30 | 274 | -999 | 173 | -999 | |
| D | RYS171S_>1.6<3.2 | -999 | 0.005 | -999 | -999 | 0.06 | 0.0724 | 0.023 | 70 | | 482 | 0.0384 | -2 | -999 | -999 | 0.05 | -999 | -999 | 0.822 | -999 | -999 | -999 | -999 | 0.21 | -10 | 314 | -999 | 91 | -999 | |
| D | RYS171S_>3.2<4.8 | -999 | 0.0025 | -999 | -999 | 0.066 | 0.0777 | 0.0168 | 50 | | 500 | 0.0321 | -2 | -999 | -999 | 0.07 | -999 | -999 | 1.02 | -999 | -999 | -999 | -999 | 0.178 | 30 | 247 | -999 | 101 | -999 | |
| D | RYS171S_>4.8<6.4 | -999 | 0.0017 | -999 | -999 | 0.095 | 0.0911 | 0.022 | 50 | | 487 | 0.028 | -2 | -999 | -999 | 0.04 | -999 | -999 | 1.71 | -999 | -999 | -999 | -999 | 0.178 | 10 | 216 | -999 | 118 | -999 | |
| D | RYS171S_>6.4 | -999 | 0.0032 | -999 | -999 | 0.122 | 0.079 | 0.0288 | 60 | | 380 | 0.0254 | -2 | -999 | -999 | 0.04 | -999 | -999 | 3.24 | -999 | -999 | -999 | -999 | 0.215 | 10 | 227 | -999 | 110 | -999 | |
| D | RYS219 | -999 | 0.0135 | -999 | -999 | 0.257 | 0.0519 | 0.0236 | 40 | | 4260 | 0.0102 | 310 | -999 | -999 | 0.08 | -5 | -999 | 17.95 | -999 | -999 | -999 | -999 | 0.071 | 10 | 18 | -999 | 110 | -999 | |
| D | RYS220 | -999 | 0.0059 | -999 | -999 | 0.383 | 0.079 | 0.0087 | 60 | | 2140 | 0.0202 | 390 | -999 | -999 | 0.05 | 14 | -999 | 5.53 | -999 | -999 | -999 | -999 | 0.248 | -10 | 148 | -999 | 280 | -999 | |
| D | RYS221 | -999 | 0.0206 | -999 | -999 | 2.57 | 1.07 | 0.0248 | 70 | | 6440 | 0.0164 | 470 | -999 | -999 | 0.02 | 11 | -999 | 4.6 | -999 | -999 | -999 | -999 | 0.104 | -10 | 74 | -999 | 380 | -999 | |
| D | RYS222 | -999 | 0.0299 | -999 | -999 | 0.403 | 0.347 | -0.0007 | 50 | | 6100 | 0.0161 | 460 | -999 | -999 | 0.18 | -5 | -999 | 1.705 | -999 | -999 | -999 | -999 | 0.136 | 10 | 52 | -999 | 340 | -999 | |
| D | RYS223 | -999 | 0.0176 | -999 | -999 | 0.434 | 0.947 | 0.0088 | 70 | | 4260 | 0.0228 | 430 | -999 | -999 | 0.07 | -5 | -999 | 2.15 | -999 | -999 | -999 | -999 | 0.147 | 10 | 82 | -999 | 460 | -999 | |
| D | RYS224 | -999 | 0.0124 | -999 | -999 | 0.356 | 0.1815 | 0.0043 | 50 | | 1910 | 0.019 | 420 | -999 | -999 | 0.08 | -5 | -999 | 3.33 | -999 | -999 | -999 | -999 | 0.206 | 10 | 56 | -999 | 420 | -999 | |
| D | RYS225 | -999 | 0.0321 | -999 | -999 | 0.855 | 1.12 | 0.003 | 60 | | 5480 | 0.0257 | 460 | -999 | -999 | 0.12 | -5 | -999 | 2.01 | -999 | -999 | -999 | -999 | 0.234 | -10 | 77 | -999 | 440 | -999 | |
| D | RYS226 | -999 | 0.0234 | -999 | -999 | 0.273 | 0.111 | -0.0007 | 50 | | 3650 | 0.0182 | 390 | -999 | -999 | 0.04 | -5 | -999 | 2.74 | -999 | -999 | -999 | -999 | 0.2 | 10 | 41 | -999 | 340 | -999 | |
| D | RYS227 | -999 | 0.0861 | -999 | -999 | 0.868 | 0.519 | 0.0335 | 30 | | 6130 | 0.0198 | 280 | -999 | -999 | 0.03 | 18 | -999 | 6.91 | -999 | -999 | -999 | -999 | 0.176 | -10 | 69 | -999 | 460 | -999 | |
| D | RYS228 | -999 | 0.0316 | -999 | -999 | 1.26 | 0.309 | 0.0172 | 40 | | 4020 | 0.0166 | 360 | -999 | -999 | 0.02 | 18 | -999 | 4.35 | -999 | -999 | -999 | -999 | 0.14 | -10 | 120 | -999 | 420 | -999 | |
| D | RYS229 | -999 | 0.0057 | -999 | -999 | 0.418 | 0.501 | 0.0048 | 80 | | 1340 | 0.0274 | 450 | -999 | -999 | 0.04 | -5 | -999 | 2.61 | -999 | -999 | -999 | -999 | 0.152 | -10 | 106 | -999 | 330 | -999 | |
| D | RYS230 | -999 | 0.0156 | -999 | -999 | 0.459 | 0.7 | 0.0138 | 60 | | 1860 | 0.0284 | 410 | -999 | -999 | 0.05 | -5 | -999 | 3.77 | -999 | -999 | -999 | -999 | 0.174 | 20 | 89 | -999 | 280 | -999 | |
| D | RYS231 | -999 | -0.0008 | -999 | -999 | 0.259 | 0.237 | 0.0095 | 100 | | 903 | 0.0322 | 590 | -999 | -999 | 0.04 | -5 | -999 | 2.68 | -999 | -999 | -999 | -999 | 0.222 | -10 | 156 | -999 | 290 | -999 | |
| D | RYS232 | -999 | 0.0245 | -999 | -999 | 0.313 | 0.172 | 0.0045 | 80 | | 1510 | 0.0241 | 470 | -999 | -999 | 0.1 | -5 | -999 | 3.24 | -999 | -999 | -999 | -999 | 0.305 | -10 | 126 | -999 | 380 | -999 | |
| D | RYS233 | -999 | 0.0562 | -999 | -999 | 2.78 | 0.671 | 0.0325 | 50 | | 8840 | 0.0314 | 290 | -999 | -999 | 0.05 | -5 | -999 | 9.22 | -999 | -999 | -999 | -999 | 0.142 | 30 | 48 | -999 | 350 | -999 | |
| D | RYS234 | -999 | 0.0608 | -999 | -999 | 2.65 | 0.666 | 0.0261 | 60 | | 9030 | 0.0156 | 360 | -999 | -999 | 0.03 | -5 | -999 | 6.71 | -999 | -999 | -999 | -999 | 0.13 | 20 | 57 | -999 | 380 | -999 | |
| D | RYS235 | -999 | 0.0409 | -999 | -999 | 4.83 | 0.819 | 0.0286 | 80 | | 4480 | 0.0132 | 390 | -999 | -999 | 0.04 | -5 | -999 | 7.15 | -999 | -999 | -999 | -999 | 0.103 | -10 | 47 | -999 | 370 | -999 | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments |
|-------|--------|------|--------|------|------|-------|--------|---------|-----|-----|------|--------|-----|------|------|------|-----|------|-------|------|------|------|------|-------|-----|-----|------|-----|------|--------------|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | |
| D | RYS236 | -999 | 0.0126 | -999 | -999 | 0.811 | 0.849 | 0.016 | 90 | | 4400 | 0.0189 | 530 | -999 | -999 | 0.05 | -5 | -999 | 2.31 | -999 | -999 | -999 | -999 | 0.072 | -10 | 83 | -999 | 450 | -999 | |
| D | RYS237 | -999 | 0.0122 | -999 | -999 | 0.92 | 0.98 | 0.012 | 50 | | 4890 | 0.0251 | 410 | -999 | -999 | 0.04 | -5 | -999 | 2.68 | -999 | -999 | -999 | -999 | 0.062 | -10 | 32 | -999 | 500 | -999 | |
| D | RYS238 | -999 | 0.0049 | -999 | -999 | 0.297 | 0.288 | 0.012 | 60 | | 1180 | 0.0196 | 410 | -999 | -999 | 0.07 | -5 | -999 | 6.65 | -999 | -999 | -999 | -999 | 0.295 | -10 | 87 | -999 | 250 | -999 | |
| D | RYS240 | -999 | 0.0507 | -999 | -999 | 1.98 | 0.239 | 0.0236 | 80 | | 4410 | 0.0189 | 270 | -999 | -999 | 0.03 | -5 | -999 | 7.89 | -999 | -999 | -999 | -999 | 0.212 | -10 | 103 | -999 | 420 | -999 | |
| D | RYS241 | -999 | 0.0472 | -999 | -999 | 0.923 | 0.43 | 0.0237 | 80 | | 4380 | 0.017 | 400 | -999 | -999 | 0.03 | -5 | -999 | 4.92 | -999 | -999 | -999 | -999 | 0.177 | -10 | 128 | -999 | 500 | -999 | |
| D | RYS242 | -999 | 0.0116 | -999 | -999 | 0.587 | 1.195 | -0.0007 | 50 | | 6350 | 0.0159 | -10 | -999 | -999 | 0.07 | -5 | -999 | 6.09 | -999 | -999 | -999 | -999 | 0.032 | 10 | -6 | -999 | 250 | -999 | |
| D | RYS243 | -999 | 0.0047 | -999 | -999 | 0.336 | 0.375 | 0.0136 | 80 | | 1930 | 0.017 | 440 | -999 | -999 | 0.1 | -5 | -999 | 3.79 | -999 | -999 | -999 | -999 | 0.156 | -10 | 104 | -999 | 320 | -999 | |
| D | RYS244 | -999 | 0.0116 | -999 | -999 | 0.342 | 0.431 | 0.0138 | 80 | | 1660 | 0.021 | 440 | -999 | -999 | 0.12 | -5 | -999 | 4.67 | -999 | -999 | -999 | -999 | 0.179 | -10 | 86 | -999 | 280 | -999 | |
| D | RYS245 | -999 | 0.043 | -999 | -999 | 0.366 | 0.492 | 0.0164 | 80 | | 1770 | 0.0262 | 410 | -999 | -999 | 0.1 | -5 | -999 | 6.83 | -999 | -999 | -999 | -999 | 0.235 | 10 | 96 | -999 | 260 | -999 | |
| D | RYS246 | -999 | 0.0469 | -999 | -999 | 0.628 | 0.355 | 0.0412 | 40 | | 1310 | 0.0254 | -10 | -999 | -999 | 0.09 | -5 | -999 | 7.26 | -999 | -999 | -999 | -999 | 0.284 | 20 | 130 | -999 | 250 | -999 | |
| D | RYS247 | -999 | 0.0359 | -999 | -999 | 0.315 | 1.125 | 0.0142 | 70 | | 3220 | 0.0288 | 500 | -999 | -999 | 0.11 | -5 | -999 | 3.96 | -999 | -999 | -999 | -999 | 0.162 | 20 | 75 | -999 | 360 | -999 | |
| D | RYS248 | -999 | 0.0197 | -999 | -999 | 0.79 | 2.88 | 0.0519 | 50 | | 7010 | 0.0245 | -10 | -999 | -999 | 0.07 | -5 | -999 | 2.34 | -999 | -999 | -999 | -999 | 0.074 | 30 | 56 | -999 | 370 | -999 | |
| D | RYS249 | -999 | 0.0389 | -999 | -999 | 0.39 | 1.59 | 0.0168 | 70 | | 3800 | 0.0283 | 410 | -999 | -999 | 0.11 | -5 | -999 | 5.4 | -999 | -999 | -999 | -999 | 0.156 | 10 | 63 | -999 | 320 | -999 | |
| D | RYS250 | -999 | 0.0079 | -999 | -999 | 0.376 | 0.937 | 0.0114 | 70 | | 3150 | 0.0269 | 450 | -999 | -999 | 0.15 | -5 | -999 | 2.38 | -999 | -999 | -999 | -999 | 0.14 | 10 | 89 | -999 | 380 | -999 | |
| D | RYS251 | -999 | 0.019 | -999 | -999 | 0.577 | 1.59 | 0.017 | 60 | | 3160 | 0.028 | 460 | -999 | -999 | 0.07 | -5 | -999 | 2.51 | -999 | -999 | -999 | -999 | 0.091 | -10 | 77 | -999 | 410 | -999 | |
| D | RYS252 | -999 | 0.0279 | -999 | -999 | 0.507 | 0.504 | 0.0007 | 60 | | 5230 | 0.0164 | 460 | -999 | -999 | 0.13 | -5 | -999 | 2.03 | -999 | -999 | -999 | -999 | 0.13 | -10 | 72 | -999 | 430 | -999 | |
| D | RYS253 | -999 | 0.0218 | -999 | -999 | 0.458 | 1.42 | 0.0104 | 60 | | 3750 | 0.0231 | 350 | -999 | -999 | 0.08 | -5 | -999 | 2.47 | -999 | -999 | -999 | -999 | 0.082 | 20 | 65 | -999 | 430 | -999 | |
| D | RYS254 | -999 | 0.0142 | -999 | -999 | 0.432 | 1.135 | 0.0142 | 70 | | 3830 | 0.0206 | 460 | -999 | -999 | 0.11 | -5 | -999 | 1.79 | -999 | -999 | -999 | -999 | 0.072 | 20 | 61 | -999 | 470 | -999 | |
| D | RYS255 | -999 | 1.945 | -999 | -999 | 0.656 | 0.0142 | 0.263 | -10 | | 2800 | 0.171 | 380 | -999 | -999 | 0.09 | -5 | -999 | 30.8 | -999 | -999 | -999 | -999 | 0.48 | -10 | 51 | -999 | 230 | -999 | |
| D | RYS256 | -999 | 0.019 | -999 | -999 | 0.574 | 0.0521 | 0.0178 | 70 | | 2830 | 0.0296 | 330 | -999 | -999 | 0.11 | -5 | -999 | 7.7 | -999 | -999 | -999 | -999 | 0.274 | 30 | 24 | -999 | 100 | -999 | |
| D | RYS257 | -999 | 0.0771 | -999 | -999 | 2.26 | 1.355 | 0.0524 | 30 | | 6650 | 0.0286 | -10 | -999 | -999 | 0.05 | -5 | -999 | 7.87 | -999 | -999 | -999 | -999 | 0.164 | 20 | 49 | -999 | 270 | -999 | |
| D | RYS258 | -999 | 0.0181 | -999 | -999 | 0.352 | 0.731 | 0.0079 | 50 | | 4280 | 0.0273 | 460 | -999 | -999 | 0.09 | -5 | -999 | 2.43 | -999 | -999 | -999 | -999 | 0.14 | -10 | 77 | -999 | 380 | -999 | |
| D | RYS259 | -999 | 0.0268 | -999 | -999 | 1.03 | 1.775 | 0.0178 | 60 | | 5500 | 0.0247 | 370 | -999 | -999 | 0.03 | -5 | -999 | 4.79 | -999 | -999 | -999 | -999 | 0.074 | 20 | 46 | -999 | 420 | -999 | |
| D | RYS260 | -999 | 0.0116 | -999 | -999 | 0.271 | 0.304 | 0.0059 | 50 | | 2520 | 0.0232 | 390 | -999 | -999 | 0.07 | -5 | -999 | 2.95 | -999 | -999 | -999 | -999 | 0.219 | 10 | 83 | -999 | 360 | -999 | |
| D | RYS261 | -999 | 0.0137 | -999 | -999 | 0.346 | 0.386 | 0.0075 | 70 | | 2190 | 0.0253 | 420 | -999 | -999 | 0.11 | -5 | -999 | 2.49 | -999 | -999 | -999 | -999 | 0.215 | 10 | 122 | -999 | 370 | -999 | |
| D | RYS262 | -999 | 0.0065 | -999 | -999 | 0.437 | 0.35 | 0.0117 | 70 | | 1700 | 0.0216 | 420 | -999 | -999 | 0.05 | -5 | -999 | 1.935 | -999 | -999 | -999 | -999 | 0.175 | -10 | 132 | -999 | 390 | -999 | |
| D | RYS263 | -999 | 0.0638 | -999 | -999 | 2.53 | 0.293 | 0.0331 | 70 | | 5370 | 0.0142 | 410 | -999 | -999 | 0.03 | -5 | -999 | 10.7 | -999 | -999 | -999 | -999 | 0.222 | 10 | 96 | -999 | 280 | -999 | |
| D | RYS264 | -999 | 0.0234 | -999 | -999 | 9.8 | 0.434 | 0.0178 | 50 | | 3450 | 0.0081 | 240 | -999 | -999 | 0.03 | -5 | -999 | 10.1 | -999 | -999 | -999 | -999 | 0.081 | 40 | 49 | -999 | 160 | -999 | |
| D | RYS265 | -999 | 0.0305 | -999 | -999 | 8.76 | 1.065 | 0.018 | 60 | | 6320 | 0.0069 | 330 | -999 | -999 | 0.02 | -5 | -999 | 9.39 | -999 | -999 | -999 | -999 | 0.076 | 10 | 32 | -999 | 280 | -999 | |
| D | RYS267 | -999 | 0.0211 | -999 | -999 | 5.35 | 1.18 | 0.0162 | 70 | | 5340 | 0.013 | 380 | -999 | -999 | 0.02 | -5 | -999 | 7.4 | -999 | -999 | -999 | -999 | 0.124 | 20 | 80 | -999 | 290 | -999 | |
| D | RYS268 | -999 | 0.0066 | -999 | -999 | 0.439 | 0.224 | 0.0039 | 90 | | 1130 | 0.0268 | 450 | -999 | -999 | 0.07 | -5 | -999 | 1.64 | -999 | -999 | -999 | -999 | 0.204 | -10 | 177 | -999 | 360 | -999 | |
| D | RYS269 | -999 | 0.0114 | -999 | -999 | 0.907 | 0.216 | 0.0138 | 90 | | 3560 | 0.013 | 550 | -999 | -999 | 0.07 | -5 | -999 | 2.25 | -999 | -999 | -999 | -999 | 0.148 | -10 | 118 | -999 | 400 | -999 | Cr >6.8% ULD |
| D | RYS270 | -999 | 0.0202 | -999 | -999 | 0.375 | 0.145 | 0.0162 | 70 | | 1340 | 0.0219 | 410 | -999 | -999 | 0.08 | -5 | -999 | 4.65 | -999 | -999 | -999 | -999 | 0.353 | -10 | 152 | -999 | 400 | -999 | |
| D | RYS271 | -999 | 0.0413 | -999 | -999 | 0.666 | 1.19 | 0.0332 | 60 | | 4160 | 0.0159 | 400 | -999 | -999 | 0.03 | -5 | -999 | 8.94 | -999 | -999 | -999 | -999 | 0.143 | -10 | 69 | -999 | 370 | -999 | |
| D | RYS272 | -999 | 0.0217 | -999 | -999 | 0.541 | 1.78 | 0.0128 | 60 | | 5530 | 0.0198 | 380 | -999 | -999 | 0.11 | -5 | -999 | 2.47 | -999 | -999 | -999 | -999 | 0.115 | 10 | 45 | -999 | 410 | -999 | |
| D | RYS273 | -999 | 0.0151 | -999 | -999 | 0.312 | 1.06 | 0.006 | 50 | | 3720 | 0.0176 | 450 | -999 | -999 | 0.15 | -5 | -999 | 2.3 | -999 | -999 | -999 | -999 | 0.075 | 20 | 27 | -999 | 360 | -999 | |
| D | RYS274 | -999 | 0.015 | -999 | -999 | 0.26 | 0.335 | -0.0007 | 20 | | 3060 | 0.0156 | 250 | -999 | -999 | 0.17 | -5 | -999 | 2 | -999 | -999 | -999 | -999 | 0.118 | 30 | 15 | -999 | 280 | -999 | |
| D | RYS275 | -999 | 0.001 | -999 | -999 | 0.373 | 0.245 | 0.0153 | 60 | | 1520 | 0.0232 | 470 | -999 | -999 | 0.08 | -5 | -999 | 3.62 | -999 | -999 | -999 | -999 | 0.237 | 10 | 127 | -999 | 440 | -999 | |
| D | RYS276 | -999 | 0.0138 | -999 | -999 | 0.331 | 0.208 | 0.0098 | 80 | | 1480 | 0.0217 | 460 | -999 | -999 | 0.09 | -5 | -999 | 2.56 | -999 | -999 | -999 | -999 | 0.257 | -10 | 144 | -999 | 460 | -999 | |
| D | RYS277 | -999 | 0.0205 | -999 | -999 | 0.351 | 0.174 | 0.0148 | 20 | | 1290 | 0.0223 | 410 | -999 | -999 | 0.08 | -5 | -999 | 4.75 | -999 | -999 | -999 | -999 | 0.275 | 30 | 148 | -999 | 420 | -999 | |
| D | RYS278 | -999 | 0.0122 | -999 | -999 | 0.385 | 0.181 | 0.0044 | 80 | | 1370 | 0.0246 | 410 | -999 | -999 | 0.09 | -5 | -999 | 2.74 | -999 | -999 | -999 | -999 | 0.24 | -10 | 147 | -999 | 420 | -999 | |
| D | RYS279 | -999 | 0.0183 | -999 | -999 | 0.442 | 0.146 | 0.0393 | 40 | | 1140 | 0.027 | -10 | -999 | -999 | 0.1 | -5 | -999 | 3.82 | -999 | -999 | -999 | -999 | 0.261 | 20 | 176 | -999 | 280 | -999 | |
| D | RYS280 | -999 | 0.0348 | -999 | -999 | 0.482 | 0.32 | 0.0178 | 70 | | 2820 | 0.0252 | 440 | -999 | -999 | 0.05 | -5 | -999 | 3.68 | -999 | -999 | -999 | -999 | 0.217 | 10 | 98 | -999 | 380 | -999 | |
| D | RYS281 | -999 | 0.0196 | -999 | -999 | 0.341 | 1.25 | -0.0007 | 50 | | 2110 | 0.0212 | 410 | -999 | -999 | 0.16 | -5 | -999 | 1.975 | -999 | -999 | -999 | -999 | 0.172 | 20 | 101 | -999 | 340 | -999 | |
| D | RYS282 | -999 | 0.015 | -999 | -999 | 0.306 | 0.1835 | 0.0105 | 110 | | 1200 | 0.0195 | 520 | -999 | -999 | 0.05 | -5 | -999 | 3.74 | -999 | -999 | -999 | -999 | 0.27 | -10 | 174 | -999 | 460 | -999 | |
| D | RYS283 | -999 | 0.0212 | -999 | -999 | 0.368 | 0.278 | 0.0143 | 90 | | 979 | 0.018 | 440 | -999 | -999 | 0.07 | -5 | -999 | 5.75 | -999 | -999 | -999 | -999 | 0.328 | -10 | 167 | -999 | 360 | -999 | |
| D | RYS284 | -999 | 0.036 | -999 | -999 | 0.4 | 0.097 | 0.0236 | 80 | | | | | | | | | | | | | | | | | | | | | |

Appendix A: EL45/2010 Soil Sample Locations Assays

| H1000 | Sample | In | K | La | Li | Mg | Mn | Na | Mo | Nb | Ni | P | Pb | Rb | Re | S | Sb | Se | Si | Sr | Ta | Te | Th | Ti | U | V | Y | Zn | Zr | AComments | |
|-------|---------|------|---------|------|------|-------|--------|---------|-----|-----|------|--------|-----|------|------|------|-----|------|-------|------|------|------|------|-------|-----|-----|------|-----|------|--------------|--|
| H1001 | | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | | |
| D | RYS294 | -999 | 0.0109 | -999 | -999 | 0.448 | 0.1115 | 0.0188 | 90 | | 590 | 0.0239 | 410 | -999 | -999 | 0.05 | -5 | -999 | 6.55 | -999 | -999 | -999 | -999 | 0.386 | -10 | 217 | -999 | 320 | -999 | | |
| D | RYS295 | -999 | 0.0082 | -999 | -999 | 0.316 | 0.1015 | 0.0075 | 80 | | 696 | 0.0247 | 340 | -999 | -999 | 0.06 | -5 | -999 | 4.17 | -999 | -999 | -999 | -999 | 0.324 | -10 | 184 | -999 | 270 | -999 | | |
| D | RYS296 | -999 | 0.0023 | -999 | -999 | 0.411 | 0.1165 | 0.0125 | 60 | | 747 | 0.0239 | 410 | -999 | -999 | 0.06 | -5 | -999 | 3.83 | -999 | -999 | -999 | -999 | 0.278 | 20 | 191 | -999 | 320 | -999 | | |
| D | RYS297 | -999 | 0.0008 | -999 | -999 | 0.297 | 0.0804 | 0.0244 | 60 | | 398 | 0.0219 | 340 | -999 | -999 | 0.04 | -5 | -999 | 11 | -999 | -999 | -999 | -999 | 0.311 | -10 | 248 | -999 | 220 | -999 | | |
| D | RYS299 | -999 | -0.0008 | -999 | -999 | 0.223 | 0.0675 | 0.011 | 120 | | 390 | 0.0287 | 570 | -999 | -999 | 0.03 | -5 | -999 | 3.91 | -999 | -999 | -999 | -999 | 0.279 | -10 | 352 | -999 | 210 | -999 | | |
| D | RYS300 | -999 | 0.0045 | -999 | -999 | 0.375 | 0.0418 | 0.0211 | 80 | | 247 | 0.0122 | 360 | -999 | -999 | 0.05 | -5 | -999 | 11.75 | -999 | -999 | -999 | -999 | 0.388 | -10 | 325 | -999 | 180 | -999 | | |
| D | RYS301 | -999 | 0.0052 | -999 | -999 | 0.417 | 0.0364 | 0.0275 | 70 | | 249 | 0.0129 | 290 | -999 | -999 | 0.05 | -5 | -999 | 16.1 | -999 | -999 | -999 | -999 | 0.313 | -10 | 353 | -999 | 210 | -999 | | |
| D | RYS301A | -999 | -0.0008 | -999 | -999 | 0.282 | 0.0441 | 0.0112 | 50 | | 258 | 0.018 | 330 | -999 | -999 | 0.04 | -5 | -999 | 7.89 | -999 | -999 | -999 | -999 | 0.244 | 20 | 301 | -999 | 130 | -999 | | |
| D | RYS302 | -999 | 0.0236 | -999 | -999 | 0.316 | 0.1845 | -0.0007 | 60 | | 1850 | 0.0216 | 310 | -999 | -999 | 0.12 | -5 | -999 | 4.09 | -999 | -999 | -999 | -999 | 0.262 | -10 | 140 | -999 | 260 | -999 | | |
| D | RYS303 | -999 | 0.0156 | -999 | -999 | 0.275 | 0.079 | 0.0104 | 50 | | 388 | 0.0228 | 390 | -999 | -999 | 0.05 | -5 | -999 | 6.27 | -999 | -999 | -999 | -999 | 0.307 | -10 | 189 | -999 | 220 | -999 | | |
| D | RYS304 | -999 | 0.0108 | -999 | -999 | 0.7 | 0.0749 | 0.0325 | 50 | | 313 | 0.0156 | 260 | -999 | -999 | 0.06 | -5 | -999 | 11.75 | -999 | -999 | -999 | -999 | 0.452 | -10 | 227 | -999 | 330 | -999 | Cr >6.8% ULD | |
| D | RYS305 | -999 | 0.0015 | -999 | -999 | 0.409 | 0.0982 | 0.0192 | 60 | | 437 | 0.0211 | 430 | -999 | -999 | 0.04 | -5 | -999 | 7.79 | -999 | -999 | -999 | -999 | 0.296 | -10 | 229 | -999 | 310 | -999 | | |
| D | RYS306 | -999 | 0.0255 | -999 | -999 | 0.394 | 0.138 | 0.0212 | 70 | | 2140 | 0.0138 | 350 | -999 | -999 | 0.03 | -5 | -999 | 8.22 | -999 | -999 | -999 | -999 | 0.134 | -10 | 104 | -999 | 270 | -999 | | |
| D | RYS307 | -999 | 0.0697 | -999 | -999 | 0.376 | 0.0329 | 0.015 | 60 | | 900 | 0.012 | 290 | -999 | -999 | 0.06 | -5 | -999 | 12.8 | -999 | -999 | -999 | -999 | 0.319 | -10 | 192 | -999 | 160 | -999 | | |
| D | RYS308 | -999 | 0.0251 | -999 | -999 | 0.319 | 0.101 | 0.0018 | 80 | | 1400 | 0.0156 | 370 | -999 | -999 | 0.1 | -5 | -999 | 4.61 | -999 | -999 | -999 | -999 | 0.164 | -10 | 105 | -999 | 230 | -999 | | |
| D | RYS309 | -999 | 0.0086 | -999 | -999 | 0.274 | 0.0589 | 0.017 | 70 | | 727 | 0.0154 | 360 | -999 | -999 | 0.04 | -5 | -999 | 7.43 | -999 | -999 | -999 | -999 | 0.221 | 10 | 184 | -999 | 180 | -999 | | |
| D | RYS310 | -999 | 0.0318 | -999 | -999 | 1.255 | 0.977 | 0.032 | 60 | | 3670 | 0.0097 | 300 | -999 | -999 | 0.03 | -5 | -999 | 10.55 | -999 | -999 | -999 | -999 | 0.14 | -10 | 91 | -999 | 250 | -999 | | |
| D | RYS311 | -999 | 0.0221 | -999 | -999 | 2.4 | 0.955 | 0.0221 | 70 | | 5700 | 0.0119 | 360 | -999 | -999 | 0.02 | -5 | -999 | 9.94 | -999 | -999 | -999 | -999 | 0.11 | -10 | 93 | -999 | 280 | -999 | | |
| D | RYS312 | -999 | 0.0431 | -999 | -999 | 0.338 | 0.0602 | 0.0379 | 60 | | 1180 | 0.0146 | 50 | -999 | -999 | 0.09 | -5 | -999 | 9.13 | -999 | -999 | -999 | -999 | 0.37 | 30 | 156 | -999 | 190 | -999 | | |
| D | RYS313 | -999 | 0.0523 | -999 | -999 | 0.477 | 0.1975 | 0.0047 | 50 | | 1940 | 0.0192 | 360 | -999 | -999 | 0.14 | -5 | -999 | 5.84 | -999 | -999 | -999 | -999 | 0.329 | -10 | 138 | -999 | 260 | -999 | | |
| D | RYS314 | -999 | 0.0231 | -999 | -999 | 0.449 | 0.0784 | 0.0124 | 50 | | 713 | 0.0218 | 320 | -999 | -999 | 0.13 | -5 | -999 | 6.59 | -999 | -999 | -999 | -999 | 0.407 | 30 | 196 | -999 | 260 | -999 | | |
| D | RYS315 | -999 | 0.0386 | -999 | -999 | 0.537 | 0.0975 | 0.0403 | 60 | | 887 | 0.0217 | -10 | -999 | -999 | 0.1 | -5 | -999 | 9.16 | -999 | -999 | -999 | -999 | 0.349 | 10 | 208 | -999 | 240 | -999 | | |
| D | RYS316 | -999 | 0.1045 | -999 | -999 | 0.463 | 0.504 | 0.0254 | 60 | | 2270 | 0.0336 | 270 | -999 | -999 | 0.05 | -5 | -999 | 12.35 | -999 | -999 | -999 | -999 | 0.418 | -10 | 122 | -999 | 310 | -999 | | |
| D | RYS317 | -999 | 0.0378 | -999 | -999 | 0.346 | 0.07 | 0.0236 | 80 | | 513 | 0.0165 | 380 | -999 | -999 | 0.06 | -5 | -999 | 13.2 | -999 | -999 | -999 | -999 | 0.301 | -10 | 235 | -999 | 220 | -999 | Cr >6.8% ULD | |
| D | RYS318 | -999 | 0.0606 | -999 | -999 | 0.273 | 0.0675 | 0.0205 | 60 | | 528 | 0.0188 | 330 | -999 | -999 | 0.08 | -5 | -999 | 9.76 | -999 | -999 | -999 | -999 | 0.231 | -10 | 213 | -999 | 180 | -999 | | |
| D | RYS319 | -999 | 0.0009 | -999 | -999 | 0.247 | 0.0918 | 0.0091 | 60 | | 527 | 0.0184 | 400 | -999 | -999 | 0.05 | -5 | -999 | 5.43 | -999 | -999 | -999 | -999 | 0.218 | -10 | 241 | -999 | 220 | -999 | | |
| D | RYS320 | -999 | 0.008 | -999 | -999 | 0.283 | 0.1015 | 0.0182 | 60 | | 487 | 0.0195 | 350 | -999 | -999 | 0.05 | -5 | -999 | 8.01 | -999 | -999 | -999 | -999 | 0.299 | 10 | 204 | -999 | 220 | -999 | | |
| D | RYS321 | -999 | 0.0216 | -999 | -999 | 0.313 | 0.1205 | 0.0103 | 50 | | 865 | 0.018 | 330 | -999 | -999 | 0.1 | -5 | -999 | 7.47 | -999 | -999 | -999 | -999 | 0.305 | 10 | 211 | -999 | 250 | -999 | | |
| D | RYS322 | -999 | 0.0367 | -999 | -999 | 12.15 | 0.486 | 0.0244 | 10 | | 3390 | 0.0089 | 100 | -999 | -999 | 0.03 | -5 | -999 | 17.35 | -999 | -999 | -999 | -999 | 0.049 | 30 | 15 | -999 | 70 | -999 | | |
| D | RYS323 | -999 | 0.727 | -999 | -999 | 0.245 | 0.014 | 0.0447 | -10 | | 284 | 0.0282 | 70 | -999 | -999 | 0.03 | -5 | -999 | 33.4 | -999 | -999 | -999 | -999 | 0.362 | -10 | 63 | -999 | -10 | -999 | | |
| D | RYS324 | -999 | 0.0184 | -999 | -999 | 0.758 | 0.1305 | 0.0386 | 40 | | 1010 | 0.013 | 220 | -999 | -999 | 0.02 | -5 | -999 | 21.6 | -999 | -999 | -999 | -999 | 0.112 | -10 | 142 | -999 | 180 | -999 | | |
| D | RYS325 | -999 | 0.0616 | -999 | -999 | 0.494 | 0.0914 | 0.0241 | 80 | | 938 | 0.0161 | 470 | -999 | -999 | 0.03 | -5 | -999 | 10.85 | -999 | -999 | -999 | -999 | 0.18 | -10 | 197 | -999 | 300 | -999 | Cr >6.8% ULD | |
| D | RYS326 | -999 | 0.28 | -999 | -999 | 1.235 | 0.252 | 0.0105 | 30 | | 2020 | 0.0233 | 160 | -999 | -999 | 0.04 | -5 | -999 | 24.1 | -999 | -999 | -999 | -999 | 0.387 | -10 | 75 | -999 | 130 | -999 | | |
| D | RYS327 | -999 | 0.0285 | -999 | -999 | 0.127 | 0.0133 | 0.0657 | -10 | | 130 | 0.0027 | 60 | -999 | -999 | 0.01 | -5 | -999 | 39.9 | -999 | -999 | -999 | -999 | 0.142 | -10 | 21 | -999 | -10 | -999 | | |
| D | RYS328 | -999 | 0.0501 | -999 | -999 | 0.364 | 0.0341 | 0.0729 | -10 | | 128 | 0.0033 | 40 | -999 | -999 | 0.02 | -5 | -999 | 40.9 | -999 | -999 | -999 | -999 | 0.147 | -10 | 45 | -999 | -10 | -999 | | |
| D | RYS329 | -999 | 0.0238 | -999 | -999 | 0.118 | 0.0073 | 0.0683 | -10 | | 23 | 0.0031 | -10 | -999 | -999 | 0.03 | -5 | -999 | 37.7 | -999 | -999 | -999 | -999 | 0.225 | -10 | -6 | -999 | -10 | -999 | | |
| D | RYS330 | -999 | 0.0372 | -999 | -999 | 0.456 | 0.564 | 0.0293 | 40 | | 1590 | 0.0119 | 240 | -999 | -999 | 0.02 | -5 | -999 | 13 | -999 | -999 | -999 | -999 | 0.12 | -10 | 71 | -999 | 270 | -999 | | |
| D | RYS331 | -999 | 0.1305 | -999 | -999 | 0.447 | 0.857 | 0.0427 | 70 | | 1680 | 0.017 | 330 | -999 | -999 | 0.05 | -5 | -999 | 13.1 | -999 | -999 | -999 | -999 | 0.188 | -10 | 64 | -999 | 240 | -999 | | |
| D | RYS332 | -999 | 0.102 | -999 | -999 | 0.605 | 0.701 | 0.0556 | 30 | | 1590 | 0.0166 | 260 | -999 | -999 | 0.03 | -5 | -999 | 12.7 | -999 | -999 | -999 | -999 | 0.17 | -10 | 94 | -999 | 240 | -999 | | |
| EOF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix B

Stream Sediment Sample Locations & Assays

Appendix C

Rock Chip Sample Locations & Assays

Appendix C: EL45/2010 Rock Chip Sample Locations Assays

| H1000 | Sample | Prospect | E MGA55 metres | N MGA55 metres | Unit | Description | Magsus 10-3 SI units | Logged | Ascheme | Batch | Date | Sn_XRF % | Sn_MS % |
|-------|-----------|-----------------|-------------------|-------------------|-------------|---|-------------------------|------------|--------------------------|------------|------------|-------------|------------|
| D | JSRY007A | Riley Laterites | 367841 | 5377202 | laterite | top of road cutting; ~0.4-0.5m crumbly gravel laterite composed of he-mt clasts in minor cy matrix | 17.9 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY007B | Riley Laterites | 367841 | 5377202 | laterite | underlying 0.4-0.6m cobbly transported(?) laterite zone; weakly graded...coarser base of normally graded horizon including JSRY007A? | 2.43 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | 0.001 |
| D | JSRY007C | Riley Laterites | 367841 | 5377202 | laterite | locally blocky lateritic scour w/ sandy dgy-dyw cy matrix. Undulating basal contact w/ dog RCLY (JSRY007D) | 5.41 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY007D | Riley Laterites | 367841 | 5377202 | clay | dog RCLY w/ weakly cemented bn-rd streaks & patches in places | 1.83 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY007E | Riley Laterites | 367841 | 5377202 | clay | dog RCLY w/ streaky dgy + rd boulders | 4.88 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY008LB | Riley Laterites | 367818 | 5377189 | laterite | dgy-rd consolidated lateritic basement | 8.42 | AL | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY008LM | Riley Laterites | 367818 | 5377189 | laterite | unconsolidated og-bn laterite w/ cy matrix; ~30% cy. Common organics | 28.2 | AL | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | 0.001 |
| D | JSRY008LT | Riley Laterites | 367818 | 5377189 | laterite | dgy pisolithic crust; pisolites →9mm | 33.7 | AL | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | 0.001 |
| D | JSRY009A | Riley Laterites | 367801 | 5377184 | laterite | 0.3-0.7m crumbly coarse gravelly, subrounded silvery-dgy mt-he + coarse sand, densely packed in drd cy matrix | 98.4 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY009B | Riley Laterites | 367801 | 5377184 | laterite | underlying 0.0-0.6m, irregularly well cemented similarly gravelly lateritic horizon | 69.6 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | 0.001 |
| D | JSRY009C | Riley Laterites | 367801 | 5377184 | laterite | underlying 0.3m thick, weakly cemented gravel-cobble lateritic-FeOH horizon w/ dog-yw fine sand-cy matrix | 8.79 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY009D | Riley Laterites | 367801 | 5377184 | clay | ~0.15m dog-gy silty cy | 7.21 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY009E | Riley Laterites | 367801 | 5377184 | clay | dog-bn cy w/ minor bn-rd & yw streaks | 7.51 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY010A | Riley Laterites | 367784 | 5377172 | laterite | 0.5-0.7m crumbly detrital laterite dgy-drd gravel-cobbles w/ minor cy matrix | 15.6 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | 0.001 |
| D | JSRY010B | Riley Laterites | 367784 | 5377172 | laterite | underlying discontinuous 0.0-0.5m horizon of angular, blocky, well-cemented drd-bn-og laterite zone. Laterally becoming crumble cobble equivalent of JSRY010A | 1.49 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY010C | Riley Laterites | 367784 | 5377172 | cy-laterite | underlying 0.3-0.5m weak-moderately cemented dog-rd & gy nodular cy + cy-alt subrounded clasts; 2 horizons? | 4.06 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | 0.001 |
| D | JSRY010D | Riley Laterites | 367784 | 5377172 | clay | underlying drd-dog cy-lm, variably well-cemented w/ ≤1cm thick dgy-bn FeOH-cemented streaks | 0.93 | JKS | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | JSRY011LB | Riley Laterites | 367762 | 5377171 | laterite | mod-well sorted, consolidated og=bn laterite w/ common rounded dgy clasts →30mm; 1/5m from base of wall. | 1.18 | AL | ALS-PGM24ICP61XRF12 | AD11165934 | 22/09/2011 | -0.0008 | -0.001 |
| D | RYRK001 | Riley Laterites | 367701 | 5377143 | laterite | Rd-bn boulders and lateritic gravels consisting of mas go-he + vuggy feruginous cy's w/ he-go bnds and veins. Rare weakly magnetic clasts. | 1.946667 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | 0.003 |
| D | RYRK002 | Riley Laterites | 367291 | 5376754 | laterite | he+go lat w/ relict patches of gy-gn cy (after ultra mafic). | 9.183333 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | -0.001 |
| D | RYRK003 | Riley Laterites | 367372 | 5376829 | laterite | he+go lat w/ relict patches of gy-gn cy (after ultra mafic). | 2.696667 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | -0.001 |
| D | RYRK004 | Riley Laterites | 367426 | 5376803 | laterite | he+go lat w/ relict patches of gy-gn cy (after ultra mafic). Rare pisolites. | 3.5 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | 0.001 |
| D | RYRK005 | Riley Laterites | 367494 | 5376995 | laterite | Minor pisolithic texture. Mostly he and go. Minor mt throughout. Minor weathered he cy. | 1.983333 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | 0.001 |
| D | RYRK006 | Riley Laterites | 367442 | 5377048 | laterite | Minor pisolithic texture. He + go. Minor dis mt. He cy. | 2.636667 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | -0.001 |
| D | RYRK007 | Riley Laterites | 367555 | 5377160 | laterite | Poorly developed pisolithic texture. Trace mt. he + go. | 12.02 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | 0.001 |
| D | RYRK008 | Riley Laterites | 367620 | 5377087 | laterite | Blocky texture. He + go. Moderate mt throughout. | 2.623333 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | -0.001 |
| D | RYRK009 | Riley Laterites | 367998 | 5377084 | laterite | strongly pisolithic he-go laterite. | 3.583333 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | -0.001 |
| D | RYRK010 | Riley Laterites | 367875 | 5376977 | laterite | strongly pisolithic he-go laterite. | 1.226667 | SJ | ALS-ICP61ICP69XRF12PGM26 | AD11113325 | 31/08/2011 | -999 | 0.001 |
| D | SORC3 | Riley Laterites | 367855 | 5377219 | laterite | feruginous clay in road cut beneath ferruginous lateritic gravel | -999 | SO, JS, JH | ALS-ICP61ICP69XRF12 | AD11185310 | 4/11/2011 | -0.0008 | 0.001 |
| EOF | | | | | | | | | | | | | |

Appendix C: EL45/2010 Rock Chip Sample Locations Assays

| H1000 | Sample | WO3 | Fe | Al | Ag | As | Au | Pt | Pd | Ir | Os | Ru | Rh | B | Bi | Ca | Co | Cr | Cu | Mg | Mn | Mo | Ni | P | Pb | S | Si | XRF12% | Ti | U | V | Zn | AComments |
|-------|-----------|---------|-------|-------|------|-----|--------|--------|--------|-------|-------|-------|-------|------|-----|--------|-----|-------|-----|-------|--------|-----|------|--------|-----|------|-------|--------|------|-----|-----|------------|-----------|
| H1001 | | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | |
| D | JSRY007A | -0.0013 | 52.3 | 1.61 | -0.5 | 25 | 0.002 | -0.005 | 0.001 | -999 | -999 | -999 | -999 | -999 | -2 | 0.02 | 150 | 36300 | 5 | 0.164 | 0.107 | 30 | 556 | 0.0268 | 100 | 0.08 | 3.39 | 0.317 | 40 | 242 | 290 | | |
| D | JSRY007B | -0.0013 | 49 | 2.25 | -0.5 | 29 | 0.002 | 0.008 | 0.002 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 250 | 44500 | 7 | 0.25 | 0.1365 | 40 | 807 | 0.0233 | 120 | 0.08 | 2.86 | 0.298 | 20 | 230 | 360 | | |
| D | JSRY007C | -0.0013 | 46.8 | 1.87 | -0.5 | 21 | 0.003 | 0.01 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 420 | 55800 | 6 | 0.283 | 0.229 | 30 | 1040 | 0.017 | 70 | 0.08 | 4.17 | 0.264 | 40 | 132 | 360 | | |
| D | JSRY007D | -0.0013 | 45.5 | 3.16 | -0.5 | 23 | 0.001 | 0.006 | 0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 390 | 47300 | 11 | 0.26 | 0.1735 | 30 | 1490 | 0.0152 | 100 | 0.07 | 3.5 | 0.261 | 20 | 106 | 420 | | |
| D | JSRY007E | 0.0113 | 40.7 | 4.29 | -0.5 | 13 | 0.001 | 0.007 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | 0.017 | 350 | 51900 | 16 | 0.295 | 0.139 | 30 | 1960 | 0.0178 | 110 | 0.06 | 3.78 | 0.49 | 50 | 140 | 590 | | |
| D | JSRY008LB | -0.0013 | 50.3 | 1.935 | -0.5 | 17 | 0.002 | 0.006 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 310 | 36400 | 7 | 0.263 | 0.152 | 40 | 1150 | 0.0195 | 130 | 0.14 | 3.51 | 0.287 | 20 | 126 | 360 | | |
| D | JSRY008LM | -0.0013 | 57.9 | 1.22 | -0.5 | 18 | 0.003 | 0.007 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 160 | 27600 | 4 | 0.168 | 0.116 | 40 | 717 | 0.0294 | 200 | 0.07 | 1.975 | 0.207 | 20 | 170 | 290 | | |
| D | JSRY008LT | -0.0013 | 57.6 | 1.02 | -0.5 | 14 | 0.003 | -0.005 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 140 | 25700 | 4 | 0.11 | 0.0973 | 50 | 597 | 0.0304 | 190 | 0.1 | 2.4 | 0.228 | 20 | 180 | 260 | | |
| D | JSRY009A | -0.0013 | 62.4 | 0.79 | -0.5 | 13 | 0.003 | 0.008 | 0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 130 | 23400 | 4 | 0.057 | 0.113 | 50 | 673 | 0.039 | 250 | 0.05 | 1.02 | 0.152 | -10 | 211 | 290 | | |
| D | JSRY009B | -0.0013 | 53.3 | 1.175 | -0.5 | 22 | 0.003 | 0.117 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 200 | 34300 | 4 | 0.176 | 0.1065 | 50 | 657 | 0.0229 | 160 | 0.11 | 3.95 | 0.325 | -10 | 188 | 310 | | |
| D | JSRY009C | -0.0013 | 40.6 | 2.44 | -0.5 | 20 | 0.015 | 0.016 | 0.014 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 280 | 49700 | 7 | 0.254 | 0.0965 | 40 | 666 | 0.014 | 90 | 0.09 | 8.01 | 0.585 | 20 | 170 | 370 | | |
| D | JSRY009D | -0.0013 | 25.8 | 2.97 | 0.6 | 17 | 0.001 | 0.008 | 0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 400 | -1111 | 9 | 0.529 | 0.119 | 20 | 580 | 0.0162 | -10 | 0.04 | 15.95 | 1.125 | 40 | 211 | 610 | Cr >6% ULD | |
| D | JSRY009E | -0.0013 | 40.7 | 4.01 | 0.6 | 15 | 0.001 | 0.006 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 390 | 58300 | 10 | 0.301 | 0.1255 | 30 | 1320 | 0.0196 | 80 | 0.06 | 4.3 | 0.726 | 40 | 148 | 520 | | |
| D | JSRY010A | -0.0013 | 54.5 | 1.4 | -0.5 | 23 | 0.003 | -0.005 | 0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 170 | 32200 | 5 | 0.099 | 0.1305 | -10 | 796 | 0.0278 | 200 | 0.07 | 2.68 | 0.237 | 50 | 205 | 310 | | |
| D | JSRY010B | -0.0013 | 45.5 | 2.04 | -0.5 | 28 | 0.002 | -0.005 | 0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 210 | 42400 | 6 | 0.168 | 0.152 | 50 | 738 | 0.0208 | 100 | 0.11 | 6.24 | 0.387 | 30 | 219 | 370 | | |
| D | JSRY010C | -0.0013 | 39.7 | 2.68 | -0.5 | 18 | 0.001 | 0.009 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 240 | 47100 | 10 | 0.17 | 0.22 | 30 | 1370 | 0.0162 | 30 | 0.1 | 7.85 | 0.539 | 30 | 128 | 410 | | |
| D | JSRY010D | -0.0013 | 54 | 1.43 | -0.5 | 12 | 0.001 | -0.005 | -0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 390 | 35400 | 7 | 0.088 | 0.355 | 30 | 1640 | 0.0188 | 170 | 0.1 | 0.915 | 0.124 | 20 | 76 | 410 | | |
| D | JSRY011LB | -0.0013 | 51.9 | 1.465 | -0.5 | 15 | 0.001 | -0.005 | 0.001 | -999 | -999 | -999 | -999 | -999 | -2 | -0.007 | 440 | 35700 | 7 | 0.132 | 0.294 | -10 | 1290 | 0.0178 | 100 | 0.11 | 2.31 | 0.164 | 50 | 112 | 350 | | |
| D | RYRK001 | -999 | 53.15 | 1.32 | -0.5 | 10 | -0.002 | 0.016 | 0.004 | 0.044 | 0.04 | 0.076 | 0.008 | 10 | 8 | 0.8 | 190 | 29891 | 37 | 0.35 | 0.249 | 70 | 1010 | 0.021 | 190 | 0.4 | 2.21 | 0.17 | -999 | 84 | 300 | | |
| D | RYRK002 | -999 | 51.89 | 1.58 | -0.5 | 10 | -0.002 | 0.015 | 0.004 | 0.043 | 0.038 | 0.066 | 0.007 | 10 | 13 | 0.09 | 290 | 38235 | 11 | 0.21 | 0.138 | 50 | 1500 | 0.022 | 20 | 0.2 | 2.18 | 0.13 | -999 | 101 | 280 | | |
| D | RYRK003 | -999 | 48.74 | 1.91 | -0.5 | -5 | -0.002 | 0.01 | 0.004 | 0.027 | 0.02 | 0.041 | 0.004 | 20 | 10 | 0.09 | 380 | 34952 | 13 | 0.25 | 0.136 | 70 | 1610 | 0.019 | 140 | 0.24 | 3.66 | 0.19 | -999 | 112 | 290 | | |
| D | RYRK004 | -999 | 46.08 | 1.68 | -0.5 | 5 | -0.002 | 0.01 | 0.004 | 0.037 | 0.031 | 0.052 | 0.005 | 20 | 8 | 0.02 | 150 | 41313 | 7 | 0.17 | 0.079 | -10 | 1070 | 0.017 | -10 | 0.16 | 5.52 | 0.26 | -999 | 6 | 10 | | |
| D | RYRK005 | -999 | 55.94 | 1.1 | -0.5 | 18 | -0.002 | 0.01 | 0.004 | 0.089 | 0.054 | 0.076 | 0.007 | 40 | 11 | 0.01 | 90 | 24829 | 6 | 0.13 | 0.067 | 60 | 663 | 0.036 | 50 | 0.09 | 3.22 | 0.25 | -999 | 179 | 170 | | |
| D | RYRK006 | -999 | 51.96 | 1.23 | -0.5 | 6 | -0.002 | 0.015 | 0.005 | 0.068 | 0.063 | 0.103 | 0.009 | 30 | 11 | 0.01 | 230 | 38577 | 12 | 0.17 | 0.155 | 70 | 1360 | 0.017 | 180 | 0.17 | 2.37 | 0.2 | -999 | 118 | 350 | | |
| D | RYRK007 | -999 | 52.52 | 1.74 | -0.5 | 13 | -0.002 | 0.014 | 0.004 | 0.033 | 0.026 | 0.058 | 0.006 | 40 | 6 | 0.01 | 510 | 28728 | 8 | 0.14 | 0.208 | -10 | 1430 | 0.016 | 170 | 0.16 | 1.78 | 0.14 | -999 | 78 | 300 | | |
| D | RYRK008 | -999 | 52.45 | 1.53 | -0.5 | 13 | -0.002 | 0.009 | 0.005 | 0.049 | 0.039 | 0.069 | 0.007 | 30 | 6 | 0.01 | 180 | 26607 | 7 | 0.11 | 0.153 | 50 | 1190 | 0.016 | 80 | 0.11 | 1.8 | 0.16 | -999 | 84 | 230 | | |
| D | RYRK009 | -999 | 53.92 | 1.02 | -0.5 | -5 | -0.002 | 0.015 | 0.004 | 0.094 | 0.093 | 0.093 | 0.009 | 50 | 9 | 0.01 | 460 | 46238 | 7 | 0.24 | 0.233 | 70 | 1640 | 0.009 | 150 | 0.09 | 0.93 | 0.07 | -999 | 62 | 400 | | |
| D | RYRK010 | -999 | 54.27 | 0.81 | -0.5 | -5 | -0.002 | 0.028 | 0.015 | 0.089 | 0.089 | 0.157 | 0.016 | 50 | 11 | -0.01 | 550 | 47127 | 8 | 0.21 | 0.318 | 30 | 1630 | 0.01 | 150 | 0.11 | 0.79 | 0.09 | -999 | 56 | 490 | | |
| D | SORC3 | -0.0013 | 43.8 | 4.51 | -0.5 | 10 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | 40 | 2 | 0.322 | 330 | 32200 | 22 | 0.468 | 0.0949 | 20 | 2230 | 0.018 | 120 | 0.15 | 2.09 | 0.321 | 40 | 74 | 380 | | |
| EOF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix D

Riley Test Pit Locations

Appendix D: EL45/2010 Riley Laterites Test Pit Locations

| | | | | | | | | | | | |
|-------|--------------------------------|-----------------------|-------------------------------------|-----------|--------|---------|---------------------|-------------------|--------|---------------|--|
| H0002 | Version | | 3 | | | | | | | | |
| H0003 | Date_generated | | 29/4/2011 | | | | | | | | |
| H0004 | Reporting_period_end_date | | 30/5/2012 | | | | | | | | |
| H0005 | State | | TAS | | | | | | | | |
| H0100 | Tenement | | EL45/2010 | | | | | | | | |
| 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 | | 3637 Rosebury, 3638 Parsons | | | | | | | | |
| H0200 | Start_date_of_data_acquisition | | 30/5/2011 | | | | | | | | |
| H0201 | End_date_of_data_acquisition | | 29/4/2012 | | | | | | | | |
| H0202 | Data_format | | SG3 | | | | | | | | |
| H0203 | Number_of_data_records | | 184 | | | | | | | | |
| H0204 | Date_of_metadata_update | | 29/4/2012 | | | | | | | | |
| H0500 | Feature_Located | | TEST PIT | | | | | | | | |
| H0501 | Geodetic_datum | | GDA94 | | | | | | | | |
| H0502 | Vertical_datum | | AHD83 +2000m | | | | | | | | |
| H0503 | Projection | | MGA | | | | | | | | |
| H0531 | Projection_zone | | 55 | | | | | | | | |
| H0532 | Surveying_instrument | | Total Station with DGPS control | | | | | | | | |
| H0533 | Surveying_Company | | LC MacKenzie and Associates Pty Ltd | | | | | | | | |
| H900 | Remarks | | | | | | | | | | |
| H1000 | Test_Pit | Prospect | E_MGA55 | N_MGA55 | RL2000 | Depth_m | Pitting_Contractor | Pitting_Equipment | Logged | Date_finished | |
| H1001 | | | metres | metres | metres | metres | | | | | |
| D | RYPAA0101 | Riley Laterite Area A | 367171.2 | 5376819.6 | 2182.6 | 1.4 | Wynyard Contracting | 20t excavator | AL | 12/01/2012 | |
| D | RYPAA0102 | Riley Laterite Area A | 367188.6 | 5376797.1 | 2185.8 | 2.3 | Wynyard Contracting | 20t excavator | AL | 12/01/2012 | |
| D | RYPAA0103 | Riley Laterite Area A | 367214.3 | 5376771.2 | 2186.3 | 3.0 | Wynyard Contracting | 20t excavator | AL | 13/01/2012 | |
| D | RYPAA0104 | Riley Laterite Area A | 367259.5 | 5376730.6 | 2185.6 | 3.5 | Wynyard Contracting | 20t excavator | AL | 13/01/2012 | |
| D | RYPAA0201 | Riley Laterite Area A | 367248.0 | 5376844.7 | 2188.5 | 5.3 | Wynyard Contracting | 20t excavator | AL | 12/01/2012 | |
| D | RYPAA0202 | Riley Laterite Area A | 367284.4 | 5376828.3 | 2190.1 | 2.0 | Wynyard Contracting | 20t excavator | AL | 12/01/2012 | |
| D | RYPAA0203 | Riley Laterite Area A | 367322.5 | 5376793.1 | 2189.3 | 1.6 | Wynyard Contracting | 20t excavator | AL | 12/01/2012 | |
| D | RYPAA0301 | Riley Laterite Area A | 367269.5 | 5376939.5 | 2188.3 | 2.1 | Wynyard Contracting | 20t excavator | SJ | 11/01/2012 | |
| D | RYPAA0302 | Riley Laterite Area A | 367302.2 | 5376904.0 | 2190.1 | 4.6 | Wynyard Contracting | 20t excavator | SJ | 11/01/2012 | |
| D | RYPAA0303 | Riley Laterite Area A | 367342.1 | 5376864.6 | 2190.9 | 2.1 | Wynyard Contracting | 20t excavator | SJ | 11/01/2012 | |
| D | RYPAA0304 | Riley Laterite Area A | 367376.2 | 5376835.5 | 2190.6 | 2.0 | Wynyard Contracting | 20t excavator | SJ | 11/01/2012 | |
| D | RYPAA0305 | Riley Laterite Area A | 367397.3 | 5376816.3 | 2189.9 | 2.0 | Wynyard Contracting | 20t excavator | SJ | 11/01/2012 | |
| D | RYPAA0306 | Riley Laterite Area A | 367430.5 | 5376783.0 | 2188.2 | 2.1 | Wynyard Contracting | 20t excavator | SJ | 11/01/2012 | |
| D | RYPAA0401 | Riley Laterite Area A | 367342.9 | 5377015.9 | 2191.7 | 4.0 | Wynyard Contracting | 20t excavator | JKS | 10/01/2012 | |
| D | RYPAA0402 | Riley Laterite Area A | 367373.8 | 5376976.9 | 2191.5 | 4.0 | Wynyard Contracting | 20t excavator | JKS | 10/01/2012 | |
| D | RYPAA0403 | Riley Laterite Area A | 367409.2 | 5376960.1 | 2191.0 | 2.5 | Wynyard Contracting | 20t excavator | SJ | 11/01/2012 | |
| D | RYPAA0404 | Riley Laterite Area A | 367443.7 | 5376917.1 | 2187.6 | 2.0 | Wynyard Contracting | 20t excavator | SJ | 11/01/2012 | |
| D | RYPAA0501 | Riley Laterite Area A | 367393.0 | 5377105.0 | 2184.2 | 4.0 | Wynyard Contracting | 20t excavator | JKS | 10/01/2012 | |
| D | RYPAA0502 | Riley Laterite Area A | 367424.0 | 5377084.2 | 2188.4 | 4.0 | Wynyard Contracting | 20t excavator | JKS | 10/01/2012 | |
| D | RYPAA0503 | Riley Laterite Area A | 367432.5 | 5377057.4 | 2190.7 | 5.0 | Wynyard Contracting | 20t excavator | JKS | 10/01/2012 | |
| D | RYPAA0504 | Riley Laterite Area A | 367471.2 | 5377019.7 | 2192.4 | 2.3 | Wynyard Contracting | 20t excavator | JS | 1/02/2012 | |
| D | RYPAA0505 | Riley Laterite Area A | 367506.4 | 5376986.5 | 2186.3 | 5.0 | Wynyard Contracting | 20t excavator | JKS | 10/01/2012 | |
| D | RYPAA0506 | Riley Laterite Area A | 367545.8 | 5376964.3 | 2184.9 | 6.0 | Wynyard Contracting | 20t excavator | JKS | 10/01/2012 | |
| D | RYPAA0507 | Riley Laterite Area A | 367567.2 | 5376937.5 | 2185.6 | 5.0 | Wynyard Contracting | 20t excavator | JKS | 10/01/2012 | |
| D | RYPAA0508 | Riley Laterite Area A | 367608.7 | 5376898.4 | 2190.0 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0509 | Riley Laterite Area A | 367627.1 | 5376872.0 | 2189.4 | 4.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0510 | Riley Laterite Area A | 367658.7 | 5376856.4 | 2185.6 | 4.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0511 | Riley Laterite Area A | 367714.1 | 5376798.0 | 2171.1 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0601 | Riley Laterite Area A | 367478.2 | 5377174.1 | 2182.6 | 1.1 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0602 | Riley Laterite Area A | 367515.5 | 5377126.6 | 2195.4 | 2.7 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0603 | Riley Laterite Area A | 367542.4 | 5377081.0 | 2196.5 | 4.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0604 | Riley Laterite Area A | 367580.2 | 5377066.1 | 2199.1 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0605 | Riley Laterite Area A | 367616.5 | 5377032.1 | 2199.7 | 5.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0606 | Riley Laterite Area A | 367643.3 | 5376998.5 | 2201.0 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0607 | Riley Laterite Area A | 367695.0 | 5376960.7 | 2191.6 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0608 | Riley Laterite Area A | 367715.0 | 5376944.6 | 2184.0 | 5.0 | Wynyard Contracting | 20t excavator | JKS | 9/01/2012 | |
| D | RYPAA0609 | Riley Laterite Area C | 367798.4 | 5376903.4 | 2184.2 | 4.0 | Wynyard Contracting | 20t excavator | AL | 13/01/2012 | |
| D | RYPAA0610 | Riley Laterite Area C | 367836.5 | 5376866.1 | 2188.7 | 5.9 | Wynyard Contracting | 20t excavator | AL | 13/01/2012 | |
| D | RYPAA0611 | Riley Laterite Area C | 367855.1 | 5376853.5 | 2191.4 | 0.5 | Wynyard Contracting | 20t excavator | AL | 13/01/2012 | |
| D | RYPAA0701 | Riley Laterite Area A | 367642.2 | 5377176.2 | 2194.7 | 2.5 | Wynyard Contracting | 20t excavator | SJ | 5/01/2012 | |
| D | RYPAA0702 | Riley Laterite Area A | 367672.8 | 5377153.8 | 2202.9 | 3.3 | Wynyard Contracting | 20t excavator | SJ | 5/01/2012 | |
| D | RYPAA0703 | Riley Laterite Area A | 367704.9 | 5377110.1 | 2209.8 | 3.4 | Wynyard Contracting | 20t excavator | SJ | 5/01/2012 | |
| D | RYPAA0704 | Riley Laterite Area A | 367731.3 | 5377066.5 | 2204.7 | 2.0 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0705 | Riley Laterite Area A | 367776.1 | 5377038.0 | 2199.6 | 2.5 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0706 | Riley Laterite Area A | 367810.1 | 5377007.0 | 2195.6 | 2.7 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0707 | Riley Laterite Area A | 367837.8 | 5376959.1 | 2191.0 | 2.5 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0708 | Riley Laterite Area A | 367874.4 | 5376920.1 | 2195.5 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0709 | Riley Laterite Area A | 367913.8 | 5376891.2 | 2192.5 | 2.0 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0710 | Riley Laterite Area A | 367949.4 | 5376853.3 | 2188.3 | 1.6 | Wynyard Contracting | 20t excavator | JKS | 6/01/2012 | |
| D | RYPAA0801 | Riley Laterite Area A | 367748.5 | 5377202.0 | 2197.5 | 2.4 | Wynyard Contracting | 20t excavator | SJ | 21/12/2011 | |
| D | RYPAA0802 | Riley Laterite Area A | 367778.3 | 5377164.8 | 2210.3 | 4.1 | Wynyard Contracting | 20t excavator | SJ | 5/01/2012 | |
| D | RYPAA0803 | Riley Laterite Area A | 367803.0 | 5377130.5 | 2217.4 | 3.5 | Wynyard Contracting | 20t excavator | SJ | 5/01/2012 | |
| D | RYPAA0804 | Riley Laterite Area A | 367845.4 | 5377095.9 | 2219.2 | 4.5 | Wynyard Contracting | 20t excavator | WD | 3/02/2012 | |
| D | RYPAA0805 | Riley Laterite Area A | 367875.3 | 5377060.6 | 2216.7 | 4.0 | Wynyard Contracting | 20t excavator | SJ | 5/01/2012 | |
| D | RYPAA0806 | Riley Laterite Area A | 367915.6 | 5377031.5 | 2211.8 | 2.3 | Wynyard Contracting | 20t excavator | SJ | 5/01/2012 | |
| D | RYPAA0807 | Riley Laterite Area A | 367951.9 | 5376999.0 | 2206.7 | 2.5 | Wynyard Contracting | 20t excavator | SJ | 5/01/2012 | |
| D | RYPAA0901 | Riley Laterite Area A | 367830.1 | 5377224.5 | 2202.2 | 2.7 | Wynyard Contracting | 20t excavator | SJ | 20/12/2011 | |
| D | RYPAA0902 | Riley Laterite Area A | 367869.1 | 5377192.6 | 2216.5 | 3.0 | Wynyard Contracting | 20t excavator | SJ | 20/12/2011 | |
| D | RYPAA0903 | Riley Laterite Area A | 367899.3 | 5377158.0 | 2223.3 | 3.3 | Wynyard Contracting | 20t excavator | SJ | 21/12/2011 | |
| D | RYPAA0904 | Riley Laterite Area A | 367944.8 | 5377118.3 | 2226.6 | 2.6 | Wynyard Contracting | 20t excavator | SJ | 21/12/2011 | |
| D | RYPAA0905 | Riley Laterite Area A | 367971.9 | 5377089.0 | 2222.9 | 3.2 | Wynyard Contracting | 20t excavator | SJ | 21/12/2011 | |
| D | RYPAA0906 | Riley Laterite Area A | 368013.0 | 5377048.9 | 2211.4 | 1.6 | Wynyard Contracting | 20t excavator | SJ | 21/12/2011 | |
| D | RYPAA0907 | Riley Laterite Area A | 368046.3 | 5377004.6 | 2204.7 | 2.5 | Wynyard Contracting | 20t excavator | SJ | 21/12/2011 | |
| D | RYPAA0908 | Riley Laterite Area A | 368091.9 | 5376960.6 | 2193.8 | 3.9 | Wynyard Contracting | 20t excavator | SJ | 21/12/2011 | |
| D | RYPAA0909 | Riley Laterite Area A | 368119.8 | 5376932.0 | 2188.3 | 2.7 | Wynyard Contracting | 20t excavator | SJ | 21/12/2011 | |
| D | RYPAA1001 | Riley Laterite Area A | 367900.8 | 5377273.5 | 2211.5 | 2.7 | Wynyard Contracting | 20t excavator | SJ | 19/12/2011 | |
| D | RYPAA1002 | Riley Laterite Area A | 367930.0 | 5377230.8 | 2224.5 | 3.7 | Wynyard Contracting | 20t excavator | SJ | 19/12/2011 | |

Appendix D: EL45/2010 Riley Laterites Test Pit Locations

| H1000 | Test_Pit | Prospect | E_MGA55 | N_MGA55 | RL2000 | Depth_m | Pitting_Contractor | Pitting_Equipment | Logged | Date_finished |
|-------|----------|-----------------------|----------|-----------|--------|---------|---------------------|-------------------|--------|---------------|
| H1001 | | | metres | metres | metres | metres | | | | |
| D | RYPA1003 | Riley Laterite Area A | 367954.8 | 5377204.4 | 2230.3 | 3.0 | Wynyard Contracting | 20t excavator | SJ | 20/12/2011 |
| D | RYPA1004 | Riley Laterite Area A | 367981.1 | 5377157.1 | 2230.1 | 2.1 | Wynyard Contracting | 20t excavator | SJ | 20/12/2011 |
| D | RYPA1005 | Riley Laterite Area A | 368025.8 | 5377128.3 | 2223.7 | 2.2 | Wynyard Contracting | 20t excavator | SJ | 20/12/2011 |
| D | RYPA1006 | Riley Laterite Area A | 368054.0 | 5377096.8 | 2212.9 | 2.0 | Wynyard Contracting | 20t excavator | SJ | 20/12/2011 |
| D | RYPA1007 | Riley Laterite Area A | 368078.8 | 5377041.7 | 2201.5 | 2.1 | Wynyard Contracting | 20t excavator | SJ | 20/12/2011 |
| D | RYPA1008 | Riley Laterite Area A | 368129.3 | 5377018.1 | 2192.2 | 3.9 | Wynyard Contracting | 20t excavator | SJ | 20/12/2011 |
| D | RYPA1101 | Riley Laterite Area A | 367954.1 | 5377305.1 | 2216.7 | 2.5 | Wynyard Contracting | 20t excavator | SJ | 19/12/2011 |
| D | RYPA1102 | Riley Laterite Area A | 367992.1 | 5377289.6 | 2225.7 | 2.1 | Wynyard Contracting | 20t excavator | SJ | 19/12/2011 |
| D | RYPA1103 | Riley Laterite Area A | 368017.8 | 5377260.0 | 2232.5 | 2.8 | Wynyard Contracting | 20t excavator | SJ | 19/12/2011 |
| D | RYPA1104 | Riley Laterite Area A | 368056.7 | 5377221.3 | 2225.4 | 2.1 | Wynyard Contracting | 20t excavator | SJ | 19/12/2011 |
| D | RYPA1105 | Riley Laterite Area A | 368097.2 | 5377189.5 | 2214.4 | 1.3 | Wynyard Contracting | 20t excavator | SJ | 19/12/2011 |
| D | RYPA1106 | Riley Laterite Area A | 368122.8 | 5377167.3 | 2207.7 | 1.8 | Wynyard Contracting | 20t excavator | SJ | 19/12/2011 |
| D | RYPB0711 | Riley Laterite Area B | 368037.2 | 5376774.4 | 2177.2 | 0.9 | Wynyard Contracting | 20t excavator | JS | 31/01/2012 |
| D | RYPB0808 | Riley Laterite Area B | 368090.6 | 5376848.0 | 2184.2 | 3.4 | Wynyard Contracting | 20t excavator | AL | 27/01/2012 |
| D | RYPB0809 | Riley Laterite Area B | 368129.8 | 5376812.8 | 2179.4 | 1.0 | Wynyard Contracting | 20t excavator | AL | 27/01/2012 |
| D | RYPB1009 | Riley Laterite Area B | 368357.8 | 5376867.4 | 2185.3 | 0.7 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPB1107 | Riley Laterite Area B | 368245.4 | 5377092.8 | 2197.6 | 0.1 | Wynyard Contracting | 20t excavator | AL | 27/01/2012 |
| D | RYPB1108 | Riley Laterite Area B | 368387.4 | 5376988.9 | 2189.9 | 1.0 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPB1109 | Riley Laterite Area B | 368425.5 | 5376939.7 | 2188.7 | 1.3 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPB1201 | Riley Laterite Area B | 368355.1 | 5377142.8 | 2203.1 | 3.3 | Wynyard Contracting | 20t excavator | AL | 27/01/2012 |
| D | RYPB1202 | Riley Laterite Area B | 368468.5 | 5377043.2 | 2193.1 | 1.1 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPB1301 | Riley Laterite Area B | 368448.6 | 5377185.5 | 2202.5 | 4.2 | Wynyard Contracting | 20t excavator | AL | 27/01/2012 |
| D | RYPB1302 | Riley Laterite Area B | 368492.3 | 5377136.0 | 2197.6 | 2.2 | Wynyard Contracting | 20t excavator | AL | 27/01/2012 |
| D | RYPB1401 | Riley Laterite Area B | 368470.2 | 5377275.9 | 2207.9 | 3.2 | Wynyard Contracting | 20t excavator | AL | 27/01/2012 |
| D | RYPC0307 | Riley Laterite Area C | 367701.2 | 5376553.4 | 2187.6 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 19/01/2012 |
| D | RYPC0308 | Riley Laterite Area C | 367731.5 | 5376503.5 | 2186.7 | 3.3 | Wynyard Contracting | 20t excavator | JKS | 19/01/2012 |
| D | RYPC0309 | Riley Laterite Area C | 367773.4 | 5376479.5 | 2186.7 | 3.5 | Wynyard Contracting | 20t excavator | JKS | 19/01/2012 |
| D | RYPC0310 | Riley Laterite Area C | 367820.9 | 5376422.8 | 2187.1 | 2.2 | Wynyard Contracting | 20t excavator | JKS | 19/01/2012 |
| D | RYPC0311 | Riley Laterite Area C | 367838.3 | 5376403.4 | 2187.3 | 2.1 | Wynyard Contracting | 20t excavator | JKS | 19/01/2012 |
| D | RYPC0312 | Riley Laterite Area C | 367866.2 | 5376371.4 | 2186.3 | 2.9 | Wynyard Contracting | 20t excavator | JKS | 19/01/2012 |
| D | RYPC0405 | Riley Laterite Area C | 367770.0 | 5376617.1 | 2185.2 | 4.0 | Wynyard Contracting | 20t excavator | JKS | 18/01/2012 |
| D | RYPC0406 | Riley Laterite Area C | 367797.1 | 5376589.7 | 2186.9 | 2.8 | Wynyard Contracting | 20t excavator | JKS | 18/01/2012 |
| D | RYPC0407 | Riley Laterite Area C | 367832.1 | 5376545.1 | 2188.0 | 2.8 | Wynyard Contracting | 20t excavator | JKS | 18/01/2012 |
| D | RYPC0408 | Riley Laterite Area C | 367877.4 | 5376504.6 | 2187.9 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 18/01/2012 |
| D | RYPC0409 | Riley Laterite Area C | 367908.6 | 5376470.5 | 2187.7 | 2.0 | Wynyard Contracting | 20t excavator | JKS | 18/01/2012 |
| D | RYPC0410 | Riley Laterite Area C | 367944.1 | 5376442.7 | 2187.9 | 2.3 | Wynyard Contracting | 20t excavator | JKS | 18/01/2012 |
| D | RYPC0512 | Riley Laterite Area C | 367857.1 | 5376638.0 | 2178.1 | 3.9 | Wynyard Contracting | 20t excavator | AL | 17/01/2012 |
| D | RYPC0513 | Riley Laterite Area C | 367883.0 | 5376621.1 | 2185.7 | 0.7 | Wynyard Contracting | 20t excavator | AL | 17/01/2012 |
| D | RYPC0514 | Riley Laterite Area C | 367915.4 | 5376604.8 | 2189.8 | 1.2 | Wynyard Contracting | 20t excavator | AL | 17/01/2012 |
| D | RYPC0515 | Riley Laterite Area C | 367943.2 | 5376580.8 | 2188.7 | 3.8 | Wynyard Contracting | 20t excavator | AL | 17/01/2012 |
| D | RYPC0516 | Riley Laterite Area C | 367991.1 | 5376531.0 | 2189.8 | 2.0 | Wynyard Contracting | 20t excavator | AL | 17/01/2012 |
| D | RYPC0517 | Riley Laterite Area C | 368019.9 | 5376492.5 | 2188.1 | 1.9 | Wynyard Contracting | 20t excavator | AL | 17/01/2012 |
| D | RYPC0518 | Riley Laterite Area C | 368043.9 | 5376471.8 | 2185.8 | 2.2 | Wynyard Contracting | 20t excavator | AL | 17/01/2012 |
| D | RYPC0612 | Riley Laterite Area C | 367992.8 | 5376673.4 | 2178.5 | 1.4 | Wynyard Contracting | 20t excavator | AL | 13/01/2012 |
| D | RYPC0613 | Riley Laterite Area C | 368013.2 | 5376647.2 | 2187.2 | 1.9 | Wynyard Contracting | 20t excavator | AL | 13/01/2012 |
| D | RYPC0614 | Riley Laterite Area C | 368052.5 | 5376616.5 | 2189.9 | 2.7 | Wynyard Contracting | 20t excavator | AL | 16/01/2012 |
| D | RYPC0615 | Riley Laterite Area C | 368083.1 | 5376573.3 | 2189.6 | 2.7 | Wynyard Contracting | 20t excavator | AL | 16/01/2012 |
| D | RYPC0616 | Riley Laterite Area C | 368126.6 | 5376523.0 | 2189.2 | 2.2 | Wynyard Contracting | 20t excavator | AL | 16/01/2012 |
| D | RYPC0617 | Riley Laterite Area C | 368150.2 | 5376502.2 | 2189.4 | 2.6 | Wynyard Contracting | 20t excavator | AL | 16/01/2012 |
| D | RYPC0618 | Riley Laterite Area C | 368185.3 | 5376488.2 | 2190.8 | 2.2 | Wynyard Contracting | 20t excavator | AL | 16/01/2012 |
| D | RYPC0619 | Riley Laterite Area C | 368221.8 | 5376431.3 | 2188.4 | 1.6 | Wynyard Contracting | 20t excavator | AL | 16/01/2012 |
| D | RYPC0620 | Riley Laterite Area C | 368254.7 | 5376395.0 | 2189.7 | 1.2 | Wynyard Contracting | 20t excavator | AL | 17/01/2012 |
| D | RYPC0712 | Riley Laterite Area C | 368090.7 | 5376703.1 | 2186.2 | 3.2 | Wynyard Contracting | 20t excavator | JKS | 20/01/2012 |
| D | RYPC0713 | Riley Laterite Area C | 368126.0 | 5376680.5 | 2189.9 | 3.7 | Wynyard Contracting | 20t excavator | JKS | 20/01/2012 |
| D | RYPC0714 | Riley Laterite Area C | 368155.1 | 5376638.3 | 2191.2 | 2.3 | Wynyard Contracting | 20t excavator | JKS | 20/01/2012 |
| D | RYPC0715 | Riley Laterite Area C | 368188.1 | 5376596.8 | 2194.7 | 1.9 | Wynyard Contracting | 20t excavator | JS | 1/02/2012 |
| D | RYPC0716 | Riley Laterite Area C | 368251.1 | 5376529.3 | 2199.2 | 3.3 | Wynyard Contracting | 20t excavator | JKS | 20/01/2012 |
| D | RYPC0717 | Riley Laterite Area C | 368268.2 | 5376494.7 | 2197.1 | 3.6 | Wynyard Contracting | 20t excavator | JKS | 20/01/2012 |
| D | RYPC0718 | Riley Laterite Area C | 368305.3 | 5376453.2 | 2195.6 | 3.3 | Wynyard Contracting | 20t excavator | JKS | 20/01/2012 |
| D | RYPC0719 | Riley Laterite Area C | 368348.9 | 5376412.8 | 2198.4 | 3.5 | Wynyard Contracting | 20t excavator | JKS | 20/01/2012 |
| D | RYPC0720 | Riley Laterite Area C | 368390.4 | 5376376.6 | 2194.6 | 3.0 | Wynyard Contracting | 20t excavator | JKS | 20/01/2012 |
| D | RYPC0810 | Riley Laterite Area C | 368213.9 | 5376746.3 | 2187.0 | 2.1 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0811 | Riley Laterite Area C | 368245.0 | 5376704.3 | 2195.9 | 2.7 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0812 | Riley Laterite Area C | 368277.2 | 5376680.1 | 2201.6 | 2.3 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0813 | Riley Laterite Area C | 368294.6 | 5376632.6 | 2207.3 | 2.5 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0814 | Riley Laterite Area C | 368338.1 | 5376592.4 | 2212.9 | 2.6 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0815 | Riley Laterite Area C | 368378.8 | 5376556.1 | 2212.4 | 2.7 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0816 | Riley Laterite Area C | 368401.7 | 5376529.2 | 2212.1 | 2.4 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0817 | Riley Laterite Area C | 368442.0 | 5376483.9 | 2208.4 | 3.4 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0818 | Riley Laterite Area C | 368467.8 | 5376452.3 | 2203.1 | 2.0 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0819 | Riley Laterite Area C | 368503.6 | 5376414.0 | 2197.5 | 3.0 | Wynyard Contracting | 20t excavator | SJ | 23/01/2012 |
| D | RYPC0911 | Riley Laterite Area C | 368294.4 | 5376797.8 | 2185.2 | 2.2 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0912 | Riley Laterite Area C | 368321.9 | 5376762.4 | 2191.7 | 2.8 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0913 | Riley Laterite Area C | 368357.8 | 5376718.4 | 2202.2 | 3.2 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0914 | Riley Laterite Area C | 368395.5 | 5376690.0 | 2210.5 | 2.3 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0915 | Riley Laterite Area C | 368425.1 | 5376666.9 | 2216.2 | 2.5 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0916 | Riley Laterite Area C | 368450.5 | 5376631.1 | 2221.5 | 2.6 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0917 | Riley Laterite Area C | 368480.5 | 5376600.5 | 2223.3 | 1.7 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0918 | Riley Laterite Area C | 368516.3 | 5376558.0 | 2219.9 | 2.4 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC0919 | Riley Laterite Area C | 368546.9 | 5376492.5 | 2211.3 | 2.4 | Wynyard Contracting | 20t excavator | SJ | 24/01/2012 |
| D | RYPC1010 | Riley Laterite Area C | 368392.3 | 5376830.1 | 2187.5 | 1.0 | Wynyard Contracting | 20t excavator | AL | 26/01/2012 |
| D | RYPC1011 | Riley Laterite Area C | 368419.6 | 5376784.6 | 2198.6 | 2.3 | Wynyard Contracting | 20t excavator | AL | 26/01/2012 |
| D | RYPC1012 | Riley Laterite Area C | 368449.1 | 5376738.2 | 2207.9 | 3.7 | Wynyard Contracting | 20t excavator | AL | 25/01/2012 |
| D | RYPC1013 | Riley Laterite Area C | 368477.5 | 5376718.8 | 2214.2 | 2.0 | Wynyard Contracting | 20t excavator | AL | 25/01/2012 |
| D | RYPC1014 | Riley Laterite Area C | 368516.2 | 5376682.2 | 2220.8 | 3.0 | Wynyard Contracting | 20t excavator | AL | 25/01/2012 |
| D | RYPC1015 | Riley Laterite Area C | 368543.6 | 5376661.1 | 2224.1 | 3.3 | Wynyard Contracting | 20t excavator | AL | 25/01/2012 |
| D | RYPC1016 | Riley Laterite Area C | 368587.7 | 5376622.7 | 2221.6 | 3.5 | Wynyard Contracting | 20t excavator | AL | 25/01/2012 |
| D | RYPC1017 | Riley Laterite Area C | 368622.0 | 5376565.4 | 2210.9 | 2.0 | Wynyard Contracting | 20t excavator | AL | 25/01/2012 |
| D | RYPC1018 | Riley Laterite Area C | 368641.9 | 5376543.2 | 2207.5 | 2.0 | Wynyard Contracting | 20t excavator | AL | 25/01/2012 |
| D | RYPC1110 | Riley Laterite Area C | 368481.1 | 5376873.8 | 2189.1 | 1.1 | Wynyard Contracting | 20t excavator | AL | 27/01/2011 |
| D | RYPC1111 | Riley Laterite Area C | 368508.1 | 5376848.5 | 2195.9 | 2.7 | Wynyard Contracting | 20t excavator | AL | 27/01/2011 |
| D | RYPC1112 | Riley Laterite Area C | 368525.2 | 5376812.4 | 2206.5 | 3.7 | Wynyard Contracting | 20t excavator | AL | 26/01/2012 |

Appendix D: EL45/2010 Riley Laterites Test Pit Locations

| H1000 | Test_Pit | Prospect | E_MGA55 | N_MGA55 | RL2000 | Depth_m | Pitting_Contractor | Pitting_Equipment | Logged | Date_finished |
|-------|----------|-----------------------|----------|-----------|--------|---------|---------------------|-------------------|--------|---------------|
| H1001 | | | metres | metres | metres | metres | | | | |
| D | RYPC1113 | Riley Laterite Area C | 368551.6 | 5376784.5 | 2212.7 | 3.2 | Wynyard Contracting | 20t excavator | JS | 31/01/2012 |
| D | RYPC1114 | Riley Laterite Area C | 368589.2 | 5376753.9 | 2221.3 | 2.7 | Wynyard Contracting | 20t excavator | AL | 26/01/2012 |
| D | RYPC1115 | Riley Laterite Area C | 368618.8 | 5376728.6 | 2227.2 | 4.5 | Wynyard Contracting | 20t excavator | AL | 26/01/2012 |
| D | RYPC1116 | Riley Laterite Area C | 368655.2 | 5376684.3 | 2222.0 | 2.8 | Wynyard Contracting | 20t excavator | AL | 26/01/2012 |
| D | RYPC1117 | Riley Laterite Area C | 368685.7 | 5376640.6 | 2213.2 | 2.2 | Wynyard Contracting | 20t excavator | AL | 26/01/2012 |
| D | RYPC1118 | Riley Laterite Area C | 368701.8 | 5376607.2 | 2210.6 | 1.7 | Wynyard Contracting | 20t excavator | AL | 26/01/2012 |
| D | RYPC1203 | Riley Laterite Area C | 368510.5 | 5377011.0 | 2194.3 | 1.1 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPC1204 | Riley Laterite Area C | 368539.4 | 5376978.8 | 2196.9 | 2.7 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPC1205 | Riley Laterite Area C | 368567.4 | 5376936.6 | 2199.7 | 2.2 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPC1206 | Riley Laterite Area C | 368604.3 | 5376891.8 | 2209.7 | 2.9 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPC1207 | Riley Laterite Area C | 368628.3 | 5376855.1 | 2220.0 | 2.6 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPC1208 | Riley Laterite Area C | 368668.0 | 5376829.6 | 2229.6 | 3.8 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPC1209 | Riley Laterite Area C | 368685.6 | 5376804.3 | 2228.6 | 2.5 | Wynyard Contracting | 20t excavator | JS | 30/01/2012 |
| D | RYPC1210 | Riley Laterite Area C | 368739.3 | 5376757.0 | 2222.2 | 2.5 | Wynyard Contracting | 20t excavator | WD | 2/02/2012 |
| D | RYPC1211 | Riley Laterite Area C | 368763.2 | 5376722.1 | 2213.1 | 2.9 | Wynyard Contracting | 20t excavator | WD | 2/02/2012 |
| D | RYPC1303 | Riley Laterite Area C | 368571.5 | 5377073.2 | 2203.7 | 3.9 | Wynyard Contracting | 20t excavator | WD | 3/02/2012 |
| D | RYPC1304 | Riley Laterite Area C | 368607.0 | 5377036.1 | 2208.8 | 3.7 | Wynyard Contracting | 20t excavator | WD | 3/02/2012 |
| D | RYPC1305 | Riley Laterite Area C | 368641.3 | 5376994.0 | 2215.2 | 3.4 | Wynyard Contracting | 20t excavator | WD | 2/02/2012 |
| D | RYPC1306 | Riley Laterite Area C | 368675.8 | 5376963.2 | 2224.0 | 3.6 | Wynyard Contracting | 20t excavator | WD | 2/02/2012 |
| D | RYPC1307 | Riley Laterite Area C | 368705.1 | 5376924.2 | 2231.2 | 6.5 | Wynyard Contracting | 20t excavator | WD | 2/02/2012 |
| D | RYPC1308 | Riley Laterite Area C | 368736.0 | 5376891.2 | 2239.1 | 3.3 | Wynyard Contracting | 20t excavator | WD | 2/02/2012 |
| D | RYPC1309 | Riley Laterite Area C | 368753.3 | 5376861.9 | 2236.1 | 1.5 | Wynyard Contracting | 20t excavator | WD | 2/02/2012 |
| D | RYPC1402 | Riley Laterite Area C | 368640.9 | 5377105.9 | 2212.0 | 1.8 | Wynyard Contracting | 20t excavator | WD | 3/02/2012 |
| D | RYPC1403 | Riley Laterite Area C | 368689.1 | 5377070.3 | 2220.5 | 2.0 | Wynyard Contracting | 20t excavator | WD | 3/02/2012 |
| D | RYPC1404 | Riley Laterite Area C | 368752.2 | 5376988.2 | 2236.1 | 1.6 | Wynyard Contracting | 20t excavator | WD | 3/02/2012 |
| EOF | | | | | | | | | | |

Appendix E

Riley Test Pit Assays

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | From_m | To_m | Interval_m | Sample | Batch | Ascheme | Mass+1mm | Fe_>1mm | Si_>1mm | Al_>1mm | Ca_>1mm | Cl_>1mm | K_>1mm | Mg_>1mm | Mn_>1mm | Na_>1mm | P_>1mm | S_>1mm | |
|-------|----------|--------|--------|------------|---------------|--------------|--------------|----------|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|--------|---|
| | | metres | metres | metres | | | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| D | RYPA0403 | 0.9 | 2.2 | 1.3 | A0403_0.9-2.2 | BV3377(sub1) | BV-C&S,XF100 | 63.84615 | 51.18 | 0.74 | 2.29 | -0.01 | 0.008 | 0.006 | 0.16 | 0.19 | -999 | 0.021 | 0.075 | |
| D | RYPA0404 | 0 | 0.3 | 0.3 | A0404_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 77.88461 | 55.03 | 1.89 | 1.85 | -0.01 | 0.006 | 0.008 | 0.08 | 0.06 | -999 | 0.042 | 0.115 | |
| D | RYPA0404 | 0.3 | 1 | 0.7 | A0404_0.3-1 | BV3377(sub1) | BV-C&S,XF100 | 78.67435 | 51.22 | 1.89 | 2.42 | -0.01 | 0.008 | 0.009 | 0.12 | 0.09 | -999 | 0.06 | 0.109 | |
| D | RYPA0501 | 0 | 0.7 | 0.7 | A0501_0-0.7 | BV3377(sub1) | BV-C&S,XF100 | 87.9845 | 58.97 | 1.38 | 1.28 | -0.01 | 0.009 | 0.006 | 0.08 | 0.06 | -999 | 0.033 | 0.08 | |
| D | RYPA0501 | 0.7 | 1 | 0.3 | A0501_0.7-1 | BV3377(sub1) | BV-C&S,XF100 | 78.15443 | 52.69 | 2.85 | 1.64 | -0.01 | 0.008 | 0.006 | 0.16 | 0.06 | -999 | 0.021 | 0.141 | |
| D | RYPA0502 | 0 | 0.3 | 0.3 | A0502_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 85.20626 | 56.9 | 1.88 | 1.24 | -0.01 | 0.01 | 0.005 | 0.08 | 0.07 | -999 | 0.031 | 0.051 | |
| D | RYPA0503 | 0.6 | 2.1 | 1.5 | A0503_0.6-2.1 | BV3377(sub1) | BV-C&S,XF100 | 87.94643 | 56.68 | 2.15 | 1.1 | -0.01 | 0.006 | 0.006 | 0.08 | 0.09 | -999 | 0.037 | 0.085 | |
| D | RYPA0503 | 2.1 | 4.7 | 2.6 | A0503_2.1-4.7 | BV3377(sub1) | BV-C&S,XF100 | 69.92754 | 49.94 | 1.76 | 2.24 | -0.01 | 0.008 | 0.006 | 0.15 | 0.14 | -999 | 0.016 | 0.071 | |
| D | RYPA0504 | 0 | 0.3 | 0.3 | A0504_0-0.3 | BV3377(sub2) | BV-C&S,XF100 | 95.91969 | 64 | 0.51 | 0.75 | 0 | 0.003 | -0.001 | 0.04 | 0.089 | -999 | 0.054 | 0.037 | |
| D | RYPA0504 | 0.3 | 1.1 | 0.8 | A0504_0.3-1.1 | BV3377(sub2) | BV-C&S,XF100 | 85.18519 | 58.33 | 1.59 | 1.11 | 0 | 0.003 | 0.001 | 0.07 | 0.101 | -999 | 0.034 | 0.089 | |
| D | RYPA0504 | 1.1 | 1.3 | 0.2 | A0504_1.1-1.3 | BV3377(sub2) | BV-C&S,XF100 | 71.17989 | 51.97 | 2.17 | 2.23 | 0 | 0.006 | 0.007 | 0.08 | 0.081 | -999 | 0.025 | 0.09 | |
| D | RYPA0505 | 0 | 0.6 | 0.6 | A0505_0-0.6 | BV3377(sub1) | BV-C&S,XF100 | 96.00665 | 63.36 | 0.86 | 0.85 | -0.01 | 0.007 | 0.004 | 0.05 | 0.08 | -999 | 0.045 | 0.043 | |
| D | RYPA0506 | 0 | 0.6 | 0.6 | A0506_0-0.6 | BV3377(sub1) | BV-C&S,XF100 | 83.12571 | 59.74 | 0.89 | 1.42 | -0.01 | 0.006 | 0.007 | 0.05 | 0.07 | -999 | 0.036 | 0.039 | |
| D | RYPA0507 | 0 | 0.5 | 0.5 | A0507_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 77.05146 | 57.81 | 1.44 | 1.69 | -0.01 | 0.008 | 0.007 | 0.07 | 0.07 | -999 | 0.031 | 0.05 | |
| D | RYPA0510 | 0 | 0.8 | 0.8 | A0510_0-0.8 | BV3377(sub1) | BV-C&S,XF100 | 75.46296 | 56.57 | 2.24 | 1.67 | -0.01 | 0.009 | 0.006 | 0.08 | 0.03 | -999 | 0.022 | 0.075 | |
| D | RYPA0511 | 0 | 0.5 | 0.5 | A0511_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 57.83972 | 51.38 | 4.05 | 2.34 | 0.02 | 0.008 | 0.019 | 0.21 | 0.06 | -999 | 0.024 | 0.033 | |
| D | RYPA0601 | 0 | 0.3 | 0.3 | A0601_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 68.85246 | 50.36 | 2.99 | 2.01 | 0.04 | 0.014 | 0.017 | 1.12 | 0.83 | -999 | 0.026 | 0.041 | |
| D | RYPA0602 | 0 | 0.7 | 0.7 | A0602_0-0.7 | BV3377(sub1) | BV-C&S,XF100 | 58.04196 | 49.85 | 1.5 | 2.06 | -0.01 | 0.014 | 0.009 | 0.05 | 0.24 | -999 | 0.02 | 0.108 | |
| D | RYPA0603 | 1.3 | 1.7 | 0.4 | A0603_1.3-1.7 | BV3377(sub1) | BV-C&S,XF100 | 53.78973 | 44.04 | 4.83 | 3.11 | -0.01 | 0.02 | 0.059 | 0.12 | 0.04 | -999 | 0.018 | 0.082 | |
| D | RYPA0604 | 0 | 0.6 | 0.6 | A0604_0-0.6 | BV3377(sub1) | BV-C&S,XF100 | 83.40727 | 58.42 | 1 | 1.34 | -0.01 | 0.009 | -0.001 | 0.08 | 0.06 | -999 | 0.028 | 0.07 | |
| D | RYPA0604 | 0.6 | 1.1 | 0.5 | A0604_0.6-1.1 | BV3377(sub1) | BV-C&S,XF100 | 69.15254 | 51.9 | 0.88 | 2.42 | -0.01 | 0.019 | 0.005 | 0.1 | 0.03 | -999 | 0.011 | 0.102 | |
| D | RYPA0605 | 0 | 0.7 | 0.7 | A0605_0-0.7 | BV3377(sub1) | BV-C&S,XF100 | 90.30956 | 61.21 | 0.73 | 1.09 | 0.02 | 0.017 | 0.002 | 0.08 | 0.09 | -999 | 0.042 | 0.053 | |
| D | RYPA0606 | 0 | 0.8 | 0.8 | A0606_0-0.8 | BV3377(sub1) | BV-C&S,XF100 | 90.74803 | 61.45 | 0.7 | 1.12 | 0.02 | 0.008 | 0.003 | 0.07 | 0.07 | -999 | 0.041 | 0.049 | |
| D | RYPA0607 | 0 | 0.8 | 0.8 | A0607_0-0.8 | BV3377(sub1) | BV-C&S,XF100 | 86.38969 | 62.12 | 0.93 | 1.03 | 0.01 | 0.007 | 0.003 | 0.05 | 0.08 | -999 | 0.041 | 0.043 | |
| D | RYPA0608 | 0 | 1.1 | 1.1 | A0608_0-1.1 | BV3377(sub1) | BV-C&S,XF100 | 87.27615 | 60.65 | 1.21 | 1.13 | 0.02 | 0.005 | -0.001 | 0.08 | 0.08 | -999 | 0.04 | 0.054 | |
| D | RYPA0608 | 1.1 | 1.3 | 0.2 | A0608_1.1-1.3 | BV3377(sub1) | BV-C&S,XF100 | 77.45901 | 57.26 | 2.37 | 1.27 | 0.01 | 0.006 | 0.002 | 0.11 | 0.07 | -999 | 0.03 | 0.076 | |
| D | RYPA0608 | 1.3 | 2.2 | 0.9 | A0608_1.3-2.2 | BV3377(sub1) | BV-C&S,XF100 | 60.88154 | 45.82 | 4.35 | 3.87 | -0.01 | 0.016 | 0.057 | 0.57 | 0.08 | -999 | 0.02 | 0.135 | |
| D | RYPA0609 | 0 | 0.4 | 0.4 | A0609_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 90.7001 | 60.29 | 0.82 | 1.12 | 0.01 | 0.008 | -0.001 | 0.1 | 0.11 | -999 | 0.033 | 0.055 | |
| D | RYPA0609 | 0.4 | 0.8 | 0.4 | A0609_0.4-0.8 | BV3377(sub1) | BV-C&S,XF100 | 75.50761 | 54.82 | 1.37 | 2 | -0.01 | 0.009 | 0.005 | 0.11 | 0.09 | -999 | 0.023 | 0.097 | |
| D | RYPA0609 | 0.8 | 1.4 | 0.6 | A0609_0.8-1.4 | BV3377(sub1) | BV-C&S,XF100 | 75.86619 | 54.65 | 1.98 | 1.75 | -0.01 | 0.009 | 0.007 | 0.11 | 0.09 | -999 | 0.022 | 0.105 | |
| D | RYPA0609 | 1.4 | 3 | 1.6 | A0609_1.4-3 | BV3377(sub1) | BV-C&S,XF100 | 62.19239 | 53.57 | 1.39 | 2.38 | -0.01 | 0.009 | 0.009 | 0.13 | 0.09 | -999 | 0.02 | 0.15 | |
| D | RYPA0610 | 0 | 0.4 | 0.4 | A0610_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 86.51276 | 56.47 | 2.54 | 1.42 | 0.01 | 0.01 | 0.001 | 0.12 | 0.06 | -999 | 0.029 | 0.078 | |
| D | RYPA0610 | 0.4 | 1.4 | 1 | A0610_0.4-1.4 | BV3377(sub1) | BV-C&S,XF100 | 61.0687 | 51.51 | 2.05 | 2.16 | -0.01 | 0.019 | 0.007 | 0.13 | 0.11 | -999 | 0.014 | 0.089 | |
| D | RYPA0610 | 1.4 | 3.5 | 2.1 | A0610_1.4-3.5 | BV3377(sub1) | BV-C&S,XF100 | 67.61905 | 53.46 | 2.56 | 2.19 | -0.01 | 0.009 | 0.013 | 0.13 | 0.08 | -999 | 0.023 | 0.091 | |
| D | RYPA0611 | 0 | 0.2 | 0.2 | A0611_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 70.64472 | 50.38 | 4.46 | 1.67 | 0.03 | 0.009 | 0.017 | 1.26 | 0.38 | -999 | 0.024 | 0.03 | |
| D | RYPA0701 | 0 | 0.75 | 0.75 | A0701_0-0.75 | BV3377(sub1) | BV-C&S,XF100 | 89.27039 | 61.41 | 0.65 | 0.98 | -0.01 | 0.01 | 0.004 | 0.04 | 0.12 | -999 | 0.04 | 0.04 | |
| D | RYPA0702 | 0 | 2.2 | 2.2 | A0702_0-2.2 | BV3377(comp) | BV-C&S,XF100 | 82.47863 | 58.96 | 0.73 | 1.19 | 0.01 | 0.008 | 0.002 | 0.1 | 0.17 | -999 | 0.033 | 0.057 | |
| D | RYPA0703 | 0 | 2.4 | 2.4 | A0703_0-2.4 | BV3377(comp) | BV-C&S,XF100 | 84.15493 | 59.96 | 1.01 | 1.12 | 0.01 | 0.007 | 0.003 | 0.08 | 0.15 | -999 | 0.042 | 0.057 | |
| D | RYPA0704 | 0 | 1.1 | 1.1 | A0704_0-1.1 | BV3377(sub1) | BV-C&S,XF100 | 64.24419 | 55.94 | 0.94 | 1.26 | -0.01 | 0.009 | 0.008 | 0.11 | 0.24 | -999 | 0.025 | 0.051 | |
| D | RYPA0706 | 0 | 2.3 | 2.3 | A0706_0-2.3 | BV3377(comp) | BV-C&S,XF100 | 82.17822 | 58.46 | 0.62 | 1.15 | 0.01 | 0.006 | 0.002 | 0.09 | 0.22 | -999 | 0.035 | 0.058 | |
| D | RYPA0707 | 0 | 1.4 | 1.4 | A0707_0-1.4 | BV3377(comp) | BV-C&S,XF100 | 81.39014 | 55.77 | 1.31 | 1.58 | 0.01 | 0.008 | 0.003 | 0.12 | 0.15 | -999 | 0.025 | 0.072 | |
| D | RYPA0708 | 0 | 1.9 | 1.9 | A0708_0-1.9 | BV3377(comp) | BV-C&S,XF100 | 75.18248 | 54.96 | 1.95 | 1.45 | 0.01 | 0.008 | 0.002 | 0.17 | 0.12 | -999 | 0.023 | 0.072 | |
| D | RYPA0710 | 0 | 0.3 | 0.3 | A0710_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 53.02013 | 55.41 | 2.01 | 1.44 | -0.01 | 0.006 | 0.012 | 0.23 | 0.57 | -999 | 0.023 | 0.038 | |
| D | RYPA0801 | 0 | 0.7 | 0.7 | A0801_0-0.7 | BV3377(comp) | BV-C&S,XF100 | 81.18812 | 58.66 | 1.35 | 1.09 | 0.01 | 0.006 | 0.002 | 0.1 | 0.12 | -999 | 0.029 | 0.07 | |
| D | RYPA0802 | 0 | 3.4 | 3.4 | A0802_0-3.4 | BV3377(comp) | BV-C&S,XF100 | 86.87943 | 59.14 | 0.93 | 1.04 | 0.01 | 0.01 | 0.004 | 0.1 | 0.19 | -999 | 0.036 | 0.06 | |
| D | RYPA0803 | 0 | 2.5 | 2.5 | A0803_0-2.5 | BV3377(comp) | BV-C&S,XF100 | 79.49791 | 59.22 | 0.92 | 1.44 | 0.01 | 0.009 | 0.006 | 0.07 | 0.15 | -999 | 0.04 | 0.057 | |
| D | RYPA0804 | 0 | 0.9 | 0.9 | A0804_0-0.9 | BV3377(sub2) | BV-C&S,XF100 | 63.71691 | 54.05 | 0.56 | 1.02 | 0 | 0.012 | 0.002 | 0.05 | 0.372 | -999 | 0.017 | 0.085 | |
| D | RYPA0804 | 0.9 | 3.1 | 2.2 | A0804_0.9-3.1 | BV3377(sub2) | BV-C&S,XF100 | 69.6477 | 53.73 | 0.39 | 0.95 | 0 | 0.004 | -0.001 | 0.08 | 0.283 | -999 | 0.019 | 0.099 | |
| D | RYPA0805 | 0 | 4 | 4 | A0805_0-4 | BV3377(comp) | BV-C&S,XF100 | 79.66805 | 59.05 | 0.67 | 0.91 | 0.01 | 0.007 | 0.002 | 0.11 | 0.2 | -999 | 0.034 | 0.059 | |
| D | RYPA0806 | 0 | 1 | 1 | A0806_0-1 | BV3377(comp) | BV-C&S,XF100 | 78.71486 | 56.31 | 1.27 | 1.37 | 0.01 | 0.009 | 0.005 | 0.12 | 0.11 | -999 | 0.023 | 0.06 | |
| D | RYPA0807 | 0 | 0.3 | 0.3 | A0807_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 63.2653 | 53.79 | 2.25 | 1.48 | 0.01 | 0.008 | 0.014 | 0.22 | 0.26 | -999 | 0.027 | 0.042 | |
| D | RYPA0901 | 0 | 0.7 | 0.7 | A0901_0-0.7 | BV3377(sub1) | BV-C&S,XF100 | 88.34356 | 61.8 | 0.93 | 0.9 | -0.01 | 0.006 | 0.004 | 0.06 | 0.1 | -999 | 0.032 | 0.036 | |
| D | RYPA0902 | 0 | 3 | 3 | A0902_0-3 | BV3377(comp) | BV-C&S,XF100 | 80.5668 | 59.83 | 0.86 | 1.18 | 0.01 | 0.007 | 0.001 | 0.09 | 0.19 | -999 | 0.027 | 0.065 | |
| D | RYPA0903 | 0 | 2.5 | 2.5 | A0903_0-2.5 | BV3377(comp) | BV-C&S,XF100 | 91.91919 | 61.41 | 0.97 | 0.96 | 0.01 | 0.006 | 0.002 | 0.11 | 0.07 | -999 | 0.033 | 0.047 | |
| D | RYPA0904 | 0 | 0.8 | 0.8 | A0904_0-0.8 | BV3377(sub1) | BV-C&S,XF100 | 85.07854 | 57.44 | 1.17 | 1.39 | -0.01 | 0.009 | 0.004 | 0.07 | 0.06 | -999 | 0.033 | 0.058 | |
| D | RYPA0907 | 0 | 0.7 | 0.7 | A0907_0-0.7 | BV3377(comp) | BV-C&S,XF100 | 70.24793 | 56.89 | 2.46 | 1.36 | 0.01 | 0.007 | 0.004 | 0.14 | 0.11 | -999 | 0.03 | 0.058 | |
| D | RYPA0908 | 0 | 3.9 | 3.9 | A0908_0-3.9 | BV3377(comp) | BV-C&S,XF100 | 63.49206 | 56.57 | 2.13 | 1.54 | 0.01 | 0.007 | 0.007 | 0.17 | 0.14 | -999 | 0.032 | 0.073 | |
| D | RYPA0909 | 0 | 2.1 | 2.1 | A0909_0-2.1 | BV3377(comp) | BV-C&S,XF100 | 77.31481 | 60.53 | 1.15 | 1.18 | 0.01 | 0.007 | 0.004 | 0.1 | 0.15 | -999 | 0.039 | 0.063 | |
| D | RYPA1001 | 0 | 0.8 | 0.8 | A1001_0-0.8 | BV3377(sub1) | BV-C&S,XF100 | 88.05461 | 53.11 | 1.82 | 1.75 | 0.01 | 0.014 | 0.002 | 0.08 | 0.03 | -999 | 0.013 | 0.099 | |
| D | RYPA1001 | 0.8 | 1.2 | 0.4 | A1001_0.8-1.2 | BV3377(sub1) | BV-C&S,XF100 | 80.50848 | 54.74 | 2 | | | | | | | | | | |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | From_m | To_m | Interval_m | Sample | Batch | Ascheme | Mass+1mm | Fe_>1mm | Si_>1mm | Al_>1mm | Ca_>1mm | Cl_>1mm | K_>1mm | Mg_>1mm | Mn_>1mm | Na_>1mm | P_>1mm | S_>1mm | |
|-------|----------|--------|--------|------------|-----------------------|--------------|--------------|----------|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|--------|---|
| H1001 | | metres | metres | metres | | | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| D | RYPA1002 | 0.4 | 3.1 | 2.7 | A1002_0.4-3.1 | BV3377(comp) | BV-C&S,XF100 | 70 | 55.14 | 1.25 | 1.05 | 0.01 | 0.007 | 0.002 | 0.13 | 0.23 | -999 | 0.02 | 0.073 | |
| D | RYPA1003 | 0 | 2.4 | 2.4 | A1003_0-2.4 | BV3377(comp) | BV-C&S,XF100 | 84.92063 | 59.48 | 0.92 | 1.21 | 0.01 | 0.006 | 0.004 | 0.1 | 0.09 | -999 | 0.033 | 0.063 | |
| D | RYPA1004 | 0 | 0.8 | 0.8 | A1004_0-0.8 | BV3377(sub1) | BV-C&S,XF100 | 90.12875 | 61.35 | 0.83 | 1.07 | 0.01 | 0.008 | 0.013 | 0.06 | 0.09 | -999 | 0.041 | 0.039 | |
| D | RYPA1005 | 0 | 0.4 | 0.4 | A1005_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 88.84462 | 61.68 | 1.06 | 1.09 | -0.01 | 0.008 | 0.007 | 0.05 | 0.09 | -999 | 0.041 | 0.038 | |
| D | RYPA1007 | 0 | 2.1 | 2.1 | A1007_0-2.1 | BV3377(comp) | BV-C&S,XF100 | 62.42424 | 58.81 | 2.22 | 1.24 | 0.01 | 0.007 | 0.008 | 0.16 | 0.17 | -999 | 0.035 | 0.08 | |
| D | RYPA1008 | 0 | 0.4 | 0.4 | A1008_0-3.9inc0-0.4 | BV3377(comp) | BV-C&S,XF100 | 67.92453 | 53.26 | 4.45 | 1.63 | 0.01 | 0.006 | 0.015 | 0.19 | 0.29 | -999 | 0.031 | 0.028 | |
| D | RYPA1008 | 0.4 | 0.7 | 0.3 | A1008_0-3.9inc0.4-0.7 | BV3377(comp) | BV-C&S,XF100 | 67.92453 | 53.26 | 4.45 | 1.63 | 0.01 | 0.006 | 0.015 | 0.19 | 0.29 | -999 | 0.031 | 0.028 | |
| D | RYPA1008 | 0.7 | 2.1 | 1.4 | A1008_0-3.9inc0.7-2.1 | BV3377(comp) | BV-C&S,XF100 | 67.92453 | 53.26 | 4.45 | 1.63 | 0.01 | 0.006 | 0.015 | 0.19 | 0.29 | -999 | 0.031 | 0.028 | |
| D | RYPA1008 | 2.3 | 3.9 | 1.6 | A1008_0-3.9inc2.3-3.9 | BV3377(comp) | BV-C&S,XF100 | 67.92453 | 53.26 | 4.45 | 1.63 | 0.01 | 0.006 | 0.015 | 0.19 | 0.29 | -999 | 0.031 | 0.028 | |
| D | RYPA1101 | 0 | 1.9 | 1.9 | A1101_0-1.9 | BV3377(comp) | BV-C&S,XF100 | 78.44037 | 58.86 | 0.71 | 1 | 0.01 | 0.007 | 0.007 | 0.09 | 0.23 | -999 | 0.023 | 0.078 | |
| D | RYPA1102 | 0 | 0.4 | 0.4 | A1102_0-1.6inc0-0.4 | BV3377(comp) | BV-C&S,XF100 | 57.5 | 53.88 | 0.68 | 1.66 | 0.01 | 0.01 | 0.009 | 0.18 | 0.3 | -999 | 0.018 | 0.115 | |
| D | RYPA1102 | 1.2 | 1.6 | 0.4 | A1102_0-1.6inc1.2-1.6 | BV3377(comp) | BV-C&S,XF100 | 57.5 | 53.88 | 0.68 | 1.66 | 0.01 | 0.01 | 0.009 | 0.18 | 0.3 | -999 | 0.018 | 0.115 | |
| D | RYPA1103 | 0 | 1.4 | 1.4 | A1103_0-1.4 | BV3377(comp) | BV-C&S,XF100 | 72.54902 | 56.56 | 0.63 | 0.92 | 0.01 | 0.006 | 0.002 | 0.16 | 0.42 | -999 | 0.015 | 0.076 | |
| D | RYPA1104 | 0 | 0.5 | 0.5 | A1104_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 37.98883 | 51.1 | 2.16 | 1.83 | -0.01 | 0.009 | 0.014 | 0.25 | 0.42 | -999 | 0.012 | 0.108 | |
| D | RYPA1106 | 0 | 1.1 | 1.1 | A1106_0-1.1 | BV3377(sub1) | BV-C&S,XF100 | 58.8983 | 58.39 | 1.51 | 1.31 | -0.01 | 0.007 | 0.015 | 0.11 | 0.24 | -999 | 0.027 | 0.044 | |
| D | RYPB0711 | 0 | 0.6 | 0.6 | B0711_0-0.6 | BV3377(sub2) | BV-C&S,XF100 | 67.87763 | 55.97 | 1.48 | 1.52 | 0 | 0.005 | 0.005 | 0.12 | 0.209 | -999 | 0.022 | 0.047 | |
| D | RYPB0808 | 0 | 0.3 | 0.3 | B0808_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 64.85261 | 56.39 | 1.79 | 1.61 | -0.01 | 0.006 | 0.01 | 0.11 | 0.19 | -999 | 0.03 | 0.053 | |
| D | RYPB1009 | 0 | 0.1 | 0.1 | B1009_0-0.1 | BV3377(sub2) | BV-C&S,XF100 | 64.41558 | 37.58 | 7.56 | 3.02 | 0.06 | 0.007 | 0.101 | 0.88 | 0.226 | -999 | 0.019 | 0.038 | |
| D | RYPB1108 | 0 | 0.4 | 0.4 | B1108_0-0.4 | BV3377(sub2) | BV-C&S,XF100 | 59.31034 | 54.55 | 2.03 | 1.62 | 0 | 0.002 | 0.012 | 0.19 | 0.236 | -999 | 0.022 | 0.024 | |
| D | RYPB1109 | 0 | 1.1 | 1.1 | B1109_0-1.1 | BV3377(sub2) | BV-C&S,XF100 | 64.76791 | 47.92 | 4.15 | 1.83 | 0.01 | 0.004 | 0.035 | 0.88 | 0.52 | -999 | 0.019 | 0.03 | |
| D | RYPB1201 | 0 | 0.4 | 0.4 | B1201_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 66.71949 | 55.66 | 2.75 | 1.45 | 0.01 | 0.004 | 0.008 | 0.16 | 0.45 | -999 | 0.022 | 0.074 | |
| D | RYPB1202 | 0 | 0.5 | 0.5 | B1202_0-0.5 | BV3377(sub2) | BV-C&S,XF100 | 66.80943 | 53.81 | 1.65 | 1.22 | 0.01 | 0.001 | 0.017 | 0.4 | 0.774 | -999 | 0.017 | 0.024 | |
| D | RYPB1301 | 0 | 0.4 | 0.4 | B1301_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 65.89147 | 54.38 | 2.02 | 1.58 | -0.01 | 0.005 | 0.01 | 0.22 | 0.83 | -999 | 0.024 | 0.095 | |
| D | RYPB1302 | 0 | 0.3 | 0.3 | B1302_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 61.04972 | 53.08 | 1.61 | 1.5 | 0.01 | 0.004 | 0.011 | 0.26 | 0.88 | -999 | 0.019 | 0.09 | |
| D | RYPB1401 | 0.2 | 0.7 | 0.5 | B1401_0.2-0.7 | BV3377(sub1) | BV-C&S,XF100 | 54.83871 | 53.65 | 1.12 | 1.2 | -0.01 | 0.005 | 0.023 | 0.25 | 1.37 | -999 | 0.019 | 0.094 | |
| D | RYPB1401 | 0.7 | 2.5 | 1.8 | B1401_0.7-2.5 | BV3377(sub1) | BV-C&S,XF100 | 60.97973 | 54.63 | 0.86 | 1.32 | -0.01 | 0.009 | 0.009 | 0.17 | 0.39 | -999 | 0.02 | 0.09 | |
| D | RYPC0307 | 0 | 0.7 | 0.7 | C0307_0-0.7 | BV3377(sub1) | BV-C&S,XF100 | 59.18675 | 54.25 | 3.11 | 1.51 | -0.01 | 0.016 | 0.01 | 0.1 | 0.02 | -999 | 0.057 | 0.083 | |
| D | RYPC0307 | 0.7 | 2.2 | 1.5 | C0307_0.7-2.2 | BV3377(sub1) | BV-C&S,XF100 | 77.66991 | 52.18 | 2.16 | 1.91 | -0.01 | 0.006 | 0.011 | 0.11 | 0.09 | -999 | 0.033 | 0.122 | |
| D | RYPC0307 | 2.2 | 3 | 0.8 | C0307_2.2-3 | BV3377(sub1) | BV-C&S,XF100 | 59.11414 | 50.75 | 1.94 | 2.73 | -0.01 | 0.006 | 0.04 | 0.09 | 0.14 | -999 | 0.026 | 0.134 | |
| D | RYPC0308 | 0 | 1 | 1 | C0308_0-1 | BV3377(sub1) | BV-C&S,XF100 | 57.43945 | 52.79 | 2.16 | 1.84 | -0.01 | 0.011 | 0.003 | 0.13 | 0.05 | -999 | 0.041 | 0.135 | |
| D | RYPC0308 | 2.9 | 3.3 | 0.4 | C0308_2.9-3.3 | BV3377(sub1) | BV-C&S,XF100 | 56.41447 | 51.65 | 1.37 | 2.49 | 0.01 | 0.007 | 0.025 | 0.11 | 0.17 | -999 | 0.02 | 0.156 | |
| D | RYPC0309 | 0 | 0.6 | 0.6 | C0309_0-0.6 | BV3377(sub1) | BV-C&S,XF100 | 74.18831 | 51.89 | 1.29 | 2.2 | 0.01 | 0.01 | 0.003 | 0.12 | 0.1 | -999 | 0.021 | 0.145 | |
| D | RYPC0309 | 0.6 | 0.8 | 0.2 | C0309_0.6-0.8 | BV3377(sub1) | BV-C&S,XF100 | 80.98918 | 52.96 | 1.63 | 2.01 | -0.01 | 0.009 | 0.006 | 0.12 | 0.11 | -999 | 0.026 | 0.113 | |
| D | RYPC0309 | 0.8 | 3.3 | 2.5 | C0309_0.8-3.3 | BV3377(sub1) | BV-C&S,XF100 | 69.79166 | 51.71 | 1.34 | 2.56 | -0.01 | 0.006 | 0.014 | 0.16 | 0.15 | -999 | 0.024 | 0.164 | |
| D | RYPC0310 | 0 | 0.3 | 0.3 | C0310_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 78.16092 | 55.64 | 2.04 | 1.59 | -0.01 | 0.008 | 0.002 | 0.1 | 0.06 | -999 | 0.027 | 0.13 | |
| D | RYPC0310 | 0.3 | 0.8 | 0.5 | C0310_0.3-0.8 | BV3377(sub1) | BV-C&S,XF100 | 84.86647 | 52.23 | 2.94 | 1.8 | -0.01 | 0.007 | 0.007 | 0.16 | 0.09 | -999 | 0.023 | 0.146 | |
| D | RYPC0311 | 0.9 | 2.1 | 1.2 | C0311_0.9-2.1 | BV3377(sub1) | BV-C&S,XF100 | 62.73209 | 48.46 | 2.08 | 3.4 | 0.01 | 0.011 | 0.033 | 0.11 | 0.14 | -999 | 0.026 | 0.206 | |
| D | RYPC0312 | 0 | 0.6 | 0.6 | C0312_0-0.6 | BV3377(sub1) | BV-C&S,XF100 | 65.41177 | 54.01 | 3.68 | 1.36 | -0.01 | 0.01 | 0.002 | 0.11 | 0.07 | -999 | 0.025 | 0.11 | |
| D | RYPC0312 | 0.6 | 1.4 | 0.8 | C0312_0.6-1.4 | BV3377(sub1) | BV-C&S,XF100 | 79.17242 | 50.58 | 4.6 | 1.56 | -0.01 | 0.009 | 0.004 | 0.14 | 0.09 | -999 | 0.02 | 0.145 | |
| D | RYPC0405 | 0 | 0.5 | 0.5 | C0405_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 80.70796 | 57.85 | 2.32 | 1.12 | 0.04 | 0.006 | 0.003 | 0.12 | 0.07 | -999 | 0.038 | 0.054 | |
| D | RYPC0405 | 0.5 | 2.5 | 2 | C0405_0.5-2.5 | BV3377(sub1) | BV-C&S,XF100 | 67.96658 | 47.85 | 2.63 | 2.47 | 0.01 | 0.004 | 0.046 | 0.22 | 0.12 | -999 | 0.023 | 0.09 | |
| D | RYPC0406 | 0 | 0.8 | 0.8 | C0406_0-0.8 | BV3377(sub1) | BV-C&S,XF100 | 86.17021 | 59.68 | 1.06 | 1.05 | 0.02 | 0.009 | 0.002 | 0.1 | 0.1 | -999 | 0.028 | 0.053 | |
| D | RYPC0406 | 0.8 | 1.3 | 0.5 | C0406_0.8-1.3 | BV3377(sub1) | BV-C&S,XF100 | 73.28947 | 50.96 | 1.93 | 2.43 | -0.01 | 0.011 | 0.012 | 0.1 | 0.11 | -999 | 0.028 | 0.136 | |
| D | RYPC0407 | 0 | 0.3 | 0.3 | C0407_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 85.95147 | 60.06 | 1.35 | 1.04 | 0.01 | 0.006 | 0.002 | 0.12 | 0.09 | -999 | 0.025 | 0.075 | |
| D | RYPC0407 | 0.8 | 2.8 | 2 | C0407_0.8-2.8 | BV3377(sub1) | BV-C&S,XF100 | 68.52367 | 54.48 | 0.98 | 1.93 | -0.01 | 0.007 | 0.008 | 0.16 | 0.17 | -999 | 0.022 | 0.153 | |
| D | RYPC0408 | 0 | 0.5 | 0.5 | C0408_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 79.84962 | 56.46 | 1.87 | 1.27 | 0.04 | 0.008 | 0.002 | 0.11 | 0.11 | -999 | 0.022 | 0.083 | |
| D | RYPC0408 | 0.5 | 0.7 | 0.2 | C0408_0.5-0.7 | BV3377(sub1) | BV-C&S,XF100 | 85.04504 | 53.44 | 1.98 | 1.61 | -0.01 | 0.007 | 0.007 | 0.11 | 0.12 | -999 | 0.023 | 0.134 | |
| D | RYPC0408 | 0.7 | 3 | 2.3 | C0408_0.7-3 | BV3377(sub1) | BV-C&S,XF100 | 63.43283 | 53.85 | 0.84 | 1.85 | -0.01 | 0.006 | 0.01 | 0.14 | 0.2 | -999 | 0.018 | 0.14 | |
| D | RYPC0410 | 0 | 0.5 | 0.5 | C0410_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 74.36975 | 53.41 | 3.56 | 1.36 | 0.01 | 0.008 | 0.004 | 0.15 | 0.06 | -999 | 0.025 | 0.124 | |
| D | RYPC0410 | 0.5 | 1.8 | 1.3 | C0410_0.5-1.8 | BV3377(sub1) | BV-C&S,XF100 | 77.65043 | 50.31 | 3.37 | 1.84 | 0.01 | 0.006 | 0.006 | 0.16 | 0.09 | -999 | 0.026 | 0.155 | |
| D | RYPC0513 | 0 | 0.3 | 0.3 | C0513_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 77.23577 | 56.4 | 1.87 | 1.13 | -0.01 | 0.008 | 0.005 | 0.1 | 0.11 | -999 | 0.021 | 0.048 | |
| D | RYPC0513 | 0.3 | 0.5 | 0.2 | C0513_0.3-0.5 | BV3377(sub1) | BV-C&S,XF100 | 76.20112 | 56.77 | 1.94 | 1.19 | -0.01 | 0.008 | 0.002 | 0.14 | 0.11 | -999 | 0.019 | 0.065 | |
| D | RYPC0514 | 0 | 0.3 | 0.3 | C0514_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 82.08154 | 58.03 | 1.29 | 1.12 | 0.01 | 0.007 | 0.002 | 0.12 | 0.13 | -999 | 0.026 | 0.051 | |
| D | RYPC0514 | 0.3 | 0.5 | 0.2 | C0514_0.3-0.5 | BV3377(sub1) | BV-C&S,XF100 | 78.97664 | 50.4 | 2.8 | 1.62 | 0.01 | 0.007 | 0.005 | 0.17 | 0.16 | -999 | 0.015 | 0.093 | |
| D | RYPC0514 | 0.5 | 0.7 | 0.2 | C0514_0.5-0.7 | BV3377(sub1) | BV-C&S,XF100 | 75.66225 | 53.68 | 0.88 | 1.7 | 0.01 | 0.009 | 0.007 | 0.12 | 0.18 | -999 | 0.018 | 0.075 | |
| D | RYPC0515 | 0.3 | 2.2 | 1.9 | C0515_0.3-2.2 | BV3377(sub1) | BV-C&S,XF100 | 67.52941 | 50.51 | 2.71 | 1.52 | 0.01 | 0.007 | 0.005 | 0.25 | 0.14 | -999 | 0.02 | 0.076 | |
| D | RYPC0516 | 0.3 | 0.6 | 0.3 | C0516_0.3-0.6 | BV3377(sub1) | BV-C&S,XF100 | 71.73621 | 43.9 | 8.09 | 1.74 | -0.01 | 0.009 | 0.01 | 0.17 | 0.05 | -999 | 0.017 | 0.107 | |
| D | RYPC0612 | 0.2 | 0.7 | 0.5 | C0612_0.2-0.7 | BV3377(sub1) | BV-C&S,XF100 | 75.40372 | 52.27 | 3.2 | 1.68 | -0.01 | 0.009 | 0.003 | 0.14 | 0.04 | -999 | 0.018 | 0.107 | |
| D | RYPC0613 | 0 | 0.2 | 0.2 | C0613_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 72.49603 | 53.96 | 2.04 | 1.37 | 0.01 | 0.011 | 0.003 | 0.17 | 0.12 | -999 | 0.02 | 0.051 | |
| D | RYPC0613 | 0. | | | | | | | | | | | | | | | | | | |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | From_m | To_m | Interval_m | Sample | Batch | Ascheme | Mass+1mm | Fe_>1mm | Si_>1mm | Al_>1mm | Ca_>1mm | Cl_>1mm | K_>1mm | Mg_>1mm | Mn_>1mm | Na_>1mm | P_>1mm | S_>1mm | |
|-------|---------|--------|--------|------------|---------------|--------------|--------------|----------|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|--------|---|
| H1001 | | metres | metres | metres | | | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| D | RYP0614 | 0 | 0.3 | 0.3 | C0614_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 96.85535 | 63.3 | 1.01 | 0.85 | -0.01 | 0.009 | -0.001 | 0.04 | 0.05 | -999 | 0.045 | 0.035 | |
| D | RYP0614 | 0.3 | 1.7 | 1.4 | C0614_0.3-1.7 | BV3377(sub1) | BV-C&S,XF100 | 74.08088 | 54.31 | 2.59 | 1.55 | 0.01 | 0.008 | 0.002 | 0.08 | 0.07 | -999 | 0.027 | 0.09 | |
| D | RYP0615 | 0 | 0.3 | 0.3 | C0615_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 95.27824 | 62.36 | 1.27 | 1.05 | -0.01 | 0.006 | 0.008 | 0.04 | 0.04 | -999 | 0.036 | 0.044 | |
| D | RYP0615 | 0.3 | 0.7 | 0.4 | C0615_0.3-0.7 | BV3377(sub1) | BV-C&S,XF100 | 86.52631 | 59.33 | 1.84 | 1.51 | -0.01 | 0.009 | 0.002 | 0.06 | 0.02 | -999 | 0.034 | 0.073 | |
| D | RYP0615 | 0.7 | 1.5 | 0.8 | C0615_0.7-1.5 | BV3377(sub1) | BV-C&S,XF100 | 27.82875 | 41.45 | 6.07 | 6.29 | -0.01 | 0.012 | 0.063 | 0.12 | 0.15 | -999 | 0.015 | 0.198 | |
| D | RYP0616 | 0 | 0.4 | 0.4 | C0616_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 94.0171 | 60.82 | 2.68 | 0.85 | 0.02 | 0.005 | 0.002 | 0.07 | 0.03 | -999 | 0.032 | 0.039 | |
| D | RYP0616 | 0.4 | 0.6 | 0.2 | C0616_0.4-0.6 | BV3377(sub1) | BV-C&S,XF100 | 82.64605 | 58.05 | 2.84 | 1.13 | 0.01 | 0.007 | 0.003 | 0.07 | 0.02 | -999 | 0.03 | 0.071 | |
| D | RYP0616 | 0.6 | 1.6 | 1 | C0616_0.6-1.6 | BV3377(sub1) | BV-C&S,XF100 | 30.03663 | 50.56 | 2.09 | 3.91 | -0.01 | 0.022 | 0.037 | 0.05 | 0.03 | -999 | 0.018 | 0.229 | |
| D | RYP0617 | 0 | 0.3 | 0.3 | C0617_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 93.34811 | 62.99 | 1.27 | 0.84 | -0.01 | 0.006 | -0.001 | 0.05 | 0.03 | -999 | 0.038 | 0.043 | |
| D | RYP0617 | 0.3 | 1.6 | 1.3 | C0617_0.3-1.6 | BV3377(sub1) | BV-C&S,XF100 | 89.26746 | 61.16 | 1.63 | 0.97 | 0.01 | 0.004 | 0.002 | 0.05 | 0.02 | -999 | 0.036 | 0.072 | |
| D | RYP0618 | 0 | 0.3 | 0.3 | C0618_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 94.72935 | 61.46 | 1.56 | 0.88 | -0.01 | 0.008 | 0.004 | 0.05 | 0.04 | -999 | 0.035 | 0.04 | |
| D | RYP0618 | 0.3 | 1.6 | 1.3 | C0618_0.3-1.6 | BV3377(sub1) | BV-C&S,XF100 | 87.94212 | 54.1 | 3.67 | 1.43 | 0.01 | 0.003 | 0.002 | 0.14 | 0.03 | -999 | 0.025 | 0.116 | |
| D | RYP0620 | 0 | 0.2 | 0.2 | C0620_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 90.17713 | 53.15 | 5.9 | 1.21 | -0.01 | 0.007 | 0.005 | 0.13 | 0.04 | -999 | 0.03 | 0.067 | |
| D | RYP0620 | 0.2 | 0.8 | 0.6 | C0620_0.2-0.8 | BV3377(sub1) | BV-C&S,XF100 | 77.94521 | 46.57 | 7.56 | 1.68 | -0.01 | 0.008 | 0.009 | 0.14 | 0.04 | -999 | 0.02 | 0.093 | |
| D | RYP0712 | 0 | 0.5 | 0.5 | C0712_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 90.52248 | 60.8 | 1.58 | 1.1 | 0.02 | 0.008 | 0.002 | 0.06 | 0.03 | -999 | 0.032 | 0.052 | |
| D | RYP0712 | 0.5 | 0.8 | 0.3 | C0712_0.5-0.8 | BV3377(sub1) | BV-C&S,XF100 | 51.65049 | 44.85 | 7.55 | 1.83 | 0.01 | 0.011 | 0.011 | 0.12 | 0.02 | -999 | 0.004 | 0.115 | |
| D | RYP0715 | 0 | 0.3 | 0.3 | C0715_0-0.3 | BV3377(sub2) | BV-C&S,XF100 | 88.98181 | 58.71 | 2.43 | 1.11 | 0 | 0.004 | 0.002 | 0.08 | 0.017 | -999 | 0.027 | 0.064 | |
| D | RYP0715 | 0.3 | 0.5 | 0.2 | C0715_0.3-0.5 | BV3377(sub2) | BV-C&S,XF100 | 59.86566 | 47.69 | 6.68 | 1.67 | 0 | 0.009 | 0.008 | 0.12 | 0.01 | -999 | 0.011 | 0.086 | |
| D | RYP0716 | 0 | 1.1 | 1.1 | C0716_0-1.1 | BV3377(sub1) | BV-C&S,XF100 | 91.57895 | 61.82 | 1.03 | 1.03 | 0.01 | 0.009 | -0.001 | 0.07 | 0.05 | -999 | 0.035 | 0.05 | |
| D | RYP0716 | 1.1 | 2 | 0.9 | C0716_1.1-2 | BV3377(sub1) | BV-C&S,XF100 | 80.58036 | 47.78 | 4.75 | 1.87 | -0.01 | 0.002 | 0.002 | 0.25 | 0.04 | -999 | 0.013 | 0.145 | |
| D | RYP0717 | 0 | 0.4 | 0.4 | C0717_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 93.47826 | 63.81 | 0.71 | 0.78 | 0.02 | 0.006 | -0.001 | 0.05 | 0.06 | -999 | 0.044 | 0.039 | |
| D | RYP0717 | 0.4 | 1.8 | 1.4 | C0717_0.4-1.8 | BV3377(sub1) | BV-C&S,XF100 | 83.1117 | 51.8 | 3.6 | 1.65 | 0.01 | 0.008 | -0.011 | 0.11 | 0.04 | -999 | 0.018 | 0.176 | |
| D | RYP0718 | 0 | 0.2 | 0.2 | C0718_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 94.2519 | 63.58 | 1.47 | 0.74 | 0.01 | 0.003 | -0.001 | 0.06 | 0.08 | -999 | 0.034 | 0.034 | |
| D | RYP0718 | 0.2 | 1.5 | 1.3 | C0718_0.2-1.5 | BV3377(sub1) | BV-C&S,XF100 | 81.04575 | 50.84 | 5.01 | 1.33 | -0.01 | 0.006 | 0.007 | 0.11 | 0.05 | -999 | 0.021 | 0.15 | |
| D | RYP0719 | 0 | 0.2 | 0.2 | C0719_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 81.30277 | 60.31 | 2.05 | 0.89 | 0.02 | 0.006 | 0.002 | 0.07 | 0.09 | -999 | 0.029 | 0.041 | |
| D | RYP0810 | 0 | 0.8 | 0.8 | C0810_0-0.8 | BV3377(sub1) | BV-C&S,XF100 | 95.9128 | 63.71 | 1.12 | 0.83 | -0.01 | 0.004 | -0.001 | 0.04 | 0.03 | -999 | 0.039 | 0.04 | |
| D | RYP0811 | 0 | 1.6 | 1.6 | C0811_0-1.6 | BV3377(sub1) | BV-C&S,XF100 | 92.81129 | 62.69 | 0.92 | 0.93 | 0.01 | 0.005 | -0.001 | 0.05 | 0.05 | -999 | 0.033 | 0.041 | |
| D | RYP0812 | 0 | 0.6 | 0.6 | C0812_0-0.6 | BV3377(sub1) | BV-C&S,XF100 | 90.46997 | 60.01 | 1.91 | 1.24 | 0.02 | 0.008 | 0.002 | 0.08 | 0.03 | -999 | 0.029 | 0.047 | |
| D | RYP0812 | 0.6 | 1.2 | 0.6 | C0812_0.6-1.2 | BV3377(sub1) | BV-C&S,XF100 | 79.73621 | 52.56 | 3.42 | 1.76 | -0.01 | 0.01 | 0.005 | 0.13 | -0.01 | -999 | 0.021 | 0.096 | |
| D | RYP0813 | 0 | 0.3 | 0.3 | C0813_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 82.57576 | 62.68 | 0.57 | 0.79 | 0.01 | 0.008 | -0.001 | 0.06 | 0.12 | -999 | 0.032 | 0.053 | |
| D | RYP0813 | 0.3 | 1.3 | 1 | C0813_0.3-1.3 | BV3377(sub1) | BV-C&S,XF100 | 76.83073 | 55.37 | 1.16 | 1.39 | -0.01 | 0.013 | -0.001 | 0.04 | 0.04 | -999 | 0.018 | 0.085 | |
| D | RYP0814 | 0.6 | 1 | 0.4 | C0814_0.6-1 | BV3377(sub1) | BV-C&S,XF100 | 77.37479 | 51.71 | 2.5 | 1.65 | -0.01 | 0.011 | 0.002 | 0.11 | 0.05 | -999 | 0.018 | 0.112 | |
| D | RYP0815 | 0 | 0.6 | 0.6 | C0815_0-0.6 | BV3377(sub1) | BV-C&S,XF100 | 91.78255 | 60.34 | 1.26 | 1.06 | -0.01 | 0.007 | -0.001 | 0.06 | 0.05 | -999 | 0.037 | 0.056 | |
| D | RYP0815 | 0.6 | 1.1 | 0.5 | C0815_0.6-1.1 | BV3377(sub1) | BV-C&S,XF100 | 59.28144 | 47.15 | 3.23 | 2.51 | -0.01 | 0.014 | 0.015 | 0.1 | 0.05 | -999 | 0.01 | 0.103 | |
| D | RYP0816 | 0 | 0.9 | 0.9 | C0816_0-0.9 | BV3377(sub1) | BV-C&S,XF100 | 89.64218 | 58.2 | 1.28 | 1.16 | 0.01 | 0.007 | -0.001 | 0.07 | 0.05 | -999 | 0.025 | 0.059 | |
| D | RYP0816 | 0.9 | 1.5 | 0.6 | C0816_0.9-1.5 | BV3377(sub1) | BV-C&S,XF100 | 58.9372 | 48.91 | 3.31 | 2.06 | 0.01 | 0.02 | 0.007 | 0.1 | 0.05 | -999 | 0.009 | 0.072 | |
| D | RYP0817 | 0 | 0.9 | 0.9 | C0817_0-0.9 | BV3377(sub1) | BV-C&S,XF100 | 90.73056 | 60.97 | 1.08 | 1 | 0.01 | 0.007 | -0.001 | 0.07 | 0.07 | -999 | 0.037 | 0.062 | |
| D | RYP0817 | 0.9 | 1.7 | 0.8 | C0817_0.9-1.7 | BV3377(sub1) | BV-C&S,XF100 | 86.0179 | 53.85 | 3.05 | 1.46 | 0.01 | 0.006 | 0.002 | 0.1 | 0.05 | -999 | 0.024 | 0.126 | |
| D | RYP0819 | 0 | 1.2 | 1.2 | C0819_0-1.2 | BV3377(sub1) | BV-C&S,XF100 | 89.90385 | 55.37 | 3.34 | 1.41 | -0.01 | 0.008 | 0.005 | 0.08 | 0.05 | -999 | 0.022 | 0.087 | |
| D | RYP0911 | 0 | 0.3 | 0.3 | C0911_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 87.54578 | 57.16 | 3.06 | 1.23 | 0.01 | 0.006 | 0.002 | 0.14 | 0.05 | -999 | 0.022 | 0.054 | |
| D | RYP0912 | 0 | 1.8 | 1.8 | C0912_0-1.8 | BV3377(sub1) | BV-C&S,XF100 | 89.21024 | 57.74 | 2.47 | 1.12 | 0.01 | 0.006 | 0.002 | 0.13 | 0.06 | -999 | 0.028 | 0.095 | |
| D | RYP0913 | 0 | 2.2 | 2.2 | C0913_0-2.2 | BV3377(sub1) | BV-C&S,XF100 | 90.71896 | 60.4 | 1.6 | 1.1 | -0.01 | 0.008 | 0.003 | 0.07 | 0.05 | -999 | 0.031 | 0.065 | |
| D | RYP0914 | 0 | 1.3 | 1.3 | C0914_0-1.3 | BV3377(sub1) | BV-C&S,XF100 | 88.60631 | 57.68 | 1.46 | 1.36 | -0.01 | 0.008 | -0.001 | 0.05 | 0.02 | -999 | 0.03 | 0.08 | |
| D | RYP0915 | 0 | 1 | 1 | C0915_0-1 | BV3377(sub1) | BV-C&S,XF100 | 90.16216 | 57.77 | 1.46 | 1.19 | 0.01 | 0.006 | -0.001 | 0.08 | 0.05 | -999 | 0.026 | 0.052 | |
| D | RYP0915 | 1 | 1.5 | 0.5 | C0915_1-1.5 | BV3377(sub1) | BV-C&S,XF100 | 73.38843 | 52.06 | 2.44 | 1.72 | 0.03 | 0.007 | 0.002 | 0.14 | 0.05 | -999 | 0.017 | 0.078 | |
| D | RYP0916 | 0 | 0.9 | 0.9 | C0916_0-0.9 | BV3377(sub1) | BV-C&S,XF100 | 84.22535 | 55.05 | 2.15 | 1.38 | -0.01 | 0.012 | 0.002 | 0.08 | 0.04 | -999 | 0.026 | 0.067 | |
| D | RYP0917 | 0 | 0.3 | 0.3 | C0917_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 53.94897 | 54.98 | 2.63 | 1.1 | 0.02 | 0.016 | 0.006 | 0.1 | 0.05 | -999 | 0.021 | 0.057 | |
| D | RYP0918 | 0 | 0.4 | 0.4 | C0918_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 82.18054 | 56.28 | 2.05 | 1.15 | -0.01 | 0.012 | 0.001 | 0.09 | 0.06 | -999 | 0.025 | 0.063 | |
| D | RYP0918 | 0.4 | 1.1 | 0.7 | C0918_0.4-1.1 | BV3377(sub1) | BV-C&S,XF100 | 65.42699 | 50.24 | 2.56 | 1.64 | 0.01 | 0.022 | 0.004 | 0.08 | 0.05 | -999 | 0.011 | 0.083 | |
| D | RYP0919 | 0.9 | 1.3 | 0.4 | C0919_0.9-1.3 | BV3377(sub1) | BV-C&S,XF100 | 74.60317 | 57.21 | 1.06 | 1.1 | -0.01 | 0.008 | 0.004 | 0.04 | 0.05 | -999 | 0.02 | 0.063 | |
| D | RYP1010 | 0 | 0.2 | 0.2 | C1010_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 78.68021 | 57.83 | 2.02 | 1.44 | 0.02 | 0.011 | 0.005 | 0.1 | 0.08 | -999 | 0.019 | 0.061 | |
| D | RYP1010 | 0.2 | 0.4 | 0.2 | C1010_0.2-0.4 | BV3377(sub1) | BV-C&S,XF100 | 63.29966 | 54.45 | 2.74 | 1.95 | 0.01 | 0.009 | 0.008 | 0.1 | 0.07 | -999 | 0.02 | 0.08 | |
| D | RYP1011 | 0 | 0.4 | 0.4 | C1011_0-0.4 | BV3377(sub1) | BV-C&S,XF100 | 94.24307 | 61.99 | 1.12 | 1.03 | -0.01 | 0.008 | -0.001 | 0.05 | 0.06 | -999 | 0.034 | 0.043 | |
| D | RYP1011 | 0.4 | 1.1 | 0.7 | C1011_0.4-1.1 | BV3377(sub1) | BV-C&S,XF100 | 80.99607 | 52.98 | 3.13 | 1.77 | 0.01 | 0.005 | 0.002 | 0.12 | 0.09 | -999 | 0.02 | 0.095 | |
| D | RYP1012 | 0 | 0.2 | 0.2 | C1012_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 93.68308 | 63.1 | 0.97 | 0.94 | 0.03 | 0.005 | -0.001 | 0.06 | 0.05 | -999 | 0.039 | 0.036 | |
| D | RYP1012 | 0.2 | 3.3 | 3.1 | C1012_0.2-3.3 | BV3377(sub1) | BV-C&S,XF100 | 84.84849 | 54.17 | 3.21 | 1.49 | -0.01 | 0.005 | 0.003 | 0.11 | 0.08 | -999 | 0.025 | 0.121 | |
| D | RYP1013 | 0 | 0.9 | 0.9 | C1013_0-0.9 | BV3377(sub1) | BV-C&S,XF100 | 69.0367 | 53.4 | 1 | 3.03 | 0.01 | 0.012 | 0.003 | 0.07 | 0.03 | -999 | 0.017 | 0.117 | |
| D | RYP1013 | 0.9 | 1.1 | 0.2 | C1013_0.9-1.1 | BV3377(sub1) | BV-C&S,XF100 | 37.83784 | 45.34 | 2.55 | 5.29 | -0.01 | 0.025 | 0.022 | 0.15 | 0.05 | -999 | 0.014 | 0.14 | |
| D | RYP1014 | 0 | 0.6 | 0.6 | C1014_0-0.6 | BV3377(sub1) | BV-C&S,XF100 | 91.58361 | 62.66 | 0.46 | 0.88 | 0.02 | 0.006 | 0.002 | 0.05 | 0.06 | -999 | 0.038 | 0.045 | |
| D | RYP1014 | 0.6 | 1.2 | 0.6 | C1014_0.6-1.2 | BV3377(sub1) | BV-C&S,XF100 | 88.17853 | 55 | | | | | | | | | | | |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | From_m | To_m | Interval_m | Sample | Batch | Ascheme | Mass+1mm | Fe_>1mm | Si_>1mm | Al_>1mm | Ca_>1mm | Cl_>1mm | K_>1mm | Mg_>1mm | Mn_>1mm | Na_>1mm | P_>1mm | S_>1mm | |
|-------|----------|--------|--------|------------|---------------|--------------|--------------|----------|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|--------|---|
| H1001 | | metres | metres | metres | | | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| D | RYPC1015 | 0.8 | 1.8 | 1 | C1015_0.8-1.8 | BV3377(sub1) | BV-C&S,XF100 | 71.80114 | 57.63 | 1.51 | 1.18 | -0.01 | 0.006 | -0.001 | 0.09 | 0.08 | -999 | 0.031 | 0.041 | |
| D | RYPC1016 | 0 | 0.2 | 0.2 | C1016_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 81.6273 | 56.98 | 1.03 | 1.54 | 0.02 | 0.013 | 0.002 | 0.09 | 0.05 | -999 | 0.027 | 0.065 | |
| D | RYPC1016 | 0.2 | 0.9 | 0.7 | C1016_0.2-0.9 | BV3377(sub1) | BV-C&S,XF100 | 65.67358 | 49.72 | 0.86 | 2.51 | 0.01 | 0.03 | 0.007 | 0.14 | 0.06 | -999 | 0.013 | 0.082 | |
| D | RYPC1017 | 0 | 0.2 | 0.2 | C1017_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 95.04273 | 63.18 | 1.32 | 0.89 | -0.01 | 0.008 | 0.002 | 0.04 | 0.05 | -999 | 0.044 | 0.037 | |
| D | RYPC1017 | 0.2 | 1 | 0.8 | C1017_0.2-1 | BV3377(sub1) | BV-C&S,XF100 | 84.5039 | 49.7 | 5.44 | 1.46 | -0.01 | 0.009 | 0.005 | 0.16 | 0.02 | -999 | 0.018 | 0.106 | |
| D | RYPC1018 | 0 | 0.2 | 0.2 | C1018_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 91.59779 | 60.35 | 2.35 | 0.93 | -0.01 | 0.007 | 0.006 | 0.07 | 0.05 | -999 | 0.033 | 0.043 | |
| D | RYPC1018 | 0.2 | 1 | 0.8 | C1018_0.2-1 | BV3377(sub1) | BV-C&S,XF100 | 76.36594 | 52.67 | 5.17 | 1.12 | 0.01 | 0.004 | 0.002 | 0.18 | 0.04 | -999 | 0.031 | 0.09 | |
| D | RYPC1111 | 0 | 0.3 | 0.3 | C1111_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 89.76608 | 62.24 | 1.15 | 1.1 | 0.01 | 0.004 | -0.001 | 0.07 | 0.06 | -999 | 0.03 | 0.05 | |
| D | RYPC1111 | 0.3 | 1.4 | 1.1 | C1111_0.3-1.4 | BV3377(sub1) | BV-C&S,XF100 | 85.12748 | 56.7 | 2.7 | 1.39 | 0.01 | 0.003 | -0.001 | 0.11 | 0.06 | -999 | 0.023 | 0.112 | |
| D | RYPC1112 | 0 | 0.3 | 0.3 | C1112_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 96.09756 | 64.78 | 0.46 | 0.84 | 0.01 | 0.007 | -0.001 | 0.05 | 0.06 | -999 | 0.035 | 0.036 | |
| D | RYPC1112 | 0.3 | 1.3 | 1 | C1112_0.3-1.3 | BV3377(sub1) | BV-C&S,XF100 | 90.15385 | 59.36 | 1.01 | 1.5 | 0.01 | 0.005 | 0.002 | 0.06 | 0.09 | -999 | 0.027 | 0.075 | |
| D | RYPC1113 | 0 | 0.8 | 0.8 | C1113_0-0.8 | BV3377(sub2) | BV-C&S,XF100 | 95.595 | 64.47 | 0.5 | 0.88 | 0 | 0.006 | -0.001 | 0.03 | 0.051 | -999 | 0.04 | 0.047 | |
| D | RYPC1113 | 0.8 | 1.5 | 0.7 | C1113_0.8-1.5 | BV3377(sub2) | BV-C&S,XF100 | 84.70419 | 55.4 | 2.78 | 1.54 | 0 | 0.004 | 0.001 | 0.09 | 0.049 | -999 | 0.022 | 0.119 | |
| D | RYPC1114 | 0 | 0.5 | 0.5 | C1114_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 91.28387 | 59.86 | 1.11 | 1.14 | 0.02 | 0.006 | -0.001 | 0.07 | 0.05 | -999 | 0.028 | 0.053 | |
| D | RYPC1114 | 0.5 | 1.1 | 0.6 | C1114_0.5-1.1 | BV3377(sub1) | BV-C&S,XF100 | 90.38225 | 55.73 | 1.75 | 1.43 | 0.01 | 0.007 | 0.002 | 0.08 | 0.06 | -999 | 0.021 | 0.072 | |
| D | RYPC1114 | 1.1 | 1.7 | 0.6 | C1114_1.1-1.7 | BV3377(sub1) | BV-C&S,XF100 | 57.52608 | 51.08 | 2.37 | 2.05 | 0.01 | 0.007 | 0.004 | 0.1 | 0.09 | -999 | 0.01 | 0.075 | |
| D | RYPC1115 | 0 | 0.2 | 0.2 | C1115_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 91.9585 | 60.12 | 0.47 | 1.09 | 0.02 | 0.008 | -0.001 | 0.05 | 0.11 | -999 | 0.032 | 0.041 | |
| D | RYPC1115 | 0.2 | 2 | 1.8 | C1115_0.2-2 | BV3377(sub1) | BV-C&S,XF100 | 80.66759 | 54.68 | 1.39 | 1.47 | 0.01 | 0.01 | 0.002 | 0.07 | 0.12 | -999 | 0.018 | 0.074 | |
| D | RYPC1115 | 2 | 4 | 2 | C1115_2-4 | BV3377(sub1) | BV-C&S,XF100 | 62.00318 | 47.5 | 3.69 | 1.89 | 0.01 | 0.015 | 0.022 | 0.17 | 0.09 | -999 | 0.011 | 0.063 | |
| D | RYPC1116 | 0 | 0.5 | 0.5 | C1116_0-0.5 | BV3377(sub1) | BV-C&S,XF100 | 91.30982 | 59.69 | 1.01 | 1.02 | 0.01 | 0.008 | -0.001 | 0.07 | 0.05 | -999 | 0.029 | 0.059 | |
| D | RYPC1116 | 0.5 | 2 | 1.5 | C1116_0.5-2 | BV3377(sub1) | BV-C&S,XF100 | 72.61056 | 50.39 | 4.41 | 1.57 | -0.01 | 0.014 | 0.006 | 0.05 | 0.02 | -999 | 0.016 | 0.092 | |
| D | RYPC1117 | 0 | 0.3 | 0.3 | C1117_0-0.3 | BV3377(sub1) | BV-C&S,XF100 | 91.37214 | 59.61 | 2.07 | 1.28 | -0.01 | 0.012 | 0.002 | 0.05 | 0.04 | -999 | 0.038 | 0.051 | |
| D | RYPC1117 | 0.3 | 1 | 0.7 | C1117_0.3-1 | BV3377(sub1) | BV-C&S,XF100 | 73.55704 | 46.82 | 6.74 | 2.14 | -0.01 | 0.011 | 0.004 | 0.14 | 0.03 | -999 | 0.015 | 0.099 | |
| D | RYPC1118 | 0 | 0.2 | 0.2 | C1118_0-0.2 | BV3377(sub1) | BV-C&S,XF100 | 66.71388 | 49.27 | 6.41 | 1.63 | 0.01 | 0.011 | 0.009 | 0.13 | 0.05 | -999 | 0.019 | 0.066 | |
| D | RYPC1118 | 0.2 | 0.5 | 0.3 | C1118_0.2-0.5 | BV3377(sub1) | BV-C&S,XF100 | 49.36441 | 42.82 | 8.94 | 1.83 | -0.01 | 0.023 | 0.027 | 0.14 | 0.02 | -999 | 0.014 | 0.105 | |
| D | RYPC1118 | 1.2 | 1.4 | 0.2 | C1118_1.2-1.4 | BV3377(sub1) | BV-C&S,XF100 | 57.27003 | 53.97 | 1.65 | 1.66 | -0.01 | 0.015 | 0.015 | 0.05 | 0.06 | -999 | 0.01 | 0.113 | |
| D | RYPC1203 | 0 | 0.5 | 0.5 | C1203_0-0.5 | BV3377(sub2) | BV-C&S,XF100 | 81.82063 | 59.54 | 1.26 | 1.39 | 0 | 0.005 | 0.005 | 0.12 | 0.112 | -999 | 0.026 | 0.054 | |
| D | RYPC1205 | 0 | 0.4 | 0.4 | C1205_0-0.4 | BV3377(sub2) | BV-C&S,XF100 | 82.22222 | 54.78 | 2.06 | 1.63 | 0 | 0.011 | 0.002 | 0.09 | 0.06 | -999 | 0.019 | 0.071 | |
| D | RYPC1205 | 0.4 | 0.8 | 0.4 | C1205_0.4-0.8 | BV3377(sub2) | BV-C&S,XF100 | 83.27402 | 50.75 | 2.8 | 2.09 | 0 | 0.009 | 0.004 | 0.09 | 0.053 | -999 | 0.013 | 0.098 | |
| D | RYPC1206 | 0 | 0.4 | 0.4 | C1206_0-0.4 | BV3377(sub2) | BV-C&S,XF100 | 85.57214 | 60.35 | 0.99 | 1.18 | 0 | 0.003 | 0.002 | 0.05 | 0.099 | -999 | 0.028 | 0.055 | |
| D | RYPC1206 | 0.4 | 0.9 | 0.5 | C1206_0.4-0.9 | BV3377(sub2) | BV-C&S,XF100 | 82.10059 | 56.5 | 1.89 | 1.61 | 0 | 0.005 | 0.007 | 0.07 | 0.095 | -999 | 0.022 | 0.092 | |
| D | RYPC1207 | 0 | 0.3 | 0.3 | C1207_0-0.3 | BV3377(sub2) | BV-C&S,XF100 | 79.1815 | 55.83 | 0.61 | 1.56 | 0 | 0.008 | 0.002 | 0.04 | 0.118 | -999 | 0.016 | 0.075 | |
| D | RYPC1207 | 0.3 | 0.9 | 0.6 | C1207_0.3-0.9 | BV3377(sub2) | BV-C&S,XF100 | 72.1917 | 54.25 | 0.78 | 1.68 | 0 | 0.012 | 0.003 | 0.04 | 0.168 | -999 | 0.011 | 0.08 | |
| D | RYPC1208 | 0 | 0.3 | 0.3 | C1208_0-0.3 | BV3377(sub2) | BV-C&S,XF100 | 88.2653 | 57.1 | 2.24 | 1.37 | 0.01 | 0.009 | 0.002 | 0.09 | 0.056 | -999 | 0.028 | 0.056 | |
| D | RYPC1208 | 0.3 | 0.9 | 0.6 | C1208_0.3-0.9 | BV3377(sub2) | BV-C&S,XF100 | 82.7768 | 48.62 | 4.75 | 1.74 | 0 | 0.006 | 0.005 | 0.15 | 0.071 | -999 | 0.015 | 0.109 | |
| D | RYPC1209 | 0 | 0.5 | 0.5 | C1209_0-0.5 | BV3377(sub2) | BV-C&S,XF100 | 92.69469 | 60.34 | 1.32 | 1.15 | 0 | 0.005 | 0.001 | 0.06 | 0.066 | -999 | 0.031 | 0.048 | |
| D | RYPC1209 | 0.5 | 0.9 | 0.4 | C1209_0.5-0.9 | BV3377(sub2) | BV-C&S,XF100 | 72.57143 | 51.38 | 3.86 | 1.63 | 0 | 0.007 | 0.005 | 0.1 | 0.055 | -999 | 0.02 | 0.075 | |
| D | RYPC1210 | 0 | 0.3 | 0.3 | C1210_0-0.3 | BV3377(sub2) | BV-C&S,XF100 | 92.10925 | 61.54 | 1.15 | 0.97 | 0.01 | 0.008 | 0.002 | 0.08 | 0.062 | -999 | 0.034 | 0.042 | |
| D | RYPC1210 | 0.3 | 0.9 | 0.6 | C1210_0.3-0.9 | BV3377(sub2) | BV-C&S,XF100 | 84.12292 | 57.9 | 1.31 | 1.38 | 0 | 0.007 | 0.007 | 0.07 | 0.042 | -999 | 0.028 | 0.062 | |
| D | RYPC1211 | 0 | 0.6 | 0.6 | C1211_0-0.6 | BV3377(sub2) | BV-C&S,XF100 | 94.18919 | 62.76 | 1.21 | 0.93 | 0 | 0.007 | 0.002 | 0.07 | 0.068 | -999 | 0.037 | 0.033 | |
| D | RYPC1211 | 0.6 | 1.2 | 0.6 | C1211_0.6-1.2 | BV3377(sub2) | BV-C&S,XF100 | 79.50311 | 52.83 | 3.36 | 1.58 | 0 | 0.003 | 0.002 | 0.14 | 0.052 | -999 | 0.025 | 0.095 | |
| D | RYPC1211 | 1.2 | 1.5 | 0.3 | C1211_1.2-1.5 | BV3377(sub2) | BV-C&S,XF100 | 81.84714 | 53.53 | 3.31 | 1.49 | 0 | 0.005 | 0.002 | 0.15 | 0.057 | -999 | 0.027 | 0.096 | |
| D | RYPC1303 | 0 | 0.2 | 0.2 | C1303_0-0.2 | BV3377(sub2) | BV-C&S,XF100 | 77.36221 | 55.08 | 1.74 | 1.6 | 0.01 | 0.008 | 0.006 | 0.1 | 0.102 | -999 | 0.019 | 0.057 | |
| D | RYPC1303 | 0.2 | 3.3 | 3.1 | C1303_0.2-3.3 | BV3377(sub2) | BV-C&S,XF100 | 72.10441 | 53.08 | 1.31 | 1.7 | 0.01 | 0.005 | 0.004 | 0.15 | 0.129 | -999 | 0.014 | 0.088 | |
| D | RYPC1304 | 0 | 0.5 | 0.5 | C1304_0-0.5 | BV3377(sub2) | BV-C&S,XF100 | 90.34135 | 60.17 | 1.38 | 1.18 | 0 | 0.003 | 0.002 | 0.07 | 0.097 | -999 | 0.03 | 0.048 | |
| D | RYPC1304 | 0.5 | 2.1 | 1.6 | C1304_0.5-2.1 | BV3377(sub2) | BV-C&S,XF100 | 76.48855 | 55.65 | 1.81 | 1.79 | 0 | 0.006 | 0.007 | 0.09 | 0.088 | -999 | 0.021 | 0.084 | |
| D | RYPC1305 | 0 | 0.4 | 0.4 | C1305_0-0.4 | BV3377(sub2) | BV-C&S,XF100 | 85.12518 | 57.38 | 2.01 | 1.29 | 0 | 0.006 | 0.002 | 0.07 | 0.07 | -999 | 0.025 | 0.069 | |
| D | RYPC1305 | 0.4 | 2.5 | 2.1 | C1305_0.4-2.5 | BV3377(sub2) | BV-C&S,XF100 | 70.71689 | 51.94 | 4.2 | 1.56 | 0 | 0.006 | 0.009 | 0.08 | 0.065 | -999 | 0.019 | 0.092 | |
| D | RYPC1306 | 0 | 0.4 | 0.4 | C1306_0-0.4 | BV3377(sub2) | BV-C&S,XF100 | 86.98412 | 58.76 | 1.13 | 1.27 | 0.01 | 0.013 | 0.005 | 0.09 | 0.074 | -999 | 0.024 | 0.049 | |
| D | RYPC1306 | 0.4 | 1.8 | 1.4 | C1306_0.4-1.8 | BV3377(sub2) | BV-C&S,XF100 | 73.59455 | 52.45 | 2.13 | 1.72 | 0 | 0.008 | 0.004 | 0.15 | 0.086 | -999 | 0.013 | 0.097 | |
| D | RYPC1307 | 0 | 0.6 | 0.6 | C1307_0-0.6 | BV3377(sub2) | BV-C&S,XF100 | 92.34104 | 61.56 | 0.98 | 1.1 | 0.01 | 0.01 | 0.002 | 0.07 | 0.059 | -999 | 0.029 | 0.036 | |
| D | RYPC1307 | 0.6 | 1.1 | 0.5 | C1307_0.6-1.1 | BV3377(sub2) | BV-C&S,XF100 | 80.2969 | 55.6 | 2.38 | 1.4 | 0 | 0.005 | 0.002 | 0.09 | 0.059 | -999 | 0.019 | 0.085 | |
| D | RYPC1307 | 1.1 | 6.5 | 5.4 | C1307_1.1-6.5 | BV3377(sub2) | BV-C&S,XF100 | 64.03345 | 54.23 | 0.86 | 1.55 | 0 | 0.006 | 0.006 | 0.21 | 0.166 | -999 | 0.012 | 0.1 | |
| D | RYPC1308 | 0 | 0.5 | 0.5 | C1308_0-0.5 | BV3377(sub2) | BV-C&S,XF100 | 75.11592 | 51.61 | 1.68 | 1.77 | 0 | 0.011 | 0.002 | 0.13 | 0.118 | -999 | 0.012 | 0.086 | |
| D | RYPC1308 | 0.5 | 1 | 0.5 | C1308_0.5-1 | BV3377(sub2) | BV-C&S,XF100 | 64.32079 | 52.49 | 0.85 | 2.03 | 0 | 0.017 | 0.005 | 0.07 | 0.127 | -999 | 0.008 | 0.094 | |
| D | RYPC1309 | 0 | 0.5 | 0.5 | C1309_0-0.5 | BV3377(sub2) | BV-C&S,XF100 | 67.66091 | 54.51 | 1.42 | 1.72 | 0.01 | 0.007 | 0.012 | 0.25 | 0.236 | -999 | 0.019 | 0.055 | |
| D | RYPC1402 | 0 | 0.2 | 0.2 | C1402_0-0.2 | BV3377(sub2) | BV-C&S,XF100 | 76.26628 | 56.25 | 1.93 | 1.69 | 0 | 0.007 | 0.006 | 0.08 | 0.103 | -999 | 0.023 | 0.067 | |
| D | RYPC1402 | 0.2 | 0.9 | 0.7 | C1402_0.2-0.9 | BV3377(sub2) | BV-C&S,XF100 | 61.80758 | 53.31 | 1.37 | 2.5 | 0 | 0.014 | 0.017 | 0.18 | 0.149 | -999 | 0.017 | 0.099 | |
| D | RYPC1403 | 0 | 1 | 1 | C1403_0-1 | BV3377(sub2) | BV-C&S,XF100 | 48.98305 | 54.11 | 1.56 | 2.06 | 0 | 0.004 | 0.008 | 0.19 | 0.144 | -999 | 0.017 | 0.096 | |
| D | RYPC1404 | 0 | 0.6 | 0.6 | C1404_0-0.6 | BV3377(sub2) | BV-C&S,XF100 | | | | | | | | | | | | | |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | Ti_>1mm | V_>1mm | As_>1mm | Ba_>1mm | Co_>1mm | Cu_>1mm | Cr_>1mm | Pb_>1mm | Ni_>1mm | Sn_>1mm | Sr_>1mm | Zn_>1mm | Zr_>1mm | LOI1000_>1mm% | Mass-1mm% | Fe_<1mm | Si_<1mm | Al_<1mm | Ca_<1mm | Cl_<1mm |
|-------|----------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|-----------|---------|---------|---------|---------|---------|
| H1001 | | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | % | % | % | % | % | % |
| D | RYP0403 | 0.09 | 110 | 10 | -10 | 460 | 10 | 47020 | -10 | 2410 | -0.001 | -10 | 310 | -10 | 12.69 | 36.15385 | 43.23 | 2.63 | 3.43 | -0.01 | 0.013 |
| D | RYP0404 | 0.13 | 270 | 40 | -10 | 170 | 10 | 27700 | 30 | 780 | 0.002 | 70 | 160 | 50 | 9.06 | 22.11539 | 35.13 | 10.28 | 2 | -0.01 | 0.016 |
| D | RYP0404 | 0.14 | 310 | 50 | -10 | 220 | -10 | 35900 | -10 | 1240 | 0.003 | 70 | 200 | 50 | 11.77 | 21.32565 | 34.8 | 11.15 | 2.26 | -0.01 | 0.013 |
| D | RYP0501 | 0.16 | 160 | 20 | -10 | 210 | -10 | 24400 | 30 | 1130 | 0.002 | 50 | 180 | 60 | 5.75 | 12.0155 | 34.34 | 11.42 | 1.23 | 0.02 | 0.014 |
| D | RYP0501 | 0.23 | 150 | 20 | -10 | 220 | -10 | 33100 | 30 | 1120 | 0.003 | 70 | 230 | 70 | 8.3 | 21.84558 | 27.75 | 16.5 | 1.45 | -0.01 | 0.008 |
| D | RYP0502 | 0.22 | 210 | 30 | -10 | 200 | 10 | 29200 | 10 | 840 | 0.001 | 60 | 180 | 60 | 6.01 | 14.79374 | 34.17 | 12.79 | 1.23 | 0.01 | 0.014 |
| D | RYP0503 | 0.22 | 170 | 20 | -10 | 210 | 10 | 27500 | 20 | 990 | 0.002 | 50 | 200 | 60 | 5.84 | 12.05357 | 39.05 | 11.89 | 1.12 | -0.01 | 0.007 |
| D | RYP0503 | 0.18 | 150 | 30 | -10 | 480 | 20 | 42100 | 20 | 2500 | 0.002 | 70 | 320 | 60 | 12.83 | 30.07246 | 25.75 | 15.91 | 1.76 | -0.01 | 0.007 |
| D | RYP0504 | 0.18 | 310 | 30 | 110 | 160 | 50 | 21180 | -10 | 900 | 0.003 | 20 | 140 | -10 | 1.9 | 4.080311 | 43.53 | 6.15 | 0.78 | 0.03 | 0.037 |
| D | RYP0504 | 0.23 | 200 | 20 | 100 | 200 | 50 | 26540 | 20 | 950 | 0.004 | 40 | 170 | 60 | 6.28 | 14.81481 | 42.12 | 10.58 | 1.19 | 0 | 0.006 |
| D | RYP0504 | 0.29 | 180 | 30 | 30 | 190 | 30 | 32790 | -10 | 900 | 0.002 | 20 | 150 | 60 | 10.75 | 28.82012 | 25.23 | 19.05 | 1.87 | 0 | 0.005 |
| D | RYP0505 | 0.19 | 290 | 30 | 20 | 150 | 10 | 19900 | 70 | 750 | 0.003 | 70 | 130 | 60 | 2.48 | 3.993344 | 41.06 | 6.98 | 1.19 | 0.04 | 0.023 |
| D | RYP0506 | 0.16 | 260 | 30 | -10 | 150 | 20 | 22200 | 30 | 840 | 0.004 | 50 | 130 | 50 | 4.93 | 16.87429 | 35.71 | 8.18 | 2.72 | 0.02 | 0.017 |
| D | RYP0507 | 0.19 | 210 | 30 | -10 | 140 | 20 | 24300 | 40 | 820 | 0.003 | 70 | 140 | 60 | 6.61 | 22.94854 | 33.64 | 10.82 | 2.64 | -0.01 | 0.014 |
| D | RYP0510 | 0.2 | 170 | 20 | -10 | 100 | -10 | 19000 | 30 | 980 | 0.002 | 70 | 80 | 70 | 7.27 | 24.53704 | 17.96 | 24.69 | 1.18 | 0.01 | 0.009 |
| D | RYP0511 | 0.28 | 190 | 20 | 60 | 160 | 50 | 25950 | 50 | 1370 | 0.003 | 30 | 120 | -10 | 8.28 | 42.16028 | 33.77 | 10.14 | 3.97 | 0.02 | 0.014 |
| D | RYP0601 | 0.18 | 100 | -10 | 90 | 1370 | 60 | 36330 | 50 | 2510 | 0.002 | 50 | 350 | -10 | 8.48 | 31.14754 | 44.58 | 4.96 | 2.46 | 0.06 | 0.011 |
| D | RYP0602 | 0.19 | 110 | 20 | -10 | 490 | -10 | 43600 | -10 | 1780 | 0.002 | 90 | 390 | 60 | 13.54 | 41.95804 | 41.29 | 6.59 | 2.37 | -0.01 | 0.018 |
| D | RYP0603 | 0.49 | 140 | 20 | -10 | 150 | -10 | 32700 | 30 | 1020 | 0.001 | 100 | 190 | 140 | 14.45 | 46.21027 | 31.65 | 11.84 | 3.2 | -0.01 | 0.023 |
| D | RYP0604 | 0.16 | 200 | -10 | -10 | 140 | 30 | 24260 | 20 | 1350 | -0.001 | -10 | 130 | -10 | 7.23 | 16.59272 | 34.74 | 12.83 | 1.28 | 0.01 | 0.011 |
| D | RYP0604 | 0.09 | 30 | -10 | -10 | 180 | -10 | 20910 | -10 | 2270 | -0.001 | -10 | 110 | -10 | 15.24 | 30.84746 | 25.27 | 17.41 | 1.69 | -0.01 | 0.012 |
| D | RYP0605 | 0.16 | 240 | 20 | 80 | 130 | 70 | 23600 | 40 | 1050 | 0.004 | 30 | 140 | -10 | 4.35 | 9.690444 | 41.55 | 8.9 | 1.21 | 0.03 | 0.015 |
| D | RYP0606 | 0.15 | 200 | 20 | 70 | 130 | 50 | 22890 | 50 | 1030 | 0.003 | 40 | 130 | -10 | 4.23 | 9.251968 | 47.44 | 5.55 | 1.31 | 0.02 | 0.011 |
| D | RYP0607 | 0.16 | 230 | 30 | 10 | 150 | 20 | 22000 | 70 | 910 | 0.003 | 70 | 130 | 60 | 3.18 | 13.61032 | 42.34 | 8.96 | 1.13 | 0.07 | 0.013 |
| D | RYP0608 | 0.18 | 180 | 20 | 60 | 130 | 50 | 22990 | 20 | 910 | 0.002 | 20 | 110 | -10 | 4.18 | 12.72385 | 33.2 | 13.64 | 1.22 | 0.02 | 0.007 |
| D | RYP0608 | 0.2 | 160 | 30 | -10 | 130 | 50 | 26070 | -10 | 960 | -0.001 | -10 | 110 | -10 | 5.68 | 22.54098 | 19.51 | 23.43 | 1.22 | -0.01 | 0.006 |
| D | RYP0608 | 0.38 | 100 | -10 | -10 | 240 | 20 | 24320 | -10 | 2960 | -0.001 | -10 | 160 | 50 | 11.7 | 39.11846 | 45.39 | 4.52 | 3.77 | -0.01 | 0.016 |
| D | RYP0609 | 0.14 | 130 | -10 | -10 | 180 | 30 | 24260 | -10 | 1140 | -0.001 | -10 | 160 | -10 | 5.35 | 9.299895 | 43.89 | 6.02 | 1.14 | 0.06 | 0.023 |
| D | RYP0609 | 0.17 | 110 | 20 | -10 | 180 | 10 | 27730 | -10 | 1160 | -0.001 | -10 | 170 | -10 | 9.71 | 24.49239 | 37.57 | 9.18 | 2.36 | -0.01 | 0.013 |
| D | RYP0609 | 0.18 | 110 | -10 | -10 | 180 | 30 | 26180 | -10 | 1160 | -0.001 | -10 | 180 | -10 | 9.3 | 24.13381 | 28.36 | 16.9 | 1.73 | -0.01 | 0.009 |
| D | RYP0609 | 0.18 | 140 | -10 | -10 | 200 | 20 | 34200 | 20 | 1160 | -0.001 | -10 | 200 | -10 | 9.61 | 37.80761 | 41.82 | 5.46 | 3.32 | -0.01 | 0.013 |
| D | RYP0610 | 0.17 | 130 | 10 | -10 | 150 | 20 | 21980 | -10 | 1060 | -0.001 | -10 | 100 | -10 | 6.8 | 13.48724 | 36.37 | 10.98 | 1.31 | 0.04 | 0.022 |
| D | RYP0610 | 0.12 | 70 | -10 | -10 | 290 | 20 | 21790 | -10 | 2030 | -0.001 | -10 | 140 | -10 | 13.64 | 38.9313 | 16.75 | 25.47 | 1.16 | -0.01 | 0.009 |
| D | RYP0610 | 0.24 | 130 | -10 | -10 | 180 | 20 | 28490 | -10 | 1070 | -0.001 | -10 | 160 | 30 | 8.5 | 32.38095 | 37.23 | 9.42 | 3.33 | -0.01 | 0.014 |
| D | RYP0611 | 0.22 | 100 | 20 | -10 | 700 | 10 | 32240 | -10 | 2470 | -0.001 | -10 | 160 | -10 | 6.96 | 29.35528 | 32.19 | 12.86 | 1.68 | 0.06 | 0.012 |
| D | RYP0701 | 0.14 | 190 | 20 | -10 | 200 | -10 | 24400 | -10 | 840 | 0.002 | 40 | 160 | 40 | 2.77 | 10.72961 | 45.38 | 7.7 | 1.11 | 0.01 | 0.013 |
| D | RYP0702 | 0.13 | 150 | 50 | 30 | 200 | -10 | 30650 | -10 | 1010 | 0.001 | -10 | 210 | -10 | 6.26 | 17.52137 | 45.35 | 6.19 | 1.41 | 0.02 | 0.015 |
| D | RYP0703 | 0.16 | 200 | 70 | 40 | 170 | -10 | 27370 | -10 | 800 | -0.001 | -10 | 160 | -10 | 4.61 | 15.84507 | 45.56 | 7.81 | 1.22 | 0.02 | 0.01 |
| D | RYP0704 | 0.11 | 90 | 20 | -10 | 390 | -10 | 35500 | -10 | 1410 | 0.003 | 80 | 300 | 40 | 8.08 | 35.75581 | 43.45 | 7.33 | 1.31 | 0.02 | 0.01 |
| D | RYP0706 | 0.1 | 120 | 40 | 40 | 200 | -10 | 33040 | -10 | 1020 | -0.001 | -10 | 260 | -10 | 7.04 | 17.82178 | 46 | 7.28 | 1.58 | 0.01 | 0.01 |
| D | RYP0707 | 0.15 | 120 | 50 | -10 | 210 | -10 | 30380 | -10 | 1170 | 0.001 | -10 | 240 | -10 | 8.74 | 18.60987 | 39 | 10.51 | 1.82 | 0.01 | 0.01 |
| D | RYP0708 | 0.19 | 130 | 60 | -10 | 220 | -10 | 33220 | -10 | 1480 | -0.001 | -10 | 210 | 10 | 8.52 | 24.81752 | 38.65 | 8.82 | 1.75 | 0.01 | 0.014 |
| D | RYP0710 | 0.15 | 110 | 10 | -10 | 840 | -10 | 32200 | -10 | 3310 | 0.003 | 60 | 240 | 50 | 5.12 | 46.97987 | 47.64 | 4.9 | 1.63 | 0.01 | 0.008 |
| D | RYP0801 | 0.18 | 220 | 60 | 40 | 190 | -10 | 30690 | -10 | 800 | 0.001 | -10 | 200 | 10 | 5.31 | 18.81188 | 30.63 | 16.19 | 1.5 | 0.01 | 0.008 |
| D | RYP0802 | 0.14 | 190 | 30 | 50 | 220 | 10 | 33920 | 10 | 1060 | 0.003 | -10 | 250 | 10 | 5.43 | 13.12057 | 46.42 | 6.29 | 1.22 | 0.01 | 0.012 |
| D | RYP0803 | 0.14 | 150 | 40 | 40 | 300 | -10 | 26950 | -10 | 930 | 0.001 | -10 | 190 | -10 | 5.73 | 20.50209 | 45.39 | 6.51 | 2.16 | 0.02 | 0.016 |
| D | RYP0804 | 0.08 | 80 | 10 | 50 | 570 | 40 | 37270 | -10 | 2300 | 0.003 | 50 | 520 | 30 | 12.84 | 36.28309 | 52.7 | 1.6 | 1.06 | 0 | 0.016 |
| D | RYP0804 | 0.07 | 70 | -10 | 70 | 340 | 40 | 45710 | -10 | 1300 | 0.003 | 40 | 370 | -10 | 12.62 | 30.3523 | 52.25 | 1.08 | 1.26 | 0 | 0.005 |
| D | RYP0805 | 0.14 | 190 | 20 | 50 | 210 | 10 | 31310 | -10 | 1060 | 0.001 | -10 | 280 | 10 | 6.52 | 20.33195 | 49.93 | 3.05 | 1.33 | 0.02 | 0.011 |
| D | RYP0806 | 0.15 | 150 | 40 | 20 | 200 | 10 | 30610 | -10 | 1040 | 0.001 | -10 | 280 | 20 | 8.87 | 21.28514 | 43.22 | 7.15 | 1.78 | 0.01 | 0.016 |
| D | RYP0807 | 0.17 | 140 | 20 | -10 | 390 | -10 | 37200 | -10 | 1930 | 0.002 | 60 | 330 | 50 | 6.87 | 36.7347 | 49.75 | 3.56 | 1.75 | 0.02 | 0.01 |
| D | RYP0901 | 0.18 | 240 | 30 | -10 | 160 | -10 | 25500 | 30 | 550 | 0.003 | 60 | 170 | 60 | 2.73 | 11.65644 | 36.48 | 12.56 | 1.02 | 0.02 | 0.01 |
| D | RYP0902 | 0.14 | 170 | 30 | 40 | 220 | 10 | 20710 | -10 | 1050 | 0.002 | -10 | 230 | 10 | 6.29 | 19.4332 | 53.44 | 3.35 | 1.35 | 0.01 | 0.008 |
| D | RYP0903 | 0.19 | 250 | 30 | 50 | 80 | 40 | 22960 | -10 | 560 | 0.003 | -10 | 170 | 20 | 3.94 | 8.080808 | 52.36 | 4.41 | 1.2 | 0.01 | 0.008 |
| D | RYP0904 | 0.19 | 180 | 20 | -10 | 120 | -10 | 24300 | 40 | 880 | 0.002 | 80 | 200 | 60 | 8.46 | 14.92147 | 48.36 | 5.54 | 1.29 | -0.01 | 0.011 |
| D | RYP0907 | 0.2 | 130 | 40 | 30 | 120 | 20 | 28060 | -10 | 730 | 0.002 | -10 | 160 | 30 | 5.85 | 29.75207 | 33.95 | 13.28 | 1.79 | 0.02 | 0.012 |
| D | RYP0908 | 0.22 | 120 | 40 | 20 | 180 | 10 | 27520 | -10 | 1090 | 0.002 | -10 | 190 | 30 | 6.3 | 36.50794 | 43.23 | 7.42 | 2.39 | 0.01 | 0.011 |
| D | RYP0909 | 0.19 | 160 | 30 | 40 | 110 | 10 | 24640 | 10 | 690 | 0.003 | -10 | 150 | 20 | 4.06 | 22.68518 | 40.14 | 9.49 | 2.05 | 0.01 | 0.011 |
| D | RYP01001 | 0.1 | 40 | -10 | 40 | 90 | 40 | 15660 | -10 | 1740 | 0.003 | -10 | 120 | -10 | 13.63 | 11.94539 | 50.21 | 5.97 | 0.89 | 0.02 | 0.016 |
| D | RYP01001 | 0.23 | 140 | 20 | 40 | 150 | 40 | 31710 | 30 | 650 | 0.003 | 30 | 190 | -10 | 8.4 | 19.49153 | 32.29 | 15.27 | 1.31 | 0.02 | 0.008 |
| D | RYP01001 | 0.13 | 150 | 20 | -10 | 190 | -10 | 26400 | 70 | 840 | 0.003 | 70 | 190 | 60 | 4.84 | 20.61403 | 47.87 | 3.17 | 3.81 | -0.01 | 0.014 |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | Ti_>1mm | V_>1mm | As_>1mm | Ba_>1mm | Co_>1mm | Cu_>1mm | Cr_>1mm | Pb_>1mm | Ni_>1mm | Sn_>1mm | Sr_>1mm | Zn_>1mm | Zr_>1mm | LOI1000_>1mm% | Mass-1mm% | Fe_<1mm | Si_<1mm | Al_<1mm | Ca_<1mm | Cl_<1mm |
|-------|----------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|-----------|---------|---------|---------|---------|---------|
| H1001 | | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | % | % | % | % | % | % |
| D | RYPA1002 | 0.12 | 100 | 40 | 10 | 380 | -10 | 35290 | -10 | 1470 | 0.002 | -10 | 320 | -10 | 9.99 | 30 | 48.7 | 4.42 | 1.38 | 0.01 | 0.01 |
| D | RYPA1003 | 0.17 | 190 | 50 | 50 | 60 | 10 | 29380 | -10 | 630 | 0.001 | -10 | 170 | 10 | 5.54 | 15.07936 | 48.79 | 6.2 | 1.22 | 0.01 | 0.009 |
| D | RYPA1004 | 0.17 | 210 | 20 | 20 | 100 | -10 | 23200 | 50 | 600 | 0.003 | 60 | 170 | 60 | 3.78 | 9.871244 | 51.53 | 2.45 | 1.17 | 0.06 | 0.015 |
| D | RYPA1005 | 0.13 | 130 | 20 | -10 | 100 | -10 | 17600 | 40 | 750 | 0.003 | 50 | 130 | 50 | 3.74 | 11.15538 | 50.01 | 5.25 | 1.17 | 0.02 | 0.01 |
| D | RYPA1007 | 0.17 | 110 | 20 | 50 | 140 | -10 | 24660 | 20 | 910 | 0.002 | -10 | 130 | 30 | 4.24 | 37.57576 | 34.47 | 13.95 | 1.75 | 0.01 | 0.01 |
| D | RYPA1008 | 0.18 | 100 | 30 | 20 | 330 | 20 | 25100 | -10 | 1200 | 0.002 | -10 | 170 | 20 | 6.14 | 32.07547 | 38.5 | 10.49 | 2.66 | 0.02 | 0.009 |
| D | RYPA1008 | 0.18 | 100 | 30 | 20 | 330 | 20 | 25100 | -10 | 1200 | 0.002 | -10 | 170 | 20 | 6.14 | 32.07547 | 38.5 | 10.49 | 2.66 | 0.02 | 0.009 |
| D | RYPA1008 | 0.18 | 100 | 30 | 20 | 330 | 20 | 25100 | -10 | 1200 | 0.002 | -10 | 170 | 20 | 6.14 | 32.07547 | 38.5 | 10.49 | 2.66 | 0.02 | 0.009 |
| D | RYPA1008 | 0.18 | 100 | 30 | 20 | 330 | 20 | 25100 | -10 | 1200 | 0.002 | -10 | 170 | 20 | 6.14 | 32.07547 | 38.5 | 10.49 | 2.66 | 0.02 | 0.009 |
| D | RYPA1101 | 0.08 | 90 | 20 | 30 | 340 | -10 | 30170 | -10 | 1420 | 0.002 | -10 | 270 | -10 | 7.23 | 21.55963 | 48.17 | 6.44 | 1.31 | 0.01 | 0.009 |
| D | RYPA1102 | 0.08 | 60 | 30 | 20 | 580 | -10 | 34760 | -10 | 2360 | 0.002 | -10 | 370 | -10 | 11.79 | 42.5 | 51.6 | 1.12 | 2.04 | 0.01 | 0.013 |
| D | RYPA1102 | 0.08 | 60 | 30 | 20 | 580 | -10 | 34760 | -10 | 2360 | 0.002 | -10 | 370 | -10 | 11.79 | 42.5 | 51.6 | 1.12 | 2.04 | 0.01 | 0.013 |
| D | RYPA1103 | 0.05 | 60 | 30 | 40 | 620 | -10 | 35860 | -10 | 1520 | 0.001 | -10 | 270 | -10 | 9.4 | 27.45098 | 51.94 | 2.23 | 1.17 | 0.04 | 0.011 |
| D | RYPA1104 | 0.08 | 70 | -10 | -10 | 980 | -10 | 39100 | 20 | 2270 | 0.002 | 90 | 350 | 40 | 10.51 | 62.01117 | 49.23 | 3.04 | 2.21 | -0.01 | 0.009 |
| D | RYPA1106 | 0.14 | 100 | 20 | -10 | 250 | -10 | 28400 | -10 | 890 | 0.002 | 40 | 170 | 50 | 3.9 | 41.1017 | 45.85 | 6.58 | 1.83 | -0.01 | 0.01 |
| D | RYPB0711 | 0.13 | 100 | 10 | 80 | 480 | 40 | 28230 | -10 | 2570 | 0.003 | 40 | 280 | 30 | 8.48 | 32.12237 | 43 | 4.46 | 2.2 | 0.01 | 0.007 |
| D | RYPB0808 | 0.2 | 130 | 20 | -10 | 240 | 10 | 30000 | 20 | 1220 | 0.003 | 70 | 230 | 60 | 5.72 | 35.14739 | 44.11 | 5.95 | 2.64 | 0.01 | 0.009 |
| D | RYPB1009 | 0.19 | 60 | 10 | 20 | 810 | 10 | 17690 | -10 | 8580 | 0.001 | -10 | 340 | 60 | 17.56 | 35.58442 | 36.12 | 7.28 | 2.95 | 0.09 | 0.01 |
| D | RYPB1108 | 0.14 | 100 | 10 | 60 | 460 | 40 | 32970 | -10 | 2360 | 0.003 | 40 | 220 | 20 | 7.59 | 40.68966 | 45.23 | 4.08 | 2.71 | 0.01 | 0.003 |
| D | RYPB1109 | 0.14 | 110 | 20 | 70 | 970 | 40 | 40360 | -10 | 3360 | 0.004 | 50 | 320 | 40 | 9.79 | 35.23209 | 42.37 | 4.52 | 2.09 | 0.02 | 0.003 |
| D | RYPB1201 | 0.13 | 90 | 20 | 80 | 350 | 50 | 29520 | -10 | 1340 | 0.002 | 30 | 160 | -10 | 5.8 | 33.28051 | 38.39 | 9.84 | 2.23 | 0.03 | 0.006 |
| D | RYPB1202 | 0.08 | 80 | 10 | 110 | 970 | 50 | 37910 | -10 | 3840 | 0.003 | 50 | 300 | 20 | 8.99 | 33.19058 | 43.56 | 4.19 | 2.07 | 0.03 | 0.003 |
| D | RYPB1301 | 0.11 | 100 | -10 | -10 | 880 | 30 | 36050 | 20 | 2380 | -0.001 | -10 | 250 | -10 | 7.25 | 34.10853 | 43.12 | 7.19 | 2.76 | 0.01 | 0.007 |
| D | RYPB1302 | 0.08 | 70 | 10 | 130 | 1260 | 50 | 40810 | -10 | 3050 | 0.002 | 50 | 320 | -10 | 9.2 | 38.95028 | 50.88 | 2.73 | 1.94 | 0.01 | 0.005 |
| D | RYPB1401 | 0.05 | 80 | 10 | 90 | 1710 | 20 | 42100 | 30 | 3600 | 0.003 | 110 | 390 | 40 | 8.69 | 45.16129 | 49.76 | 2.15 | 1.64 | -0.01 | 0.006 |
| D | RYPB1401 | 0.08 | 110 | 10 | -10 | 610 | 10 | 43700 | 30 | 2320 | 0.002 | 90 | 380 | 40 | 9.1 | 39.02027 | 50.07 | 2.86 | 1.87 | -0.01 | 0.007 |
| D | RYPC0307 | 0.15 | 380 | 40 | -10 | 80 | -10 | 22450 | -10 | 320 | 0.003 | -10 | 90 | 50 | 8.59 | 40.81325 | 20.1 | 20.05 | 1.68 | 0.01 | 0.053 |
| D | RYPC0307 | 0.13 | 210 | 30 | -10 | 210 | -10 | 31800 | -10 | 1130 | 0.003 | 70 | 200 | 50 | 10.38 | 22.3301 | 38.39 | 10.6 | 1.9 | -0.01 | 0.009 |
| D | RYPC0307 | 0.13 | 100 | 20 | -10 | 410 | -10 | 29800 | 20 | 2020 | 0.003 | 70 | 270 | 60 | 12.23 | 40.88586 | 42.18 | 5.88 | 3.76 | -0.01 | 0.007 |
| D | RYPC0308 | 0.12 | 340 | 40 | -10 | 130 | -10 | 29670 | -10 | 660 | -0.001 | -10 | 110 | 30 | 11.08 | 42.56055 | 5.75 | 29.39 | 1.05 | -0.01 | 0.032 |
| D | RYPC0308 | 0.13 | 100 | -10 | 40 | 360 | 50 | 36000 | 30 | 2010 | 0.003 | 40 | 300 | -10 | 11.74 | 43.58553 | 42.86 | 5.76 | 3.82 | 0.01 | 0.009 |
| D | RYPC0309 | 0.11 | 270 | 40 | 30 | 170 | 40 | 32800 | 20 | 1050 | 0.002 | 30 | 200 | -10 | 12.89 | 25.81169 | 13.8 | 25.67 | 1.13 | 0.02 | 0.024 |
| D | RYPC0309 | 0.11 | 110 | 10 | -10 | 280 | -10 | 33470 | -10 | 1660 | 0.001 | -10 | 190 | 60 | 10.99 | 19.01082 | 42.18 | 6.61 | 2.46 | -0.01 | 0.011 |
| D | RYPC0309 | 0.13 | 100 | -10 | -10 | 350 | 20 | 38150 | -10 | 2170 | -0.001 | -10 | 280 | -10 | 11.19 | 30.20833 | 39.69 | 7.31 | 3.23 | -0.01 | 0.008 |
| D | RYPC0310 | 0.13 | 330 | 40 | -10 | 150 | -10 | 26420 | 10 | 800 | -0.001 | -10 | 120 | 40 | 8.1 | 21.83908 | 14.42 | 25.44 | 0.91 | -0.01 | 0.018 |
| D | RYPC0310 | 0.14 | 220 | 50 | -10 | 180 | 10 | 30200 | -10 | 1010 | -0.001 | -10 | 170 | -10 | 9.88 | 15.13353 | 40.59 | 9.77 | 1.8 | -0.01 | 0.009 |
| D | RYPC0311 | 0.17 | 130 | 20 | 40 | 410 | 50 | 34930 | 30 | 2180 | -0.001 | 40 | 320 | -10 | 13.06 | 37.26791 | 33.62 | 11.41 | 3.87 | 0.01 | 0.01 |
| D | RYPC0312 | 0.17 | 400 | 30 | -10 | 140 | 20 | 26590 | -10 | 710 | -0.001 | -10 | 140 | -10 | 7.3 | 34.58823 | 7.93 | 33.83 | 0.74 | -0.01 | 0.011 |
| D | RYPC0312 | 0.19 | 220 | -10 | -10 | 200 | 30 | 28460 | -10 | 880 | -0.001 | -10 | 170 | -10 | 9.44 | 20.82759 | 21.08 | 24.3 | 1.15 | -0.01 | 0.009 |
| D | RYPC0405 | 0.17 | 210 | 20 | 30 | 130 | 30 | 29640 | -10 | 720 | 0.002 | -10 | 150 | -10 | 4.83 | 19.29204 | 18.21 | 21 | 0.89 | 0.04 | 0.017 |
| D | RYPC0405 | 0.19 | 130 | 30 | -10 | 250 | 10 | 44740 | -10 | 1170 | -0.001 | -10 | 270 | -10 | 13.26 | 32.03342 | 36.51 | 7.55 | 3.47 | 0.01 | 0.018 |
| D | RYPC0406 | 0.13 | 250 | 20 | 50 | 180 | 50 | 28110 | -10 | 1020 | 0.002 | 20 | 160 | -10 | 5.29 | 13.82979 | 28.87 | 13.58 | 0.95 | 0.03 | 0.029 |
| D | RYPC0406 | 0.12 | 120 | 30 | -10 | 410 | -10 | 24780 | -10 | 1640 | -0.001 | -10 | 200 | -10 | 13.53 | 26.71053 | 33.54 | 12.87 | 2.16 | -0.01 | 0.012 |
| D | RYPC0407 | 0.14 | 260 | 30 | 40 | 130 | 40 | 29960 | -10 | 680 | 0.003 | 20 | 160 | -10 | 3.85 | 14.04853 | 22.26 | 18.64 | 0.9 | 0.04 | 0.015 |
| D | RYPC0407 | 0.1 | 110 | 10 | -10 | 440 | -10 | 35390 | -10 | 2110 | -0.001 | -10 | 220 | 50 | 9.83 | 31.47632 | 46.84 | 4.04 | 3.17 | -0.01 | 0.011 |
| D | RYPC0408 | 0.14 | 240 | 30 | 60 | 200 | 40 | 31580 | -10 | 1120 | 0.002 | -10 | 170 | -10 | 7.08 | 20.15038 | 21.21 | 21.71 | 1.02 | 0.02 | 0.014 |
| D | RYPC0408 | 0.12 | 130 | 20 | -10 | 310 | -10 | 31500 | 30 | 1510 | 0.002 | 80 | 240 | 60 | 10.3 | 14.95496 | 36.93 | 11.26 | 1.51 | -0.01 | 0.008 |
| D | RYPC0408 | 0.09 | 110 | 20 | -10 | 490 | 10 | 39500 | 30 | 2080 | 0.003 | 90 | 300 | 40 | 10.39 | 36.56717 | 46.59 | 3.77 | 2.65 | -0.01 | 0.01 |
| D | RYPC0410 | 0.17 | 330 | 40 | 50 | 110 | 50 | 31380 | -10 | 580 | 0.003 | 10 | 150 | -10 | 7.61 | 25.63025 | 12.16 | 27.62 | 0.86 | 0.01 | 0.006 |
| D | RYPC0410 | 0.15 | 220 | 30 | -10 | 190 | 20 | 33280 | -10 | 920 | -0.001 | -10 | 180 | -10 | 11.15 | 22.34957 | 27.72 | 16.83 | 1.56 | 0.01 | 0.01 |
| D | RYPC0513 | 0.17 | 320 | 30 | -10 | 230 | -10 | 31600 | -10 | 920 | 0.002 | 50 | 200 | 40 | 5.71 | 22.76423 | 12.33 | 30.21 | 0.58 | 0.01 | 0.017 |
| D | RYPC0513 | 0.18 | 260 | -10 | -10 | 220 | 30 | 32610 | 20 | 920 | -0.001 | -10 | 200 | -10 | 6.55 | 23.79888 | 11.31 | 33.51 | 0.92 | -0.01 | 0.009 |
| D | RYPC0514 | 0.15 | 200 | 20 | 70 | 250 | 60 | 32260 | 60 | 1150 | 0.003 | 50 | 230 | -10 | 6.33 | 17.91846 | 29.46 | 14.18 | 0.97 | 0.04 | 0.011 |
| D | RYPC0514 | 0.16 | 110 | 20 | 40 | 340 | 40 | 41710 | -10 | 1310 | 0.002 | 40 | 280 | -10 | 11.42 | 21.02336 | 25.83 | 18.44 | 1.29 | 0.01 | 0.006 |
| D | RYPC0514 | 0.11 | 100 | 20 | 40 | 340 | 50 | 36220 | 20 | 1430 | 0.003 | 40 | 260 | -10 | 11.7 | 24.33775 | 33.45 | 11.73 | 1.79 | 0.01 | 0.015 |
| D | RYPC0515 | 0.19 | 210 | 20 | 50 | 360 | 60 | 48810 | 40 | 1330 | 0.002 | 70 | 300 | -10 | 10.52 | 32.47059 | 17.95 | 21.68 | 1.13 | 0.02 | 0.005 |
| D | RYPC0516 | 0.25 | 200 | 20 | -10 | 190 | -10 | 32440 | -10 | 660 | -0.001 | -10 | 150 | 110 | 10.82 | 28.2638 | 16.56 | 27.79 | 1.03 | -0.01 | 0.008 |
| D | RYPC0612 | 0.21 | 210 | 30 | -10 | 110 | -10 | 29180 | -10 | 530 | -0.001 | -10 | 100 | 80 | 10.08 | 24.59627 | 20.83 | 22.09 | 1.19 | -0.01 | 0.008 |
| D | RYPC0613 | 0.19 | 250 | 20 | 40 | 230 | 50 | 40980 | 40 | 920 | 0.002 | 50 | 250 | -10 | 8.72 | 27.50397 | 21.12 | 19.17 | 1.01 | 0.03 | 0.019 |
| D | RYPC0613 | 0.19 | 220 | 20 | 20 | 210 | 40 | 39520 | 30 | 870 | 0.002 | 40 | 240 | -10 | 10.02 | 30.03413 | 19.82 | 23.52 | 1.16 | 0.01 | 0.008 |
| D | RYPC0613 | 0.22 | 100 | 20 | 40 | 240 | 30 | 22630 | -10 | 1330 | 0.002 | -10 | 110 | -10 | 14.63 | 55.28634 | 47.59 | 2.6 | 3.37 | 0.01 | 0.021 |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | Ti_>1mm | V_>1mm | As_>1mm | Ba_>1mm | Co_>1mm | Cu_>1mm | Cr_>1mm | Pb_>1mm | Ni_>1mm | Sn_>1mm | Sr_>1mm | Zn_>1mm | Zr_>1mm | LOI1000_>1mm% | Mass-1mm% | Fe_<1mm | Si_<1mm | Al_<1mm | Ca_<1mm | Cl_<1mm |
|-------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|-----------|---------|---------|---------|---------|---------|
| H1001 | | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | % | % | % | % | % | % |
| D | RYP0614 | 0.16 | 270 | 20 | -10 | 150 | -10 | 17100 | 20 | 820 | 0.001 | -10 | 100 | 40 | 2.65 | 3.144654 | 47.79 | 4.56 | 1.02 | 0.02 | 0.05 |
| D | RYP0614 | 0.19 | 210 | 30 | 50 | 200 | 40 | 24720 | -10 | 980 | 0.002 | 20 | 150 | -10 | 9.18 | 25.91912 | 21.73 | 22.78 | 1.12 | 0.01 | 0.007 |
| D | RYP0615 | 0.17 | 240 | 30 | -10 | 110 | -10 | 14600 | 20 | 620 | 0.004 | 40 | 80 | 50 | 2.22 | 4.721754 | 45.98 | 7.03 | 1.18 | 0.01 | 0.014 |
| D | RYP0615 | 0.19 | 220 | 30 | -10 | 110 | -10 | 15950 | -10 | 700 | 0.001 | -10 | 60 | 70 | 5.26 | 13.47368 | 37.34 | 12.92 | 1.98 | -0.01 | 0.016 |
| D | RYP0615 | 0.29 | 60 | -10 | -10 | 470 | -10 | 16850 | -10 | 3280 | -0.001 | -10 | 100 | 80 | 11.55 | 72.17126 | 35.7 | 7.27 | 7.81 | -0.01 | 0.013 |
| D | RYP0616 | 0.19 | 300 | 30 | 80 | 50 | 50 | 15440 | 30 | 520 | 0.004 | -10 | 80 | -10 | 2.59 | 5.982906 | 34.19 | 14.12 | 0.96 | 0.03 | 0.018 |
| D | RYP0616 | 0.17 | 220 | 30 | 60 | 50 | 40 | 16470 | 20 | 550 | 0.003 | -10 | 80 | -10 | 5.48 | 17.35395 | 30.08 | 17.46 | 1.5 | 0.01 | 0.022 |
| D | RYP0616 | 0.16 | 100 | 20 | 10 | 110 | -10 | 13800 | -10 | 1940 | 0.001 | 50 | 100 | 60 | 12.6 | 69.96337 | 47.58 | 2.53 | 4.61 | -0.01 | 0.023 |
| D | RYP0617 | 0.13 | 240 | 20 | -10 | 90 | -10 | 15310 | -10 | 580 | -0.001 | -10 | 80 | 20 | 2.61 | 6.651885 | 41.78 | 7.27 | 1.06 | 0.04 | 0.028 |
| D | RYP0617 | 0.16 | 250 | 30 | 110 | 90 | 60 | 16780 | 40 | 670 | 0.003 | 20 | 110 | -10 | 3.96 | 10.73254 | 42.58 | 10.8 | 1.37 | 0.02 | 0.009 |
| D | RYP0618 | 0.14 | 240 | 30 | -10 | 80 | -10 | 17300 | -10 | 570 | 0.002 | 40 | 100 | 40 | 2.42 | 5.270655 | 46.2 | 6.17 | 1.08 | 0.02 | 0.024 |
| D | RYP0618 | 0.18 | 180 | 40 | -10 | 60 | -10 | 23380 | -10 | 530 | -0.001 | -10 | 100 | -10 | 7.58 | 12.05788 | 41.56 | 10.44 | 1.43 | 0.01 | 0.011 |
| D | RYP0620 | 0.11 | 240 | 30 | -10 | 80 | -10 | 16110 | -10 | 530 | -0.001 | -10 | 90 | 40 | 5.85 | 9.822866 | 37.59 | 12.84 | 1.18 | 0.01 | 0.021 |
| D | RYP0620 | 0.12 | 160 | 50 | -10 | 70 | -10 | 20910 | -10 | 590 | -0.001 | -10 | 140 | -10 | 10.03 | 22.05479 | 30.33 | 18.22 | 1.43 | -0.01 | 0.007 |
| D | RYP0712 | 0.14 | 150 | 20 | 80 | 50 | 60 | 13430 | 40 | 980 | 0.003 | 20 | 80 | -10 | 4.89 | 9.477521 | 33.64 | 11.45 | 1.12 | 0.04 | 0.019 |
| D | RYP0712 | 0.18 | 30 | 10 | -10 | 50 | -10 | 16730 | -10 | 860 | 0.001 | -10 | 90 | -10 | 12.76 | 48.34951 | 18.68 | 25.45 | 1.15 | 0.01 | 0.008 |
| D | RYP0715 | 0.1 | 180 | 10 | 80 | 40 | 40 | 13480 | -10 | 620 | 0.004 | 10 | 70 | -10 | 5.97 | 11.01819 | 38.79 | 10.98 | 1.14 | 0.02 | 0.012 |
| D | RYP0715 | 0.1 | 80 | 10 | 40 | 30 | 30 | 15980 | -10 | 570 | 0.003 | -10 | 70 | 40 | 11.18 | 40.13434 | 16.29 | 27.61 | 1.04 | 0 | 0.006 |
| D | RYP0716 | 0.15 | 220 | -10 | -10 | 100 | 50 | 17260 | 30 | 1000 | -0.001 | -10 | 110 | -10 | 4.05 | 8.421053 | 49.89 | 6.41 | 1.21 | 0.01 | 0.012 |
| D | RYP0716 | 0.17 | 80 | 30 | -10 | 90 | -10 | 35030 | -10 | 770 | -0.001 | -10 | 170 | -10 | 11.58 | 19.41964 | 33.7 | 13.78 | 1.46 | 0.01 | 0.004 |
| D | RYP0717 | 0.16 | 280 | 30 | 80 | 70 | 50 | 17170 | -10 | 690 | 0.003 | -10 | 100 | -10 | 2.36 | 6.521739 | 47.44 | 5.78 | 0.96 | 0.06 | 0.024 |
| D | RYP0717 | 0.17 | 130 | 30 | 70 | 70 | 40 | 22330 | -10 | 500 | 0.002 | 10 | 130 | -10 | 10.69 | 16.8883 | 38.94 | 12.3 | 1.38 | 0.01 | 0.008 |
| D | RYP0718 | 0.14 | 250 | 20 | 80 | 60 | 60 | 16050 | 50 | 570 | 0.004 | 20 | 100 | -10 | 1.48 | 5.748098 | 41.71 | 10.22 | 0.96 | 0.04 | 0.022 |
| D | RYP0718 | 0.12 | 170 | 30 | -10 | 80 | -10 | 23000 | -10 | 500 | 0.001 | 50 | 160 | 40 | 8.33 | 18.95425 | 32.27 | 16.72 | 1.2 | -0.01 | 0.007 |
| D | RYP0719 | 0.19 | 430 | 30 | 70 | 90 | 60 | 19690 | 50 | 670 | 0.004 | 30 | 120 | -10 | 3.94 | 18.69723 | 17.38 | 28.62 | 0.7 | 0.05 | 0.01 |
| D | RYP0810 | 0.16 | 240 | 20 | -10 | 110 | -10 | 18290 | -10 | 700 | -0.001 | -10 | 90 | 40 | 1.78 | 4.087193 | 51.02 | 5.66 | 0.96 | 0.01 | 0.016 |
| D | RYP0811 | 0.16 | 210 | 20 | 100 | 110 | 60 | 18860 | -10 | 950 | 0.003 | 10 | 110 | -10 | 2.98 | 7.188704 | 53.17 | 4.14 | 1.11 | 0.03 | 0.012 |
| D | RYP0812 | 0.16 | 150 | 20 | 80 | 120 | 50 | 17180 | -10 | 890 | 0.002 | 10 | 90 | -10 | 4.34 | 9.530026 | 46.39 | 6.88 | 1.32 | 0.04 | 0.013 |
| D | RYP0812 | 0.17 | 120 | 20 | -10 | 130 | -10 | 23120 | -10 | 1000 | -0.001 | -10 | 100 | 70 | 9.83 | 20.26379 | 34.26 | 14.07 | 1.59 | -0.01 | 0.008 |
| D | RYP0813 | 0.13 | 150 | 20 | 110 | 160 | 70 | 23480 | -10 | 770 | 0.003 | 30 | 150 | -10 | 3.32 | 17.42424 | 37.09 | 11.67 | 1.07 | 0.03 | 0.008 |
| D | RYP0813 | 0.11 | 60 | -10 | -10 | 230 | -10 | 17360 | -10 | 1940 | -0.001 | -10 | 100 | 20 | 12.25 | 23.16927 | 33.4 | 13.65 | 1.37 | -0.01 | 0.01 |
| D | RYP0814 | 0.16 | 90 | 10 | -10 | 230 | -10 | 31410 | -10 | 960 | 0.001 | -10 | 210 | 90 | 12.2 | 22.62522 | 31.42 | 14.95 | 1.3 | -0.01 | 0.008 |
| D | RYP0815 | 0.14 | 200 | 20 | -10 | 130 | -10 | 20870 | 10 | 920 | 0.002 | -10 | 140 | 40 | 5.3 | 8.217446 | 52.07 | 5.25 | 1.1 | 0.01 | 0.013 |
| D | RYP0815 | 0.21 | 100 | 20 | -10 | 220 | -10 | 33900 | -10 | 1900 | -0.001 | 80 | 260 | 80 | 13.73 | 40.71856 | 29.61 | 14.64 | 2.02 | -0.01 | 0.013 |
| D | RYP0816 | 0.13 | 120 | 20 | 70 | 110 | 50 | 22680 | -10 | 1240 | 0.003 | 20 | 150 | -10 | 7.62 | 10.35782 | 52.27 | 3.85 | 1.26 | 0.02 | 0.008 |
| D | RYP0816 | 0.14 | 40 | 20 | 30 | 170 | 20 | 26430 | -10 | 2040 | -0.001 | -10 | 170 | -10 | 14.2 | 41.0628 | 28.15 | 16.74 | 1.63 | 0.01 | 0.015 |
| D | RYP0817 | 0.16 | 170 | 20 | 50 | 80 | 60 | 18920 | 40 | 790 | 0.003 | 20 | 150 | -10 | 5.04 | 9.269443 | 54.24 | 4.53 | 1.05 | 0.02 | 0.009 |
| D | RYP0817 | 0.18 | 110 | 20 | -10 | 70 | 30 | 22570 | -10 | 650 | 0.003 | -10 | 140 | -10 | 9.38 | 13.9821 | 43.65 | 9.35 | 1.28 | 0.01 | 0.008 |
| D | RYP0819 | 0.13 | 190 | 30 | -10 | 90 | 10 | 16200 | 30 | 700 | 0.004 | 60 | 100 | 60 | 7.52 | 10.09615 | 42.84 | 9.83 | 1.29 | -0.01 | 0.009 |
| D | RYP0911 | 0.2 | 210 | 20 | 80 | 110 | 60 | 24100 | 70 | 480 | 0.003 | 50 | 130 | -10 | 4.94 | 12.45421 | 34.61 | 12.51 | 1.32 | 0.03 | 0.014 |
| D | RYP0912 | 0.15 | 170 | 20 | 50 | 160 | 50 | 23800 | 20 | 700 | 0.003 | 20 | 140 | -10 | 5.6 | 10.78977 | 37.14 | 11.47 | 1.25 | 0.02 | 0.013 |
| D | RYP0913 | 0.16 | 200 | 20 | -10 | 130 | -10 | 17700 | 50 | 970 | 0.002 | 50 | 130 | 60 | 4.57 | 9.281046 | 51.81 | 5.48 | 1.16 | -0.01 | 0.01 |
| D | RYP0914 | 0.14 | 160 | 20 | -10 | 100 | -10 | 15860 | -10 | 980 | -0.001 | -10 | 90 | 20 | 8.63 | 11.39369 | 51.73 | 4.64 | 1.33 | -0.01 | 0.011 |
| D | RYP0915 | 0.14 | 160 | 20 | 70 | 110 | 40 | 21960 | -10 | 1040 | 0.001 | 10 | 170 | -10 | 7.92 | 9.837838 | 49.98 | 5.36 | 1.2 | 0.02 | 0.01 |
| D | RYP0915 | 0.17 | 120 | -10 | -10 | 140 | 20 | 27610 | -10 | 1160 | -0.001 | -10 | 220 | -10 | 11.97 | 26.61157 | 25.21 | 18.88 | 1.22 | -0.01 | 0.006 |
| D | RYP0916 | 0.16 | 160 | 20 | -10 | 130 | -10 | 25340 | -10 | 1090 | -0.001 | -10 | 180 | 80 | 9.66 | 15.77465 | 45.45 | 7.84 | 1.22 | 0.01 | 0.014 |
| D | RYP0917 | 0.19 | 150 | 20 | 80 | 100 | 40 | 31410 | -10 | 1070 | 0.002 | 40 | 180 | -10 | 8.06 | 46.05103 | 26.21 | 18.58 | 1.04 | 0.03 | 0.016 |
| D | RYP0918 | 0.2 | 230 | 20 | -10 | 90 | 10 | 27580 | -10 | 1140 | -0.001 | -10 | 150 | -10 | 7.86 | 17.81946 | 29.38 | 16.24 | 1.05 | -0.01 | 0.014 |
| D | RYP0918 | 0.14 | 70 | 20 | 20 | 50 | 40 | 27040 | -10 | 1040 | 0.002 | -10 | 110 | -10 | 14.7 | 34.573 | 21.85 | 20.67 | 1.17 | 0.01 | 0.013 |
| D | RYP0919 | 0.1 | 100 | 20 | -10 | 230 | -10 | 17400 | -10 | 1760 | 0.002 | 40 | 120 | 30 | 8.7 | 25.39683 | 24.53 | 19.79 | 1.27 | -0.01 | 0.008 |
| D | RYP1010 | 0.18 | 210 | 30 | 50 | 220 | 60 | 22490 | -10 | 1140 | 0.002 | 20 | 130 | -10 | 5.9 | 21.3198 | 25.57 | 18.85 | 1.22 | 0.04 | 0.02 |
| D | RYP1010 | 0.23 | 190 | 30 | 40 | 190 | 40 | 22530 | 10 | 1040 | 0.003 | 20 | 150 | -10 | 8.2 | 36.70034 | 26.09 | 18.45 | 2.14 | 0.01 | 0.009 |
| D | RYP1011 | 0.17 | 310 | 20 | -10 | 140 | -10 | 22610 | -10 | 700 | 0.001 | -10 | 100 | 40 | 2.86 | 5.75693 | 45.93 | 7.03 | 1.31 | 0.02 | 0.014 |
| D | RYP1011 | 0.19 | 210 | 30 | 30 | 190 | 30 | 28590 | -10 | 880 | 0.001 | 10 | 150 | -10 | 8.84 | 19.00393 | 21.84 | 22.28 | 1.26 | 0.02 | 0.005 |
| D | RYP1012 | 0.16 | 220 | 20 | 100 | 60 | 60 | 18280 | 30 | 500 | 0.003 | -10 | 80 | -10 | 2.43 | 6.316916 | 42.17 | 3.86 | 0.91 | 0.14 | 0.022 |
| D | RYP1012 | 0.19 | 180 | -10 | -10 | 220 | -10 | 30580 | -10 | 750 | -0.001 | -10 | 140 | 80 | 7.5 | 15.15152 | 39.77 | 11.63 | 1.42 | -0.01 | 0.009 |
| D | RYP1013 | 0.11 | 70 | 20 | 40 | 90 | 40 | 14980 | 20 | 480 | 0.002 | -10 | 80 | -10 | 12.82 | 30.9633 | 25.81 | 18.28 | 1.84 | 0.01 | 0.007 |
| D | RYP1013 | 0.2 | 60 | -10 | -10 | 250 | -10 | 21450 | -10 | 1260 | -0.001 | -10 | 100 | 70 | 15.48 | 62.16216 | 43.12 | 4.88 | 4.66 | -0.01 | 0.025 |
| D | RYP1014 | 0.12 | 160 | 20 | 90 | 120 | 60 | 17430 | 50 | 1040 | 0.004 | 30 | 120 | -10 | 4.4 | 8.416389 | 56.49 | 2.83 | 0.96 | 0.02 | 0.007 |
| D | RYP1014 | 0.09 | 90 | -10 | -10 | 190 | 20 | 21360 | -10 | 1830 | -0.001 | -10 | 140 | -10 | 12.31 | 11.82147 | 47.43 | 4.7 | 1.38 | 0.01 | 0.009 |
| D | RYP1015 | 0.14 | 240 | 20 | 100 | 70 | 60 | 19530 | 40 | 520 | 0.002 | 20 | 100 | -10 | 2.5 | 4.569892 | 47.3 | 7.46 | 0.84 | 0.04 | 0.009 |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | Ti_>1mm | V_>1mm | As_>1mm | Ba_>1mm | Co_>1mm | Cu_>1mm | Cr_>1mm | Pb_>1mm | Ni_>1mm | Sn_>1mm | Sr_>1mm | Zn_>1mm | Zr_>1mm | LOI1000_>1mm% | Mass-1mm% | Fe_<1mm | Si_<1mm | Al_<1mm | Ca_<1mm | Cl_<1mm |
|-------|----------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|-----------|---------|---------|---------|---------|---------|
| H1001 | | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | % | % | % | % | % | % |
| D | RYPC1015 | 0.21 | 220 | -10 | -10 | 130 | 30 | 25790 | 20 | 740 | -0.001 | -10 | 160 | -10 | 7.36 | 28.19886 | 23.72 | 21.18 | 1.21 | -0.01 | 0.004 |
| D | RYPC1016 | 0.1 | 100 | 20 | 40 | 100 | 40 | 21330 | -10 | 960 | 0.002 | 10 | 120 | -10 | 9.46 | 18.3727 | 39.1 | 9.49 | 1.4 | 0.04 | 0.017 |
| D | RYPC1016 | 0.08 | 40 | 30 | 30 | 190 | 40 | 30720 | -10 | 1290 | 0.002 | 20 | 200 | -10 | 16.92 | 34.32642 | 32.8 | 11.37 | 2.02 | 0.02 | 0.018 |
| D | RYPC1017 | 0.13 | 380 | 20 | -10 | 70 | -10 | 15980 | 30 | 600 | 0.002 | -10 | 70 | 40 | 2.08 | 4.957265 | 34.02 | 6.59 | 0.79 | 0.09 | 0.071 |
| D | RYPC1017 | 0.11 | 220 | 30 | -10 | 30 | -10 | 21180 | -10 | 340 | -0.001 | -10 | 80 | -10 | 10.49 | 15.4961 | 28.62 | 18.8 | 1.06 | -0.01 | 0.008 |
| D | RYPC1018 | 0.13 | 300 | 30 | -10 | 70 | -10 | 18000 | 50 | 520 | 0.003 | 60 | 110 | 60 | 3.25 | 8.402204 | 31.49 | 15.17 | 0.97 | 0.06 | 0.019 |
| D | RYPC1018 | 0.16 | 290 | 40 | 40 | 50 | 50 | 26330 | 40 | 380 | 0.003 | 40 | 130 | -10 | 6.59 | 23.63405 | 20.75 | 22.31 | 0.97 | 0.02 | 0.006 |
| D | RYPC1111 | 0.16 | 200 | 20 | 80 | 100 | 60 | 17630 | 40 | 560 | 0.005 | 20 | 100 | -10 | 3.09 | 10.23392 | 35.17 | 14.69 | 1.19 | 0.02 | 0.008 |
| D | RYPC1111 | 0.18 | 180 | 20 | 60 | 110 | 50 | 23650 | -10 | 510 | 0.002 | 20 | 130 | -10 | 5.94 | 14.87252 | 31.26 | 17 | 1.33 | 0.01 | 0.006 |
| D | RYPC1112 | 0.11 | 220 | -10 | -10 | 130 | 30 | 14130 | 40 | 800 | -0.001 | -10 | 80 | -10 | 1.99 | 3.902439 | 39.4 | 3.92 | 0.96 | 0.09 | 0.024 |
| D | RYPC1112 | 0.13 | 160 | -10 | 60 | 200 | 50 | 17780 | 30 | 880 | 0.004 | 20 | 130 | -10 | 6.66 | 9.846154 | 35.38 | 14.35 | 1.47 | 0.02 | 0.008 |
| D | RYPC1113 | 0.11 | 200 | 20 | 120 | 110 | 60 | 13660 | -10 | 900 | 0.005 | 20 | 100 | -10 | 2.46 | 4.404997 | 52.88 | 5.82 | 0.96 | 0.01 | 0.006 |
| D | RYPC1113 | 0.16 | 150 | 20 | 70 | 130 | 40 | 21790 | -10 | 690 | 0.003 | 30 | 130 | 40 | 7.64 | 15.29582 | 39.16 | 11.68 | 1.67 | 0 | 0.008 |
| D | RYPC1114 | 0.13 | 180 | 20 | 80 | 90 | 60 | 21510 | 40 | 950 | 0.003 | 30 | 140 | -10 | 5.91 | 8.716137 | 52.54 | 4.14 | 1.19 | 0.02 | 0.012 |
| D | RYPC1114 | 0.13 | 130 | 10 | -10 | 100 | 40 | 22830 | -10 | 1210 | 0.002 | -10 | 150 | -10 | 9.6 | 9.617756 | 47.7 | 5.53 | 1.43 | 0.02 | 0.008 |
| D | RYPC1114 | 0.13 | 70 | 20 | 60 | 190 | 40 | 24960 | -10 | 2110 | 0.003 | -10 | 210 | -10 | 13.26 | 42.47392 | 17.46 | 23.75 | 1.34 | 0.01 | 0.005 |
| D | RYPC1115 | 0.11 | 180 | 20 | -10 | 120 | 10 | 22720 | -10 | 790 | -0.001 | -10 | 110 | -10 | 6.81 | 8.041505 | 51.18 | 1.8 | 1.1 | 0.06 | 0.019 |
| D | RYPC1115 | 0.11 | 120 | 20 | 70 | 190 | 30 | 25980 | -10 | 1090 | 0.003 | -10 | 160 | -10 | 11.28 | 19.33241 | 42.37 | 8.74 | 1.38 | 0.02 | 0.009 |
| D | RYPC1115 | 0.36 | 80 | -10 | 30 | 220 | 40 | 41810 | 20 | 1620 | 0.002 | 60 | 330 | -10 | 12.99 | 37.99682 | 40.67 | 7.54 | 1.99 | 0.01 | 0.015 |
| D | RYPC1116 | 0.11 | 170 | -10 | -10 | 100 | 20 | 19720 | 20 | 1220 | -0.001 | -10 | 120 | -10 | 6.84 | 8.690176 | 51.82 | 3.92 | 1.09 | 0.02 | 0.014 |
| D | RYPC1116 | 0.1 | 60 | -10 | -10 | 110 | -10 | 17410 | -10 | 1550 | -0.001 | -10 | 80 | 30 | 12.1 | 27.38944 | 23.06 | 21.69 | 1.18 | -0.01 | 0.012 |
| D | RYPC1117 | 0.11 | 200 | 10 | -10 | 90 | -10 | 15790 | -10 | 710 | 0.002 | -10 | 80 | 30 | 5.04 | 8.627858 | 45.24 | 7.51 | 1.58 | 0.04 | 0.036 |
| D | RYPC1117 | 0.14 | 120 | -10 | -10 | 80 | -10 | 21050 | -10 | 610 | -0.001 | -10 | 100 | -10 | 10.56 | 26.44295 | 22.14 | 23.74 | 1.35 | -0.01 | 0.011 |
| D | RYPC1118 | 0.16 | 340 | 40 | 30 | 90 | 30 | 25120 | -10 | 480 | 0.001 | -10 | 100 | -10 | 8.09 | 33.28612 | 16.07 | 28.8 | 0.94 | 0.02 | 0.011 |
| D | RYPC1118 | 0.25 | 220 | 20 | -10 | 60 | -10 | 23740 | -10 | 380 | -0.001 | -10 | 70 | 80 | 11.56 | 50.63559 | 17.17 | 27.7 | 1.37 | -0.01 | 0.015 |
| D | RYPC1118 | 0.05 | 10 | -10 | -10 | 340 | -10 | 10400 | -10 | 3530 | 0.002 | -10 | 210 | 20 | 13.53 | 42.72997 | 50.88 | 2.35 | 2.74 | -0.01 | 0.024 |
| D | RYPC1203 | 0.15 | 140 | 10 | 90 | 190 | 60 | 26790 | -10 | 860 | 0.004 | 30 | 160 | 30 | 4.61 | 18.17937 | 37.39 | 9.21 | 2.45 | 0.01 | 0.014 |
| D | RYPC1205 | 0.15 | 120 | 20 | 100 | 210 | 40 | 25110 | -10 | 1040 | 0.003 | 20 | 160 | 30 | 9.52 | 17.77778 | 31.29 | 15.76 | 1.29 | 0.01 | 0.014 |
| D | RYPC1205 | 0.13 | 90 | 20 | -10 | 230 | 40 | 24290 | -10 | 1390 | 0.003 | -10 | 150 | 30 | 12.94 | 16.72598 | 33.78 | 14.28 | 1.58 | 0 | 0.01 |
| D | RYPC1206 | 0.15 | 170 | 20 | 60 | 120 | 50 | 27070 | -10 | 620 | 0.004 | 20 | 150 | -10 | 4.5 | 14.42786 | 28.49 | 19.46 | 1.18 | 0.01 | 0.003 |
| D | RYPC1206 | 0.19 | 150 | 20 | 80 | 120 | 50 | 29980 | -10 | 630 | 0.003 | 40 | 170 | 50 | 6.64 | 17.89941 | 25.99 | 19.85 | 1.93 | 0 | 0.004 |
| D | RYPC1207 | 0.11 | 120 | 20 | 90 | 190 | 40 | 24350 | -10 | 880 | 0.002 | 20 | 160 | 20 | 11.35 | 20.81851 | 38.21 | 11.38 | 1.43 | 0.01 | 0.009 |
| D | RYPC1207 | 0.08 | 90 | 10 | 80 | 380 | 40 | 24920 | -10 | 1230 | 0.002 | 30 | 200 | 10 | 12.98 | 27.8083 | 30.39 | 16.37 | 1.46 | 0 | 0.009 |
| D | RYPC1208 | 0.22 | 260 | 20 | 90 | 120 | 40 | 26320 | -10 | 450 | 0.004 | 30 | 130 | 40 | 6.03 | 11.73469 | 25.59 | 15.54 | 1.13 | 0.04 | 0.033 |
| D | RYPC1208 | 0.28 | 180 | 30 | 50 | 140 | 40 | 32920 | -10 | 510 | 0.003 | 40 | 160 | 100 | 10.79 | 17.2232 | 26.9 | 18.68 | 1.29 | 0.01 | 0.01 |
| D | RYPC1209 | 0.18 | 250 | 20 | 80 | 70 | 30 | 23740 | -10 | 420 | 0.003 | 10 | 120 | -10 | 4.35 | 7.305307 | 41.66 | 10.31 | 1.19 | 0.01 | 0.011 |
| D | RYPC1209 | 0.28 | 240 | 20 | 90 | 60 | 50 | 31170 | -10 | 360 | 0.004 | 50 | 150 | 90 | 9.57 | 27.42857 | 20.86 | 23.35 | 1.14 | 0.01 | 0.004 |
| D | RYPC1210 | 0.16 | 250 | 20 | 120 | 90 | 70 | 21300 | -10 | 630 | 0.004 | 30 | 120 | -10 | 3.68 | 7.890744 | 35.59 | 9.71 | 1.03 | 0.03 | 0.05 |
| D | RYPC1210 | 0.16 | 220 | 20 | 90 | 70 | 40 | 19840 | -10 | 640 | 0.003 | 10 | 110 | 10 | 7.95 | 15.87708 | 25.47 | 20.17 | 1.09 | 0.01 | 0.008 |
| D | RYPC1211 | 0.16 | 290 | 20 | 70 | 100 | 60 | 20160 | -10 | 480 | 0.005 | 20 | 120 | -10 | 2.12 | 5.810811 | 38.89 | 5.38 | 1.02 | 0.02 | 0.09 |
| D | RYPC1211 | 0.19 | 180 | 20 | 40 | 110 | 30 | 29890 | -10 | 470 | 0.001 | 20 | 150 | 30 | 8.85 | 20.49689 | 30.27 | 16.05 | 1.46 | 0 | 0.006 |
| D | RYPC1211 | 0.18 | 180 | 30 | 70 | 110 | 40 | 30420 | -10 | 510 | 0.003 | 40 | 140 | 50 | 7.98 | 18.15287 | 29.78 | 16.34 | 1.36 | 0 | 0.007 |
| D | RYPC1303 | 0.17 | 140 | 20 | 60 | 190 | 60 | 30370 | -10 | 1000 | 0.003 | 30 | 170 | 40 | 8.95 | 22.63779 | 31.04 | 12.95 | 1.45 | 0.03 | 0.015 |
| D | RYPC1303 | 0.24 | 130 | 10 | 100 | 120 | 50 | 46940 | 10 | 670 | 0.004 | 70 | 230 | 110 | 10 | 27.8956 | 41.76 | 5.59 | 2.32 | 0 | 0.007 |
| D | RYPC1304 | 0.17 | 180 | 20 | 100 | 120 | 50 | 27270 | -10 | 570 | 0.001 | -10 | 130 | -10 | 3.75 | 9.658653 | 33.63 | 14.34 | 1.16 | 0.01 | 0.01 |
| D | RYPC1304 | 0.17 | 130 | 20 | 80 | 170 | 50 | 27830 | -10 | 710 | 0.004 | 30 | 140 | 30 | 8.04 | 23.51145 | 31.44 | 14.64 | 2.29 | 0 | 0.011 |
| D | RYPC1305 | 0.2 | 200 | 20 | 50 | 110 | 50 | 26710 | -10 | 550 | 0.004 | 30 | 130 | 30 | 6.25 | 14.87482 | 30.96 | 17.44 | 1.13 | 0.01 | 0.008 |
| D | RYPC1305 | 0.22 | 170 | 30 | 70 | 90 | 40 | 29060 | -10 | 420 | 0.003 | 30 | 140 | 60 | 8.34 | 29.28311 | 23.7 | 21.61 | 1.48 | 0 | 0.01 |
| D | RYPC1306 | 0.13 | 160 | 20 | 90 | 200 | 50 | 25130 | -10 | 790 | 0.002 | 30 | 140 | 30 | 6.49 | 13.01587 | 29.31 | 10.79 | 1.08 | 0.06 | 0.043 |
| D | RYPC1306 | 0.14 | 110 | 20 | 30 | 370 | 50 | 31360 | -10 | 1640 | 0.003 | 20 | 190 | 30 | 11.37 | 26.40545 | 28.6 | 16.77 | 1.39 | 0 | 0.005 |
| D | RYPC1307 | 0.15 | 220 | 20 | 80 | 130 | 60 | 24890 | 10 | 600 | 0.004 | 30 | 140 | -10 | 3.39 | 7.658959 | 42.45 | 8.35 | 1.2 | 0.06 | 0.015 |
| D | RYPC1307 | 0.2 | 200 | 20 | 90 | 170 | 40 | 26050 | -10 | 690 | 0.003 | 20 | 150 | 40 | 7.87 | 19.7031 | 25 | 20.21 | 1.17 | 0.01 | 0.002 |
| D | RYPC1307 | 0.1 | 100 | -10 | 70 | 470 | 50 | 42710 | 10 | 1910 | 0.003 | 60 | 290 | 30 | 10.03 | 35.96654 | 52.51 | 1.71 | 2.25 | 0 | 0.009 |
| D | RYPC1308 | 0.15 | 80 | 20 | 50 | 240 | 30 | 35970 | -10 | 880 | 0.003 | 30 | 230 | 40 | 12.87 | 24.88408 | 29.23 | 15.94 | 1.38 | 0 | 0.007 |
| D | RYPC1308 | 0.13 | 50 | 10 | 70 | 380 | 40 | 28170 | -10 | 1360 | 0.004 | 30 | 260 | 40 | 14.01 | 35.67921 | 43.69 | 5.81 | 2.29 | 0 | 0.018 |
| D | RYPC1309 | 0.11 | 80 | -10 | 100 | 550 | 50 | 32990 | -10 | 2130 | 0.002 | 50 | 380 | 20 | 9.32 | 32.33909 | 51.36 | 2.14 | 1.84 | 0.04 | 0.013 |
| D | RYPC1402 | 0.19 | 150 | 20 | 70 | 130 | 40 | 28410 | -10 | 710 | 0.004 | -10 | 130 | 20 | 7.01 | 23.73372 | 24.69 | 19.42 | 1.28 | 0.01 | 0.009 |
| D | RYPC1402 | 0.22 | 110 | 10 | 100 | 250 | 50 | 26260 | -10 | 2160 | 0.004 | 40 | 170 | 70 | 10.85 | 38.19242 | 48.52 | 3.39 | 2.94 | 0 | 0.016 |
| D | RYPC1403 | 0.14 | 100 | 10 | 60 | 410 | 50 | 36340 | -10 | 1780 | 0.003 | 50 | 250 | 40 | 8.79 | 51.01695 | 51.92 | 2.3 | 2.51 | 0 | 0.007 |
| D | RYPC1404 | 0.1 | 80 | -10 | 60 | 380 | 50 | 37860 | -10 | 1590 | 0.003 | 50 | 290 | 20 | 8.12 | 37.75744 | 49.08 | 2.31 | 1.69 | 0.03 | 0.014 |
| EOF | | | | | | | | | | | | | | | | | | | | | |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | K_<1mm | Mg_<1mm | Mn_<1mm | Na_<1mm | P_<1mm | S_<1mm | Ti_<1mm | V_<1mm | As_<1mm | Ba_<1mm | Co_<1mm | Cu_<1mm | Cr_<1mm | Pb_<1mm | Ni_<1mm | Sn_<1mm | Sr_<1mm | Zn_<1mm | Zr_<1mm | LOI1000_<1mm% |
|-------|-----------|--------|---------|---------|---------|--------|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|
| H1001 | | % | % | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % |
| D | RYP A0403 | 0.056 | 0.41 | 0.14 | -999 | 0.025 | 0.063 | 0.24 | 150 | -10 | -10 | 420 | 20 | 69220 | -10 | 2120 | -0.001 | -10 | 440 | -10 | 13.99 |
| D | RYP A0404 | 0.066 | 0.27 | 0.05 | -999 | 0.044 | 0.094 | 0.36 | 250 | 30 | -10 | 130 | -10 | 42100 | -10 | 290 | 0.001 | 60 | 190 | 110 | 14.72 |
| D | RYP A0404 | 0.074 | 0.37 | 0.06 | -999 | 0.06 | 0.075 | 0.38 | 350 | 40 | -10 | 180 | -10 | 55400 | -10 | 450 | 0.002 | 100 | 260 | 110 | 10.98 |
| D | RYP A0501 | 0.022 | 0.51 | 0.09 | -999 | 0.027 | 0.058 | 0.5 | 230 | 20 | -10 | 280 | 10 | 77000 | 30 | 590 | -0.001 | 150 | 420 | 190 | 10.25 |
| D | RYP A0501 | 0.023 | 0.66 | 0.09 | -999 | 0.015 | 0.066 | 0.7 | 220 | 10 | -10 | 340 | 30 | 94700 | 40 | 630 | 0.001 | 200 | 550 | 260 | 5.27 |
| D | RYP A0502 | 0.017 | 0.42 | 0.09 | -999 | 0.025 | 0.043 | 0.6 | 260 | 20 | -10 | 270 | 10 | 72100 | 30 | 550 | 0.002 | 150 | 410 | 210 | 7.88 |
| D | RYP A0503 | 0.017 | 0.26 | 0.09 | -999 | 0.036 | 0.072 | 0.61 | 200 | 20 | -10 | 210 | -10 | 45900 | -10 | 590 | -0.001 | 110 | 260 | 170 | 6.41 |
| D | RYP A0503 | 0.035 | 0.61 | 0.17 | -999 | 0.014 | 0.032 | 0.88 | 240 | -10 | -10 | 590 | 30 | 107000 | 30 | 1220 | 0.002 | 210 | 740 | 320 | 6.29 |
| D | RYP A0504 | 0.025 | 0.13 | 0.07 | -999 | 0.045 | 0.049 | 0.33 | 290 | 30 | 40 | 150 | 20 | 26930 | -10 | 690 | 0.002 | 20 | 150 | 100 | 17.59 |
| D | RYP A0504 | 0.012 | 0.17 | 0.074 | -999 | 0.035 | 0.089 | 0.67 | 210 | 30 | 60 | 160 | 30 | 35320 | -10 | 540 | 0.002 | 50 | 200 | 260 | 7.52 |
| D | RYP A0504 | 0.037 | 0.36 | 0.079 | -999 | 0.015 | 0.051 | 1.16 | 200 | -10 | 40 | 240 | 20 | 62400 | 20 | 410 | 0.002 | 120 | 360 | 550 | 7.16 |
| D | RYP A0505 | 0.037 | 0.34 | 0.07 | -999 | 0.039 | 0.066 | 0.36 | 300 | 30 | -10 | 170 | -10 | 47300 | -10 | 680 | 0.002 | 90 | 220 | 110 | 15.02 |
| D | RYP A0506 | 0.051 | 0.46 | 0.11 | -999 | 0.027 | 0.056 | 0.42 | 180 | 10 | -10 | 330 | -10 | 62800 | -10 | 1200 | 0.001 | 110 | 370 | 100 | 13.69 |
| D | RYP A0507 | 0.041 | 0.45 | 0.07 | -999 | 0.021 | 0.064 | 0.44 | 200 | 20 | -10 | 230 | -10 | 64100 | -10 | 1170 | 0.002 | 130 | 340 | 150 | 11.02 |
| D | RYP A0510 | 0.022 | 0.55 | 0.05 | -999 | 0.014 | 0.033 | 0.77 | 200 | -10 | -10 | 150 | 10 | 71800 | 20 | 430 | 0.001 | 180 | 290 | 300 | 5.5 |
| D | RYP A0511 | 0.062 | 0.57 | 0.1 | -999 | 0.022 | 0.032 | 0.49 | 150 | -10 | -10 | 300 | 30 | 54460 | 20 | 2560 | -0.001 | 60 | 260 | 30 | 12 |
| D | RYP A0601 | 0.039 | 0.74 | 0.96 | -999 | 0.034 | 0.048 | 0.28 | 100 | 10 | 80 | 1720 | 40 | 38120 | 10 | 3420 | 0.003 | 40 | 440 | -10 | 11.45 |
| D | RYP A0602 | 0.023 | 0.1 | 0.24 | -999 | 0.02 | 0.087 | 0.58 | 130 | 10 | -10 | 580 | -10 | 43200 | -10 | 1560 | 0.001 | 80 | 530 | 160 | 12.25 |
| D | RYP A0603 | 0.098 | 0.31 | 0.07 | -999 | 0.02 | 0.05 | 0.9 | 180 | 10 | -10 | 240 | -10 | 53700 | -10 | 1030 | 0.002 | 150 | 350 | 240 | 11.65 |
| D | RYP A0604 | 0.016 | 0.6 | 0.09 | -999 | 0.022 | 0.043 | 0.65 | 250 | 20 | -10 | 190 | 20 | 83630 | -10 | 840 | -0.001 | -10 | 420 | 280 | 5.51 |
| D | RYP A0604 | 0.02 | 0.68 | 0.08 | -999 | 0.009 | 0.041 | 0.77 | 160 | 20 | -10 | 230 | 20 | 92750 | -10 | 1220 | -0.001 | -10 | 510 | 370 | 6.85 |
| D | RYP A0605 | 0.022 | 0.42 | 0.1 | -999 | 0.037 | 0.049 | 0.51 | 270 | 20 | 30 | 210 | 50 | 69040 | 50 | 740 | 0.003 | 120 | 360 | 90 | 6.95 |
| D | RYP A0606 | 0.016 | 0.37 | 0.07 | -999 | 0.042 | 0.052 | 0.33 | 250 | 20 | 40 | 150 | 50 | 58410 | 40 | 820 | 0.002 | 80 | 250 | -10 | 7.5 |
| D | RYP A0607 | 0.018 | 0.39 | 0.08 | -999 | 0.038 | 0.045 | 0.44 | 260 | 20 | -10 | 180 | 20 | 57400 | 30 | 640 | 0.002 | 140 | 260 | 160 | 7.29 |
| D | RYP A0608 | 0.014 | 0.71 | 0.09 | -999 | 0.031 | 0.038 | 0.61 | 260 | -10 | -10 | 200 | 40 | 92780 | 60 | 620 | 0.002 | 140 | 360 | 120 | 4.72 |
| D | RYP A0608 | 0.03 | 0.72 | 0.07 | -999 | 0.013 | 0.033 | 0.85 | 210 | 10 | -10 | 160 | 20 | 89940 | -10 | 340 | -0.001 | -10 | 400 | 340 | 3.43 |
| D | RYP A0608 | 0.054 | 0.38 | 0.09 | -999 | 0.017 | 0.126 | 0.37 | 100 | 20 | -10 | 310 | 20 | 30180 | -10 | 4520 | -0.001 | -10 | 160 | 30 | 11.4 |
| D | RYP A0609 | 0.019 | 0.37 | 0.1 | -999 | 0.039 | 0.066 | 0.34 | 160 | 20 | -10 | 210 | 10 | 55290 | -10 | 900 | -0.001 | -10 | 290 | 60 | 12.16 |
| D | RYP A0609 | 0.035 | 0.47 | 0.1 | -999 | 0.022 | 0.1 | 0.54 | 150 | 30 | -10 | 240 | 20 | 69830 | -10 | 1080 | -0.001 | -10 | 390 | 150 | 9.51 |
| D | RYP A0609 | 0.038 | 0.49 | 0.09 | -999 | 0.016 | 0.069 | 0.79 | 160 | 20 | -10 | 270 | 30 | 72560 | -10 | 780 | -0.001 | -10 | 490 | 270 | 6.62 |
| D | RYP A0609 | 0.032 | 0.31 | 0.09 | -999 | 0.018 | 0.213 | 0.48 | 150 | -10 | -10 | 230 | 20 | 57410 | -10 | 1290 | -0.001 | -10 | 320 | 100 | 11.51 |
| D | RYP A0610 | 0.02 | 0.46 | 0.07 | -999 | 0.027 | 0.065 | 0.4 | 160 | 40 | -10 | 170 | -10 | 59960 | -10 | 760 | -0.001 | -10 | 250 | 90 | 11.2 |
| D | RYP A0610 | 0.026 | 0.63 | 0.09 | -999 | 0.006 | 0.028 | 0.79 | 150 | -10 | -10 | 240 | 20 | 83610 | 10 | 650 | -0.001 | 20 | 480 | 340 | 4.24 |
| D | RYP A0610 | 0.071 | 0.3 | 0.08 | -999 | 0.019 | 0.114 | 0.61 | 130 | 20 | -10 | 220 | 10 | 49140 | -10 | 1180 | -0.001 | -10 | 300 | 150 | 10.81 |
| D | RYP A0611 | 0.051 | 1.28 | 0.35 | -999 | 0.019 | 0.03 | 0.5 | 110 | -10 | -10 | 790 | 20 | 66930 | -10 | 4550 | -0.001 | -10 | 340 | 130 | 9.06 |
| D | RYP A0701 | 0.022 | 0.25 | 0.14 | -999 | 0.036 | 0.044 | 0.45 | 210 | 20 | -10 | 310 | 10 | 46000 | 20 | 800 | 0.002 | 110 | 310 | 150 | 7.43 |
| D | RYP A0702 | 0.017 | 0.23 | 0.17 | -999 | 0.031 | 0.072 | 0.41 | 140 | 60 | -10 | 260 | -10 | 48260 | -10 | 1010 | -0.001 | -10 | 310 | 110 | 10.05 |
| D | RYP A0703 | 0.012 | 0.19 | 0.16 | -999 | 0.033 | 0.073 | 0.43 | 170 | 80 | -10 | 190 | -10 | 38160 | -10 | 780 | -0.001 | -10 | 240 | 130 | 8.47 |
| D | RYP A0704 | 0.017 | 0.31 | 0.25 | -999 | 0.027 | 0.041 | 0.42 | 130 | 10 | -10 | 680 | 20 | 63000 | 30 | 1520 | 0.002 | 140 | 640 | 150 | 7.93 |
| D | RYP A0706 | 0.032 | 0.19 | 0.2 | -999 | 0.039 | 0.059 | 0.4 | 140 | 60 | -10 | 240 | -10 | 44610 | -10 | 850 | -0.001 | -10 | 330 | 110 | 7.24 |
| D | RYP A0707 | 0.034 | 0.33 | 0.12 | -999 | 0.026 | 0.072 | 0.53 | 120 | 70 | -10 | 290 | -10 | 52740 | -10 | 1360 | -0.001 | -10 | 440 | 170 | 8.35 |
| D | RYP A0708 | 0.02 | 0.57 | 0.58 | -999 | 0.018 | 0.079 | 0.44 | 160 | 50 | -10 | 690 | -10 | 74250 | -10 | 3040 | -0.001 | -10 | 440 | 160 | 8.47 |
| D | RYP A0710 | 0.032 | 0.49 | 0.74 | -999 | 0.025 | 0.044 | 0.25 | 110 | -10 | 10 | 1270 | 10 | 49000 | 20 | 6380 | 0.003 | 110 | 330 | 90 | 6.68 |
| D | RYP A0801 | 0.035 | 0.48 | 0.12 | -999 | 0.019 | 0.052 | 0.92 | 210 | 50 | -10 | 330 | 10 | 64820 | -10 | 570 | 0.001 | 20 | 500 | 380 | 6.05 |
| D | RYP A0802 | 0.02 | 0.19 | 0.23 | -999 | 0.029 | 0.084 | 0.4 | 170 | 40 | -10 | 250 | -10 | 45130 | -10 | 1080 | -0.001 | -10 | 370 | 120 | 9.84 |
| D | RYP A0803 | 0.041 | 0.14 | 0.15 | -999 | 0.039 | 0.072 | 0.46 | 130 | 40 | 10 | 340 | -10 | 33790 | -10 | 880 | 0.001 | -10 | 300 | 120 | 10.38 |
| D | RYP A0804 | 0.004 | 0.05 | 0.427 | -999 | 0.019 | 0.072 | 0.15 | 70 | 10 | 50 | 610 | 30 | 32780 | -10 | 2610 | 0.003 | 20 | 620 | 40 | 12.7 |
| D | RYP A0804 | 0.004 | 0.05 | 0.338 | -999 | 0.022 | 0.105 | 0.19 | 100 | 10 | 60 | 320 | 50 | 44060 | -10 | 1430 | 0.003 | 50 | 430 | 60 | 12.58 |
| D | RYP A0805 | 0.017 | 0.14 | 0.39 | -999 | 0.021 | 0.081 | 0.26 | 100 | 30 | -10 | 420 | -10 | 37880 | -10 | 1820 | -0.001 | -10 | 510 | 70 | 12.61 |
| D | RYP A0806 | 0.032 | 0.27 | 0.13 | -999 | 0.02 | 0.069 | 0.47 | 130 | 30 | -10 | 350 | 10 | 52040 | -10 | 1630 | 0.001 | -10 | 550 | 170 | 10.11 |
| D | RYP A0807 | 0.026 | 0.3 | 0.29 | -999 | 0.029 | 0.052 | 0.22 | 100 | 10 | -10 | 510 | 20 | 42700 | 30 | 2730 | 0.002 | 110 | 430 | 80 | 9.52 |
| D | RYP A0901 | 0.026 | 0.42 | 0.11 | -999 | 0.024 | 0.033 | 0.77 | 270 | 20 | -10 | 290 | 10 | 64500 | -10 | 440 | 0.001 | 150 | 450 | 240 | 5.65 |
| D | RYP A0902 | 0.005 | 0.14 | 0.33 | -999 | 0.02 | 0.068 | 0.22 | 110 | 30 | 20 | 410 | 20 | 26530 | -10 | 1930 | 0.001 | -10 | 380 | 60 | 8.69 |
| D | RYP A0903 | 0.008 | 0.19 | 0.08 | -999 | 0.034 | 0.06 | 0.34 | 260 | 50 | 10 | 110 | 10 | 36610 | -10 | 630 | 0.001 | -10 | 250 | 70 | 6.37 |
| D | RYP A0904 | 0.011 | 0.24 | 0.07 | -999 | 0.038 | 0.059 | 0.36 | 220 | 30 | -10 | 150 | -10 | 45200 | -10 | 720 | 0.002 | 100 | 270 | 100 | 7.36 |
| D | RYP A0907 | 0.022 | 0.47 | 0.11 | -999 | 0.023 | 0.06 | 0.58 | 130 | 40 | -10 | 210 | -10 | 61030 | -10 | 740 | -0.001 | -10 | 340 | 200 | 8.08 |
| D | RYP A0908 | 0.035 | 0.39 | 0.22 | -999 | 0.025 | 0.099 | 0.43 | 130 | 40 | 20 | 490 | -10 | 48710 | -10 | 1950 | -0.001 | -10 | 360 | 130 | 8.54 |
| D | RYP A0909 | 0.042 | 0.45 | 0.12 | -999 | 0.033 | 0.094 | 0.53 | 170 | 50 | -10 | 220 | -10 | 60200 | -10 | 980 | 0.001 | -10 | 340 | 170 | 6.92 |
| D | RYP A1001 | 0.012 | 0.27 | 0.12 | -999 | 0.036 | 0.062 | 0.34 | 200 | 20 | 40 | 180 | 50 | 45440 | 50 | 670 | 0.004 | 70 | 230 | -10 | 5.44 |
| D | RYP A1001 | 0.021 | 0.45 | 0.1 | -999 | 0.019 | 0.06 | 0.73 | 180 | 20 | -10 | 190 | 40 | 64380 | 40 | 410 | -0.001 | 80 | 350 | 160 | 6.74 |
| D | RYP A1001 | 0.066 | 0.12 | 0.09 | -999 | 0.021 | 0.226 | 0.47 | 150 | 20 | -10 | 180 | -10 | 32200 | 30 | 750 | 0.002 | 100 | 220 | 110 | 11 |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | K_<1mm | Mg_<1mm | Mn_<1mm | Na_<1mm | P_<1mm | S_<1mm | Ti_<1mm | V_<1mm | As_<1mm | Ba_<1mm | Co_<1mm | Cu_<1mm | Cr_<1mm | Pb_<1mm | Ni_<1mm | Sn_<1mm | Sr_<1mm | Zn_<1mm | Zr_<1mm | LOI1000_<1mm% |
|-------|----------|--------|---------|---------|---------|--------|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|
| H1001 | | % | % | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % |
| D | RYPA1002 | 0.015 | 0.19 | 0.28 | -999 | 0.02 | 0.087 | 0.31 | 110 | 40 | -10 | 620 | -10 | 42110 | -10 | 1980 | 0.001 | -10 | 530 | 70 | 10.41 |
| D | RYPA1003 | 0.012 | 0.24 | 0.09 | -999 | 0.031 | 0.063 | 0.4 | 200 | 60 | -10 | 100 | -10 | 47240 | -10 | 540 | 0.001 | -10 | 270 | 120 | 6.56 |
| D | RYPA1004 | 0.025 | 0.17 | 0.09 | -999 | 0.043 | 0.054 | 0.25 | 200 | 30 | -10 | 110 | -10 | 34200 | -10 | 680 | 0.002 | 70 | 210 | 60 | 11.04 |
| D | RYPA1005 | 0.018 | 0.25 | 0.1 | -999 | 0.043 | 0.044 | 0.23 | 160 | 20 | -10 | 150 | -10 | 39900 | -10 | 690 | 0.001 | 90 | 210 | 60 | 6.4 |
| D | RYPA1007 | 0.028 | 0.5 | 0.15 | -999 | 0.019 | 0.116 | 0.51 | 120 | 50 | -10 | 300 | -10 | 55900 | -10 | 1220 | -0.001 | -10 | 310 | 180 | 6.81 |
| D | RYPA1008 | 0.048 | 0.44 | 0.3 | -999 | 0.024 | 0.028 | 0.32 | 80 | 50 | -10 | 520 | -10 | 42990 | -10 | 1840 | -0.001 | -10 | 300 | 60 | 9 |
| D | RYPA1008 | 0.048 | 0.44 | 0.3 | -999 | 0.024 | 0.028 | 0.32 | 80 | 50 | -10 | 520 | -10 | 42990 | -10 | 1840 | -0.001 | -10 | 300 | 60 | 9 |
| D | RYPA1008 | 0.048 | 0.44 | 0.3 | -999 | 0.024 | 0.028 | 0.32 | 80 | 50 | -10 | 520 | -10 | 42990 | -10 | 1840 | -0.001 | -10 | 300 | 60 | 9 |
| D | RYPA1008 | 0.048 | 0.44 | 0.3 | -999 | 0.024 | 0.028 | 0.32 | 80 | 50 | -10 | 520 | -10 | 42990 | -10 | 1840 | -0.001 | -10 | 300 | 60 | 9 |
| D | RYPA1101 | 0.014 | 0.19 | 0.2 | -999 | 0.023 | 0.087 | 0.42 | 110 | 40 | 20 | 340 | 10 | 41210 | -10 | 1130 | 0.001 | -10 | 380 | 130 | 7.37 |
| D | RYPA1102 | 0.015 | 0.24 | 0.26 | -999 | 0.022 | 0.136 | 0.14 | 70 | 20 | -10 | 490 | -10 | 39450 | -10 | 2450 | 0.001 | -10 | 400 | -10 | 12.42 |
| D | RYPA1102 | 0.015 | 0.24 | 0.26 | -999 | 0.022 | 0.136 | 0.14 | 70 | 20 | -10 | 490 | -10 | 39450 | -10 | 2450 | 0.001 | -10 | 400 | -10 | 12.42 |
| D | RYPA1103 | 0.021 | 0.21 | 0.53 | -999 | 0.025 | 0.078 | 0.09 | 70 | 30 | 30 | 1080 | -10 | 37990 | -10 | 2110 | -0.001 | -10 | 470 | -10 | 11.16 |
| D | RYPA1104 | 0.022 | 0.3 | 0.36 | -999 | 0.019 | 0.137 | 0.13 | 70 | -10 | 10 | 850 | 20 | 36200 | 20 | 3040 | 0.001 | 90 | 400 | 50 | 11.09 |
| D | RYPA1106 | 0.026 | 0.47 | 0.24 | -999 | 0.027 | 0.064 | 0.35 | 130 | 10 | -10 | 460 | 10 | 58700 | 50 | 1610 | 0.001 | 150 | 380 | 110 | 5.91 |
| D | RYPB0711 | 0.036 | 0.59 | 0.343 | -999 | 0.028 | 0.052 | 0.22 | 120 | 10 | 40 | 850 | 30 | 66420 | -10 | 4510 | 0.003 | 80 | 510 | 80 | 11.66 |
| D | RYPB0808 | 0.031 | 0.31 | 0.17 | -999 | 0.026 | 0.085 | 0.41 | 120 | 10 | -10 | 400 | -10 | 44000 | -10 | 2300 | -0.001 | 100 | 380 | 110 | 9.18 |
| D | RYPB1009 | 0.109 | 0.7 | 0.271 | -999 | 0.025 | 0.047 | 0.2 | 60 | 10 | 70 | 900 | -10 | 19840 | -10 | 9070 | 0.002 | -10 | 350 | 70 | 19.89 |
| D | RYPB1108 | 0.05 | 0.55 | 0.232 | -999 | 0.024 | 0.025 | 0.23 | 120 | 10 | 70 | 690 | 40 | 55010 | -10 | 4200 | 0.003 | 70 | 320 | 80 | 10.53 |
| D | RYPB1109 | 0.054 | 1.22 | 0.664 | -999 | 0.019 | 0.027 | 0.15 | 130 | -10 | 80 | 1510 | 40 | 71560 | 20 | 4790 | 0.003 | 110 | 440 | 70 | 10.75 |
| D | RYPB1201 | 0.051 | 0.55 | 0.49 | -999 | 0.029 | 0.105 | 0.34 | 110 | -10 | 20 | 520 | 30 | 56300 | -10 | 1790 | -0.001 | 60 | 260 | 60 | 8.68 |
| D | RYPB1202 | 0.072 | 0.97 | 1.31 | -999 | 0.027 | 0.029 | 0.14 | 100 | -10 | 150 | 1720 | 40 | 58340 | -10 | 8490 | 0.003 | 90 | 420 | 50 | 10.81 |
| D | RYPB1301 | 0.06 | 0.48 | 0.74 | -999 | 0.039 | 0.117 | 0.31 | 110 | 10 | -10 | 930 | 20 | 48570 | -10 | 2410 | -0.001 | -10 | 290 | 30 | 7.42 |
| D | RYPB1302 | 0.026 | 0.31 | 0.81 | -999 | 0.036 | 0.113 | 0.12 | 60 | -10 | 50 | 1360 | 40 | 35910 | -10 | 4170 | 0.002 | -10 | 330 | -10 | 9.6 |
| D | RYPB1401 | 0.028 | 0.54 | 0.87 | -999 | 0.02 | 0.114 | 0.08 | 100 | -10 | 10 | 1880 | 20 | 58700 | 20 | 4690 | 0.002 | 120 | 470 | 40 | 8.4 |
| D | RYPB1401 | 0.025 | 0.35 | 0.48 | -999 | 0.024 | 0.132 | 0.19 | 120 | 10 | 10 | 800 | 30 | 54800 | 40 | 3110 | 0.002 | 130 | 470 | 70 | 8.28 |
| D | RYPC0307 | 0.09 | 0.33 | 0.03 | -999 | 0.054 | 0.035 | 0.63 | 240 | -10 | -10 | 120 | -10 | 42280 | -10 | 70 | -0.001 | -10 | 200 | 240 | 16.7 |
| D | RYPC0307 | 0.037 | 0.28 | 0.08 | -999 | 0.036 | 0.099 | 0.38 | 240 | 20 | -10 | 220 | 20 | 47300 | 20 | 750 | 0.002 | 110 | 300 | 140 | 9.42 |
| D | RYPC0307 | 0.126 | 0.16 | 0.15 | -999 | 0.031 | 0.142 | 0.31 | 110 | 10 | -10 | 490 | -10 | 33400 | -10 | 2210 | 0.002 | 60 | 400 | 90 | 11.97 |
| D | RYPC0308 | 0.051 | 0.83 | 0.07 | -999 | 0.021 | 0.02 | 0.7 | 170 | -10 | -10 | 260 | 20 | 91630 | -10 | 70 | -0.001 | -10 | 390 | 360 | 8.95 |
| D | RYPC0308 | 0.139 | 0.19 | 0.15 | -999 | 0.024 | 0.206 | 0.37 | 120 | -10 | 40 | 460 | 50 | 37520 | 40 | 2350 | -0.001 | 60 | 450 | -10 | 11.35 |
| D | RYPC0309 | 0.032 | 0.74 | 0.09 | -999 | 0.014 | 0.048 | 0.56 | 200 | -10 | -10 | 230 | 20 | 90480 | 50 | 240 | -0.001 | 110 | 460 | 150 | 7.29 |
| D | RYPC0309 | 0.037 | 0.43 | 0.1 | -999 | 0.029 | 0.116 | 0.22 | 130 | -10 | -10 | 290 | -10 | 58490 | -10 | 1430 | -0.001 | -10 | 270 | 100 | 10.7 |
| D | RYPC0309 | 0.066 | 0.41 | 0.15 | -999 | 0.025 | 0.179 | 0.28 | 130 | 20 | -10 | 380 | 10 | 64290 | -10 | 2100 | -0.001 | -10 | 420 | 40 | 9.72 |
| D | RYPC0310 | 0.027 | 0.71 | 0.05 | -999 | 0.015 | 0.025 | 0.44 | 210 | -10 | -10 | 200 | 10 | 82210 | 10 | 200 | -0.001 | -10 | 280 | 290 | 8.8 |
| D | RYPC0310 | 0.026 | 0.32 | 0.09 | -999 | 0.021 | 0.129 | 0.28 | 200 | 40 | -10 | 210 | 20 | 45340 | -10 | 950 | -0.001 | -10 | 270 | 70 | 9.25 |
| D | RYPC0311 | 0.132 | 0.3 | 0.12 | -999 | 0.025 | 0.19 | 0.45 | 160 | -10 | 40 | 410 | 50 | 52380 | 50 | 1650 | 0.003 | 80 | 480 | 50 | 10.06 |
| D | RYPC0312 | 0.037 | 0.59 | 0.06 | -999 | 0.004 | 0.025 | 0.47 | 150 | -10 | -10 | 140 | 20 | 66700 | 20 | 120 | -0.001 | 30 | 310 | 270 | 3.02 |
| D | RYPC0312 | 0.042 | 0.45 | 0.06 | -999 | 0.01 | 0.069 | 0.4 | 150 | 20 | -10 | 160 | 10 | 55640 | -10 | 350 | -0.001 | -10 | 260 | 170 | 5.6 |
| D | RYPC0405 | 0.027 | 0.69 | 0.11 | -999 | 0.014 | 0.039 | 0.58 | 210 | -10 | -10 | 300 | 20 | 92000 | -10 | 290 | -0.001 | 120 | 480 | 270 | 11.19 |
| D | RYPC0405 | 0.191 | 0.37 | 0.13 | -999 | 0.026 | 0.057 | 0.43 | 190 | -10 | 70 | 350 | 40 | 64480 | 30 | 1150 | -0.001 | 80 | 460 | -10 | 13.41 |
| D | RYPC0406 | 0.024 | 0.62 | 0.1 | -999 | 0.02 | 0.047 | 0.32 | 220 | 10 | -10 | 230 | 20 | 79610 | -10 | 580 | 0.001 | 90 | 320 | 130 | 14.06 |
| D | RYPC0406 | 0.042 | 0.38 | 0.11 | -999 | 0.024 | 0.107 | 0.38 | 130 | 10 | -10 | 390 | 10 | 54390 | -10 | 1090 | -0.001 | -10 | 350 | 100 | 10.39 |
| D | RYPC0407 | 0.031 | 0.6 | 0.08 | -999 | 0.018 | 0.058 | 0.48 | 210 | 10 | -10 | 180 | 10 | 74920 | -10 | 310 | -0.001 | 50 | 330 | 40 | 13.28 |
| D | RYPC0407 | 0.07 | 0.22 | 0.18 | -999 | 0.028 | 0.246 | 0.21 | 110 | -10 | -10 | 560 | -10 | 38060 | -10 | 2930 | 0.001 | -10 | 330 | 90 | 10.83 |
| D | RYPC0408 | 0.021 | 0.6 | 0.09 | -999 | 0.011 | 0.049 | 0.47 | 180 | -10 | -10 | 260 | -10 | 79500 | -10 | 620 | -0.001 | 80 | 410 | 210 | 7.35 |
| D | RYPC0408 | 0.026 | 0.34 | 0.1 | -999 | 0.024 | 0.103 | 0.35 | 170 | 20 | -10 | 290 | 10 | 54500 | -10 | 940 | 0.001 | 120 | 350 | 120 | 8.72 |
| D | RYPC0408 | 0.062 | 0.31 | 0.23 | -999 | 0.02 | 0.174 | 0.2 | 130 | -10 | 20 | 760 | 10 | 54400 | 30 | 2790 | 0.002 | 120 | 520 | 80 | 10.12 |
| D | RYPC0410 | 0.019 | 0.9 | 0.09 | -999 | 0.006 | 0.033 | 0.49 | 240 | -10 | -10 | 220 | 40 | 105700 | -10 | 150 | 0.002 | 140 | 440 | 300 | 3.7 |
| D | RYPC0410 | 0.043 | 0.57 | 0.09 | -999 | 0.02 | 0.098 | 0.41 | 220 | 20 | -10 | 210 | 40 | 74030 | 40 | 490 | 0.002 | 100 | 360 | 50 | 8.28 |
| D | RYPC0513 | 0.036 | 0.34 | 0.08 | -999 | 0.01 | 0.024 | 0.46 | 150 | -10 | -10 | 190 | -10 | 45300 | -10 | 240 | 0.002 | 120 | 260 | 290 | 7.38 |
| D | RYPC0513 | 0.113 | 0.32 | 0.06 | -999 | 0.005 | 0.02 | 0.49 | 110 | -10 | -10 | 140 | 20 | 38660 | 30 | 180 | -0.001 | 40 | 210 | 340 | 2.94 |
| D | RYPC0514 | 0.02 | 0.59 | 0.15 | -999 | 0.019 | 0.04 | 0.43 | 200 | -10 | -10 | 390 | 40 | 84380 | 50 | 600 | 0.003 | 120 | 460 | 70 | 11.03 |
| D | RYPC0514 | 0.025 | 0.61 | 0.2 | -999 | 0.01 | 0.046 | 0.46 | 170 | -10 | -10 | 460 | 20 | 85800 | -10 | 600 | -0.001 | 110 | 520 | 190 | 6.16 |
| D | RYPC0514 | 0.061 | 0.57 | 0.26 | -999 | 0.014 | 0.053 | 0.4 | 170 | -10 | 20 | 570 | 50 | 82750 | 60 | 860 | 0.002 | 130 | 590 | 30 | 9.13 |
| D | RYPC0515 | 0.022 | 0.95 | 0.15 | -999 | 0.009 | 0.026 | 0.71 | 230 | -10 | -10 | 530 | 60 | 126700 | 50 | 460 | -0.001 | 170 | 670 | 160 | 3.94 |
| D | RYPC0516 | 0.024 | 0.45 | 0.05 | -999 | 0.011 | 0.042 | 0.53 | 160 | -10 | -10 | 210 | -10 | 56820 | 10 | 250 | -0.001 | -10 | 240 | 320 | 4.59 |
| D | RYPC0612 | 0.017 | 0.69 | 0.06 | -999 | 0.012 | 0.046 | 0.68 | 210 | -10 | -10 | 260 | 20 | 88270 | 20 | 240 | 0.001 | -10 | 330 | 340 | 5.08 |
| D | RYPC0613 | 0.029 | 0.67 | 0.1 | -999 | 0.013 | 0.034 | 0.51 | 200 | -10 | -10 | 280 | 10 | 87950 | 10 | 390 | 0.002 | 90 | 420 | 60 | 11.55 |
| D | RYPC0613 | 0.032 | 0.63 | 0.09 | -999 | 0.01 | 0.03 | 0.61 | 220 | -10 | -10 | 250 | 30 | 82220 | 60 | 300 | -0.001 | 110 | 400 | 120 | 4.62 |
| D | RYPC0613 | 0.07 | 0.09 | 0.07 | -999 | 0.012 | 0.228 | 0.23 | 80 | 20 | 40 | 210 | 20 | 24370 | -10 | 1420 | 0.002 | -10 | 130 | 10 | 14.86 |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | K_<1mm | Mg_<1mm | Mn_<1mm | Na_<1mm | P_<1mm | S_<1mm | Ti_<1mm | V_<1mm | As_<1mm | Ba_<1mm | Co_<1mm | Cu_<1mm | Cr_<1mm | Pb_<1mm | Ni_<1mm | Sn_<1mm | Sr_<1mm | Zn_<1mm | Zr_<1mm | LOI1000_<1mm% |
|-------|---------|--------|---------|---------|---------|--------|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|
| H1001 | | % | % | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % |
| D | RYP0614 | 0.035 | 0.14 | 0.05 | -999 | 0.044 | 0.03 | 0.25 | 270 | 20 | -10 | 150 | -10 | 24530 | -10 | 680 | -0.001 | -10 | 110 | 70 | 15.2 |
| D | RYP0614 | 0.019 | 0.51 | 0.09 | -999 | 0.012 | 0.045 | 0.62 | 200 | 10 | -10 | 270 | 30 | 71920 | -10 | 420 | 0.001 | 100 | 420 | 270 | 5.14 |
| D | RYP0615 | 0.032 | 0.19 | 0.06 | -999 | 0.033 | 0.056 | 0.29 | 270 | 30 | -10 | 150 | 10 | 29000 | 10 | 610 | 0.002 | 70 | 150 | 90 | 10.44 |
| D | RYP0615 | 0.025 | 0.29 | 0.03 | -999 | 0.024 | 0.078 | 0.45 | 200 | 20 | -10 | 130 | -10 | 38500 | 10 | 790 | -0.001 | -10 | 120 | 210 | 8.02 |
| D | RYP0615 | 0.08 | 0.12 | 0.22 | -999 | 0.016 | 0.247 | 0.32 | 60 | -10 | -10 | 540 | -10 | 18830 | -10 | 2510 | -0.001 | -10 | 110 | 80 | 13.75 |
| D | RYP0616 | 0.032 | 0.31 | 0.03 | -999 | 0.018 | 0.045 | 0.31 | 230 | 20 | -10 | 60 | 20 | 39540 | -10 | 320 | 0.001 | 30 | 150 | -10 | 11.88 |
| D | RYP0616 | 0.024 | 0.31 | 0.02 | -999 | 0.015 | 0.07 | 0.45 | 180 | 10 | -10 | 90 | 30 | 42660 | 30 | 540 | -0.001 | 40 | 200 | 30 | 8.88 |
| D | RYP0616 | 0.046 | 0.06 | 0.02 | -999 | 0.016 | 0.299 | 0.17 | 70 | 10 | -10 | 120 | -10 | 14600 | -10 | 2270 | 0.003 | 50 | 110 | 60 | 14.24 |
| D | RYP0617 | 0.041 | 0.17 | 0.03 | -999 | 0.033 | 0.043 | 0.23 | 200 | 20 | -10 | 90 | -10 | 27080 | -10 | 440 | -0.001 | -10 | 100 | 80 | 17.56 |
| D | RYP0617 | 0.018 | 0.14 | 0.02 | -999 | 0.026 | 0.126 | 0.32 | 180 | 20 | -10 | 70 | 30 | 25890 | -10 | 510 | -0.001 | -10 | 160 | -10 | 8.28 |
| D | RYP0618 | 0.032 | 0.16 | 0.04 | -999 | 0.029 | 0.058 | 0.23 | 240 | 30 | -10 | 90 | -10 | 25900 | -10 | 650 | 0.002 | 50 | 130 | 60 | 12.9 |
| D | RYP0618 | 0.008 | 0.27 | 0.02 | -999 | 0.023 | 0.111 | 0.31 | 210 | 30 | -10 | 70 | 30 | 37020 | -10 | 460 | 0.001 | 40 | 200 | -10 | 8.64 |
| D | RYP0620 | 0.028 | 0.3 | 0.02 | -999 | 0.028 | 0.06 | 0.17 | 170 | 20 | -10 | 70 | -10 | 23650 | -10 | 380 | -0.001 | -10 | 110 | 80 | 11.84 |
| D | RYP0620 | 0.024 | 0.33 | 0.04 | -999 | 0.015 | 0.071 | 0.26 | 130 | 40 | 40 | 70 | 10 | 36640 | -10 | 460 | -0.001 | -10 | 220 | 40 | 8.12 |
| D | RYP0712 | 0.028 | 0.42 | 0.05 | -999 | 0.024 | 0.06 | 0.34 | 150 | 10 | -10 | 120 | 20 | 53290 | 10 | 870 | 0.002 | 60 | 240 | -10 | 15.74 |
| D | RYP0712 | 0.019 | 0.61 | 0.05 | -999 | 0.005 | 0.034 | 0.55 | 130 | -10 | -10 | 150 | -10 | 63180 | -10 | 480 | -0.001 | 70 | 340 | 200 | 5.1 |
| D | RYP0715 | 0.023 | 0.46 | 0.042 | -999 | 0.02 | 0.061 | 0.21 | 170 | 10 | 40 | 90 | 30 | 49260 | -10 | 620 | 0.002 | 80 | 200 | 120 | 9.94 |
| D | RYP0715 | 0.027 | 0.63 | 0.035 | -999 | 0.006 | 0.03 | 0.33 | 120 | -10 | 20 | 90 | 10 | 63280 | 50 | 210 | 0.001 | 80 | 230 | 220 | 4.48 |
| D | RYP0716 | 0.008 | 0.23 | 0.05 | -999 | 0.036 | 0.056 | 0.28 | 220 | 20 | -10 | 120 | 30 | 33700 | -10 | 940 | -0.001 | -10 | 170 | 30 | 6.33 |
| D | RYP0716 | 0.01 | 0.49 | 0.06 | -999 | 0.014 | 0.095 | 0.37 | 160 | 20 | -10 | 150 | 30 | 68200 | 30 | 440 | 0.001 | 80 | 330 | 10 | 7.73 |
| D | RYP0717 | 0.027 | 0.12 | 0.05 | -999 | 0.04 | 0.06 | 0.25 | 220 | 50 | -10 | 50 | -10 | 21720 | -10 | 560 | 0.004 | -10 | 80 | -10 | 13.55 |
| D | RYP0717 | 0.01 | 0.22 | 0.04 | -999 | 0.018 | 0.132 | 0.35 | 140 | 30 | -10 | 60 | 10 | 32210 | -10 | 290 | 0.001 | -10 | 160 | 60 | 9.14 |
| D | RYP0718 | 0.028 | 0.19 | 0.05 | -999 | 0.036 | 0.05 | 0.23 | 240 | 20 | -10 | 60 | 30 | 26860 | -10 | 420 | -0.001 | -10 | 130 | -10 | 11.62 |
| D | RYP0718 | 0.018 | 0.3 | 0.05 | -999 | 0.017 | 0.12 | 0.32 | 160 | 20 | -10 | 110 | -10 | 40300 | -10 | 290 | 0.001 | 100 | 260 | 120 | 7.39 |
| D | RYP0719 | 0.03 | 0.29 | 0.05 | -999 | 0.012 | 0.027 | 0.37 | 180 | 10 | -10 | 90 | 10 | 33670 | 30 | 330 | -0.001 | 20 | 170 | 30 | 6.26 |
| D | RYP0810 | 0.016 | 0.21 | -0.01 | -999 | 0.044 | 0.054 | 0.28 | 280 | 20 | -10 | 130 | -10 | 32620 | -10 | 580 | -0.001 | -10 | 110 | 70 | 7.13 |
| D | RYP0811 | 0.012 | 0.16 | 0.06 | -999 | 0.035 | 0.049 | 0.29 | 260 | 30 | 40 | 140 | 40 | 29660 | -10 | 640 | 0.002 | 10 | 130 | -10 | 7.37 |
| D | RYP0812 | 0.015 | 0.29 | 0.05 | -999 | 0.031 | 0.05 | 0.3 | 170 | 20 | 40 | 140 | 40 | 40200 | -10 | 580 | 0.001 | 40 | 160 | 30 | 9.06 |
| D | RYP0812 | 0.013 | 0.46 | -0.01 | -999 | 0.021 | 0.065 | 0.46 | 160 | 10 | -10 | 180 | -10 | 59150 | -10 | 760 | 0.001 | -10 | 220 | 200 | 7.25 |
| D | RYP0813 | 0.012 | 0.51 | 0.07 | -999 | 0.02 | 0.043 | 0.46 | 170 | 20 | -10 | 240 | 30 | 73510 | -10 | 1060 | 0.002 | 90 | 370 | 130 | 7.04 |
| D | RYP0813 | 0.012 | 0.51 | 0.03 | -999 | 0.018 | 0.056 | 0.52 | 150 | -10 | -10 | 260 | 20 | 73530 | 20 | 1210 | -0.001 | -10 | 320 | 270 | 7.53 |
| D | RYP0814 | 0.012 | 0.47 | 0.07 | -999 | 0.018 | 0.069 | 0.56 | 170 | -10 | -10 | 400 | 20 | 78010 | 10 | 700 | -0.001 | -10 | 460 | 330 | 6.85 |
| D | RYP0815 | 0.009 | 0.14 | 0.05 | -999 | 0.041 | 0.059 | 0.22 | 200 | 20 | -10 | 140 | -10 | 27590 | -10 | 860 | -0.001 | -10 | 160 | 80 | 7.21 |
| D | RYP0815 | 0.04 | 0.38 | 0.08 | -999 | 0.011 | 0.072 | 0.65 | 160 | 10 | -10 | 280 | 20 | 69400 | -10 | 1280 | 0.001 | 150 | 570 | 210 | 8.34 |
| D | RYP0816 | 0.006 | 0.16 | 0.05 | -999 | 0.03 | 0.058 | 0.22 | 150 | 20 | 30 | 110 | 30 | 34800 | -10 | 1120 | 0.002 | -10 | 180 | -10 | 8.33 |
| D | RYP0816 | 0.021 | 0.42 | 0.06 | -999 | 0.008 | 0.037 | 0.58 | 120 | 10 | -10 | 240 | 30 | 72380 | -10 | 1180 | 0.001 | 100 | 510 | 220 | 8.05 |
| D | RYP0817 | 0.006 | 0.1 | 0.06 | -999 | 0.046 | 0.063 | 0.25 | 200 | 30 | 30 | 80 | 30 | 22290 | -10 | 770 | 0.002 | -10 | 120 | -10 | 6.39 |
| D | RYP0817 | 0.007 | 0.24 | 0.06 | -999 | 0.028 | 0.093 | 0.32 | 160 | 20 | 40 | 120 | 50 | 38640 | 40 | 580 | 0.003 | 50 | 220 | -10 | 8.08 |
| D | RYP0819 | 0.012 | 0.23 | 0.04 | -999 | 0.032 | 0.072 | 0.23 | 210 | 30 | -10 | 90 | -10 | 30000 | -10 | 430 | -0.001 | 60 | 140 | 70 | 8.27 |
| D | RYP0911 | 0.022 | 0.52 | 0.05 | -999 | 0.016 | 0.049 | 0.42 | 210 | 10 | -10 | 150 | 30 | 64810 | 30 | 330 | 0.001 | 70 | 270 | 10 | 9.84 |
| D | RYP0912 | 0.015 | 0.4 | 0.07 | -999 | 0.02 | 0.112 | 0.31 | 180 | 20 | -10 | 160 | 30 | 55690 | 10 | 380 | 0.001 | 50 | 280 | -10 | 10.12 |
| D | RYP0913 | 0.01 | 0.13 | 0.05 | -999 | 0.037 | 0.072 | 0.28 | 210 | 20 | -10 | 130 | -10 | 24700 | 30 | 860 | 0.003 | 70 | 150 | 90 | 6.67 |
| D | RYP0914 | 0.005 | 0.14 | 0.02 | -999 | 0.037 | 0.082 | 0.23 | 190 | 20 | -10 | 120 | -10 | 25040 | -10 | 880 | 0.001 | -10 | 110 | 70 | 8.75 |
| D | RYP0915 | 0.006 | 0.18 | 0.05 | -999 | 0.029 | 0.052 | 0.28 | 170 | 20 | 50 | 140 | 30 | 34140 | -10 | 940 | 0.001 | 10 | 220 | -10 | 8.5 |
| D | RYP0915 | 0.017 | 0.63 | 0.08 | -999 | 0.012 | 0.034 | 0.64 | 180 | -10 | -10 | 250 | 20 | 91380 | -10 | 530 | -0.001 | -10 | 580 | 270 | 5.29 |
| D | RYP0916 | 0.011 | 0.26 | 0.05 | -999 | 0.032 | 0.054 | 0.34 | 220 | 20 | -10 | 170 | -10 | 46800 | 20 | 850 | -0.001 | -10 | 270 | 160 | 7.68 |
| D | RYP0917 | 0.02 | 0.46 | 0.06 | -999 | 0.016 | 0.035 | 0.59 | 160 | 10 | -10 | 180 | 30 | 74450 | -10 | 650 | 0.001 | 110 | 520 | 230 | 7.64 |
| D | RYP0918 | 0.01 | 0.55 | 0.07 | -999 | 0.017 | 0.039 | 0.57 | 210 | 20 | -10 | 160 | 20 | 87520 | -10 | 630 | -0.001 | -10 | 490 | 230 | 6.08 |
| D | RYP0918 | 0.016 | 0.58 | 0.07 | -999 | 0.008 | 0.028 | 0.68 | 160 | 10 | -10 | 170 | 20 | 92210 | -10 | 540 | 0.001 | 130 | 510 | 290 | 6.18 |
| D | RYP0919 | 0.027 | 0.54 | 0.05 | -999 | 0.012 | 0.036 | 0.6 | 160 | -10 | -10 | 180 | 20 | 75100 | 20 | 750 | 0.001 | 170 | 460 | 220 | 5.99 |
| D | RYP1010 | 0.026 | 0.52 | 0.09 | -999 | 0.013 | 0.046 | 0.59 | 180 | 10 | -10 | 260 | 30 | 66370 | -10 | 660 | 0.001 | 90 | 370 | 230 | 8.65 |
| D | RYP1010 | 0.035 | 0.48 | 0.08 | -999 | 0.013 | 0.073 | 0.74 | 180 | -10 | -10 | 260 | 30 | 63460 | 40 | 810 | 0.002 | 80 | 430 | 140 | 7.28 |
| D | RYP1011 | 0.018 | 0.25 | 0.08 | -999 | 0.031 | 0.047 | 0.32 | 270 | 20 | -10 | 230 | -10 | 39760 | -10 | 740 | -0.001 | -10 | 170 | 130 | 9.39 |
| D | RYP1011 | 0.025 | 0.57 | 0.11 | -999 | 0.011 | 0.039 | 0.72 | 210 | -10 | 40 | 290 | 30 | 74920 | -10 | 480 | -0.001 | 120 | 400 | 300 | 5.08 |
| D | RYP1012 | 0.032 | 0.13 | 0.05 | -999 | 0.038 | 0.051 | 0.23 | 180 | 20 | -10 | 50 | 20 | 22540 | -10 | 320 | 0.001 | -10 | 90 | -10 | 22.28 |
| D | RYP1012 | 0.015 | 0.25 | 0.07 | -999 | 0.022 | 0.11 | 0.43 | 180 | 10 | -10 | 210 | -10 | 46310 | 10 | 560 | -0.001 | -10 | 210 | 190 | 7.31 |
| D | RYP1013 | 0.024 | 0.63 | 0.09 | -999 | 0.014 | 0.053 | 0.67 | 170 | -10 | -10 | 250 | 40 | 81270 | 50 | 330 | 0.002 | 120 | 390 | 160 | 6.01 |
| D | RYP1013 | 0.034 | 0.21 | 0.08 | -999 | 0.016 | 0.173 | 0.32 | 80 | -10 | -10 | 350 | -10 | 28530 | -10 | 1660 | -0.001 | -10 | 160 | 120 | 13.48 |
| D | RYP1014 | 0.007 | 0.17 | 0.07 | -999 | 0.046 | 0.05 | 0.22 | 180 | 20 | 80 | 150 | 60 | 29290 | 50 | 1000 | 0.004 | 40 | 170 | -10 | 5.87 |
| D | RYP1014 | 0.006 | 0.36 | 0.09 | -999 | 0.025 | 0.057 | 0.22 | 160 | 10 | -10 | 230 | 10 | 52300 | -10 | 1490 | -0.001 | -10 | 280 | 10 | 10.22 |
| D | RYP1015 | 0.017 | 0.16 | 0.09 | -999 | 0.041 | 0.04 | 0.4 | 260 | 20 | 40 | 120 | 40 | 31610 | 30 | 510 | 0.002 | 30 | 170 | -10 | 8.74 |

Appendix E: EL45/2010 Test Pit Sample Assays

| H1000 | Hole | K_<1mm | Mg_<1mm | Mn_<1mm | Na_<1mm | P_<1mm | S_<1mm | Ti_<1mm | V_<1mm | As_<1mm | Ba_<1mm | Co_<1mm | Cu_<1mm | Cr_<1mm | Pb_<1mm | Ni_<1mm | Sn_<1mm | Sr_<1mm | Zn_<1mm | Zr_<1mm | LOI1000_<1mm% |
|-------|----------|--------|---------|---------|---------|--------|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|
| H1001 | | % | % | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % |
| D | RYPC1015 | 0.031 | 0.43 | 0.1 | -999 | 0.013 | 0.023 | 0.88 | 180 | 30 | -10 | 300 | 10 | 72050 | -10 | 450 | -0.001 | -10 | 480 | 330 | 5.23 |
| D | RYPC1016 | 0.016 | 0.53 | 0.06 | -999 | 0.03 | 0.051 | 0.32 | 160 | 20 | 20 | 160 | 40 | 70080 | 50 | 670 | 0.002 | 110 | 350 | -10 | 8.97 |
| D | RYPC1016 | 0.019 | 0.66 | 0.09 | -999 | 0.015 | 0.044 | 0.43 | 130 | 10 | -10 | 250 | 40 | 87090 | 20 | 920 | 0.001 | 110 | 480 | 10 | 9.87 |
| D | RYPC1017 | 0.061 | 0.17 | 0.02 | -999 | 0.041 | 0.045 | 0.15 | 240 | 10 | -10 | 40 | -10 | 19970 | -10 | 310 | -0.001 | -10 | 40 | 20 | 30.04 |
| D | RYPC1017 | 0.008 | 0.57 | 0.04 | -999 | 0.015 | 0.049 | 0.26 | 240 | 20 | -10 | 70 | 30 | 61630 | -10 | 230 | -0.001 | -10 | 240 | 30 | 6.04 |
| D | RYPC1018 | 0.027 | 0.43 | 0.05 | -999 | 0.025 | 0.05 | 0.28 | 230 | 20 | -10 | 100 | -10 | 48600 | -10 | 330 | 0.001 | 110 | 240 | 90 | 10.7 |
| D | RYPC1018 | 0.014 | 0.82 | 0.06 | -999 | 0.016 | 0.043 | 0.34 | 230 | -10 | -10 | 150 | 30 | 91790 | 60 | 200 | -0.001 | 120 | 400 | 40 | 5.03 |
| D | RYPC1111 | 0.016 | 0.47 | 0.06 | -999 | 0.024 | 0.044 | 0.49 | 220 | 20 | -10 | 150 | 30 | 60060 | 40 | 330 | 0.002 | 80 | 270 | 70 | 5.24 |
| D | RYPC1111 | 0.011 | 0.44 | 0.06 | -999 | 0.015 | 0.089 | 0.53 | 190 | 20 | 20 | 150 | 30 | 54830 | -10 | 300 | -0.001 | 70 | 260 | 180 | 6.25 |
| D | RYPC1112 | 0.048 | 0.12 | 0.06 | -999 | 0.036 | 0.063 | 0.18 | 150 | 30 | -10 | 120 | -10 | 17970 | -10 | 560 | -0.001 | -10 | 70 | -10 | 29.66 |
| D | RYPC1112 | 0.017 | 0.28 | 0.09 | -999 | 0.02 | 0.069 | 0.55 | 170 | 10 | -10 | 250 | 30 | 41730 | -10 | 530 | -0.001 | 30 | 270 | 50 | 7.88 |
| D | RYPC1113 | 0.01 | 0.14 | 0.051 | -999 | 0.045 | 0.051 | 0.28 | 220 | 30 | 70 | 110 | 40 | 21260 | -10 | 780 | 0.004 | 20 | 130 | 50 | 5.7 |
| D | RYPC1113 | 0.018 | 0.23 | 0.051 | -999 | 0.021 | 0.114 | 0.48 | 160 | 20 | 20 | 140 | 30 | 35040 | -10 | 590 | 0.001 | 60 | 200 | 200 | 8.79 |
| D | RYPC1114 | 0.007 | 0.21 | 0.06 | -999 | 0.033 | 0.056 | 0.23 | 200 | 20 | 60 | 120 | 50 | 35710 | 30 | 890 | 0.004 | 50 | 210 | -10 | 7.28 |
| D | RYPC1114 | 0.006 | 0.28 | 0.07 | -999 | 0.025 | 0.065 | 0.25 | 170 | 20 | -10 | 160 | 50 | 44320 | 20 | 1100 | 0.003 | 50 | 260 | -10 | 9.37 |
| D | RYPC1114 | 0.025 | 0.71 | 0.12 | -999 | 0.006 | 0.021 | 0.78 | 180 | -10 | -10 | 370 | 20 | 97390 | -10 | 660 | -0.001 | 140 | 720 | 300 | 4.41 |
| D | RYPC1115 | 0.02 | 0.1 | 0.11 | -999 | 0.034 | 0.056 | 0.15 | 150 | 30 | -10 | 130 | -10 | 26110 | -10 | 850 | -0.001 | -10 | 130 | -10 | 15.96 |
| D | RYPC1115 | 0.011 | 0.28 | 0.12 | -999 | 0.019 | 0.053 | 0.36 | 160 | 20 | 40 | 220 | 20 | 52630 | -10 | 930 | -0.001 | 40 | 300 | 70 | 8.69 |
| D | RYPC1115 | 0.034 | 0.27 | 0.12 | -999 | 0.013 | 0.06 | 0.58 | 130 | -10 | 20 | 270 | 40 | 58390 | 30 | 1560 | 0.002 | 90 | 450 | 70 | 11.34 |
| D | RYPC1116 | 0.012 | 0.18 | 0.06 | -999 | 0.036 | 0.061 | 0.19 | 180 | 10 | -10 | 140 | 10 | 29540 | -10 | 1210 | -0.001 | -10 | 150 | -10 | 9.88 |
| D | RYPC1116 | 0.017 | 0.52 | 0.05 | -999 | 0.013 | 0.04 | 0.52 | 150 | -10 | -10 | 270 | 30 | 70280 | 20 | 760 | -0.001 | -10 | 350 | 290 | 5.91 |
| D | RYPC1117 | 0.015 | 0.17 | 0.03 | -999 | 0.037 | 0.05 | 0.2 | 170 | 20 | -10 | 90 | -10 | 24920 | -10 | 610 | 0.001 | -10 | 100 | 70 | 11.45 |
| D | RYPC1117 | 0.019 | 0.42 | 0.04 | -999 | 0.01 | 0.044 | 0.47 | 150 | 20 | -10 | 90 | 10 | 52120 | -10 | 230 | -0.001 | -10 | 260 | 130 | 5.48 |
| D | RYPC1118 | 0.018 | 0.44 | 0.05 | -999 | 0.01 | 0.026 | 0.34 | 200 | -10 | -10 | 100 | -10 | 48860 | -10 | 200 | 0.002 | 40 | 190 | 190 | 4.85 |
| D | RYPC1118 | 0.032 | 0.4 | 0.02 | -999 | 0.01 | 0.038 | 0.44 | 160 | -10 | -10 | 90 | -10 | 45340 | 10 | 230 | -0.001 | -10 | 130 | 220 | 5.2 |
| D | RYPC1118 | 0.051 | 0.04 | 0.05 | -999 | 0.014 | 0.144 | 0.17 | 70 | 10 | -10 | 260 | -10 | 12250 | -10 | 2810 | -0.001 | -10 | 170 | 50 | 14.23 |
| D | RYPC1203 | 0.041 | 0.54 | 0.116 | -999 | 0.021 | 0.1 | 0.46 | 160 | 10 | 20 | 380 | 40 | 66360 | 20 | 1410 | 0.002 | 120 | 410 | 210 | 9.91 |
| D | RYPC1205 | 0.018 | 0.43 | 0.08 | -999 | 0.016 | 0.049 | 0.51 | 180 | -10 | 40 | 290 | 30 | 59690 | 30 | 670 | 0.002 | 100 | 340 | 310 | 8.21 |
| D | RYPC1205 | 0.017 | 0.36 | 0.093 | -999 | 0.013 | 0.061 | 0.45 | 140 | -10 | 40 | 300 | 30 | 49520 | -10 | 1070 | 0.001 | 60 | 300 | 250 | 8.96 |
| D | RYPC1206 | 0.024 | 0.39 | 0.093 | -999 | 0.02 | 0.037 | 0.81 | 200 | 10 | 70 | 210 | 30 | 59710 | 40 | 350 | 0.002 | 110 | 360 | 450 | 4.07 |
| D | RYPC1206 | 0.061 | 0.35 | 0.089 | -999 | 0.016 | 0.066 | 0.83 | 180 | 10 | 50 | 190 | 30 | 57790 | 40 | 360 | 0.002 | 100 | 360 | 470 | 5.57 |
| D | RYPC1207 | 0.016 | 0.29 | 0.137 | -999 | 0.016 | 0.055 | 0.51 | 160 | 10 | 50 | 220 | 40 | 51490 | 40 | 810 | 0.002 | 100 | 350 | 300 | 8.76 |
| D | RYPC1207 | 0.022 | 0.32 | 0.142 | -999 | 0.012 | 0.047 | 0.68 | 160 | -10 | -10 | 310 | 30 | 57220 | -10 | 760 | 0.002 | 80 | 390 | 360 | 7.53 |
| D | RYPC1208 | 0.032 | 0.45 | 0.066 | -999 | 0.02 | 0.051 | 0.62 | 240 | 20 | -10 | 170 | 20 | 64550 | 10 | 250 | 0.001 | 90 | 300 | 380 | 16.08 |
| D | RYPC1208 | 0.015 | 0.49 | 0.077 | -999 | 0.012 | 0.058 | 0.71 | 220 | 20 | -10 | 190 | 20 | 68490 | 10 | 290 | 0.002 | 90 | 330 | 390 | 6.34 |
| D | RYPC1209 | 0.014 | 0.28 | 0.072 | -999 | 0.027 | 0.044 | 0.45 | 300 | 20 | 60 | 110 | 40 | 51250 | 20 | 350 | 0.002 | 70 | 240 | 210 | 6.94 |
| D | RYPC1209 | 0.017 | 0.49 | 0.07 | -999 | 0.013 | 0.028 | 0.88 | 250 | -10 | 20 | 150 | 30 | 74240 | 60 | 180 | 0.004 | 140 | 390 | 520 | 4.42 |
| D | RYPC1210 | 0.034 | 0.3 | 0.054 | -999 | 0.028 | 0.053 | 0.38 | 220 | 20 | -10 | 120 | 10 | 44770 | -10 | 520 | 0.002 | 40 | 220 | 200 | 16.71 |
| D | RYPC1210 | 0.013 | 0.52 | 0.06 | -999 | 0.018 | 0.033 | 0.73 | 250 | 10 | 30 | 190 | 10 | 71370 | -10 | 300 | 0.001 | 110 | 370 | 400 | 5.28 |
| D | RYPC1211 | 0.045 | 0.17 | 0.047 | -999 | 0.036 | 0.04 | 0.22 | 180 | 20 | -10 | 100 | -10 | 25760 | -10 | 500 | 0.001 | -10 | 120 | 70 | 24.23 |
| D | RYPC1211 | 0.019 | 0.52 | 0.054 | -999 | 0.021 | 0.055 | 0.48 | 210 | 20 | 10 | 150 | 20 | 67450 | 20 | 300 | 0.002 | 90 | 290 | 260 | 7.41 |
| D | RYPC1211 | 0.018 | 0.57 | 0.058 | -999 | 0.022 | 0.06 | 0.45 | 230 | 20 | 40 | 160 | 30 | 73800 | 40 | 270 | 0.003 | 120 | 300 | 260 | 6.77 |
| D | RYPC1303 | 0.028 | 0.51 | 0.124 | -999 | 0.02 | 0.047 | 0.6 | 170 | -10 | 40 | 320 | 30 | 73070 | 20 | 740 | 0.003 | 120 | 430 | 320 | 11.59 |
| D | RYPC1303 | 0.032 | 0.37 | 0.122 | -999 | 0.015 | 0.091 | 0.69 | 200 | 10 | 60 | 220 | 60 | 81180 | -10 | 840 | 0.002 | 130 | 480 | 340 | 9.4 |
| D | RYPC1304 | 0.025 | 0.48 | 0.096 | -999 | 0.027 | 0.048 | 0.59 | 210 | 10 | 30 | 230 | 30 | 66820 | 30 | 490 | 0.002 | 110 | 320 | 320 | 6.8 |
| D | RYPC1304 | 0.051 | 0.41 | 0.083 | -999 | 0.021 | 0.06 | 0.74 | 170 | 10 | 50 | 220 | 40 | 55950 | 30 | 660 | 0.003 | 90 | 320 | 350 | 8.65 |
| D | RYPC1305 | 0.019 | 0.33 | 0.069 | -999 | 0.019 | 0.048 | 0.6 | 200 | 20 | 50 | 150 | 30 | 53000 | 40 | 320 | 0.002 | 90 | 270 | 350 | 6.26 |
| D | RYPC1305 | 0.037 | 0.34 | 0.062 | -999 | 0.013 | 0.045 | 0.78 | 180 | 10 | 30 | 140 | 20 | 55700 | 30 | 220 | 0.002 | 110 | 300 | 420 | 6.42 |
| D | RYPC1306 | 0.039 | 0.42 | 0.078 | -999 | 0.022 | 0.045 | 0.44 | 180 | 10 | -10 | 250 | 10 | 62310 | -10 | 470 | 0.002 | 60 | 340 | 240 | 18.63 |
| D | RYPC1306 | 0.015 | 0.55 | 0.092 | -999 | 0.012 | 0.051 | 0.64 | 220 | -10 | -10 | 350 | 30 | 81500 | 50 | 850 | 0.002 | 130 | 420 | 390 | 5.97 |
| D | RYPC1307 | 0.024 | 0.33 | 0.078 | -999 | 0.027 | 0.039 | 0.4 | 240 | 20 | 20 | 210 | 30 | 52820 | -10 | 500 | 0.003 | 70 | 260 | 180 | 9.56 |
| D | RYPC1307 | 0.014 | 0.54 | 0.084 | -999 | 0.013 | 0.039 | 0.77 | 220 | 10 | -10 | 280 | 20 | 78120 | -10 | 370 | 0.001 | 100 | 410 | 400 | 4.7 |
| D | RYPC1307 | 0.021 | 0.14 | 0.179 | -999 | 0.013 | 0.124 | 0.16 | 70 | 10 | 30 | 620 | 50 | 31680 | -10 | 2710 | 0.003 | 40 | 340 | 40 | 10.87 |
| D | RYPC1308 | 0.014 | 0.49 | 0.109 | -999 | 0.013 | 0.051 | 0.65 | 180 | 10 | 10 | 300 | 40 | 82710 | 40 | 520 | 0.002 | 140 | 490 | 390 | 6.75 |
| D | RYPC1308 | 0.022 | 0.17 | 0.144 | -999 | 0.013 | 0.088 | 0.49 | 110 | 10 | 20 | 380 | 40 | 44540 | -10 | 1170 | 0.003 | 50 | 390 | 190 | 11.82 |
| D | RYPC1309 | 0.025 | 0.37 | 0.276 | -999 | 0.027 | 0.048 | 0.14 | 80 | -10 | 60 | 660 | 40 | 41160 | -10 | 2490 | 0.004 | 50 | 510 | 30 | 10.47 |
| D | RYPC1402 | 0.021 | 0.7 | 0.122 | -999 | 0.02 | 0.038 | 0.71 | 210 | -10 | 20 | 240 | 40 | 84320 | 50 | 440 | 0.001 | 150 | 380 | 390 | 5.34 |
| D | RYPC1402 | 0.033 | 0.2 | 0.177 | -999 | 0.02 | 0.124 | 0.4 | 120 | 10 | 60 | 280 | 30 | 27600 | -10 | 2380 | 0.003 | 30 | 220 | 130 | 11.62 |
| D | RYPC1403 | 0.019 | 0.18 | 0.171 | -999 | 0.021 | 0.149 | 0.17 | 70 | -10 | 80 | 540 | 50 | 29400 | 20 | 3150 | 0.005 | 40 | 320 | 50 | 10.23 |
| D | RYPC1404 | 0.026 | 0.5 | 0.321 | -999 | 0.029 | 0.045 | 0.16 | 90 | -10 | 50 | 560 | 60 | 63330 | -10 | 2340 | 0.004 | 100 | 510 | 60 | 10.02 |
| EOF | | | | | | | | | | | | | | | | | | | | | |

Appendix F

Riley Test Pit 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 | XFC | Fault cataclasite - cohesive more than >30% clastic | Veins | |
| SMUD | unconsolidated mud | | | *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 | SMP | phyllite | SCB, ooSCB, stSCB, | undifferentiated carbonate, prefixes oo=oolitic, st=stromatolitic, bc=bioclastic |
| volcSS | minimum 5m logging interval, prefixes qz | SGRT | grit | | |
| lithSS | = quartz, lith = lithic, volc = volcanogenic, | SSPC | pebbly or cobbly sandstone | | |
| ccSS | cc = calcareous | SSIC | intraclastic SS & SCG | | |
| SM | >75% mudstone over ≥5m | SCG | conglomerate | SLST | limestone |
| ST | >75% siltstone over ≥5m | SCGR | mud chip conglomerate (rip-ups) | SDOL | dolomite |
| SSM | 25-75% SS & SM over ≥5m | SCGM | monomict conglomerate | SCHT | chert |
| SST | 25-75% SS & ST over ≥5m | SCGP | polymict conglomerate | SBIF | banded iron formation |
| SMH | shale | SBRM | monomict breccia | SLIG | lignite |
| SML | slate | SBRP | polymict breccia | STIL | tillite |
| SMA | argillite | | | STUF | tuffite (redeposited) |
| | | | | 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 | spinfex 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 | | | voZXS | >50% vonsenite; aci, radiating |
| 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 | poZXS | >50% pyrrhotite; bnd, semi-mas to mas |
| btZSCH | use mineral code prefixes for only the | veZXS | tab, pbl, & orb ve in px-cc matrix. | pyZXS | >50% pyrite; semi-mas to mas |
| ZGNS | undifferentiated gneiss | olZXS | >50% grn ol; ± ol→sr, hrn, dis mt, patches wt-lgn px. | sdZXS | >25% siderite; includes sqp & s+p, <cs + ksp |
| btZGNS | bt-gneiss, K-fp-gneiss, etc... using mineral code prefixes for only the distinguishing minerals | lpZXS | leopard skarn = olZXS w/ irregular granitic blobs/dyklets→px, rimmed by pk gt, lgn px, gn ph. | btZXS | >50% biotite; bn-bk, "books" common ± fl |
| ksp-ZGNS | | 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. |
| ZAMP | undifferentiated amphibolite | | | ZGRS | Undifferentiated greisen; saccharoidal qz-mu aggregate. Ppy fp→po. |
| ZHF | hornfels, ifg; ≤2 mineral prefixes as appropriate (eg. muZHF, andZHF) | 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. |
| amZHF | amphibole (>20%) hornfels | | | ammt-ZXS | amphibole (25-50%) + magnetite (25-50%); typically matrix around ex-gt pbl |
| btZHF | biotite (>20%) hornfels; brownish, brown streak | ampo-ZXS | amphibole (25-50%) + pyrrhotite (25-50%); pbl | | |
| pxZHF | pyroxene (>20%) hornfels; whitish to whitish-green | | | | |
| axZHF | axinite (>20%) hornfels; purplish | | | | |
| qzZHF | quartz (>20%) hornfels; hard, bronze-grey, microcrystalline qz w/ po, black streak | | | | |

Appendix F: EL45/2010 Test Pit Logs

| | | | | | | | | | | | | | | | | | | |
|-------|--------------------------------|-----------------------------|----------------|------------|-------|-------|-----------|-----------|------------|----------------|------------------|-------------|------------|--|--|--|--|--|
| H0002 | Version | 3 | | | | | | | | | | | | | | | | |
| H0003 | Date_generated | 29/4/2011 | | | | | | | | | | | | | | | | |
| H0004 | Reporting_period_end_date | 30/5/2012 | | | | | | | | | | | | | | | | |
| H0005 | State | TAS | | | | | | | | | | | | | | | | |
| H0100 | Tenement | EL45/2010 | | | | | | | | | | | | | | | | |
| 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 | 3637 Rosebury, 3638 Parsons | | | | | | | | | | | | | | | | |
| H0200 | Start_date_of_data_acquisition | 30/5/2011 | | | | | | | | | | | | | | | | |
| H0201 | End_date_of_data_acquisition | 29/4/2012 | | | | | | | | | | | | | | | | |
| H0202 | Data_format | SG3 | | | | | | | | | | | | | | | | |
| H0203 | Number_of_data_records | 693 | | | | | | | | | | | | | | | | |
| H0204 | Date_of_metadata_update | 29/4/2012 | | | | | | | | | | | | | | | | |
| H0500 | Feature_Located | Rock Unit Interval | | | | | | | | | | | | | | | | |
| H0501 | Geodetic_datum | not applicable | | | | | | | | | | | | | | | | |
| H0502 | Vertical_datum | not applicable | | | | | | | | | | | | | | | | |
| H0503 | Projection | not applicable | | | | | | | | | | | | | | | | |
| H0531 | Projection_zone | not applicable | | | | | | | | | | | | | | | | |
| H0900 | Remarks: | | | | | | | | | | | | | | | | | |
| H1000 | Test_Pit | From_m metres | To_m metres | Colour | Lith1 | Lith2 | Vein_type | Vein % | Clay% % | Fe-oxide% % | Other_alteration | Texture | Structures | Description | Comments | | | |
| D | RYPA1003 | 2.4 | 3 | gn-gy yw-o | RCLY | USERP | | | | 95 | 5 | mas bnd grn | | interbanded-patchy lgn-gy RCLY after serpentinite w/ interbands of yw ferruginous clay. + mnr clusters of grn bk v. ifg x'stals ~moh 4? | | | | |
| D | RYPA1004 | 0 | 0.8 | rd-gy | RLG | | | | | 5 | 95 | | | lateritic gravel consisting of he-mt grains, 0.3-1.5cm, ang-sub rounded. mnr cy matrix. w/ 25% transported cemented boulders and cobbles. | | | | |
| D | RYPA1004 | 0.8 | 2.1 | yw-gn | RCLY | USERP | | | | 85 | 15 | | | stk yw-gn RCLY consisting of gn-weakly cy weathered USERP (blocky boulder? Corestones?) w/ yw-og-rd ferruginous cy, w/ a network of hematitic veins. | | | | |
| D | RYPA1005 | 0 | 0.4 | rd-gy | RLG | | | | | 10 | 90 | | | lateritic gravel consisting of he-mt rounded clasts + rare transported RLC cobbles. Ferruginous cy coatings. | | | | |
| D | RYPA1005 | 0.4 | 2.2 | yw-og | RCLY | | | | | 90 | 10 | | | semi mas yw-og cy w/ he stk's + scattered mt and trace cr x'stals. Rare wxy yellow sr rich cy patches. | | | | |
| D | RYPA1006 | 0 | 1.3 | rd-og | RCLY | | | | | 95 | 5 | mas stk | | rd-og-yw ferruginous RCLY w/ rare v. ifg scattered brittle bk x'stals | | | | |
| D | RYPA1006 | 1.3 | 2 | lgn | USERP | | | | | 10 | 0 | sr 70, mt 3 | | lime gn mas sr w/ intense bk veining--dendritic ?m ?sr. Dis mtg. | | | | |
| D | RYPA1007 | 0 | 0.4 | gy-rd | RCLY | | | | | 70 | 30 | | | rounded-sub rounded clasts of go-he-mt. w/ ↑cy %. Rd-ferruginous clay coatings. Undulating boundary w/ cy below. | | | | |
| D | RYPA1007 | 0.4 | 0.7 | rd-bn | RLC | RCLY | | | | 50 | 50 | | | pisolitic recemented gravel w/ interstitial ferruginous cy. w/ lesser interbands and lenses of RCLY. Mnr he veins. | | | | |
| D | RYPA1007 | 0.7 | 2.1 | rd bn yw | RCLY | | | | | 70 | 30 | | | semi mas rd-og gritty RCLY. Weakly magnetic w/ mnr pisolitic horizons. + he stk's and conc mt lam's. | | | | |
| D | RYPA1008 | 0 | 0.4 | rd-bn | RLG | | | | | 40 | 60 | | | gravelly laterite--consisting of he-go-mt grains in a hematitic cy matrix, ↑cy component. | | | | |
| D | RYPA1008 | 0.4 | 0.7 | rd-bn og | RCLY | RLC | he | | | 60 | 40 | pis | | ferruginous gravelly RCLY w/ cemented seam's and lenses. Pisolitic. Mnr he veinlets. | | | | |
| D | RYPA1008 | 0.7 | 2.1 | rd og bn | RCLY | | he | | | 35 | 75 | pis | | semi mas og-rd RCLY w/ stk rd-bk he cy w/ scattered mt. w/ ~30% rounded he-go pisolites. | | | | |
| D | RYPA1008 | 2.1 | 2.3 | lgy | RLC | | he | | | 40 | 60 | pis | | cemented interval consisting of rounded grains of he-mt in a powdery gy cy matrix. | | | | |
| D | RYPA1008 | 2.3 | 3.9 | rd-bn | RCLY | | he | | | 40 | 60 | pis | | he-mt pisolites in a hematitic RCLY. Mnr cemented lenses. 40% clasts and 60% cy. Cy ↑ pisolites ↓dh | Hole kept caving in- unable to get clean sample. Pit ended early | | | |
| D | RYPA1101 | 0 | 1.3 | rd-bn | RLG | | | | | 10 | 90 | | | gravelly laterite w/ mnr cemented horizons. | | | | |
| D | RYPA1101 | 1.3 | 1.9 | rd-bn | RLC | RLG | | | | 10 | 90 | | | gradational boundary between RLC and RLG. lenses of cemented pisolitic laterite and gravel. | | | | |
| D | RYPA1101 | 1.9 | 2.5 | rd og bn | RCLY | | he | | | 80 | 20 | | | gritty ferruginous clay w/ scattered brittle bk ifg x'stals. Mnr hard cemented lenses at SOI | | | | |
| D | RYPA1102 | 0 | 0.4 | rd-bn | RLG | | | | | 25 | 75 | | | Lateritic gravel's consisting of he-mt clasts within a ferruginous cy w/ organic component. | | | | |
| D | RYPA1102 | 0.4 | 1.2 | yw bn | RCLY | | he | | | 95 | 5 | mas | | semi-mas yw RCLY w/ stk rd-bn cy + mnr he veins. Very ifg scattered bk brittle x'stals. Trace cr. | | | | |
| D | RYPA1102 | 1.2 | 1.6 | yw rd bn | RLC | RCLY | he | | | 50 | 50 | pis | | pisolitic RCLY, rounded pisolites in a clay matrix w/ partially cemented horizons. | | | | |
| D | RYPA1102 | 1.6 | 2.1 | yw bn | RCLY | | he | | | 95 | 10 | mas | | yw semi mas RCLY w/ stk's of rd-bn cy. Mnr he veins. Rare pisolitic cy lenses continuing to the bottom of the pit. | | | | |
| D | RYPA1103 | 0 | 0.6 | rd bn | RLG | | | | | 30 | 70 | | | transported lateritic gravels w. Cement cobbles and boulders. Fe clasts have ferruginous cy coatings (+organics), sig rootlets. | | | | |
| D | RYPA1103 | 0.6 | 1.4 | rd bn yw | RLC | RCLY | he | | | 60 | 40 | pis mas | | pisolitic-cemented laterite w/ interstitial yw-rd ferruginous cy. Mt-?he-he pisolites | | | | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|---------------------|-----------------|------------|---|---|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP1103 | 1.4 | 2.8 | yw | RCLY | | cr 0.01 | | 90 | 10 | | mas stk | | yw semi mas RCLY w/ rd-bn hematitic cy stk's. w/ network of he veinlets. Trace cr x'stals. | |
| D | RYP1104 | 0 | 0.5 | rd-bn | RLG | RLT | | | 65 | 35 | | | | gravelley ferruginous RCLY. Rd-bn cy w/ rounded clasts of fe gravel w/ mnr cobbles and boulders of RLC. | |
| D | RYP1104 | 0.5 | 2.1 | yw-bn | RCLY | | he | | 90 | 10 | | | | semi mas yw RCLY w/ spk and stks od dgy-rd metallic hematic cy. Gritty texture. + trace ?cr. V.weakly mt- within dgy cy stk's. | |
| D | RYP1105 | 0 | 0.7 | rd-bn | RCLY | RLG | | | 80 | 20 | | | | rd-bn ferruginous RCLY w/ mnr fe-gravels ? Pisolites. | |
| D | RYP1105 | 0.7 | 1.3 | yw-gn | USERP | | sr | 2 | 0 | 0 | sr 80, cr 0.1, mt 2 | | | USERP lime gn groundmass w/ a network of bk hrt veinlets. Dendritic sr-mn? Spots. + ifg dis mtg. + rare scattered ifg cr. Relict crystalline texture. | |
| D | RYP1106 | 0 | 1.1 | rd-bn | RLG | | | | 40 | 60 | | | | transported lateritic gravels consisting of rounded clasts of he-mt w/ rd-bn ferruginous cy coating. Mnr organic rootlets. | |
| D | RYP101 | 0 | 0.2 | dbn | RLG | | | | 0 | 0 | | | | Organics, soil. Mnr lat subrounded fe nodules. | Southern wall measured. Greater thickness amorphous laterite. Northern wall has 1m cy, 30cm RLC. Subvertical lat/cy contact near centre of pit. |
| D | RYP101 | 0.2 | 1.2 | dbn dgy rd | RLC | | | | 25 | 75 | | mas | | Cobble-boulder sized fragments amorphous laterite in lateritic gravel. Metallic-gy lat (~20%), mostly weathered to rd hm (~20%). Dbn gravelly silt. Mnr organics penetrating through this layer. Discontinuous mnr bnd lgy silt, silt commonly filling cavities | |
| D | RYP101 | 1.2 | 1.4 | lgy og | RCLY | | | | 98 | 0 | | stk blt lam bnd | | Og mi-rich sandy silt. Sfg sand. Mi flakes common to 1mm. Common lgy stks, lam-tnb bnds, blt's. | |
| D | RYP102 | 0 | 0.2 | pl-bn | RLG | | | | 5 | 95 | | | | Metallic gy subrounded fe nodules weathering to bn-pl hm. In bn cy matrix. Nodules 2-20mm. Common organics in lateritic soil @ surface, penetrating through lateritic gravel. | |
| D | RYP102 | 0.2 | 1 | pl-bn bn-o | RLC | | | | 10 | 80 | | | | Metallic gy amorphous laterite weathering to og go. Common lgy silt around lge boulder sized fragments cemented laterite, filling cavities. | |
| D | RYP102 | 1 | 1.9 | bn | RCLY | RLG | | | 60 | 40 | | stk | | Dbn gravelly cy. Common metallic gy lateritic gravel & fragments cemented lat to cobble size. Gravel 2-20mm. Patchy cy-only zones - dbn-bn cy w/ common bk stks. | |
| D | RYP102 | 1.9 | 2.3 | log-bn/cm | RCLY | | | | 100 | 0 | | blb stk plt | | Mas log tkb cy w/ patchy mnr dog stks. Common cm-bl blbs. Dbn mdb cy @ top of interval w/ patchy XW rock fragments which crumble to cy when crushed. Mnr mi flakes to 1mm. | |
| D | RYP103 | 0 | 0.3 | gy bn | RLG | | | | 5 | 80 | | pis | | Pisolitic gravelly lateritic soil. Common organics. Metallic gy subangular-subrounded fe nodules 2-20mm. Commonly mod-strongly mag. Mnr cobble-sized fragments cemented amorphous laterite. | |
| D | RYP103 | 0.3 | 1.3 | og bn dgy | RLC | | | | 5 | 90 | | mas | | Cemented amorphous laterite. Metallic gy weathering to og-yw go. Common cavities. Patchy wk mag. Common patchy gy silt. | |
| D | RYP103 | 1.3 | 2.7 | og bn | RCLY | RLG | | | 40 | 60 | | mas | | Og-bn gravelly cy. Mnr rd cy blt, gn cy blbs. Dgy fe clasts commonly gravel-sized, rarely cobble sized. Patchy mnr wk-mod mag in fe clasts. | |
| D | RYP103 | 2.7 | 3 | cm og yw | RCLY | | | | 100 | 0 | | stk spt | | Cm-og to bn-og sandy cy. Common lgy cy stks. Mnr rd-og blt's, blbs. Trace fg mi. Mnr bn cy spts. | |
| D | RYP104 | 0 | 0.4 | dgy bn | RLG | | | | 10 | 80 | | | | Pisolitic dgy-bn lateritic soil. Common organics. Subangular-subrounded fe nodules 2-15mm. Discontinuous mnr bk mod developed soil layer on top. Dbn mnr cy component in remainder. Fe nodules wk-mod mag. | |
| D | RYP104 | 0.4 | 1.5 | og-dgy | RLC | RLG | | | 20 | 80 | | mas bnd | | Boulder sized fragments dgy metallic amorphous cemented laterite. Common cavities. Patchy mnr wk mag. Dom weathering to og go, patchy mnr rd hm. Lateritic gravel w/ ~20% og cy. Wk-mod mag clasts common in lateritic gravel. Mnr rd cy bnd. | |
| D | RYP104 | 1.5 | 2.5 | og bn | RLG | RLC | | | 20 | 80 | | mas bit | | Og bn rd lateritic gravel. Clast supported w/ extensive og-bn cy. Dom gravel-mnr cobble sized clasts metallic gy fe gravel. Patchy rd cy blt. | |
| D | RYP104 | 2.5 | 2.7 | dbn dgy | RLC | | | | 50 | 50 | | mas lam | | Hard thick crust on top of cy at bottom of pit. Dgy-dbn mas. Patchy wk mag. Weathering to og on edges. Mnr rd lam. | |
| D | RYP104 | 2.7 | 3.5 | og cm bn | RCLY | | | | 100 | 0 | | stk mas | | Mdb bn gravelly cy overlying mas og-cm cy. Fe-rich gravel ~20%, mnr wk mag. Mdb-tnb cm-gy cy layer @ bottom of pit w/ extensive bn stks, patchy og-cm blbs. | |
| D | RYP1021 | 0 | 0.2 | pl-bn gy | RLG | | | | 3 | 80 | | pis | | Lateritic soil w/ fe nodules 2-20mm. Common organics, little soil development. Metallic gy subrounded fe nodules coated in hm rd soil. Common blocks partially cemented pisolite. | |
| D | RYP1021 | 0.2 | 1.5 | og bn | RLC | | | | 15 | 85 | | mas | | Cemented amorphous laterite. Metallic gy, commonly weathered to og go. Mnr lgy silt w/ trace mi?, commonly filling cavities. Common og gravelly cy w/ scg sand. | |
| D | RYP1021 | 1.5 | 1.6 | rd og | RCLY | RLC | | | 50 | 50 | | bnd | | Rd-og sandy silt. Mg-cg sand. Hm rich amorphous laterite. Non-mag. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|-----------|-------|-------|-----------|------|-------|-----------|------------------|-------------|------------|--|--|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYPA0201 | 1.6 | 2 | og-gn | RLC | RCLY | | | 45 | 50 | | bnd bib | | Dgn-gy greasy cy (ex-sr?). Common og-rd fragments broken up cemented laterite. Common pebble-boulder sized broken up mw sr fragments. Common yw-cm blbs/bnds in gn-gy cy. | |
| D | RYPA0201 | 2 | 2.4 | dgy bn gn | RLC | | | | 10 | 80 | | mas | | Second band amorphous laterite. Hm, lm-rich. Patchy wk mag. | |
| D | RYPA0201 | 2.4 | 5 | bn-og | RLG | | | | 30 | 40 | | mas | | Bn-og clayey gravel. Rare cobble-sized fe-rich fragments, commonly wk-mod mag. | |
| D | RYPA0201 | 5 | 5.3 | og-bn | RCLY | | | | 100 | 0 | | bnd lam | | Lam-tnb cm-buff-bn cy. Lam cm cy bnds, tnb-mdb buff-dbn cy bnds. Mnt bnd hardened crust on top of cy layer. Patchy wk mag. Patchy bk-gy cy stks, mnr pk-rd cy stks, lam. | |
| D | RYPA0202 | 0 | 0.3 | rd-bn | RLG | | | | 5 | 90 | | | | Loose pisolitic gravelly laterite. Mixed w/ 10% clayey lat soil, organics. Subrounded fe nodules 2-30mm. | |
| D | RYPA0202 | 0.3 | 1.3 | rd bn | RLC | | | | 5 | 95 | | mas | | Cemented amorphous laterite. Bn-rd, mas. Patchy wk-mod mag. Patchy metallic gy, non-mag. Mnr lgy silt seam, 5-10 cm thick, silt commonly filling cavities. | |
| D | RYPA0202 | 1.3 | 2 | cm og rd | SILT | | | | 95 | 0 | | bnd plt | | Og-cm-rd bnd sandy silt. Lam-mdb rd bnds in og-cm silt. 5% fg sand. Mi rich, plt flakes to 0.5mm. | |
| D | RYPA0203 | 0 | 0.3 | dgy bn | RLG | | | | 15 | 50 | | | | Cgy lateritic gravel-soil. Common organics. Metallic gy subrounded fe nodules 2-15mm. Commonly wk-mod mag. ~15-20% dgy cy. Mnr cobble-sized fragments | |
| D | RYPA0203 | 0.3 | 0.8 | dgy og gy | RLC | | | | 20 | 80 | | mas | | Metallic gy amorphous cemented laterite. Commonly weathering to og go. Patchy wk-mod mag. Common gy sandy silt, often filling cavities. Fg sand ~10%. | |
| D | RYPA0203 | 0.8 | 1.6 | og-cm-rd | SILT | | | | 100 | 0 | | stk bnd lam | | Mas-bnd light og silt. Common lam-tnb bnds & stks dark og-og silt. Mnr organics. Mnr dgy silt blbs. Mnr dbn silty stks. Mnr mi flakes to 0.5mm. | |
| D | RYPA0301 | 0 | 0.9 | rd-bn | RLG | | | | 25 | 75 | | | | poorly sorted lateritic gravel consisting of sub-ang to well rounded clast's of he-mt and RLC. w/ larger cobbles and boulders of RLC (20%) in a gy-bn cy matrix + mnr organics. | |
| D | RYPA0301 | 0.9 | 1.6 | gy-og | RLC | RCLY | he | 15 | 70 | 30 | | | | mod cemented RLC- consisting og irreg nodules and stk's of mas he-go. w/ interstitial ferruginous cy. + network of branching anastomosing he-go veinlets. w/ more clay rich zones and patches. Relict corestones? | |
| D | RYPA0301 | 1.6 | 2.1 | cm-yw | RCLY | | | | 100 | 0 | | | | mas silty powdery cm-og RCLY w/ detrital mi. + stk og-rd ferruginous staining. | |
| D | RYPA0302 | 0 | 1 | dgy | RLG | | | | 25 | 75 | | | | poorly sorted gravel, cobbles and boulders of RLC and lesser he-mt-go clasts in a dgy cy matrix rich in organics and rootlets. | |
| D | RYPA0302 | 1 | 1.7 | gy-og | RLC | SILT | he-go | 20 | 35 | 65 | | | | gy-og silty cy moderately cemented by lenses, bnds and branching veins of mas he-go. mnr pisolites and he-go nodules. Boundary w/ unit above and below undulating. RLC pinches and thickens. Water stored within mnr vug's. Sig veins ≤25cm thick. | |
| D | RYPA0302 | 1.7 | 4.6 | og | RCLY | | he-go | 10 | 65 | 35 | | | | gravelly ferruginous cy consisting of pisolites+ nodules in a og fe-cy matrix. + sig he-go veins and mnr cemented lenses. Og cy: pisolites % varies. | pit stopped early dur to ground conditions and excavator limits. |
| D | RYPA0303 | 0 | 0.8 | dgy | RLG | | | | 20 | 80 | | | | v. poorly sorted gravel consisting of ang-rounded clasts of he-mt-go, w/ 15% transported sub ang RLC cobbles in a gy cy matrix. | |
| D | RYPA0303 | 0.8 | 2.1 | yw-cm | RCLY | | | | 100 | 0 | | | | og-puggy cy w/ fe staining + interbands of og-cm micaceous silty cy. + abundant rootlets (rare he coating on roots). | |
| D | RYPA0304 | 0 | 0.3 | gy-rd | RLG | | | | 45 | 55 | | | | cy rich lateritic gravel in a organic rich cy matrix. Clasts composed of he-mt gravel + RLC cobbles. | |
| D | RYPA0304 | 0.3 | 0.9 | gy og | SILT | RLC | he | 10 | 70 | 30 | | | | gy silty cy w/ fe staining + lenses and bnd's of RLC. RLC composed of irreg nod + mas he-go undulating bnds. w/ interstitial gy cy. + network od he-go veinlets. | |
| D | RYPA0304 | 0.9 | 2 | yw rd og | RCLY | | he | 0.1 | 100 | 0.1 | | | | cm silty RCLY w/ mnr mi + strong blt og-rd ferruginous staining. Rare he-go veinlets @ SOI. Bedding difficult to define. | |
| D | RYPA0305 | 0 | 0.4 | rd-bn | RLG | | | | 20 | 80 | | | | sub-ang to rounded clasts ≤1.7cm. Consisting of he-go-mt in an organic-ferruginous cy matrix. Poorly sorted grains and rootlets. + mnr cobbles of RLC (sub-ang). Undulating boundary w/ unit below. | |
| D | RYPA0305 | 0.4 | 1 | gy-og | RLC | | he-go | 10 | 30 | 70 | | | | irregular mas he-go blobs, nodules, bnd's and veins. w/ interstitial gy-og silty cy. Very hard. Pinches towards the west. Water stored in vugs. | |
| D | RYPA0305 | 1 | 2 | cm-yw | RCLY | | | | 100 | 0 | | | | silty cm-og cy + detrital wt mica. w/ og-fe staining. Bedding/banding tnb-flat lying. | |
| D | RYPA0306 | 0 | 0.5 | rd-bn | RLG | | | | 15 | 85 | | | | very poorly sorted gravelly laterite, consisting of he-mt sub ang to rounded clasts within a hematitic-organic cy matrix. + 30% cobbles of RLC. Undulating boundary w/ unit below. | |
| D | RYPA0306 | 0.5 | 2.1 | rd-bn | RCLY | | he | 0.5 | 100 | 0.5 | | | | silty bnd lam-tnb og-cm silty cy w/ v.sfg detrital mica. Bedding 0° parallel w/ ground surface. Lacustrine sed? Rare he veins // to bedding | |
| D | RYPA0401 | 0 | 0.4 | dgy-lgy | S | | | | 20 | 25 | | | | dgy-lgy transition through silty cy-silt-rich gravelly horizon. Minor rounded magnetic gravels & several large broken go-lm cemented cobbles. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|---------|------------|---|----------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0401 | 0.4 | 0.9 | cm-yw-lgy | SILT | | | | 20 | 0 | mi 0.5 | stk | | cy-silt--very fine sand w/ cm-yw-lgy streaks. Nonmagnetic. finely micaceous-gn-wt ml. Several small rootlets. | |
| D | RYP0401 | 0.9 | 2.3 | og-bn | RCLY | | | | 98 | 2 | | | | og-bn RCLY w/ trace bk-dbn go veins + nodules. Nonmagnetic except for nodules with weakly magnetic mt-go patches in there og-rd cy cores. | |
| D | RYP0402 | 0 | 0.4 | dbn-gy drd | RLG | | | | 5 | 95 | | | | mod. Sorted coarse sand-coarse gravel; mod. Spherical he-mt RLG. Minor lm-go cemented nodular cobbles of gravel aggregates. Mod. Magnetic. | |
| D | RYP0402 | 0.4 | 1.2 | dbn-rd-og | RLC | SILT | | | 5 | 60 | | lam | | dbn mod. Void-rich go-he RLC w/ weakly magnetic lgy silt prominent in some layers and og-yw cy in others. Lam bands of og (lm), dbn (go) & gy (silt) toward BOI. | |
| D | RYP0402 | 1.2 | 2.3 | og-bn-dyw | RCLY | | | | 100 | 0 | | | | og-bn-dyw RCLY w/ dbn streaks dyw-gy toward base of pit were dyw cy is waterlogged. Water filling pit from base. | |
| D | RYP0403 | 0 | 0.9 | gy-bn-drd | RLG | | | | 50 | 50 | | | | gy gravelly silty cy w/ mnr he-mt gravel + abundant boulders and cobbles of RLC (60%), sub ang clasts (≤1.3m). | |
| D | RYP0403 | 0.9 | 2.2 | og-bn | RCLY | RLC | he | 10 | 60 | 40 | | | | og ferruginous cy groundmass w/ lenses and bnd's of cemented laterite. + mas go-he veins. he\|dp. Rare rounded pisolite horizons in a cy matrix. + mas sub ang he clast's. | |
| D | RYP0403 | 2.2 | 2.5 | yw | RCLY | | he | 5 | 95 | 5 | | | | silty yw-gn RCLY. Mas w/ mnr veins of he. | |
| D | RYP0404 | 0 | 0.3 | rd-bn | RLG | | | | 40 | 60 | | | | cy rich gravel. V. Poorly sorted. Mnr sub-ang to rounded clast's of he-mt. Abundant angular cobbles of cemented laterite + organics. | |
| D | RYP0404 | 0.3 | 1 | gy-og rd | RLC | RCLY | | | 70 | 30 | | | | v.hard cemented laterite w/ mnr interbands of incohesive RLG. RLC consists of og-rd ferruginous cy w/ mas he-go nodules + undulating bnd's and blb's of he-go cementing the unit. Rare pisolitic cemented bnd's/ | |
| D | RYP0404 | 1 | 2 | yw-wt | RCLY | | | | 99 | 1 | | | | silty wt-yw tnb-tkb cy w/ interbands of puggy yellow cy. Lacustrine? Rare pisolites in cy matrix @ SOI. | |
| D | RYP0501 | 0 | 0.7 | drd-bn-gy- | RLG | | | | 5 | 95 | | | | angular-subangular, semi-spherical, pisolite-bearing, coarse sand - gravel, he-mt loose laterite. Clean at top w/ minor increase in y% dh. Minor lm-cemented cobbles. | |
| D | RYP0501 | 0.7 | 1 | dbn-bk gy- | RLC | SILT | | | 10 | 50 | silt 50 | stk | | irregular & discontinuous go-lm-mt cemented nodules up to boulder-sized, underlain by gy, weakly magnetic silt w/ go-lm cemented streaks + veins. Transition through gy-yw-og colouration to weakly undulating lower contact. | |
| D | RYP0501 | 1 | 2.1 | og-bn yw | RCLY | | | | 98 | 1 | | | | weakly magnetic RCLY w/ minor nonmagnetic bk streaks & yw-og patches. Pod of gy-bn cy-silt w/ rd he-staining near bottom of pit. | |
| D | RYP0502 | 0 | 0.3 | gy-bn-drd | RLC | RLG | | | 40 | 60 | | | | soily gravel laterite composed of fine angular mt-he gravel w/ coarser cemented gravel aggregates + minor cobbles. Numerous roots. Thin gy--yw gravelly cy transition at BOI, underlying thin discontinuous go-lm cemented layer. | |
| D | RYP0502 | 0.3 | 1 | gy-dn-dyw | RCLY | | | | 90 | 10 | | stk | | stk gy-bn + dyw cy w/ minor-mod. Go-lm cemented zones & nodules. Diffuse & undulating lower contact. | |
| D | RYP0502 | 1 | 2.1 | rd-og-bn-y | RCLY | | | | 95 | 5 | | stk | | Streaky rd, bn + yw cy w/ minor mt stk + veins assoc. rd staining. Minor void spaces assoc. minor go veins. | |
| D | RYP0503 | 0 | 0.6 | drd--bn-gy | RLG | | | | 1 | 99 | | pis | | subangular, coarse sand - gravel & pisolitic mt-he w/ minor lm-cemented cobbles-boulders bearing mod. Void space. | |
| D | RYP0503 | 0.6 | 2.1 | drd-dbn-og | RLC | | | | 7 | 80 | inc. 5% mt | pis stk | | variably lm-go cemented RLC w/ mt pis near top. Becomes more amorphous dh w/ stk dbn go in lm w/ mod. Void space ≤10%. Rd-gy silt partings near TOI w/ mt pis. Toward Boi void-rich go-veining encases soft gy clay-silt w/ minor lm-go nodules. Water seep at | |
| D | RYP0503 | 2.1 | 4.7 | gy-og-dbn- | SILT | RLC | go-lm | | 10 | 40 | 50% silt | stk | | nonmagnetic gy silt w/ numerous streaks, veins and cobble-boulder sized nodules of mixed lm-go, inc. some semi-spherical smooth boulder-sized nodules. Nonmagnetic bk spk (mn?) in bn lm-go in places. | |
| D | RYP0503 | 4.7 | 5 | og-rd-dyw | RCLY | | go | 0.5 | 95 | 5 | | stk spk | | irregular transition to RCLY. Cy w/ minor lm-cemented nodules + trace bk go veins. | |
| D | RYP0504 | 0 | 0.3 | dbn dgy | RLG | | | | 0 | 95 | | pis | | Moderately sorted subangular-subrounded partly pisolitic (transported) coarse sand-coarse gravel. Very clean hm-mt±go weak-mod magnetic loose laterite. Mnr larger cobbles of hm-go±lm cemented gravel and lesser amorphous Fe oxide (go±lm) irregular fragment | |
| D | RYP0504 | 0.3 | 1.1 | drd dbn | RLC | | go-mt-hm | | 20 | 75 | | pis | | Variably wk-mod magnetic go-hm-mt, variably gravelly amorphous well-cemented but brittle laterite. Variable void space partially filled with yw-og lm-stained silty cy. Mnr lenses of gy silt toward base of interval. Trace angular qz coarse sand. | |
| D | RYP0504 | 1.1 | 1.3 | gy og-dbn | SILT | RLC | go-lm | 30 | 1 | 35 | 65 | stk | | Non-magnetic gy yw silt w/ numerous dbn go & bn-yw lm veins + streaks. Some lm-cemented cy silt nodules encased in mm-scale skin of go. Mnr pis texture to some bnds? | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|---------|------------|--|---|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0504 | 1.3 | 2.3 | og-yw bn g | RCLY | | go-lm | 1 | 95 | 5 | | stk dis | | Variable og-dwy + yw-rd cy w/ mnr gy lenses, becoming more homogenous dyw RCLY dh. Non-magnetic w/ mnr dgn-bk cy alt sand flecks + mnr go-lm veins + weakly cemented nodules. Fe veins etc much deeper on E side of pit than the other. | |
| D | RYP0505 | 0 | 0.6 | dgy-bk-dbn | RLG | | | | 1 | 99 | | pis | | nodular-pisolitic, fairly clean he-mt loose laterite gravel. Semi-spherical, subangular-subrounded. Mod. Lm (og-bn) clast component. Moderately sorted w/ several large cobble - boulder - sized, void rich, cemented gravel aggregates. Minor increase in cy% | |
| D | RYP0505 | 0.6 | 1 | gn-cm-wt-o | USERP | | | | 2 | 5 | | slk | | blocky weakly cy-alt, mod. Magnetic, semi-translucent USERP. | |
| D | RYP0506 | 0 | 0.6 | drd-bn-og | RLG | | | | 40 | 60 | | | | weakly magnetic coarse sand-gravel, subrounded-angular, subspherical he-mt w/ increasing he-mt% dh. | NB: large lm-cemented RLC boulders nearby but not in pit. |
| D | RYP0506 | 0.6 | 1.9 | og-bn | RCLY | | | | 95 | 3 | inc. 3% mt | stk lam | | clay w/ magnetic dgy-dgn streaks, minor yw patches & lam horizons toward BOI | |
| D | RYP0506 | 1.9 | 2.2 | cm-yw-gy-o | USERP | | | | 90 | 0 | 0.5% mt | stk | | irregular contact w/ recognisable USERP. Highly weathered chippy blocks. Weakly magnetic bk+og+yw liesegang-like stk. | |
| D | RYP0507 | 0 | 0.5 | drd-bn-og | RLG | | | | 50 | 50 | | | | soily laterite w/ angular-subrounded mt-he gravel decreasing dh to 100% cy. Numerous roots + minor charcoal = disturbed horizon? | |
| D | RYP0507 | 0.5 | 1.5 | og-dbn yw | RCLY | | | | 95 | 5 | | | | motly og-bn + yw cy w/ fine dis + short streaks of mt making cy weakly-magnetic in places. Highly weathered USERP? | |
| D | RYP0507 | 1.5 | 2 | cm-gn yw-o | USERP | | | | 80 | 0 | | | | mw USERP w/ minor recognisable chippy cy-alt fragments amongst og cy steaks + patches. Very weakly magnetic. Rapidly gives way dh to blocky ww USERP. NB: upper contact undulates over ~40cm and dips N. | |
| D | RYP0508 | 0 | 0.6 | rd bn | RCLY | RLG | | | 60 | 30 | | pis bnd | | thin surface soil layer of angular he-mt gravel. Rapidly giving way to gy, then rd-bn cy w/ gravel-like texture that crumbles between fingers. Very weakly magnetic w/ magnetism decreasing dh. | |
| D | RYP0508 | 0.6 | 1.6 | og-bn yw | RCLY | | | | 97 | 3 | | stk | | patchy yw cy in og-bn nonmagnetic RCLY w/ trace dbn-bk go veins (magnetic in places). | |
| D | RYP0509 | 0 | 0.6 | rd-bn | RCLY | RLG | | | 80 | 20 | | | | minor layer of laterite gravel assoc. soil layer. ~10cm rapidly giving way to rd-bn RCLY w/ mod. Hard clasts but no gravel. | |
| D | RYP0509 | 0.6 | 1.7 | rd-bn-yw | RCLY | | | | 100 | 0 | | stk | | incoming lyw-yw stk rd-bn & yw (60:40) | |
| D | RYP0509 | 1.7 | 2 | yw rd-bn-b | RCLY | | mt-go-he | 1 | 99 | 1 | | | | yw-dominant RCLY w/ rd-bn streak & minor magnetic bk-bn cemented sub-cm veins. Some large cobble-sized rd-bn patches = ex-clasts | |
| D | RYP0510 | 0 | 0.8 | dgy-bn gy | RLG | SILT | | | 5 | 25 | | bnd | | Sequence of thin layers: ~10-20cm soily organic-rich laterite gravel underlain by silver gy subangular, mod-spherical mod. Sorted gravel. In turn underlain by 20-40cm gy silt w/ fine sand-silt mt ~5-10%. Underlain by lyw silty cy. | |
| D | RYP0510 | 0.8 | 1.6 | og rd-bn y | RCLY | | | | 90 | 10 | | stk spk | | graded transition to og-yw-rd-bn RCLY w/ lyw-gn patchy streaks of relict mw USERP appearing 20cm from upper contact. Vfg mt making clay weak-mod. Magnetic. NB: contact dipping downslope ESE. | |
| D | RYP0511 | 0 | 0.5 | dog rd-bn | RCLY | RLG | | | 70 | 25 | | mas | | ~10cm thick top layer of he-mt gravel rich in soil+organics, underlain by silty clay w/ minor magnetic he-mt subangular gravels (15-20%) decreasing dh. | |
| D | RYP0511 | 0.5 | 1.1 | lgn dgy og | USERP | | | | 10 | 0 | | | | irregular contact w/ ww lgn-dgy USERP; blocky cy-alt + crumbly where distrubed by excavator. Very weakly magnetic. | |
| D | RYP0601 | 0 | 0.3 | drd-bn | RLG | | | | 40 | 60 | | | | soily laterite w/ subangular coarse sand-gravel w/ poor sphericity. Numerous roots. | |
| D | RYP0601 | 0.3 | 1.1 | gn-gy | USERP | | | | 0 | 0 | | | | ww blocky jointed serpentinite w/ laterite soil & cy-weathered serpentinite infilling between loose blocks | |
| D | RYP0602 | 0 | 0.7 | drd-bn-gy | RLG | | | | 40 | 40 | | | | weakly magnetic coarse sand and cemented nodular angular cobbles of he-mt w/ sig. adhering cy-soil. Numerous rootlets. | |
| D | RYP0602 | 0.7 | 2.7 | dog-yw-rd- | RCLY | | | | 0 | 0 | | | | irregular and discontinuous shiny iron cap(go?) ~1cm thick w/ dendritic subvertical veins extending down through underlying clay. Minor gravels and weakly lm-cemented decreasing rd-og and increasing yw colouration dh. All nonmagnetic. | |
| D | RYP0603 | 0 | 1.3 | gy-drd | RLG | | | | 5 | 95 | | pis | | soily, root-rich, loose laterite composed of coarse sand-cobbles w some pisolites. Poorly sorted w/ cobble aggregates + minor boulders. | |
| D | RYP0603 | 1.3 | 1.7 | gy og | RLC | | | | 40 | 60 | | | | variably lm±go-he-mt cemented bouldery laterite, crumbling to silt-gravel in places. Weakly magnetic in places. Irregular and undulating lower contact over 25-40cm thick. | |
| D | RYP0603 | 1.7 | 2.4 | og rd-og | RCLY | RLG | go | 0.5 | 85 | 15 | | stk | | clay w/ minor gravel aggregate component at the top, becoming stk og + rd-og clay to base of pit. | NB: old pit nearby; possible upper profile disturbance |
| D | RYP0604 | 0 | 0.6 | drd dgy | RLG | | | | 5 | 95 | | | | angular coarse sand-small cobble, poorly sorted loose silver-dgy (when clean) he-mt laterite w/ variable non- to weakly magnetic clasts. Minor small subrounded pisolites (nonmagnetic). Some larger chunks of go-lm cemented gravel aggregates. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|-------------|------------|--|--|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0604 | 0.6 | 1.1 | gy og | RLG | SILT | lm go | | 10 | 25 | | | | weakly & irregularly nodular og go-lm cemented gy clay-silt w/ sig. fin sand mt component. Irregular basal contact & diffuse/graded upper contact. | |
| D | RYP0604 | 1.1 | 2.1 | og yw | RCLY | | go | | 95 | 5 | | stk | | og & patchy yw cy w/ several angular coarse sand mt grains making cy weakly magnetic. Minor bk-dbn go veins and yw cy streaks. | |
| D | RYP0605 | 0 | 0.7 | drd-gy-bk | RLG | | | | 3 | 95 | | | | weak-moderately magnetic he-mt, moderately well sorted, poor-moderately spherical, coarse sand-gravel laterite. Minor larger og lm-cemented gravels. Numerous roots. | |
| D | RYP0605 | 0.7 | 1.1 | gy og | SILT | RLC | go-lm | 5 | 2 | 15 | | stk | | gy silt w/ minor cy component. Nonmagnetic w/ sig. of-rd lm-cemented nodules & go-lm cemented stk veins. Some large yw lm-cemented and drd-bn go veining. | |
| D | RYP0605 | 1.1 | 2 | og rd dbn- | RCLY | | go | 1 | 95 | 5 | | stk | | og cy w/ sig. rd patches & streaks corresponding to weakly magnetic areas & often assoc. dbn-bk go veins & lam. | |
| D | RYP0606 | 0 | 0.8 | drd-bn-bk | RLG | | | | 1 | 99 | | pis | | mod. Magnetic, mod. Sorted, angular-subangular, poorly spherical, loose he-mt gravel laterite. Minor platy amorphous lm-cemented cobbles. Mod. Roots w/ minor soil component. Minor nodular pisolites. | |
| D | RYP0606 | 0.8 | 1.3 | gy og | SILT | RLC | | | 1 | 10 | | | | nonmagnetic gy clay-silt w/ og-dyw lm-cemented stk + nodules. Increasing og colouration dh w/ minor dbn go-cemented irregular cap at lower contact in places. | |
| D | RYP0606 | 1.3 | 2.2 | og-lbn dyw | RCLY | | | | 100 | 0 | | | | nonmagnetic og-dyw variously sticky-crumbly clay. Minor lyw angular cy-alt clasts. | |
| D | RYP0607 | 0 | 0.8 | drd-dgy | RLG | | | | 3 | 97 | | pis | | mod. Magnetic, angular, coarse sand-gravel, loose laterite w/ minor go+lm cemented angular cobbles. Silvery dgy w/ drd cy stain. Miny shiny silver pisolitic mt-he. | NB: lower contact has apparent dip ~45/SW, toward corner of pit. |
| D | RYP0607 | 0.8 | 1.2 | gy og yw | SILT | RLC | | | 0 | 0 | | stk | | Variable 0.2-0.4m thick, weakly cemented gy cy-silt w/ numerous og-yw lm streaks. Nonmagnetic. Underlying cemented og layer of cy-silt giving way to cy beneath. Discontinuous & irregularly cemented nodules in cy horizon w/ mt-go clasts re-cemented in plac. | |
| D | RYP0607 | 1.2 | 2 | og-bn og-y | RCLY | | mt-go | 0.1 | 95 | 2 | | stk | | irregularly og-bn + og-yw cy, weakly magnetic in places due to minor fine mt grains. Minor mt-go bk-dbn discontinuous veins. | |
| D | RYP0608 | 0 | 1.1 | drd -dgy | RLG | | | | 5 | 95 | | | | mod. Magnetic, silvery dgy-bk, angular-subangular, moderately spherical, moderately sorted loose mt-he gravel. Moderate roots. Lower contact varying in depth over ~0.8m from 0.5-1.3m deep in a trough-like shape with one steep side and one sloping side. | |
| D | RYP0608 | 1.1 | 1.3 | gy og | RLC | | | | 5 | 25 | | | | highly irregular interval 0.2-0.4m thick. ~5cm thick lgy silty layer w/ platy lm cement at base of gravels; weakly magnetic due to fine sand mt-in situ pisolitic? Underlain by successively og→yw lm-cemented clay, grading into underlying soft og clay of ne | |
| D | RYP0608 | 1.3 | 2.2 | og dbn | RCLY | | | | 100 | 0 | | | | rich og silty clay; crumbly, but sticky on handling. Minor diffuse yw patches, but otherwise massive. | |
| D | RYP0608 | 2.2 | 2.3 | gn-cm og | USERP | | | | 10 | 5 | | | | ww blocky USERP regolith encased in og clay (as previous). Weakly magnetic. | |
| D | RYP0609 | 0 | 0.4 | pl-bn dgy | RLG | | | | 5 | 80 | | | | Metallic gy subangular-subrounded fe nodules in bn-pl soil. Lateritic gravel/soil. Wk-strongly mag nodules 2-12mm. Common organics. | |
| D | RYP0609 | 0.4 | 0.8 | bn rd | RLG | | | | 10 | 90 | | mas | | Bn rd to dgy-bk lateritic gravel in bn-rd cy. Thickness varies - undulating contact. Gravel is wk-strongly mag. Mnr cobble sized fragments cemented laterite. | |
| D | RYP0609 | 0.8 | 1.4 | gy bn | RLC | | | | 5 | 95 | | mas | | Gy-bn cemented amorphous laterite. Dgy fe weathering to og-bn. Dgy metallic commonly occurs as anastomosing "veins". Common cavities. Mnr lgy silt filling interstices. | |
| D | RYP0609 | 1.4 | 3 | bn og rd | RCLY | RLG | | | 60 | 40 | | stk | | Bn-og-rd cy dom. Dgy-metallic fe gravel, occ cobble sized clasts. Wk-mod mag. Cy has pl stks - weathered fe. Patchy mnr gy-bn cy. | |
| D | RYP0609 | 3 | 4 | bn yw | RCLY | | | | 100 | 0 | | mas | | Bn-yw mas cy. Mnr "clasts" slightly less weathered - xw bn-yw rock. | |
| D | RYP0610 | 0 | 0.4 | pl-bn | RLG | | | | 5 | 80 | | pis | | Metallic gy pisolitic gravel. Subangular-subrounded fe nodules 2-15mm. Common organics. Dom bn cy, mnr gy cy. Fe nodules wk-strongly mag. | Depths, particularly lower depths are rough estimates only. |
| D | RYP0610 | 0.4 | 1.4 | og gy | RLC | SILT | | | 15 | 85 | | blb | | Og weathered amorphous laterite. Common cavities. Wk-mod mag throughout. Patchy extremely weathered lgy vesicular(?). Crumbles to silt. Bn-og fe-rich veins. Patchy wk-mod mag. | |
| D | RYP0610 | 1.4 | 3.5 | og bn rd | RLC | RLG | | | 30 | 40 | | | | Og-bn gravelly cy w/ sig cobble-boulder sized fragments amorphous laterite w/ common cavities. Mnr cobble-sized cemented metallic gy fe nodules. Clast supported, weathered rd-og gravel. Amorphous laterite fragments weathered rd-og. Common gravel-cobble s | |
| D | RYP0610 | 3.5 | 5 | og yw bn | RCLY | RLG | | | 70 | 20 | | | | Og-yw bn cy. Patchy bk cy stks, bn cy blbs. ~20% gravelly laterite. Wk-mod mag fe-rich gravel. Cy patchy wk-mod mag. | |
| D | RYP0610 | 5 | 5.9 | og yw gy | RCLY | | | | 95 | 5 | | stk blb bit | | Og-yw cy w/ common gy bit, blbs which have cm stks. Patchy mnr rd cy bit. Mnr bk-bl stks relict mt. Ex-sr cy w/ relict mt in relict joints? | |
| D | RYP0611 | 0 | 0.2 | dbn bn | RLG | | | | 5 | 70 | | | | Dbn lateritic soil. Common organics. Mnr cemented pisolite fragments | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|---------|------------|--|----------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0611 | 0.2 | 0.5 | gn bl og | USERP | | | | 0 | 0 | | | | Mw mas serpentinite. Gn-bl sr weathering to yw-og. 5% acc mt patchy throughout. Mnr slk. Mt joint fill common, veins. Mnr organics penetrating upper layer of sr. | |
| D | RYP0701 | 0 | 0.75 | rd gy | RLG | | | | 5 | 95 | | | | he-go-mt gravels consisting of ang-sub rounded clasts w/ fe-cy coatings on fragments. Mnr cobbles and boulders of cemented laterite. | |
| D | RYP0701 | 0.75 | 2.5 | og bn | RCLY | | he | 0.5 | 98 | 2 | | | | semi-mas yw-bn RCLY w/ metallic-hematitic cty stk's. Rd clay coats rootlets. Rare he veins. | |
| D | RYP0702 | 0 | 0.5 | gy-rd | RLG | | | | 10 | 90 | | | | he-mt-go lateritic gravel. w/ organic-fe rich clay coating. + ang cobbles and boulders of well cemented RLC. Sig rootlets. | |
| D | RYP0702 | 0.5 | 2.2 | rd-gy | RLC | | he-go | 30 | 25 | 75 | | | | RLC= mas bnds, lenses and veins of he-go w/ interstitial ferruginous cy. + large clats of RCLY. Lm-he w/ thick he coatings ≤3cm. Sub vetical veins to ground surface. | |
| D | RYP0702 | 2.2 | 3.3 | rd-gn | RCLY | | he-go | 15 | 85 | 15 | | | | og-gn stk RCLY w/ network of he-go veins. | |
| D | RYP0703 | 0 | 0.7 | gy-rd | RLG | | | | 5 | 95 | | | | he-go-mt gravels, sub-ang to rounded, 0.2-1.5cm. Mnr fe-cy component. + abundant RLC cobbles (ang-sub ang), mnr boulders (≤1.3m) + sig rootlets. | |
| D | RYP0703 | 0.7 | 2.4 | rd-bn | RLC | | he-go | 30 | 15 | 85 | | | | nodules and bnd's of conc he-go interjoin to cement laterite. + interstitial ferruginous cy. Vuggy where cy has been washed out. Nodules mas, ±cy coating. | |
| D | RYP0703 | 2.4 | 3.4 | og rd gy | RCLY | | he-go | 5 | 90 | 10 | | | | og-bn gritty RCLY w/ gn-gy interbands. + netowrk of he veins. Rare amorphous he lenses. Gn-gy represents lesser weathered USERP. Coated by he. | |
| D | RYP0704 | 0 | 1.1 | drd-dog | RLG | | | | 30 | 70 | | | | fine laterite gravel w/ sig. drd cy matrix. Minor coarse amorphous he-lm angular cobbles. Weakly magnetic. | |
| D | RYP0704 | 1.1 | 2 | dyw-rd-bn- | RCLY | | | | 80 | 20 | | | | dyw-rd-bn RCLY becoming increasingly yw dh, w/ streaky bk + dbn-rd Fe-rich (he-go?) layers and veinlets weakly cemented. | |
| D | RYP0705 | 0 | 2 | drd-bn-gy | RLG | | | | 4 | 95 | qz 1 | | | weakly magnetic he-mt coarse sand-gravel laterite w/ minor cobbles and trace rounded og-stained qz-sand grains. Laterite consists of anular-subrounded, moderately spherical clasts w/ minor drd-bn cy. >gy colour where drier near top of pit. | |
| D | RYP0705 | 2 | 2.5 | dog-yw | RCLY | | | | 80 | 20 | | | | dog-rd-bn-yw cy w/ minor laterite gravel component near top diminishing dh. Minor drd he-lm cemented nodules. | |
| D | RYP0706 | 0 | 1 | drd-bn-gy | RLG | | | | 5 | 95 | | | | increasingly poorly sorted loose gravel laterite w/ increasing coarser gravel component dh; angular-subrounded he-mt gravels w/ minor drd cy coating | |
| D | RYP0706 | 1 | 2.3 | dog-bn | RLG | | | | 70 | 30 | | | | variably angular-subrounded, often nodular he ± trace mt gravels w/ dog silty cy. Increasingly poorly sorted w/ increasing coarser gravel component dh. Minor amorphous bk go-lm cemented angular cobbles w/ cy-filled voids | |
| D | RYP0706 | 2.3 | 2.7 | dyw-bn-drd | RCLY | | | | 90 | 10 | | | | dyw-bn RCLY w/ minor subangular-subrounded go-lm-he gravel clasts and minor platy bk go-lm-he gravel. Minor very faintly magnetic grains. | |
| D | RYP0707 | 0 | 0.4 | gy-drd-bn | RLG | | | | 30 | 70 | | | | variably 0.4-0.6m thick angular-subrounded, moderately spherical he-mt gravels, some w/ rounded sand-sized void spaces. Sig. organic bn cy component & numerous roots. Minor pisolites? | |
| D | RYP0707 | 0.4 | 0.7 | og-drd | RLG | | | | 50 | 50 | | | | variably 0.15-0.3m thick layer of subrounded he-gravels (rarely weakly magnetic) in lm-cy-rich matrix w/ minor weakly lm-cemented cobbles composed of rounded coarse sand grains in cy matrix. | |
| D | RYP0707 | 0.7 | 1.1 | drd-bk | RLG | | | | 10 | 85 | | | | variably 0.15-0.3m thick layer coarse gravel-cobble, poorly spherical, subangular-subrounded he gravel laterite. Nonmagnetic. Fine cy-coarse sand matrix. | |
| D | RYP0707 | 1.1 | 1.4 | gy-yw-og-b | RLC | | | | 10 | 60 | | stk | | thin, undulating layer 0.2-0.3m thick of lm-go cemented coarse sand-fine gravel w/ bk-drd lm-go veinlets and mineralised rims around cobble-sized clasts of cemented gravel aggregate. Forms a distinct pale layer as coated in fine gy-lyw silty clay | |
| D | RYP0707 | 1.4 | 2.3 | drd-bn-og | RLG | RCLY | | | 80 | 20 | | | | drd-bn-og cy encasing lesser subangular-subrounded he-lm coarse sand, he gravel and minor mt clasts. Variable poor clast sphericity. | |
| D | RYP0707 | 2.3 | 2.5 | yw-bn | RCLY | | | | 100 | 0 | | fol stk | | nonmagnetic, weakly foliated and faintly chippy yw-drd-bn cy w/ minor bk streaks in criss-cross patterns. Minor rd streaks. | |
| D | RYP0708 | 0 | 0.6 | gy-rd-bn | RLG | RLC | | | 30 | 70 | | | | mt-rich mt-he gravel laterite; silvery bk subrounded coarse sand-gravel w/ minor platy or cemented gravel aggregate cobbles. Minor large platy cemented laterite boulders | |
| D | RYP0708 | 0.6 | 0.9 | gy-og | RLC | | | | 45 | 50 | | | | motty & irregularly lm-cemented band of gy fine sandy cy w/ several voids. ~50% lm, 45% cy and 5% void space. | |
| D | RYP0708 | 0.9 | 1.9 | og-drd | RCLY | RLG | | | 50 | 50 | | | | normally graded lm-he-mt gravelly og Fe-rich cy w/ gravel % decreasing dh. Minor boulder-sized patches of cy after vw USERP clasts. Minor very weakly magnetic silvery-bk mt--he fine gravel. | |
| D | RYP0708 | 1.9 | 3 | og-yw-gn-b | RCLY | | | | 80 | 5 | | | | RCLY after USERP? Weakly magnetic, flaky textured/foliated cy. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|-------------|------------|---|--|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYPA0709 | 0 | 0.9 | drd-bn-og | RLG | | | | 80 | 20 | | | | ~10% lateritic patchy gravels in Fe-rich cy-soil w/ sig. roots, minor magnetic gravels + minor weakly cohesive gravelly laterite chunks encased in gravel-free Fe-clay. | |
| D | RYPA0709 | 0.9 | 2 | gy-lgn-og | USERP | | | | 0 | 0 | | | | weathered blocky serpentinite w/ large V-shaped ex. Cy-alt tongue extending down from thin layer at base of RLG. Weakly magnetic and crumbly. (NB: sample of each lith) | |
| D | RYPA0710 | 0 | 0.3 | drd-bn | RLG | | | | 70 | 30 | | | | Fe-rich cy-soil w/ sig. roots, lesser fine he sand w/ rare fine gravel, pisolites? Weakly magnetic (5-10% mt) as silvery-bk ww subrounded gravels. | |
| D | RYPA0710 | 0.3 | 0.6 | bn-lyw-gn | USERP | RLG | | | 40 | 0 | | | | intermixed mw USERP and bn mod Fe-rich cy. | |
| D | RYPA0710 | 0.6 | 1.4 | gy-lgn-og | USERP | | | | 0 | 0 | | | | blocky frc serpentinite w/ channel-like feature containing patchy og-bn cy-rich areas of cy-alt crumbly serpentinite | |
| D | RYPA0710 | 1.4 | 1.6 | gy-gn-og | USERP | | | | 0 | 0 | | | | ww blocky serpentinite | |
| D | RYPA0801 | 0 | 0.6 | rd-gy | RLG | | | | 10 | 90 | | | | rd-gy gravel consisting of sub-ang to rounded clasts of he-go-mt + mnr gy cy coating. | |
| D | RYPA0801 | 0.6 | 0.7 | gy | RLC | | he-go | 10 | 60 | 40 | | | | cemented pisolites in a gy cy matrix w/ discont bnd's of he-go. | |
| D | RYPA0801 | 0.7 | 2.4 | og-bn | RCLY | | he-go | 2 | 85 | 15 | | | | og-bn mas RCLY w/ scattered ifg x'stals of ?fe(OH) ₂ . minor cemented lenses. Rare pisolitic bnd's @ Sol. Mnr mas he-go veins. | |
| D | RYPA0802 | 0 | 0.4 | rd-gy | RLG | | | | 5 | 95 | | | | gy-rd he-go-mt lateritic gravel consisting of sub ang to rounded clasts w/ hematitic cy coating on grains. + 10% cobbles and boulders of ang RLC . Undulating boundary with unit below. | |
| D | RYPA0802 | 0.4 | 3.4 | og-gy | RLC | | he-go | 5 | 30 | 70 | | bnd pis | | cemented laterite consisting rounded nodules, rare pisolites w/ interstitial og cy. Cemented together by abundant bnd's and lenses of mas he-go. rare gy-gn cy weathered blb's of USEP w/ fe coating (?protects from further weathering). Mnr vugs w/ go coating. | |
| D | RYPA0802 | 3.4 | 4.1 | og-bn | RCLY | | he-go | 2 | 85 | 15 | | mas stk grn | | mas og RCLY w/ hematitic stk's of rd-metalic cy. He-go veins. + scattered ? Go x'stals. | |
| D | RYPA0803 | 0 | 0.8 | rd-gy | RLG | | | | 5 | 95 | | | | lateritic gravel consisting of ang-rounded clasts. mnr hematitic cy coatings on he-go-mt clasts (mod mag). w/ 20% cemented cobbles and boulders of sub-ang to ang RLC. | |
| D | RYPA0803 | 0.8 | 2.5 | og-bn gy | RLC | RCLY | he-go | 20 | 50 | 50 | | | | gravelly RCLY- pisolitic. w/ lenses and bnds of RLC. RLC consists of stk bnd's of mas he-go, mnr he nodules + interstitial ferruginous cy. He veins throughout (≤4cm thick) cy↑dp. | |
| D | RYPA0803 | 2.5 | 3.5 | og bn | RCLY | | he-go | 5 | 85 | 15 | | | | og-gn RCLY w/ mnr pisolites @ SOL. + network of he veins (≤2cm thick) .gn gy increases dh ?weathered insitu USERP. | |
| D | RYPA0804 | 0 | 0.9 | dbn-drd | RLG | RCLY | | | 20 | 75 | | | | RLG coated in cy. Moderately magnetic mt component. Minor chunks and blocks of RLC mixed in w/ RLG. RLC blocks are he-mt-go rich w/ widespread he-staining. Gradual change between this interval and RLC below. Poorly sorted - mostly medium grained gravel bu | |
| D | RYPA0804 | 0.9 | 3.1 | dbn-drd | RLC | RCLY | go | 5 | 40 | 60 | | | | Large blocks of RLC (he-mt-go) coated in clay. Massive competent blocks seen in pit wall, mostly made up of go (non-mag). Go-veining. Moderately sharp contact w/RCLY below. Clay content increases towards BOI. | |
| D | RYPA0804 | 3.1 | 4.5 | og-cm bn-r | RCLY | | | | 100 | 0 | | stk | | massive streaky clay. Og-cm w/ dbn streaks. Minor rd-bn streaks. Relatively hard clay - does not crumble in fingers easily. Minor streaky veinlets of dbn clay. | |
| D | RYPA0805 | 0 | 0.5 | rd-gy | RLG | | | | 10 | 90 | | | | ang-sub rounded gravel, clasts composed of he-go-mt. Mnr cy coating. + 20% cobbles and rare boulders of semi mas he-go RLC. | |
| D | RYPA0805 | 0.5 | 4 | yw og gy | RCLY | RLC | he-go | 2 | 70 | 30 | | | | RCLY w/ blocky bnd's and lenses of RLC. RCLY variably pisolitic. Dominantly gritty semi mas yw-bn RCLY w/ stk's of metallic hematitic cy. RLC ↓ dh. Mnr gn-gy @ EOI. He veinlets (≤2cm thick) . | Hole became to deep for small pad. Pit ended early |
| D | RYPA0806 | 0 | 0.8 | rd-bn | RLG | | | | 50 | 50 | | | | sub ang-rounded clasts of he-go (weakly mag-↓mt) in a hematitic cy matrix. →gravelly cy. + cobbles of RLC (20%) | |
| D | RYPA0806 | 0.8 | 1 | rd-gy | RLG | | | | 10 | 90 | | | | relatively clean gravel w/ ↓cy component. Sub-ang to angular clasts w/ mnr cy coating. Clasts ↑size↑angularity ↓cy than unit above. | |
| D | RYPA0806 | 1 | 2.3 | yw-bn | RCLY | | he | 1 | 90 | 10 | | mzn bnd | | well banded RCLY. Yw cy groundmass w/ rd hematitic stk's, + gritty bk RCLY bnds + scattered clusters of v.ifg gm x'stals of bk ?fe hydroxide. | |
| D | RYPA0807 | 0 | 0.3 | rd-bn | RLG | | | | 75 | 25 | | | | rd-bn soil w/ 25% he-mt gravel. + sig rootlets. Rare transported boulders of RLC and USERP. | |
| D | RYPA0807 | 0.3 | 1.4 | og-gn | RCLY | | | | 98 | 2 | | | | og-gn RCLY w/ rare he veinlets. After weathered insitu USERP? | |
| D | RYPA0807 | 1.4 | 2.5 | gn-og | RCLY | USERP | | | 50 | 0 | sr 50 | | | yw-og RCLY w/ USERP core stones. | |
| D | RYPA0901 | 0 | 0.7 | rd-gy | RLG | | | | 10 | 90 | | | | gravel consisting of rounded clasts of he-mt w/ rd-bn cy coating. @ contact w/ RCLY unit below 20cm bnd of pisolitic gravel in a gy cy matrix w/ transported clasts of USERP (he coating). | |
| D | RYPA0901 | 0.7 | 2.7 | og-bn | RCLY | | he | 1 | 90 | 10 | | mas | | gritty mas og-bn RCLY w/ he growing within vug's. Mnr he lenses and veins. | |
| D | RYPA0902 | 0 | 0.7 | rd-gy | RLG | | | | 5 | 95 | | | | lateritic gravel consisting of sub-round to rounded grains, 3mm-2cm clasts w/ mnr cobbles of RLC. Mnr hematitic cy coating on clasts. Undulating boundary w/ unit below. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|----------|-------|-------|-----------|------|-------|-----------|------------------|---------|------------|--|-------------------------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYPA0902 | 0.7 | 2.5 | rd-og | RLC | | he | 5 | 35 | 65 | | | | very hard cemented laterite = nodules and stks of conc he w/ interstitial ferruginous RCLY. Nodules often have a rd-fe cy centre (rare gy-cy centres). Vuggy where clay washed away- vug's have go coating. Water stored in vugs. Abundant he veins. | |
| D | RYPA0902 | 2.5 | 3 | rd-bn og | RCLY | | he | 3 | 95 | 5 | | | | og-rd mas RCLY w/ he veins | |
| D | RYPA0903 | 0 | 0.5 | rd gy | RLG | | | | 2 | 98 | | | | lateritic gravel consisting of sub-angular to rounded grains of he-go-mt. Mnr hematic cy coating. Rare cemented clusters of gravel. + cobbles and boulders of cemented laterite. Undulating boundary below. | |
| D | RYPA0903 | 0.5 | 2.5 | rd og gy | RLC | | he | 20 | 35 | 65 | | | | og-rd ferruginous RCLY w/ sig nodules and discontinuous undulating bnd and lenses of he-go cementing laterite. Mnr gn-gy cy clasts w/ he coatings. V.weakly magnetic. Vuggy where cy has been washed away. | |
| D | RYPA0903 | 2.5 | 3.3 | yw-gn | RCLY | | he | 3 | 90 | 10 | | | | semi-mas yw limonitic RCLY w/ bn-rd hematitic stk's. --w/ depth yw clays become interbanded w/ gn-gy RCLY. | |
| D | RYPA0904 | 0 | 0.8 | gy-rd | RLG | | | | 5 | 95 | | | | lateritic gravel w. Mnr cy component 2% cy and 75% gravel (he-mt-go pisolite sub ang- well rounded). + 20% cobbles and boulders of RLC. | |
| D | RYPA0904 | 0.8 | 2.6 | yw | RCLY | | he | 10 | 90 | 10 | | | | semi-mas yw-bn limonitic cy w/ rd and gy stk's. + sig network of he veining (0.3-3cm thick). | |
| D | RYPA0905 | 0 | 0.5 | rd-bn | RLG | | | | 50 | 50 | | | | rd-bn cy rich gravel. Consisting of he-go-mt gravel within a hematitic cy matrix. | |
| D | RYPA0905 | 0.5 | 3.2 | yw gn rd | RCLY | | he | 0.5 | 85 | 15 | | | | strongly bnd RCLY, consisting of yw-bn RCLY w/ hematic cy bnds and lenses + rare gritty bk-gy magnetic cy. Scattered brittle bk x'stals ?Fe(OH)2. from 2-3m he veining. | |
| D | RYPA0906 | 0 | 1.6 | yw gn | RCLY | USERP | | | 90 | 0 | sr 10 | | | stk bnd yw-gn gritty RCLY w/ trace he veins. @ base of pit ww USERP core stones. @ surface 5cm of hematitic cy. | USERP outcrop within 5m |
| D | RYPA0907 | 0 | 0.4 | rd-bn | RLG | | | | 50 | 50 | | | | lateritic gravels consisting of he-go-mt clasts in a rd-bn hematic cy matrix. Mnr cobbles of cemented laterite. | |
| D | RYPA0907 | 0.4 | 0.7 | gy rd-bn | RCLY | | he | 2 | 70 | 30 | | | | rd-bn RCLY, hematitic w/ pisolitic bnds. Mnr lenses of lgy RCLY (?USERP). He veins. ± he coatings on gy-cy lenses. | |
| D | RYPA0907 | 0.7 | 2.5 | yw og rd | RCLY | | he | 1 | 95 | 5 | | | | hematitic yw-og-rd grotty RCLY. Mnr he veinlets. Scattered brittle x'stals. Dgy stk's of gritty magnetic cy. Rare ?wt cy @ bottom of the pit. | |
| D | RYPA0908 | 0 | 1.7 | rd bn | RLG | | | | 20 | 80 | | | | rd-bn lateritic gravel= he-go-mt clasts sub ang-well rounded withing a red-bn hematitic cy matrix (70% gravel, 20% cy). Mod magnetic. mnr layers of cleaner gravel. 10% transported cobbles + pebbles of RLC. | |
| D | RYPA0908 | 1.7 | 2.4 | gy rd-bn | RLC | | he | 10 | 60 | 40 | | | pis | nodules, pisolites and discontinuous mas bnds of he w/ interstitial gn-gy RCLY. Weakly magnetic. Mnr vugs where cy washed out. Gn-gy RCLY clasts we he coatings ? USERP w/ he coating. | |
| D | RYPA0908 | 2.4 | 3.9 | rd yw bn | RCLY | | he | 1 | 60 | 40 | | | pis | interbanded RCLY consisting of 1. semi mas hematitic cy ± pisolites w/ interbands of 2. ye limonitic stk cy + discontinuous bnd's of dgy-gn magnetic gritty cy. Mnr he veins. †in mas magnetic cy dp. | |
| D | RYPA0909 | 0 | 1.1 | rd bn | RLG | | | | 25 | 75 | | | pis | lateritic gravel consisting of 2mm-1cm, sub rounded to rounded grains. With a rd-bn cy matrix. + sub ang cobbles of RLC. Gravel is clay rich and finer grained in comparison to other gravels. Upper 10cm clean gy-rd gravel. | |
| D | RYPA0909 | 1.1 | 2.1 | gy rd-bn | RLG | | | | 5 | 95 | | | pis | gy-rd gravel: 0.3-1cm grains, angular to rounded. Of coarser grain size average and cleaner than RLG unit above. Within a U shaped ?palaeo channel. | |
| D | RYPA0909 | 2.1 | 2.7 | og rd bn | RCLY | | he | 0.5 | 98 | 2 | | | stk | at contact w/ unit aboe 5cm layer of cemented pisolitic laterite. Rd-bn mas RCLY w/ yw stk limonitic stk's/ + scattered grains of fe(OH)2. trace he veins. | |
| D | RYPA1001 | 0 | 0.8 | rd-bn | RLG | | | | 10 | 90 | | | pis | dgy metallic he-mt gravels, consisting of sub-ang to rounded clasts. From 0-0.4 clean gravels, 0.4m-EOI gravels coated w/ ferruginous cy. | |
| D | RYPA1001 | 0.8 | 1.2 | og-bn | RLC | | he | 5 | 20 | 80 | | | pis | cemented pisolitic laterite w/ abundant he veins. + mnr clasts of weathered serpentinite (RCLY) (USERP-cy often occur's w/ a he coating, protecting from further weathering) | |
| D | RYPA1001 | 1.2 | 2.1 | rd bn | RLG | RCLY | he | 2 | 50 | 50 | | | pis | ferruginous RCLY w/ rounded clasts of hematite- pisolites. Gradational boundary gravels amd clay, cy† dp. Trace cr? | |
| D | RYPA1001 | 2.1 | 2.7 | og-bn | RCLY | | | | 90 | 10 | | | mas | semi mas ferruginous og gritty RCLY. Mnr scatted grains of he. Trace x'stals of ?cr. | |
| D | RYPA1002 | 0 | 0.4 | gy-rd | RLG | | | | 5 | 95 | | | | dgy-rd rounded hematitic gravel's w/ mnr clumps cemented gravel, + cobbles of cemented laterite. Clean gravel-trace cy. Sig rootlets. | |
| D | RYPA1002 | 0.4 | 1.6 | rd bn og | RLC | RCLY | | | 35 | 65 | | | | cemented laterite consisting of ferruginous gravelly cy w/ mas he stks, lenses and nodules. | |
| D | RYPA1002 | 1.6 | 3.1 | og bn | RCLY | RLG | | | 65 | 35 | | | | gravelly cy consisting of rnd hematitic pisolites in a gritty ferruginous matrix. Mnr cemented lenses. | |
| D | RYPA1002 | 3.1 | 3.7 | yw bn | RCLY | | | | 90 | 10 | | | | semi mas yw ferruginous cy w/ rd bn hematitic cy stk's. w/ cluster's of brittle bk x'stals? | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|-----------------|------------|---|-----------------------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYPA1003 | 0 | 0.6 | gy rd-bn | RLG | | | | 10 | 90 | | | | rounded clasts if he-mt gravel clean for first 20cm, 20cm-EOI gravel occurs w/ mnr ferruginous clay coatings. + ang cobbles and boulders of RLC. | |
| D | RYPA1003 | 0.6 | 2.4 | og rd bn | RLC | | | | 30 | 70 | | | | v. Hard cemented laterite. Rounded nodules of he (±fe-clay centres) w/ stk's and bnd's of mas he cementing together nodules. Rare pisolites. Hematite bnd // to ground surface. Mnr vugs between he where cy washed out. @ 1.0-1.5m vug's contained water.mnr U | |
| D | RYPA1106 | 1.1 | 1.8 | yw-gn | USERP | | sr | 5 | 0 | 0 | sr 70, 5 mn | | | semi mas yw-gn USERP w/ nework of bk sr hairline veins (hrt). Rare dendritic sr-mn oxides? | |
| D | RYPB0711 | 0 | 0.6 | rd bn | S | R | | | 50 | 40 | | | | cy-silt rich, fe-coloured, subangular gravelly soil. Mod mag hm-mt gravels w/ mnr larger cobbles of go±lm cemented amorphous RLC. Increasing og colouration dh. | |
| D | RYPB0711 | 0.6 | 0.9 | gn-gy | USERP | | | | 5 | 5 | | | | Variably non-mod magnetic USERP. Zones darker gy colouration than seen in previous holes. Og cy alt slk on some surfaces. Irregular, angular blocks - chippy frc dgy bk fine veinlets & frc coating weakly magnetic. | |
| D | RYPB0808 | 0 | 0.3 | rd-bn | RLG | RCLY | | | 20 | 60 | | mas | | Rd-bn lateritic clayey gravel. Common subangular-subrounded metallic gy fe nodules 2-15mm in rd-bn clayey soil. Common organics. Nodules commonly mod-strongly mag. | |
| D | RYPB0808 | 0.3 | 2.2 | rd-bn | RCLY | RLG | | | 80 | 20 | | mas bit blb spt | | Mas rd-bn cy w/ patchy bk blt, blbs. Common fe gravels w/ patchy wk-mod mag. Mnr clasts RLC. Dgy metallic anastomosing bnds w/ common spts vitreous siliceous hm to 3mm in og-bn-rd go-hm matrix (+ mnr blbs in og go to 6mm). | |
| D | RYPB0808 | 2.2 | 3.4 | yw og gn b | RCLY | SERP | | | 90 | 0 | | stk | | Stk yw-og-bk cy. Patchy wk-mod mag - relict mt? Mnr boulders weathered serpentinite. Pale cm-gn to gy-gn serp w/ extensive jointing, commonly w/ mt. | |
| D | RYPB0809 | 0 | 0.5 | bn-og-rd | RCLY | | | | 60 | 15 | | mas | | Bn-og-rd mas clayey soil. Common organics. Common subrounded fe nodules, metallic gy, commonly mod-strongly mag, 2-15mm. | |
| D | RYPB0809 | 0.5 | 1 | gn og yw | SERP | | | | 0 | 0 | | stk | | Vw-mw serpentinite @ top of interval. Og w/ patchy gy gn wk mag in mw serp. Sw serp @ base of pit, gn-bl-gy, patchy wk mag, stk bn-bk relict-fr mt in joints. | |
| D | RYPB1009 | 0 | 0.1 | drd bn | S | RLG | | | 60 | 30 | | | | Clayey soil. Weakly mag w/ mnr hm-mt-go gravel + mnr go-lm cemented chunks/cobbles. | |
| D | RYPB1009 | 0.1 | 0.7 | gn-og-bk | USERP | | mt+cy | 7 | 0 | 5 | | | | Blocky bk-dgn vein-rich USERP. Weakly mag og fe stained img-ifg irregular boulders. | |
| D | RYPB1107 | 0 | 0.1 | | SERP | | | | 0 | 0 | | | | Outcropping fresh serpentinite - not sampled | |
| D | RYPB1108 | 0 | 0.4 | drd bn | S | RLG | | | 10 | 80 | | | | Lateritic soil w/ sig weak mag gravel component. Mnr subangular cemented cobbles. | |
| D | RYPB1108 | 0.4 | 1 | gn yw | USERP | | mt | 2 | 1 | 2 | | | | Near fr blocky USERP w/ dis + faint(?) vein mt. | Pit filling w/ water. |
| D | RYPB1109 | 0 | 1.1 | drd dbn | S | RLG | | | 30 | 40 | | | | Loose fine sandy soil w/ increasing subangular hm, mt, lm gravel component dh. Platy serp cobbles + loose boulders. Numerous roots. | |
| D | RYPB1109 | 1.1 | 1.3 | gn-yw-og | USERP | | mt-cy | 1 | 20 | 5 | | | | Mod mag og fe stained USERP. Mod cy alt. | |
| D | RYPB1201 | 0 | 0.4 | rd-bn | RLG | RCLY | | | 40 | 50 | | mas | | Rd-bn lateritic clayey gravel. Mas cy w/ common gravel-sized subangular-subrounded fe nodules 2-12mm, wk-strongly mag. Rare cobbles pisolite. Common organics. | |
| D | RYPB1201 | 0.4 | 3.3 | rd bn | RCLY | RLG | | | 80 | 20 | | mas bit blb | | Rd-bn gravelly cy. Common gravel sized fe nodules, subangular-subrounded, wk-strongly mag. Rare cobbles RLC w/ metallic gy hm blbs in rd bn hm-go matrix. Patchy wk-mod mag. Rare cobbles yw-bn go w/ undulating lam bn bnds & bn sub-metallic crust. Rare cobb | |
| D | RYPB1202 | 0 | 0.5 | drd-bn | S | RLG | | | 30 | 40 | | | | Cy sandy rich drd-bn soil w/ mod amount of rounded mt-hm gravel & mnr larger cemented cobbles mod mag. | |
| D | RYPB1202 | 0.5 | 1.1 | cm-gn-yw | USERP | | | | 0 | 5 | | | | V weakly mag ww-fr blotchy serpentinite w/ fe-stained joint surfaces. Numerous fine spidery bk mt-cy veinlets. | |
| D | RYPB1301 | 0 | 0.4 | rd-bn | RLG | RCLY | | | 30 | 60 | | mas | | Rd-bn gravelly lateritic soil. Metallic dgy subangular-subrounded fe nodules 2-20mm. Non-mag to common wk-strong mag. Common rd-bn cy. Common organics. | |
| D | RYPB1301 | 0.4 | 4.2 | rd-bn | RCLY | RLG | | | 65 | 35 | | mas | | Rd-bn gravelly mas cy. Common fe nodules 2-20mm, wk-strongly mag. Mnr cobble-rare boulder sized fragments RLC. RLC has anastomosing bnds/blbs dgy metallic in bn-og (yw) go matrix. Patchy wk-mod mag. Mnr cavities. Patchy dk gy metallic stks in rd bn cy - w | |
| D | RYPB1302 | 0 | 0.3 | rd-bn | RLG | RCLY | | | 20 | 70 | | mas | | Rd-bn lateritic clayey gravel. Common angular-subangular fe nodules 2-15mm, patchy metallic gy-og wk-mod mag, rarely strongly mag. Mnr xw lithic fragments. Mnr cobbles RLC - og-metallic gy, mas in rd-bn lateritic soil. Common organics. | |
| D | RYPB1302 | 0.3 | 1.4 | rd-bn | RCLY | | | | 85 | 15 | | mas bit | | Rd-bn gravelly cy. Common gravel-sized fe nodules, wk-mod mag. Mnr cobble-sized fragments RLC - dgy anastomosing bnds in og-bn go matrix. Common bk blt in rd-bn cy. Non-mag. Mnr cobbles mas dgy sub-metallic, wk mag. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|-------------|------------|--|----------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYPB1302 | 1.4 | 2.2 | og-bn lgn- | SERP | RCLY | | | 70 | 2 | | stk | | Vw serpentinite cy @ top of interval, increasingly fresh with depth to sw serp @ base of pit. Stk og-yw/gn cy w/ dgy stks - commonly mag - ex-mt in joints. Lgn gy mas mw serp has extensive gy-bk stks - mt in joint planes. | |
| D | RYPB1401 | 0 | 0.2 | rd-bn | RCLY | | | | 80 | 15 | | mas | | Rd-bn clayey lateritic soil. Common fe nodules, subangular-subrounded, 2-10mm, wk-strongly mag. Dgy metallic nodules. Mnr organics. Mnr serpentinite float. Rare boulders pisolite. Rare fragments xw ss(?) Sfg cm-og w/ bk-og centre. | |
| D | RYPB1401 | 0.2 | 0.7 | bn-yw gy-g | RCLY | RLG | | | 75 | 25 | | mas | | Yw, lgy-gn gravelly cy. Yw-bn cy w/ patchy mnr gy-gn bits Common fe-rich gravel. Dgy-yw fe fragments, patchy wk-mod mag, angular, poorly sorted. Rare spks subvitreous bk min. Mnr organics. | |
| D | RYPB1401 | 0.7 | 2.5 | rd-bn | RCLY | RLG | | | 60 | 40 | | mas | | Rd-bn mas cy w/ extensive fe rich gravel, cobble-boulder sized fragments RLC. Dgy-bk, rd fe fragments RLC. Mnr boulders RLC w/ fused dgy metallic-subvitreous siliceous hm bibs in og-rd earthy go matrix. Bn-rd gravelly cy. RLC boulders have patchy wk mag. | |
| D | RYPB1401 | 2.5 | 3.2 | yw bn-dgy | RCLY | | | | 100 | 0 | | stk mas blt | | Mas yw-bn-dgy stk cy. Patchy wk-mod mag. Completely weathered. Mnr rd blt. | |
| D | RYPC0307 | 0 | 0.7 | rd-bn-gy | RLG | | | | 25 | 60 | | | | rich rd-bn gravelly soil w/ several subangular gravel-cobble sized fragments of RLC. Minor amgnetic component. Numerous roots. | |
| D | RYPC0307 | 0.7 | 2.2 | og-bn-dbn | RLC | RCLY | go | 25 | 20 | 80 | | bnd stk | | subhorizontally banded horizons of: well cemented go-he:mt laterite w/ weakly lm-cemented & lesser he-cemented cy-silt infill & trace void space; and minor soft gy-yw-og cy-ric lensing silt seams up to 20cm thick. Undulating dbn-bk subhorizontal go vein-r | |
| D | RYPC0307 | 2.2 | 3 | dyw-bn-drd | RCLY | | | | 60 | 40 | | stk | | gravelly dyw--og-bn cy w/ several chunks of RLC (inc. some contamination from excavation). Cy adhering to go-lm-he cemented boulders forming semi-nodules w/ minor voids. Trace cm-yw mw fragile fragemtns of smg SS = clasts? 60:40 cy-Fe appearing to increase | |
| D | RYPC0308 | 0 | 1 | dgy | SILT | RLG | | | 20 | 40 | | | | extremely silty horizon dominated by gy silt, w/ sig. gravel-cobble chunks of angular-subangular RLC. Numerous roots. | |
| D | RYPC0308 | 1 | 2.9 | rd-og bn | RLC | | go he-mt | 5 | 40 | 50 | | bnd | | weakly undulating subhorizontal contact w/ RLC ~10-20cm thick; contact marked by water seep. Variably well go-he (og-bn) cemented layers & lesser cemented he-mt (rd-bn) layers w/ several cy-rich horizons + zones. More yw colour near TOI, increasingly rd | |
| D | RYPC0308 | 2.9 | 3.3 | dyw-bn-drd | RCLY | RLG | go-he | 2 | 60 | 30 | | | | gravelly textured silty clay w/ several angular bk-bn go chunks & lesser rd he...contamination?? Trace platy cobbles of smg ww qzSS, minor rd-pl crumbly he nodules & weakly magnetic grains. Trace ww yw flaky fp? | |
| D | RYPC0309 | 0 | 0.6 | dgy | RLG | | | | 25 | 60 | | | | moderately developed cy-silt soil around gravel-cobble sized fragments of platy irregular or nodular RLC. Trace mod-very magnetic subrounded gravels. | |
| D | RYPC0309 | 0.6 | 0.8 | dbn og | RLC | | | | 50 | 50 | | stk | | thin layer of go-he horizontally + slightly swirly streaked, weakly lm-cemented clay. Nonmagnetic. Relict outline of rounded sfg cobble clasts in places. Small water seep at BOI. | |
| D | RYPC0309 | 0.8 | 3.3 | og-bn | RLG | RLC | go-he | 2 | 50 | 40 | | | | extremely cy-rich loose laterite composed of angular-subangular, non- to semi-spherical, gravel-cobble sized fragments of RLC. Trace weakly magnetic gravels. Minor subrounded feldspathic(?) riverstone cobbles + semi-translucent spidery lgy-wt-cm quartzite | |
| D | RYPC0309 | 3.3 | 3.5 | dyw-bn-drd | RCLY | | | | 85 | 10 | | | | gradational lensing transition to less gravel-rich RCLY at base of pit. Faintly granularly textured w/ minor fine sand component. Nonmagnetic. | |
| D | RYPC0310 | 0 | 0.3 | dgy | RLG | | | | 10 | 50 | | | | upper soil horizon w/ sig. go, he-mt:lm, subrounded, semi-spherical gravels. Numerous roots. | |
| D | RYPC0310 | 0.3 | 0.8 | dbn-rd-og | RLC | | go-he | 50 | 15 | 60 | | stk | | horizontally stk RLC w/ bk go-he veins + spk bk chunks scattered through og-rd weakly lm-he cemented cy-silt. Water-laden dgy cy-silt seam/subvertical pod causing water seep into pit. | |
| D | RYPC0310 | 0.8 | 2.2 | dyw-og-rd | RLG | RCLY | | | 75 | 20 | | | | dyw-og RCLY hosting sig. RLG gravels near TOI; gravels diminishing dh to dyw RCLY w/ lesser rounded he-go gravels + minor subrounded cm-wt fp(?) cobbles. Minor clasts of weakly lm-go cemented/coated cy-alt material + minor go-he nodules & minor gy silt s | |
| D | RYPC0311 | 0 | 0.9 | og-dbn ddg | RLC | | go mt-he | 50 | 10 | 90 | | stk spt | | ~10cm surface soil w/ minor RLG component, underlain by dbn-bk go (nonmagnetic) + mt-he (magnetic w/ rd streak) veins + nodules w/ interstitial lm-cemented cy-silt. Minor void space/ Minor pods of dgy cy-silt. Water seeping from contact at BOI. | |
| D | RYPC0311 | 0.9 | 2.1 | dyw | RLG | RCLY | | | 50 | 50 | | | | gravelly dyw cy w/ gravel composed of nodular coarse sand-coarse gravel go-lm + rare mt, + larger irregular fragmetns of RLC similar to overlying interval. Minor rd he-stain to some fragments. Trace feldspathic gravels. Interval increasingly cy-rich dh. | |
| D | RYPC0312 | 0 | 0.6 | gy | RLG | | | | 10 | 70 | | | | gy cy-silt rich, rounded, semi-spherical he-go:mt, weakly magnetic, coarse sand-gravel laterite w/ irregular RLC cobble fragments | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|---------|------------|---|----------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0312 | 0.6 | 1.4 | og gy | RLC | | go | 3 | 1 | 85 | | | | RLC layer w/ shiny bk subangular go clasts/fragments encased in og-bn lm w/ minor gy silt seams (partially cemented), trace qz gravels and minor voids. Nonmagnetic. | |
| D | RYP0312 | 1.4 | 2.9 | yw | SGVL | | | | 80 | 0 | | | | Matrix supported cy-alt conglomerate. Rich yw cy encasing numerous well rounded ww feldspathic(?) cm-wt, mod. Hard, "sandy" cobbles-boulders. Lesser lm-go cemented angular fragments w/ go veins (contamination?), + some cy-alt gy-gn granular gravels-cobble | |
| D | RYP0405 | 0 | 0.5 | gy | RLG | | | | 10 | 60 | | | | gy soily, cy-silt rich RLG composed of irregular-nodular, rounded, semi-spherical gravels-cobbles of go-he±mt + some larger fragments of semi-amorphous RLC. | |
| D | RYP0405 | 0.5 | 2.5 | og-bn gy | RCLY | RLC | go | 2 | 40 | 50 | | bnd | | undulating contact w/ loosely lam bnd 40-50cm go-lm RLC w/ minor voids + patchy magnetism. Underlain by gravelly clay seam that pinches out to the SE and dips NW ~20-30degrees. In turn underlain by another thin layer of RLC (~5-15cm thick), then another g | |
| D | RYP0405 | 2.5 | 4 | og-dyw-rd | SGVL | RCLY | | | 75 | 1 | | stk | | gradational contact of gravelly dyw cy w/ og-dyw-rd stk RCLY w/ several rounded riverstone cobbles of ww cm-pk fine grained rock (SS? SDOL?) + trace chalky wt soft sfg gm--SDOL? Forms part of poorly sorted matrix-supported conglomerate w/ wt + cm-pk sof | |
| D | RYP0406 | 0 | 0.8 | drd-bn-gy | RLG | | | | 5 | 85 | | | | moderately sorted, fairly cy-soil rich, semi-spherical, subangular-subrounded he-go±mt laterite gravel. | |
| D | RYP0406 | 0.8 | 1.3 | og-bn bk | RLC | | | | 0 | 85 | | stk | | undulating contact w/ semi-amorphous go±he±lm±trace mt RLC w/ gy silt-filled voids (10-15%), shiny bk go (cr?) grains encased in og lm within some streaks/bands | |
| D | RYP0406 | 1.3 | 2.1 | dyw-bn-og | RLG | RCLY | | | 10 | 40 | | | | discontinuous gy silt seam (logged as separate interval in other holes??) up to 20cm thick, underlain by dyw-og-bn±rd, variably weak-mod Fe-cemented cy-silt rich horizon. Minor magnetic gravel component. | |
| D | RYP0406 | 2.1 | 2.8 | dyw-bn | RCLY | | go | 5 | 80 | 5 | | | | dyw-bn RCLY w/ sig. go veins + nodules (fractured by excavator) in places. Minor drd + lyw cy-alt relict clasts + minor rounded riverstone boulders of cm-wt, soft, variably granular rock: SDOL? Cy-alt fpSS? | |
| D | RYP0407 | 0 | 0.3 | dgy-rd-bn | RLG | | | | 10 | 75 | | | | thin upper horizon of subrounded, semi-spherical mt-he, moderately sorted soily gravel. | |
| D | RYP0407 | 0.3 | 0.8 | og-dbn-bk | RLC | SILT | he-go | 60 | 5 | 90 | | | | RLC w/ dbn-bk he-go veining overwhelming og lm-cemented cy pockets. Rare dolomitic(?) angular coarse gravel-cobble clasts (soft, cm-wt, crush to fine sand). Variable void space. ~80x30cm lens of gy clay-silt w/ assoc. water seep at BOI. | |
| D | RYP0407 | 0.8 | 2.8 | og-bn | RLG | | he-go | 1 | 50 | 50 | | | | mixture of poorly sorted og-bn platy cy + subrounded gravel-cobbles of RLC w/ fragments of he-go±lm "veins", minor subangular sandy dolomitic(?) cobble component. Minor weakly magnetic fine sand grains. | |
| D | RYP0408 | 0 | 0.5 | gy-drd-bn | RLG | | | | 5 | 80 | | | | subrounded semi-spherical he-go±mt laterite gravel w/ sig. clay + silt-fine sandy soil. Several cobble-sized RLC fragments. | |
| D | RYP0408 | 0.5 | 0.7 | og-gy-dbn | RLC | | | | -999 | -999 | | | | Subhorizontal, weakly undulating layer. Variably non- to weakly magnetic go-he-mt "veins" encasing lm-cemented lenses, minor voids & minor gy silt. | |
| D | RYP0408 | 0.7 | 3 | yw-bn-og | RLG | | | | -999 | -999 | | | | cy-rich gravel laterite composed of subangular-subrounded RLC gravel-cobbles, hosted in dyw-bn-og clay w/ minor mt as granules in lm-he cemented fragments. Minor subrounded-rounded cm-wt ww SDOL(?) sfg sandy cobbles. | |
| D | RYP0409 | 0 | 1 | gy | SAND | RLC | | | 2 | 20 | | | | very fine silty sand w/ minor bands of mt gravels & dcm-scale cemented nodules + lenses of go-lm±he-mt | |
| D | RYP0409 | 1 | 2 | og dbn | RCLY | | go | 5 | 95 | 5 | | | | og-dyw waterlogged RCLY w/ several dbn gov eins acting as channel bases for sig. water flow down from weakly cemented <10-40cm thick cap at top of cy; water flowing along up channels in undulations (up to 30cm) in upper contact. | |
| D | RYP0410 | 0 | 0.5 | gy | RLG | | | | 2 | 60 | | | | gy soily + fine qz sandy top layer w/ moderate amount of lateritic subrounded, semi-spherical, moderately sorted gravels inc. some weak-mod. Magnetic. ~20% sand/silt coating gravels. | |
| D | RYP0410 | 0.5 | 1.8 | og-bn gy | RLC | RCLY | he-go | 50 | 2 | 85 | | | | og lm w/ dense network of drd-bn-bk he-go veins. Variable minor to no void space. Well cemented horizon w/ steeply dipping seam of wet gy silty clay at the base of which is a sig. flow of water filling pit. Minor magnetic bk nodules = in situ magnetite pi | |
| D | RYP0410 | 1.8 | 2.3 | rd-og yw g | RCLY | | he-go | 2 | 95 | 2 | | | | mixed irregular rd, og + yw clay w/ yw dominating toward BOI. Yw cy retains granular texture after weathred USERP? Rd assoc. w/ minor dbn-bk he-go (nonmagnetic) veins + nodules. Og cy = transitional? | |
| D | RYP0512 | 0 | 0.2 | pl bn | RLG | | | | 5 | 60 | | pis mas | | Rd-dgy metallic subrounded fe nodules, 2-20mm. Mnr gy silt. Common organics. Subangular-subrounded nodules, commonly wk-strongly mag. Rare cobble sized clasts cemented laterite. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|-----------------|------------|---|----------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0512 | 0.2 | 0.7 | og gy | RCLY | RLG | | | 60 | 20 | | | | Og-gy cy w/ common gravel-sized fragments, rare cobble sized (to 70mm) RLC, patchy wk mag. Mnr rounded cobble-sized RLC w/ og-bn go centre, dgy metallic, subvitreous crust to 5mm thick. | |
| D | RYP0512 | 0.7 | 2.4 | og yw bn | RCLY | | hm±go | 7 | 90 | 7 | | | | Mas og-yw-bn cy w/ common hm-go veins 3-10mm thick. Veins patchy wk-mod mag. Cy - rare wk mag. | |
| D | RYP0512 | 2.4 | 3.9 | yw of rd b | RCLY | | | | 90 | 0 | | bit stk spt blb | | Yw-og cy w/ extensive multicoloured blt, stk, spt. Lge zone blt bk cy w/ mnr yw cy blbs, stks. Yw cy has rd blbs, stks. Rd blbs have patchy w/bl spts, also in blk blt. Bk cy is patchy wk-mod mag. | |
| D | RYP0513 | 0 | 0.3 | bn gy | RLG | SOIL | | | 30 | 40 | | mas | | Bk-gy lat soil. Sig decr in fe to other RLG. Incr gy silt. ~40% subangular-subrounded fe nodules 2-10mm. Mnr gravel, rare cobble sized RLC fragments. Mnr wk-strongly mag fe nodules. Common organics. | |
| D | RYP0513 | 0.3 | 0.5 | og bn dbn | RCLY | RLG | | | 40 | 40 | | | | Og-bn cy w/ common gravel-sized clasts, wk-mod mag clasts dgy metallic-dbn sub-vitreous/metallic si-hm clasts. Rare boulder sized fragments og-bn-metallic gy RLC. | |
| D | RYP0513 | 0.5 | 0.7 | og yw cm | RCLY | | | | 95 | 0 | | plt blt stk | | Og-yw cy w/ extensive cm-gy stks, blt, often occurring as a halo around mnr organics. Trace sfg mi flakes. Non-mag. | |
| D | RYP0514 | 0 | 0.3 | pl-bn | RLG | | | | 5 | 70 | | pis | | Subangular-subrounded metallic gy-rd fe nodules in organic rich lateritic soil. Fe nodules 2-12mm, wk-strongly mag. Common cobble-sized, rare boulder sized RLC. Mnr cobble-sized clasts cemented pisolite. | |
| D | RYP0514 | 0.3 | 0.5 | bn og gy | RLC | | | | 5 | 80 | | mas blb | | Metallic-gy/og-bn amorphous laterite. Dgy metallic blbs, anastomosing bnds in weathered og-bn go matrix. Patchy wk mag. Common gy silt filling interstices. Mnr rounded fragments RLC to 80mm weathered og-bn inside w/ 5-6mm si dbn crust. | |
| D | RYP0514 | 0.5 | 0.7 | bn og | RCLY | RLG | | | 50 | 30 | | mas | | Og-bn gravelly cy. Greater thickness on opposite wall - to 0.6m thick. Gravel-rare cobble sized (to 500mm diameter) RLC. Dgy metallic RLC clasts commonly weathered to rd hm, mnr og go. Common gravel-sized clasts rounded vitreous si-rich fe fragments. | |
| D | RYP0514 | 0.7 | 1.2 | og yw cm | RCLY | | | | 100 | 0 | | bit stk plt | | Og-bn cy w/ extensive cm stks, blt. Patchy rd cy stks, blt's. Common cm spts. Rare organics. Trace sfg mi flakes. | |
| D | RYP0515 | 0 | 0.3 | bn-pl | RLG | | | | 5 | 50 | | | | Dbn-gy weakly developed lateritic soil. Extensive organics. Dgy-rd RLG on surface grading down into organic-rich bn-gy soil. Subrounded fe nodules 2-10mm, wk-strongly mag. Mnr cobble-sized fragments wk mag RLC. | |
| D | RYP0515 | 0.3 | 2.2 | gy bn og | RLC | | | | 15 | 70 | | mas blb spk | | Bn-og cemented laterite. Patchy wk mag. Common gy silt filling interstices. Dbn metallic hm in discontinuous undulating bnds in weathered og go matrix. Common vitreous si-rich spks-10mm blbs in dbn metallic hm & og go. | |
| D | RYP0515 | 2.2 | 3 | og bn cm r | RCLY | RLC | | | 50 | 15 | | mas bnd blt | | Mixed interval w/ og-bn cy, og, rd, dgy RLG, common cobble-sized fragments (to 15cm) RLC. Og-bn cy has common rd blt. Rare cobble-sized rounded qtz clasts. RLC fragments: lam-tnb bnds dgy metallic hm in weathered og-bn (yw) matrix. Patchy common sub-vitre | |
| D | RYP0515 | 3 | 3.8 | yw bn gn | RCLY | | | | 100 | 0 | | blt | | Blt yw-bn-gn cy - ex-sr? Non-mag. Sample contaminated with 2.2-3.0m sample. Blt yw in bn-yw mas cy. | |
| D | RYP0516 | 0 | 0.3 | bn-gy | RLG | | | | 10 | 70 | | pis | | Bn-gy lateritic soil. Metallic gy-rd subangular-subrounded fe nodules, 2-15mm, in gy soil. Nodules commonly wk-strongly mag. Common organics | |
| D | RYP0516 | 0.3 | 0.6 | bn og gy | RLC | | | | 5 | 80 | | mas | | Mas cemented laterite. Majority og-bn go, patchy rd-bn hm, particularly around edges of boulders. Stk gy silt filling interstices, coating boulders. Blk vitreous blbs si-rich fe. | |
| D | RYP0516 | 0.6 | 2 | bn yw cm r | RCLY | cyRB | | | 95 | 2 | | stk mas blb | | 0.6-1.4m mas bn cy w/ patchy xw rock. Remainder og-yw mas cyRB. Poorly sorted, matrix-supported, polymictic cyRB. Cobble-boulder sized clasts, subrounded. Patchy rd cy blbs. Clasts to 30cm. Qtz rich sw clasts. | |
| D | RYP0517 | 0 | 0.4 | gy | SOIL | | | | 10 | 0 | | | | Gy organic rich soil. Common non-mag lith fragments. | |
| D | RYP0517 | 0.4 | 1.9 | og yw lgn | cyRB | | | | 60 | 0 | | mas blb stk | | Og bn cy. Poorly sorted, polymictic, matrix-supported cyRB. Gravel-cobble sized clasts of sw qtzite, vw ex ss w/ fe stained bn joints. Mnr clasts pale gn cy w/ wt (ex-qz?, fp?) extensive clasts w/in clasts, 2-6mm. | |
| D | RYP0518 | 0 | 0.8 | gy bn | SOIL | | | | 40 | 0 | | mas | | Gy bn gravelly soil. Mixed mw lith fragments. Scg-gravel-sized in gy bn clayey soil. Non-mag fragments. Common organics. | |
| D | RYP0518 | 0.8 | 2.2 | og cm gn b | cyRB | | | | 50 | 0 | | mas | | Polymictic, matrix-supported, poorly sorted cyRB. Gravel-cobble sized clasts (to 200mm) are sw-vw, non-mag. Common qz-rich sw clasts. Common xw ex-sfg-scg ss alt to cy clasts. Common xw cm-bn, non-mag, weathered og on "joints" clasts. Og-bn cy matrix. | |
| D | RYP0612 | 0 | 0.2 | gy | RLG | | | | 5 | 20 | | | | 50-60% organics. Dgy metallic subangular-subrounded fe nodules 2-7mm. Wk-strongly mag. Mnr gy cy. Mnr cobble-sized fragments cemented pisolitic duricrust w/ organics even penetrating this. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|-------------|------------|---|---|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0612 | 0.2 | 0.7 | lgy | RLC | | | | 20 | 60 | | | | Dgy metallic amorphous cemented laterite. Weathering to dbn-og. Common cavities. Mnr gravel- rare cobble sized cemented laterite fragments in gy silt. | |
| D | RYP0612 | 0.7 | 0.9 | og bn | RLG | | | | 0 | 0 | | | | Og bn gravelly cy. Common scg-gravel sized fragments variably weathered. Anastomosing bnds dgy/dbn fe in weathered og matrix. Clasts patchy wk-mod mag. Patchy bk stks. Mnr organics. | |
| D | RYP0612 | 0.9 | 1.4 | og bn yw | RCLY | | | | 100 | 0 | | | | Og-bn mas cy w/ patchy yw cy stks. No rock fragments. Cy wk-mod mag. 5-10mm thick hardened fe crust on top of cy layer. Patchy bk cy blbs. | |
| D | RYP0613 | 0 | 0.2 | dbn-dgy | RLG | | | | 20 | 50 | | pis | | Dgy-bn pisolite rich lateritic soil. Common organics. Metallic gy subangular-subrounded fe nodules 2-10mm. Commonly wk-strongly mag. | |
| D | RYP0613 | 0.2 | 0.4 | og-bn | RLC | | | | 20 | 80 | | | | Lgy silt coating metallic gy amorphous cemented laterite. Common cavities. Weathering to bn-rd. Sub-rounded qtz clast, 7cm diameter w/ 6mm fe-rich rd-bn crust. Mnr lgy sandy silt. Fg sand. | |
| D | RYP0613 | 0.4 | 1.4 | og bn | RCLY | RLG | | | 60 | 40 | | mas | | Common gravel-sized, mnr cobble sized fe-rich fragments. Og-bn cy. Gy metallic fe nodules & fragments amorphous laterite. Wk-mod mag. Patchy mas bn cy. | |
| D | RYP0613 | 1.4 | 1.9 | og bn yw | RCLY | | | | 100 | 0 | | blb mas bnd | | Mas og-bn cy. Patchy yw blbs, stks, tnb-mdb bnds. Mnr bn blbs, relict txt? Disintegrates on contact. Mnr organics. | |
| D | RYP0614 | 0 | 0.3 | og bn | RLG | | | | 5 | 80 | | pis | | Bn pisolitic laterite soil. Dk metallic gy subangular-subrounded fe nodules to 25mm. Mod-strongly mag. Common organics. | |
| D | RYP0614 | 0.3 | 1.7 | og-bn gy d | RLC | RLG | | | 15 | 85 | | mas | | Mas dgy metallic non-wk mag cemented laterite. Commonly weathered to og-bn go, patchy rd hm alt. Common cavities. Common lgy silt around boulder-sized fragments RLC. Common bn-og lateritic gravel around RLC blocks w/ patchy wk mag fe clasts. | |
| D | RYP0614 | 1.7 | 2.7 | og bn | RCLY | | | | 95 | 5 | | mas | | Og-bn mas cy. Common og cy stks. Mnr dbn cy stks. Mnr rd cy blbs. | |
| D | RYP0615 | 0 | 0.3 | dgy-bn | RLG | | | | 5 | 80 | | pis | | Metallic dgy pisolitic laterite soil. Subangular-subrounded fe nodules 2-20mm. Mnr cobble-boulder sized cemented pisolite - strongly mag, fragments of RLC, non-mag. Fe nodules mod-strongly mag. | RLC interval larger adjacent to pit, operator "avoided hard stuff". |
| D | RYP0615 | 0.3 | 0.7 | og-bn dgy | RLC | RLG | | | 30 | 70 | | mas | | Mas cemented laterite. Dgy metallic anastomosing network, commonly non-wk mag, rarely mod mag. Common cavities. Rd gravelly laterite between RLC blocks. Fe nodules 2-10mm, mod-strongly mag. | |
| D | RYP0615 | 0.7 | 1.5 | og-bn | RCLY | RLG | | | 70 | 30 | | stk blb bit | | Og bn gravelly cy, non-wk mag. Common fe-rich clasts, non-wk mag, to 12mm. Patchy mnr gn-gy cy w/ mt clasts to 10mm. Patchy rd cy blbs, common bk stks in xw rock zones. | |
| D | RYP0615 | 1.5 | 2.7 | bn-og | RCLY | | | | 0 | 0 | | | | Mas bn-og cy. Patchy common bk, cm, rd cy stks. Patchy gn-gy cy bit. | |
| D | RYP0616 | 0 | 0.4 | bn dgy | RLG | | | | 5 | 80 | | pis | | Dgy metallic pisolitic subangular-subrounded fe nodules in wkly developed pl-bn lateritic soil. Common organics. Fe nodules commonly wk-mod mag. Mnr cobble sized fragments cemented pisolite w/ rd hm weathered matrix. Mnr cobble-boulder sized fragments RLC | NW end of pit mw serpentinite from 1.0m depth. |
| D | RYP0616 | 0.4 | 0.6 | og rd bn d | RLC | | | | 20 | 80 | | mas blb | | Boulder sized fragments RLC, patchy wk-mod mag, in lateritic gravel. Common cavities. Dgy metallic anastomosing network w/ mnr blb dgy metallic zones in weathered og go matrix. Patchy rd hm. Bn-og gravel - dgy metallic fe nodules 2-30mm, wk-mod mag. | |
| D | RYP0616 | 0.6 | 1.6 | og bn | RCLY | RLG | | | 70 | 30 | | mas | | Og-bn mas cy w/ mnr gravelly component. Fe-rich gravel, patchy wk mag. | |
| D | RYP0616 | 1.6 | 2.2 | og bn | RCLY | | | | 80 | 5 | | mas stk | | Og-bn mas cy. Common patchy gn xw serp, sr cy. Blk stks - ex mt in sr joints. Relict mt in xw serp. Patchy wk-strongly mag. | |
| D | RYP0617 | 0 | 0.3 | rd-bn | RLG | | | | 3 | 75 | | pis | | Dgy metallic pisolitic laterite soil. Extensive organics. Subangular-subrounded fe nodules 2-10mm, wk-strongly mag. Mnr rd-bn-pl lat soil matrix. Common cobble-boulder sized fragments cemented laterite, pisolite. | |
| D | RYP0617 | 0.3 | 1.6 | bn dgy pl | RLC | RLG | | | 10 | 90 | | mas blb | | Mas cemented laterite. Lge boulder sized fragments, patchy wk mag. Anastomosing dgy metallic network, w/ patchy blbs of same (cemented nodules) in matrix of weathered og go, rd hm. Common cavities. Common RLG between fragments. | |
| D | RYP0617 | 1.6 | 2.6 | gn bk yw o | SERP | | | | 20 | 10 | | bit | | Mas ww-mw serpentinite. Mw-vw on top - yw og cy after serpentinite. Greasy lustre to joints. Overlies fresher serpentinite, gn-yw w/ common accessory mt in joint fill. Wk-strongly mag. | |
| D | RYP0618 | 0 | 0.3 | pl bn dgy | RLG | | | | 5 | 85 | | pis | | Dgy metallic fe nodules in pl-bn mnr laterite soil. Common organics. Fe nodules subrounded-subangular, 2-10mm. Commonly mod-strongly mag. | |
| D | RYP0618 | 0.3 | 1.6 | og bn dgy | RLC | RLG | | | 10 | 90 | | mas | | Massive cemented laterite. Dgy metallic anastomosing network hm weathering to og-yw go matrix, common cavities. Patchy cemented pisolite, wk mag. Patchy wk mag in remainder. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|---------|------------|--|--|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0618 | 1.6 | 2.2 | gy gn bn | RCLY | | | | 98 | 2 | | mas | | Gy-bl cy, 20-30cm thick @ contact w/ RLC. Common cm blbs xw ex ss(?) w/ mnr fe staining in joints. Non-mag. Patchy bn crust on cy, also non-mag. Og bn mas cy to base of pit. | |
| D | RYP0619 | 0 | 0.6 | bn gy st o | SGVL | | | | 20 | 10 | | mas | | Poorly sorted, matrix-supported polymictic till. Clasts subangular-rounded. Common metallic gy subrounded fe nodules throughout, 4-15mm. Wk-strongly mag. Bn cy soil w/ common organics. | |
| D | RYP0619 | 0.6 | 1.6 | bn og gn b | SERP | | | | 30 | 5 | | mas | | Mas bl-gn serpentinite @ base of pit, weathering to upper contact to og-bn cy @ irregular contact w/ till. Mnr bl-gn mw - crumbles on contact - has cm discontinuous lam-tbn bnds. Patchy strong mag - mt in joints. Cy zones w/ patchy mod mag. | |
| D | RYP0620 | 0 | 0.2 | pl-bn | RLG | | | | 10 | 75 | | pis | | Dgy metallic fe nodules in pl-bn lateritic soil. Subrounded fe nodules 2-15mm, wk-strongly mag. Mnr cobble-sized, rare boulder sized fragments cemented pisolite. | |
| D | RYP0620 | 0.2 | 0.8 | bn-og rd | RLC | | | | 3 | 95 | | mas | | Dgy metallic-bk vitreous si-rich anastomosing network in weathered og-yw go matrix. Surfaces & cavities of RLC boulders have patchy common lgy silt coating. Mnr RLG - rd bn between boulders. Rd-bn lat gravel 2-20mm, commonly wk-mod mag. | |
| D | RYP0620 | 0.8 | 1 | og bn gn c | RCLY | RLG | | | 0 | 0 | | | | Wk-mod mag gravelly cy. Blt og-bn, gn cy w/ common cm-gy stks, blbs. Weathered fe/sr undulating contact. | |
| D | RYP0620 | 1 | 1.2 | gn cm | SERP | | | | 10 | 0 | | mas pit | | Gn-bl mas serpentinite w/ bk joint planes mt or ex-mt. Patchy wk-mod mag. Weathering @ top contact to yw-bn. | |
| D | RYP0712 | 0 | 0.5 | drd-bn-gy | RLG | | | | 0 | 98 | | pis | | angular-subrounded, fairly clean, moderately sorted, semi-spherical, loose, coarse sand-gravel laterite w/ minor lm cemented angular cobbles of cemented gravel. Minor nodular pisolites. | |
| D | RYP0712 | 0.5 | 0.8 | gy og rd-b | RLC | | go | 5 | 20 | 50 | | | | gy-silt coated & streaked og-bn RLC; nonmagnetic, mostly composed og go-lm. | |
| D | RYP0712 | 0.8 | 2.4 | og-bn | RCLY | | mt-he-go | 1 | 99 | 0 | | | | stk og + bn RCLY w/ trace cemented bk-dbn, weakly magnetic Fe-veins. | |
| D | RYP0712 | 2.4 | 3.2 | dyw-og-bn- | RCLY | | | | 90 | 7 | | | | gradational transition to less og, more yw RCLY w/ different more chaotic stk texture & <colour variation than previous interval. Resembles ex. Weathered USERP. Dgn-bk stk = vfg mt. | |
| D | RYP0713 | 0 | 2.5 | dyw-bn drd | RCLY | RLG | | | 70 | 25 | | | | variable very thin uppermost layer of RLG underlain by silty dyw-bn-rd-bn clay w/ minor pale cy-alt subrounded gravel clasts. ~8 RLG partings up to 15cm thick and composed of subrounded he-mt RLG; looks like sequential erosion/deposition from main laterite | |
| D | RYP0713 | 2.5 | 3.7 | dyw-cm | RCLY | | | | 90 | 5 | | | | stepped contact to dyw-cm RCLY from 1.3-2.5m deep w/ RCLY as above, minus RLG lenses. Several angular fragmetns of yw lm-cemented vfg, very hard "rock". Minor wt chalky rock fragments. | NB: step in contact coincident with change in gradient of hillside. Water filling bottom of pit. |
| D | RYP0714 | 0 | 1 | lgy | SILT | RLG | | | 80 | 0 | | | | lgy silty soil w/ dcm-scale weakly lm-cemented lense ~20x50cm at 30cm depth. Underlain by similar gy silt w/ sig. angular-subrounded chips-cobbles of chalky wt rock. Trace rd rounded he gravels. | |
| D | RYP0714 | 1 | 2.3 | dyw | RCLY | | | | 90 | 0 | | | | sludgy dyw + cm cy-water seep at contact w/ gy-dyw streaky cm-og in gy-dyw+dgn cy, becoming dyw-og-bn and waterlogged dh. Large irregular wt variably soft-very hard chunks w/ associated oozing wt cy. Nonmagnetic. | |
| D | RYP0715 | 0 | 0.3 | drd dbn | RLG | | | | 2 | 95 | | | | Angular-subrounded, moderately sorted sub-spherical loose hm-mt coarse sand-gravel. Numerous irregular cobble-sized clumps/clasts of variably void-ridden hm-go hhm-cy RLC | |
| D | RYP0715 | 0.3 | 0.5 | gy-yw-og | RL | | go | | 15 | 35 | 50 | | | Gy cy silt rich horizon w/ sig angular to subrounded hm-go-lm-mt (weakly magnetic) gravels + clasts including weakly cemented nodular of gy silt enclosing irregular lumps of FeOH. | |
| D | RYP0715 | 0.5 | 1.9 | og gy wt | RCLY | | | | 100 | 0 | | | | Irregular lower contact to mixed og RCLY (N side of pit) & gy cy w/ sig wt cy alt clast & streak (S side of pit). w/ dis dgy non-mag spks - wkly yw lm stained irregular steeply dipping boundary between the two. Cy RCLY has angular chunks of honeycomb cha | |
| D | RYP0716 | 0 | 1.1 | drd-bn gy | RLG | | | | 0 | 99 | | pis | | moderately sorted, poor-moderately spherical, subrounded + pisolitic(?) coarse sand-gravel laterite. Minor cobble clasts of lm-go cemented laterite gravels. | |
| D | RYP0716 | 1.1 | 2 | og-dbn-yw | RLC | | go-he | 70 | 25 | 75 | | stk | | mostly nonmagnetic go-he stk + nodules forming a cemented network w/ yw-og+rd cy infilling voids in network. Minor gy-bn silt. | |
| D | RYP0716 | 2 | 3.3 | dyw-bn gy | RCLY | | | | 95 | 1 | | stk | | thin upper layer of gy cy-silt ~10-15cm thick, becoming dyw-bn mixed RCLY w/ zones of dyw-gn-yw stk or dyw in rd-bn weakly magnetic clay. Dcm-scale seam of lgy-cm cy w/ angular chunks of void-rich honeycomb-like brittlecrystallisation structure, similar t | |
| D | RYP0717 | 0 | 0.4 | drd-bn-dgy | RLG | | | | 2 | 98 | | pis | | subrounded, semi-spherical, worn pisolitic he-mt-go loose laterite gravels. Fairly clean, moderately sorted coarse sand-gravel. Numerous roots + minor cy-silt soil. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------------|---------|------------|--|--|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0717 | 0.4 | 1.8 | og-dbn yw | RLC | | go-mt | | 20 | 75 | | stk | | network of dbn go-mt veinlets + nodules throughout variably yw, og + rd & lm-stained + cemented cy w/ darker colouring often associated w/ void space (minor). Minor seams of lgy cy-silt. | Gently southward dipping contacts, following topography. |
| D | RYP0717 | 1.8 | 2.3 | dog-dyw-bn | RCLY | | | | 0 | 3 | | stk | | dog-dyw-bn faintly stk textured RCLY w/ variable dis vfg mt in places. | |
| D | RYP0717 | 2.3 | 3.6 | gy-wt-cm | RCLY | | | | 50 | 0 | | stk | | lgy cy w/ cm-yw + minor gy-bn streaky bands, becoming whiter dh to become chunky fragments (broken by excavator) of lacy spider-web veined soft white rock that is extraordinarily light & brittle rock = chalk?? Water seep at bottom of pit. | |
| D | RYP0718 | 0 | 0.2 | drd-bn-gy | RLG | | | | 5 | 90 | | | | moderately sorted coarse gravel-dominated coarse-sand-gravel go-he-mt laterite. 10-30cm thick layer with undulating lower contact. | |
| D | RYP0718 | 0.2 | 1.5 | og dbn gy | RLC | | go±he±mt | | 30 | 60 | | stk | | dbn go-he-mt network of veins + nodules w/ weakly lm-cemented cy + voids & several gy silt partings encasing yw, og & rd-stained cy-silt. Weakly magnetic in places. | |
| D | RYP0718 | 1.5 | 3.3 | dyw dgn | RCLY | | | | 95 | 0.5 | | stk | | water seep assoc. gy silt lense at base of RLC. Underlain by dyw clay w/ faint layered textures becoming lost by excavator disturbance. Large pod of dgn ext. cy-alt rock at base of hole. Entirely cy-alt but still breaks in chippy rock-like way in places. | |
| D | RYP0719 | 0 | 0.2 | drd-gy-bk | RLG | | | | 5 | 60 | | | | dirty go-he±mt laterite composed of subrounded loose gravels w/ some alrge RLC boulders--possibly from nearby road construction? | |
| D | RYP0719 | 0.2 | 3.4 | og-dyw-bn | RCLY | | | | 85 | 1 | | stk | | loose crumbly clay w/ variable zones of dyw-bn, cm-yw & og-dyw clay, and minor rounded riverstone cobbles=cy-alt fp? Trace platy weakly fliated gy-cm cobbles. Minor weakly lm-cemented clods. | |
| D | RYP0719 | 3.4 | 3.5 | bk-dyw-lgn | USERP | | | | 85 | 1 | | | | undulating & irregular contact w/ dyw-gn-bk vw USERP. Water seep at low point in contact. Stk bk after cy-alt mt veinlets. | |
| D | RYP0720 | 0 | 0.4 | rd-bn | R | | | | 60 | 7 | | | | richly rd-bn coloured well developed soil horizon consisting mostly of coarse soft clods w/ minor well rounded go coarse gravels & minor subrounded magnetic fine gravels | |
| D | RYP0720 | 0.4 | 2 | og-dyw | RCLY | | | | 80 | 2 | | | | loose crumbly silt-rich clay w/ some cohesive weakly foliated chunks w/ stk texture & several small voids stained rd. minor magnetic component. | |
| D | RYP0720 | 2 | 3 | og-gn dgn- | USERP | | mt | 5 | 30 | 5 | | stk | | sig. cy-alt USERP w/ sig bk clayey mt veinlets. Stk og-rd w/ yw remnant vw rock. | |
| D | RYP0810 | 0 | 0.8 | rd-gy | RLG | | | | 15 | 85 | | | | gravelly laterite=60% 2mm-2cm he-mt clasts w/ hematitic cy coating. w/ 40% large boulder and cobbles og RLC (≤1.2m).RLC= bnds, nodules, lenses of mas he-go w/ interstitial SILT + og fe cy. | |
| D | RYP0810 | 0.8 | 1.1 | gy | SILT | RLC | he-go | 10 | 80 | 20 | | | | dgy SILT w/ nodules+pisolites of mas go-he ±cy centres. + veins of he-go making the SILT partially cohesive. Boundary w/ below and above units is irregular and undulating. | |
| D | RYP0810 | 1.1 | 2.1 | wt og | RCLY | SILT | he-go | 2 | 85 | 5 | 10% bk unknown mineral | | | og RCLY w/ bnds of wt SILT (vuggy-holds water). Through both liths scattered bk x'stals which occur as clusters of very fine grained x'stals (brittle, admantine-submetallic lustre, non magnetic, ?platey). | sample sent for XRD |
| D | RYP0811 | 0 | 1.6 | gy-rd | RLG | SILT | | | 5 | 95 | | | | clean mod sorted gravel, consisting of 70% rd-bn he-mt 2mm-1.5cm, ang-well rounded clasts, w/ mnr cy coating. + 20% RLC cobbles and boulders. @ 1.4m mnr lenses if weakly cemented gy SILT which pinches out. | |
| D | RYP0811 | 1.6 | 2.7 | og | RCLY | | he-go | 0.5 | 98 | 2 | | | | mad og RCLY w/ rare rd-bn metallic-hematitic stk cy. @ SOI he-go veinlets. Trace ivg brittle bk x'stals scattered through unit. | |
| D | RYP0812 | 0 | 0.6 | rd-gy | RLG | | | | 10 | 90 | | | | poorly sorted gravelly laterite consisting og 70% rd-gy, mas he-mt, 2mm-2cm clasts. w/ 30% cobbels and boulders in a silty cy matrix. Sig rootlets, mnr humus. | |
| D | RYP0812 | 0.6 | 1.2 | gy | SILT | RLC | he-go | 5 | 20 | 30 | 50 silt | | | gy silty RCLY w/ mnr metallic ivfg bk-gy 'heavy min' sands. w/ lenses and irreg undulating bnd's of mas he-partially cemented. + nodules of he-go ±cy centre. | |
| D | RYP0812 | 1.2 | 2.3 | og | RCLY | | he-go | 0.5 | 95 | 5 | | | | og mas cy grd into og-yw bnd cy w/ interbands and lense of bk gritty cy (smudgy). Rare he-go veinlets @ SOI. Bk cy-mod amgnetic ifg mtg. Mnr rootlets. | |
| D | RYP0813 | 0 | 0.3 | gy | RLG | | | | 10 | 90 | | | | rd-bn he-go gravels w/ pebbles and cobbles og RLC(interstitial gy silt) within a silty gy cy matrix, sig rootlets. | |
| D | RYP0813 | 0.3 | 1.3 | gy | SILT | | he-go | 5 | 20 | 40 | 30 silt | dis | | silty gy cy w/ dis gy-bk metallic silt component + rare qz grains (?mineral sands). w/ he-go nodules and cemented lenses. + sig he-go veins. | |
| D | RYP0813 | 1.3 | 2.5 | og | RCLY | | he-ho | 3 | 95 | 5 | | | | mas og-bn RCLY w? mnr mas go-he veins + scattered rare bk admantine-submetallic brittle x'stals. | |
| D | RYP0814 | 0 | 0.6 | rd-bn | RLG | | | | 5 | 95 | | | | clean gravelly laterite + mnr cy. Ang-well rounded clasts of 2mm-3cm mas he-mt clasts w/ mnr cobbles of RLC (5-10%) | |
| D | RYP0814 | 0.6 | 1 | gy rd-bn | RLC | SILT | he-go | 15 | 20 | 60 | 20 silt | | | irreg mas he-go bnd', lenses, nodules (±cy centre). W/ interstitial dgy SILT. Silt=dgy silty cy+ gy metallic silts grains. | |
| D | RYP0814 | 1 | 2.6 | og | RCLY | | he-go | 2 | 98 | 2 | | | | mas og cy w/ stk hematitic cy. + rare scattered x'stals of brittle bk material. @ SOI 2-3cm thicj veins of mas he-go | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------------|-------------|------------|---|----------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0815 | 0 | 0.6 | rd-bn | RLG | | | | 5 | 95 | | | | clean gravel + mnr organics. Consisting of well rounded to sub ang mas he-mt clasts + 10% RLC cobbles. | |
| D | RYP0815 | 0.6 | 1.1 | gy | RLC | SILT | | | 40 | 30 | 30 SILT | mas bnd | | variably cemented laterite consisting of mas amorphous he-go nodules, irreg bnds and lenses. w/ interstitial og cy + interstitial bnds of dgy SILT. SILT= qz grains + dgy metallic mineral sands. | |
| D | RYP0815 | 1.1 | 2.7 | og | RCLY | | he-go | 2 | 98 | 2 | | mas stk | | semi mas og RCLY w/ hematitic cy stks. @ SOI irreg mas he-go veinlets. Spk scattered clusters of brittle bk x'stals. | |
| D | RYP0816 | 0 | 0.9 | rd-gy | RLG | | | | 5 | 95 | | | | clean gy-rd gravel consisting of 0.2-3cm clasts of rounded-sub ang, mas he-mt clasts w/ 25% cobbles of RLC. | |
| D | RYP0816 | 0.9 | 1.5 | og-gy | SILT | RLC | he-go | 15 | 30 | 30 | 30 SILT | | | undulating boundary w/ unit below consisting of gy unconsolidated silty cy w/ cemented lenses of semi mas he-go + interstitial og RCLY. Within SILT abundant bk-gy metallic x'stals weakly magnetic. | |
| D | RYP0816 | 1.5 | 2.4 | og | RCLY | | he-go | 2 | 95 | 5 | | | | semi mas og cy w/ irreg mas he-go veinlets (branching). Mnr hematitic cy stks | |
| D | RYP0817 | 0 | 0.9 | rd-gy | RLG | | | | 5 | 95 | | | | clean mod sorted gravel 0.2-1cm, rounded to sub angular, mas he-mt clasts. + mnr RLC pebbles and cobbles (≤10cm) | |
| D | RYP0817 | 0.9 | 1.7 | rd-bn | RLG | | | | 10 | 90 | | | | 50%= 0.2-2cm, ang to rounded, mas he-mt clasts w/ mnr clay coating. + 50% large boulders and cobbles of RLC (≤1.3m). RLC= semi mas he-go w/ interstitial feRCLY. RLC boulders are loose and are supported in a lateritic gravel matrix. | |
| D | RYP0817 | 1.7 | 3.4 | rd-bn | RCLY | | he | 0.1 | 90 | 10 | | | | og-gy-rd gritty RCLY. Bnds + stks of gritty magnetic cy (smudgy). w/ mnr corestones of lesser weathered USERP. | |
| D | RYP0818 | 0 | 0.4 | rd-bn | RCLY | | | | 95 | 5 | | mas | | rd-bn RCLY w/ abundant rootlets and organics. V.mnr gravels in top 1-2cm. | |
| D | RYP0818 | 0.4 | 2 | og cm rd b | RCLY | | | | 95 | 5 | | stk bnd mtg | | strongly bnd, multicoloured clay consists of alt rd-yw-cm-gn cy w/ interbands of bk gritty magnetic cy (smudgy). ? After weathered USERP. | |
| D | RYP0819 | 0 | 1.2 | rd-bn | RLG | | | | 2 | 98 | | | | dry clean gravel w/ v. minor cy. Abundant rootlets. Consists og he-go-mt gravels, poorly sotrted, ang-rounded, 2mm-3cm w/ cobbles and boulders of RLC. + recemented gravels w/ hematitic cement. | |
| D | RYP0819 | 1.2 | 3 | og | RCLY | | mn | 1 | 95 | 4 | 1 mn | | | gritty ferruginous cy w/ mnr scattered pebbles of he-mt @ SOI. Towards EO1 mnr weathered USERP corestones. Bk coatings along joints ?mn oxides. | |
| D | RYP0911 | 0 | 0.3 | rd-bn | RLG | | | | 35 | 65 | | | | rd-gy he-mt gravels 0.2-2cm w/ mnr cobbles of RLC. In a hematic-organic cy matrix. + abundant rootlets. | |
| D | RYP0911 | 0.3 | 2.2 | rd-bn | RCLY | | | | 98 | 0 | 2 % bk unknown mineral | | | mas og RCLY w/ scattered clusters of bk admantine-submetallic brittle x'stals. Rare gn patches of cy. | |
| D | RYP0912 | 0 | 1.8 | rd-gy | RLG | | | | 10 | 90 | | | | first 30cm clean gravel (no RLC) from 0.3-EOI= 50% 2mm-3cm mas he-mt, sub ang to well rounded clasts w/ mnr cy coating. + 50% large sub ang boulders and cobbles of RLC (≤1.8m) . RLC= mas irreg, pis, stks, nodules and bnds of mas he-go ± interstitial ferrugi | |
| D | RYP0912 | 1.8 | 2.8 | og gn | RCLY | | he-go | 0.2 | 95 | 5 | | bnd | | bnd og-gn RCLY w/ stk bk lenses of gritty bk magnetic cy. + rare he-go veins @ SOI/ ,mr scatted brittle bk xstals. | |
| D | RYP0913 | 0 | 2.2 | rd-bn | RLG | | | | 5 | 95 | | | | rd-bn he-mt gravel, mod sorted w/ ang-sub rounded grains, 2mm-3cm. w/ 10% cobbles and rare boulders of RLC. Mnr cy coatings. | |
| D | RYP0913 | 2.2 | 3.2 | og | RCLY | | he-go | 3 | 94 | 5 | 1 % bk unknown mineral | | | mas og RCLY w/ rd metallic-hematitic cy stks. + mnr he-go veinlets. + gn hard cy ? Corestones. Scattered bk, admantine, submetallic, brittle x'stal clusters. | |
| D | RYP0914 | 0 | 1.3 | rd-bn | RLG | | | | 10 | 90 | | | | poorly sorted lateritic gravel consisting of 60% 2mm-3cm mas he-mt clats w/ 40% RLC boulders and cobbles. RLC = mas he-go nodules, veins, bnds ±interstitial ferruginous cy. | |
| D | RYP0914 | 1.3 | 1.45 | gy | RLC | | he-go | 2 | 50 | 50 | | | | Gy SILT-mod cemented by nodules, bnds and lenses of he-go. SILT interval pinches and swells. SILT partially washed out in places- vuggy. | |
| D | RYP0914 | 1.45 | 2.3 | og | RCLY | | | | 95 | 5 | | | | semi-mas og cy w/ gn and bk gritty cy bnds(magnetic). After USERP | |
| D | RYP0915 | 0 | 1 | rd-bn | RLG | RLC | | | 10 | 90 | | | | 0-50cm well sorted clean gravel (no RLC). 0.5-EOI rd-gy gravel 2mm-2.5cm, he-mt clasts (60%) w/ RLC boulders and cobbles (40%). Sub ang RLC= nodules, bnd's, stringer of mas he-go interstitial ferruginous cy +/- rare gy SILT. Cy washed out in some boulder | |
| D | RYP0915 | 1 | 1.5 | gy | SILT | RLC | he-go | 10 | 30 | 30 | 40 SILT | | | silty clay consisting of qz+ gy mineral grains which has become partially cohesive by he-go stringers and semi mas he-go nodules ±cy centres. | |
| D | RYP0915 | 1.5 | 2.5 | og | RCLY | | he-go | 1 | 95 | 2 | 1% bk min | | | mas og RCLY w/ hematitic stk's + sporadic bk clusters of brittle x'stals. + mnr veins of he-go. | |
| D | RYP0916 | 0 | 0.9 | rd-gy | RLG | | | | 10 | 90 | | mas | | 40% cemented laterite cobbles and boulders in a unconsolidated matrix of poorly sorted gravel (60%). Gravel= 2mm-2cm grains with and organic rich hematitic cy matrix. The angular RLC clats are ≤1.5m, consisting of semi mas he-go stks, nodules + bnd's ±int | |
| D | RYP0916 | 0.9 | 1.4 | gy | SILT | | he-go | 5 | 40 | 20 | 40 SILT | mas stk pis | | gy SILT = wt qz grains + bk metallic grains (dense). w/ mnr pisolites, nodules and he-go veins. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|-------------------------|---------|------------|---|--|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP0916 | 1.4 | 2.6 | og | RCLY | | he-go | 0.5 | 98 | 1 | 0.5% bk unknown mineral | mas | | og-yw mas RCLY w/ mnr bk scattered x'stals of unknown mineral. | |
| D | RYP0917 | 0 | 0.3 | rd-bn | RLG | | | | 40 | 60 | | | | rd-bn cy rich gravel consisting of ang-sub rounded clasts (2mm-1cm), in a hematitic organic rich cy. + abundant rootlets. | |
| D | RYP0917 | 0.3 | 1.7 | og-bn | RCLY | RLC | | | 85 | 15 | | mas | | mas og RCLY w/ hematitic stks, @ SOI abundant he-go veinlets (he leaches out of veins and partially cements RCLY. Down the pit the cy becomes mas no veinlets. | |
| D | RYP0918 | 0 | 0.4 | rd-bn | RLG | | | | 10 | 90 | | | | mod sorted gravel consisting of 2mm-2.5cm of he-mt w/ 25% cobbles of RLC in a hematic cy matrix + abundant rootlets. | |
| D | RYP0918 | 0.4 | 1.1 | gy | SILT | | he-go | 2 | 30 | 25 | 45 SILT | | | gy silty clay (qz-bk grains) w/ nodules of he-go ±cy centre (can be mas), w/ lenses of partially cemented material. | |
| D | RYP0918 | 1.1 | 2.4 | og | RCLY | | he-go | 2 | 98 | 2 | | | | semi mas og RCLY w/ mnr stks of hematitic cy. + rare bk clusters of brittle x'stals (admantine, sub metallic lustre), + go-he veinlets. | |
| D | RYP0919 | 0 | 0.9 | rd-bn | RLG | | | | 10 | 90 | | | | 25% ang cobbles and boulders of RLC (semi mas he-go w. interstitial SILT + FeRCLY), supported by 75% 2mm-3cm, sub ang to rounded clsts of he-mt w/ hematitic cy coating + abundant rootlets. | |
| D | RYP0919 | 0.9 | 1.3 | gy | SILT | RLC | he-go | 5 | 30 | 30 | 40SILT | nod | | very hard layer of semi cohesive SILT (?qz,fp+ gy metallic grains) + abundant nodules of he-go (±cy centre)-halo of partially stained SILT. Nodules conjoined by stringers of he-go to be become partially cemented. | |
| D | RYP0919 | 1.3 | 2.4 | og | RCLY | | he-go | 5 | 94 | 5 | 1 % bk unknown mineral | mas dis | | og mas RCLY w/ gn cy sts + scattered brittle x'stals. Non magnetic. + orreg he-go veins. | |
| D | RYP1010 | 0 | 0.2 | dgy bn | RLG | | | | 10 | 50 | | | | Gy-bn lateritic gravel. Dgy metallic to bn-rd fe nodules 4-20mm. Patchy wk-mod mag, rarely strongly mag. Common organics. Subangular-subrounded nodules. Common cobble sized pisolite. Wk-mod developed soil. | Pit location on track that's been dozed therefore bank partly logged for true thickness. Pit itself: 0-0.1 RLG, RCLY, 0.1-1.0 RCLY |
| D | RYP1010 | 0.2 | 0.4 | og-bn | RLC | RCLY | | | 30 | 50 | | | | Mixed interval w/ cobble sized fragments vw og-bn & gy metallic fused blbs hm in og-bn go matrix RLC. Dgy bk subvitreous, submetallic si rich hm blbs & bnds in og-bn go matrix. Patchy wk mag. Common og-bn cy, og-bn lateritic gravel. RLC - bk w/ mnr rd hm | |
| D | RYP1010 | 0.4 | 1 | og-bn | RCLY | | | | 98 | 2 | | mas bit | | Mas og-bn cy w/ patchy gn-gy, cm, bn cy blt's. Rare rd cy stks, wk-mod mag. Bn-og cy non-mag. | |
| D | RYP1011 | 0 | 0.4 | pl-bn-rd | RLG | | | | 5 | 90 | | | | Rd-bn lateritic gravel. Subangular-subrounded fe nodules 2-20mm, dgy metallic-rd hm. Commonly mod-strongly mag. Common cobbles dgy metallic bn pisolite w/ patchy mod mag. Mnr organics. | |
| D | RYP1011 | 0.4 | 1.1 | bn gy | RLC | | | | 10 | 90 | | | | Dgy metallic-og-bn cemented laterite. Boulders RLC w/ interstitial bn laterite gravel & mnr cy. RLC commonly has anastomosing network, blbs dgy metallic hm in og-bn go matrix. Patchy wk mag. Smaller boulders, cobbles RLC commonly have og go mas, often w/ | |
| D | RYP1011 | 1.1 | 1.7 | bn og rd d | RCLY | | | | 90 | 10 | | mas bit | | Mas og-bn cy. Mnr anastomosing bnds dgy-bn metallic, vitreous si-rich hm to 20mm wide. Cy & bnds non-mag. Patchy mnr rd xw rock. Wk mag. Patchy mnr rd cy. Mnr cm bit. Bn bnds have mnr rd cy halo, wk mag. | |
| D | RYP1011 | 1.7 | 2.3 | bn og | RCLY | | | | 100 | 0 | | mas | | Mas og bn cy. | |
| D | RYP1012 | 0 | 0.2 | bn pl gy | RLG | | | | 5 | 85 | | | | Rd-pl-bn lateritic gravel w/ weakly developed gy-bn lateritic soil. Subangular-subrounded dgy metallic-rd fe nodules 2-20mm, wk-strongly mag. Common organics. Common lichen covered RLC boulders - appear gy. | |
| D | RYP1012 | 0.2 | 3.3 | bn-rd-dgy | RLC | | | | 5 | 90 | | | | Cemented dgy metallic-rd-bn laterite. Dgy metallic hm anastomosing bnds & commonly as crust around og-rd go hm weathered matrix. Patchy wk mag. Common cavities. Boulders commonly have lgy silt coating, also fills interstices. Silt coating commonly has bot | |
| D | RYP1012 | 3.3 | 3.7 | bn og | RCLY | | | | 95 | 5 | | mas | | Mas og-bn cy. Patchy mnr gn-gy blt's. Trace fg bk vitreous - chromite? Mnr gy bk si-rich hm bnds near top of interval. Cy & bnd non-mag. | |
| D | RYP1013 | 0 | 0.9 | pl-bn | RLC | RLG | | | 10 | 80 | | | | Boulder sized fragments RLC @ surface to 0.9m depth. Extensive RLG between boulders. Metallic dgy subangular to subrounded fe nodules 2-20mm, wk-strongly mag. Common boulders RLC w/ anastomosing network dgy metallic bnds in og-bn go matrix. Common fragmen | |
| D | RYP1013 | 0.9 | 1.1 | og-bn | RLC | RCLY | | | 10 | 50 | | stk | | Bn-og crust between gy-gn silt @ base of RLC & mas cy below. Mnr patchy bn stks, non-mag. | |
| D | RYP1013 | 1.1 | 2 | og-bn gn | RCLY | | | | 100 | 0 | | mas | | Mas bn-og-gn cy. Non-mag. | |
| D | RYP1014 | 0 | 0.6 | pl bn rd | RLG | | | | 3 | 85 | | mas | | Dk metallic gy-rd lateritic gravel. Subrounded to subangular fe nodules 2-10mm. Commonly mod-strongly mag. Common organics. | |
| D | RYP1014 | 0.6 | 1.2 | bn og dgy | RLC | | | | 10 | 65 | | mas | | Og-bn to gy metallic-rd cemented laterite. Dgy metallic-subvitreous network anastomosing bnds in og go matrix w/ bn stks common. Mnr cavities. Non-mag. Crust on outside of cobble-boulder sized fragments RLC rd-metallic gy. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|-----------------|------------|---|----------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP1014 | 1.2 | 3 | og bn rd | RCLY | | | | 95 | 5 | | mas stk | | Og-bn mas cy. Mnr patchy rd blt near base of pit. Common bn stks. Mnr bn harder veins near top of interval to 20mm wide. | |
| D | RYP1015 | 0 | 0.8 | rd-bn | RLG | | | | 5 | 90 | | mas | | Thick cover RLG. Metallic gy-rd, subangular to subrounded fe nodules 2-20mm, commonly wk-mod mag. Common cobbles rd-gy & yw-bn RLC w/ metallic gy bnds. Mnr organics 0.0-0.3m | |
| D | RYP1015 | 0.8 | 1.8 | gy bn | RLC | RLG | | | 10 | 70 | | mas | | Gy-bn RLC w/ extensive silt, gravel. Cobble-boulder sized fragments RLC. Og go w/ common bn stks, dgy-bn metallic undulating bnds. Lgy silt coats boulders, fills interstices. Non-mag. | |
| D | RYP1015 | 1.8 | 3.3 | og bn dgy | RCLY | | | | 90 | 10 | | mas | | Og-bn mas cy w/ mnr bnds/veins dgy metallic hm to 20mm wide. Non-mag. Common spts dgy-bk subvitreous si-rich hm. | |
| D | RYP1016 | 0 | 0.2 | gy-bn | RLG | | | | 5 | 85 | | pis | | Gy-bn lateritic gravel. Gy metallic subangular to subrounded fe nodules 2-10mm. Patchy wk-mod mag. Mnr cobbles RLC. Common organics. | |
| D | RYP1016 | 0.2 | 0.9 | og gy bn y | RLC | RLG | | | 20 | 70 | | mas | | Mnr layer gy-bn cobble-sized. RLC fragments in gy-bn sandy cy, og sand. Rare wk-mod mag. Overlies og-bn RLC. Anastomosing dgy metallic, subvitreous bnds si-rich hm in vw og-yw-bn go. Non-mag. | |
| D | RYP1016 | 0.9 | 3.5 | og bn dgy | RCLY | | | | 90 | 10 | | mas | | Mas og-bn cy w/ mnr anastomosing bnds dgy-bk metallic, subvitreous si-rich hm. Patchy yw-bn cy w/ gy stks. | |
| D | RYP1017 | 0 | 0.2 | dgy bn pl | RLG | | | | 3 | 85 | | pis | | Pl-gy-bn lateritic gravel. Dgy metallic-rd subangular-subrounded fe nodules 2-15mm. Rare cobbles pisolite. Commonly wk-strongly mag. Common organics. | |
| D | RYP1017 | 0.2 | 1 | bn og gy | RLC | RLG | | | 5 | 90 | | mas bnd | | Og-bn RLC. Significantly different to other RLC - no dgy metallic bnds, blbs. Completely weathered og go. Mostly non-mag, patchy rare wk-mod mag. Lgy silt bnd @ base of RLC, filling interstices & coating RLC fragments at base of interval. Extensive caviti | |
| D | RYP1017 | 1 | 2 | og bn cm | RCLY | | | | 90 | 2 | | mas spt blt stk | | Mas og-bn cy w/ common cm stks, blt's. Patchy wk mag. Patchy common gn-gy stks, blt's. Patchy common bk spts, mnr wt xw rock clasts to 2mm in og cy. Patchy mnr xw rock fragments og-cm w/ rd bn & gy-gn stks. Mnr organics. | |
| D | RYP1018 | 0 | 0.2 | dgy bn | RLG | | | | 5 | 70 | | pis | | Dgy metallic-rd fe nodules 2-20mm. Common cobble-sized fragments pisolite. Wk-strongly mag. Common organics. | |
| D | RYP1018 | 0.2 | 1 | og bn gy | RLC | | | | 10 | 90 | | mas | | Og-bn dgy cemented laterite. Dgy metallic anastomosing network bnds w/ og-bn go matrix. Common cavities. Patchy wk mag, rare strong mag. | |
| D | RYP1018 | 1 | 2 | og gn | RCLY | SERP | | | 35 | 5 | | blt mas stk | | Mas og-gn cy. Blt yw-gn cy w/ common cm-og stks. Mw serpentinite to base of pit. Gy-og mw serpentinite w/ patchy wk-mod mag. Relict mt. Gn-gy @ base of pit w/ og stks - weathered serp joints. | |
| D | RYP1110 | 0 | 0.3 | rd bn | SOIL | | | | 85 | 5 | | mas | | Rd bn lateritic soil. Clayey soil w/ mnr fe nodules 2-20mm w/ patchy wk-mod mag. Rare fragments RLC to 200mm - non mag. Common organics. | |
| D | RYP1110 | 0.3 | 1.1 | yw bn | RCLY | | | | 100 | 0 | | mas blt | | Mas yw-bn cy. Patchy gy-gn blt. Patchy mnr xw blk blt w/ wk mag. Patchy wk mag in gn-gy cy. | |
| D | RYP1111 | 0 | 0.3 | dgy rd | RLG | | | | 5 | 93 | | pis | | Rd-gy lateritic gravel. Dgy metallic-earthy rd subangular-subrounded fe nodules 2-20mm. Commonly mod-strongly mag. Patchy mnr organics. Mnr cobbles pisolite, cemented laterite. | |
| D | RYP1111 | 0.3 | 1.4 | og bn gy | RLC | | | | 10 | 90 | | mas | | Og-bn cemented laterite w/ mnr lgy silt. Anastomosing bnds, blbs dgy metallic subvitreous hm in og-rd-bn go-hm matrix. Common cavities. Patchy wk mag. Common lgy silt, filling interstices, coating boulders RLC. Patchy sfg gy-gn sand. Common cobbles mas og | |
| D | RYP1111 | 1.4 | 2.7 | og bn | RCLY | | | | 98 | 2 | | mas | | Mas og-bn cy. Mnr dbn vein near top of interval to 20mm wide. Patchy mnr bk coal near base of pit, rotted organics common. Patchy stk dgy cy. Patchy lam yw-bn-gy bnds. Patchy wk mag. | |
| D | RYP1112 | 0 | 0.3 | dgy rd | RLG | | | | 5 | 90 | | pis | | Dgy-rd lateritic gravel. Metallic dgy subangular to subrounded fe nodules, 2-15mm in mnr pl-bn wk developed lateritic soil. Mnr organics. Mnr cobbles, rare boulders RLC, pisolite. Commonly mod-strongly mag (nodules) to patchy wk mag (RLC fragments). | |
| D | RYP1112 | 0.3 | 1.3 | rd bn gy | RLC | RLG | | | 5 | 95 | | mas | | Rd-bn-gy cemented laterite. Gy metallic blbs and anastomosing bnds (+mnr crust) hm in og-bn go matrix. Common cavities. Common gy silt coating RLC boulders, filling interstices. RLC has patchy wk mag. Mnr rd-gy clayey gravel, fe nodules wk-strongly mag. | |
| D | RYP1112 | 1.3 | 3.2 | og bn dbn | RCLY | | | | 95 | 5 | | mas spk | | Mas og-bn cy. Mnr anastomosing bnds dbn submetallic hm. Non-mag as is cy. Patchy xw rd hm rock fragments. Rare spks dgy gn submetallic-vitreous crystalline (?). | |
| D | RYP1112 | 3.2 | 3.7 | bn og dgy | RCLY | | | | 100 | 0 | | mas blt spt | | Mas bn-og cy. Mnr patchy rd blt's. Rare dgy spts. | |
| D | RYP1113 | 0 | 0.8 | drd-dbn dg | RLG | | | | 0 | 99 | | pis | | Subangular-subrounded mod mag hm-mt. Coarse sand/gravel. Mod sorted w/ several go-hm cemented irregular angular cobbles. Trace og lm, cement. Mnr nodular pis? | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|-------------|------------|--|----------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYPC1113 | 0.8 | 1.5 | dog-bn-rd | RLC | | | | 10 | 80 | | voids | | Variably void-ridden go-lm-hm laterite w/ mnr moderately magnetic nodules. Variably cemented gravel, amorphous broken into small-large boulders (Did not require ripper - already partially broken?) Mnr interstitial partially im-cemented cy. | |
| D | RYPC1113 | 1.5 | 3.2 | bn-og-dyw | RCLY | | go-hm | 0.5 | 90 | 10 | | stk | | Subtley streaked sticky RCLY w/ mnr fine sand. Shiny bk non-magnetic spks. Mnr wkly magnetic subrounded gravel ? contamination from pit cave ins. Blocky angular lm-cemented fragments in gy tinged discontinuous cave @ top of interval. Undulating/irregular | |
| D | RYPC1114 | 0 | 0.5 | rd dgy pl | RLG | | | | 5 | 90 | | | | Dgy metallic-earthy rd lateritic gravel. Fe nodules 2-20mm, subangular-subrounded, commonly mod-strongly mag. Common organics in weakly developed lateritic soil. | |
| D | RYPC1114 | 0.5 | 1.1 | rd dgy | RLC | RLG | | | 5 | 95 | | | | Dgy-rd cemented laterite. Dgy metallic anastomosing bnds, fused blbs & crusts around boulders in og-rd-bn go-hm matrix. Patchy wk mag. Rare wt coating occurring as discontinuous "bnds". | |
| D | RYPC1114 | 1.1 | 1.7 | gy og | RLC | | | | 20 | 80 | | | | Gy-gn-og mas laterite. Increased cy, decreased boulder size of RLC. Gy-gn cy w/ og-dgy RLC. Anastomosing bnds/crust through and around cobbles-smaller boulders. More weathered than previous interval w/ increased og go. RLC fragments commonly break down t | |
| D | RYPC1114 | 1.7 | 2.7 | yw bn | RCLY | | | | 95 | 5 | | | | Yw-bn mas cy w/ patchy rd stks. Mnr anastomosing dbn fe go bnd @ top of interval. Patchy mnr rd xw rock. | |
| D | RYPC1115 | 0 | 0.2 | rd-gy-pl | RLG | | | | 5 | 90 | | | | Rd-bn lateritic gravel. Dgy metallic-rd fe nodules, subangular-subrounded, 2-20mm. Common cobbles rd, dgy. | |
| D | RYPC1115 | 0.2 | 2 | rd bn og g | RLC | | | | 10 | 90 | | mas | | Rd-bn-og cemented laterite, large boulders. Dgy metallic fused blbs, anastomosing bnds & crusts around boulders w/ og-bn go matrix. Patchy rd blits in go centres. Extensive cavities. Mnr organics. Boulders v hard but v brittle. Patchy mnr bk subvitreous sp | |
| D | RYPC1115 | 2 | 4 | yw og bn g | RCLY | RLC? | | | 60 | 40 | | stk spt | | Mas yw-bn cy w/ patchy zones yw-bn xw go which has extensive bn-bk, rd-bn stks. Non-mag. Patchy mnr gn-gy silt zones. | |
| D | RYPC1115 | 4 | 4.5 | yw bn | RCLY | | | | 100 | 0 | | mas | | Yw-bn mas cy. Non-mag. | |
| D | RYPC1116 | 0 | 0.5 | dgy rd | RLG | | | | 5 | 90 | | mas | | Dgy-rd lateritic gravel. Subangular-subrounded fe nodules 2-10mm. Dgy metallic-rd hm. Commonly mod-strongly mag. Mnr organics. Common organics 0-0.3m. | |
| D | RYPC1116 | 0.5 | 2 | og lgy | RLC | | | | 5 | 95 | | mas | | Og-gy cemented laterite. Og-bn boulders RLC w/ common gy silt. Mas og-bn go w/ mnr anastomosing dbn sub-metallic bnds & crust around boulders. Common yw-bn stks through boulders. Common cavities. Lgy silt commonly coating boulders, filling interstices. Pa | |
| D | RYPC1116 | 2 | 2.8 | og-yw-bn | RCLY | | | | 92 | 8 | | mas stk blt | | Og-bn mas cy. Patchy gn-gn stks, rd-bn blt's. Mnr dbn submetallic anastomosing bnds from 2.0-2.4m. 2.4-2.8m paleryw-og-bn cy. | |
| D | RYPC1117 | 0 | 0.3 | bn-gy-rd | RLG | | | | 5 | 90 | | mas | | Bn-gy-rd lateritic gravel/soil. Subangular-subrounded metallic gy fe nodules 2-10mm in rd-bn soil. Commonly mod-strongly mag. Mnr organics. Mnr cobbles- rare boulders pisolite, cemented laterite, non-mag. | |
| D | RYPC1117 | 0.3 | 1 | og bn lgy | RLC | | | | 5 | 90 | | mas | | Bn-og-rd boulders cemented laterite in mnr bn gravelly cy matrix. Dgy metallic anastomosing network, patchy blbs hm in, & as crust around matrix of og-bn-rd go-hm matrix. Patchy cavities. | |
| D | RYPC1117 | 1 | 2.2 | og bn yw | RCLY | | | | 97 | 3 | | mas | | Og-bn mas cy w/ rare patchy dbn submetallic discontinuous bnds w/ rd cy haloes near top of interval. Patchy yw-bn stks, rd-bn stks. 100% cy to base of pit. | |
| D | RYPC1118 | 0 | 0.2 | gy-bn | RLG | | | | 10 | 60 | | | | Dgy-bn lateritic gravel/soil. Subangular-subrounded fe nodules, 2-10mm, wk strongly mag. Common organics. Increased bn loamy soil. Mnr cobble-boulder sized fragments gy-rd og-bn RLC. | |
| D | RYPC1118 | 0.2 | 0.5 | og-bn-lgy | RLC | RLG | | | 10 | 60 | | | | Bn-og, gy cemented laterite. Dgy sub-metallic, subvitreous hm "clasts" in bn-rd hm matrix. Common cavities, often filled w/ lgy silt. Common bn gravel, cy. Mnr cobble sized boulders have dgy metallic, vitreous hm crusts w/ og-bn go centres. | |
| D | RYPC1118 | 0.5 | 1.2 | bn-og | RCLY | | | | 95 | 5 | | | | Bn-og mas cy, not as moist as other cys. Patchy bn-rd stks, trace fg subvitreous, submetallic spks (?) Mnr organics. | |
| D | RYPC1118 | 1.2 | 1.4 | og bn wt d | RLC | | | | 35 | 60 | | stk | | Yw-bn-rd xw rock w/ bn/dbn stks, spts, (pisoids?) to 3mm. Mod density. Yw-bn-rd cy. Common wt coating on dbn joint planes. Patchy rd xw ex-hm?. Trace organics. | |
| D | RYPC1118 | 1.4 | 1.7 | og bn | RCLY | | | | 100 | 0 | | mas bit | | Mas og-bn cy w/ patchy yw-bn stks, bits. Patchy rd-bn cy bits, all non-mag. | |
| D | RYPC1203 | 0 | 0.5 | drd bn rd | RLG | | | | 40 | 60 | | | | Subangular hm-mt mod sorted gravel, increasing cy % dh + brightening in colour drd-og-rd. Decreasing gravel % to 95% cy @ base of interval. | |
| D | RYPC1203 | 0.5 | 1.1 | gn-yw-og b | USERP | | mt | 1 | 2 | 2 | | spk dis | | Irregular boulder forming fracturing ifg-img USERP. Weakly magnetic. Irregular upper contact. | |

Appendix F: EL45/2010 Test Pit Logs

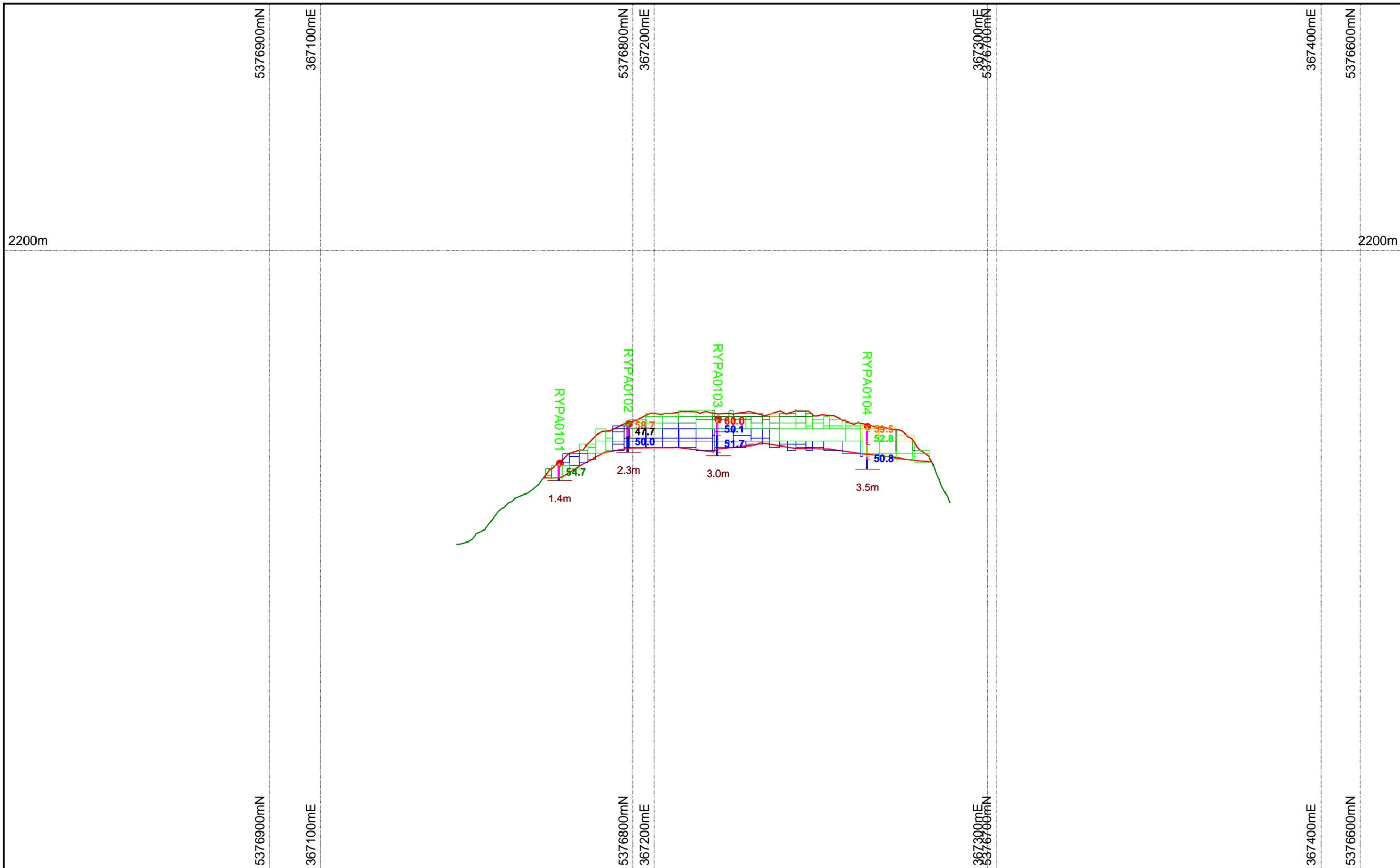
| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments |
|-------|----------|--------|--------|------------|-------|-------|-----------|------|-------|-----------|------------------|---------|------------|--|--------------------------------------|
| H1001 | | metres | metres | | | | | % | % | % | | | | | |
| D | RYP1204 | 0 | 1.6 | rd bn | RLG | | | | 20 | 60 | | | | Rich rd-bn RLG, cy-silt rich (~20% silt) brightening in colour dh. Hm-mt, sig mod-highly magnetic component. Subrounded coarse sand gravel w/ mnr irregular hm-go cemented cobbles + wkly cemented platy + semi-spherical 1m boulders. | |
| D | RYP1204 | 1.6 | 2.7 | og bn yw | RCLY | | | | 95 | 1 | | | | Stk RCLY w/ variable og-bn + yw zones w/ bn-drd stk. Trace img cy alt dis dbn-rd angular mineral fragments/grains w/ strong striations. Variably weakly magnetic-non magnetic. Mnr dgy ifg weakly mag mt stks. | |
| D | RYP1205 | 0 | 0.4 | drd dbn | RLG | | | | 20 | 75 | | | | Mod sorted coarse sand-gravel hm-mt subrounded-subangular loose laterite w/ sig cy silt component. Several cemented RLC cobbles/boulders. | |
| D | RYP1205 | 0.4 | 0.8 | gy og drd | RLC | | | | 50 | 40 | | | | Variably go-lm-hm cemented irregular horizon at base of RLG. Dbn go nodules stk w/ gy cy silt partings. Weakly lm-cemented rd-og cy in pockets + places. | |
| D | RYP1205 | 0.8 | 2.2 | dyw og bn | RCLY | | go mt | 2 | 90 | 5 | | | | Stk dyw-og-bn + mnr patches of rd RCLY. Trace dbn striated nonmagnetic go(?) veins. Mnr concentrations of dis ivfg mt - weathered USERP. | |
| D | RYP1206 | 0 | 0.4 | drd gy bn | RLG | | | | 5 | 95 | | | | Coarse sand-gravel, angular to subangular, moderately sorted loose laterite w/ lesser hm-go cemented irregular cobbles. | Developing soil profile in laterite? |
| D | RYP1206 | 0.4 | 0.9 | gy-og-bn | RL | | | | 50 | 40 | 10 | | | Gradual transition to moderately magnetic log-bn but becoming gy-er dh, gravelly + go-hm nodule bearing, weakly cemented, cy rich laterite. 10% silt. | |
| D | RYP1206 | 0.9 | 2.7 | bn og | RCLY | | | | 85 | 15 | | | | Diffuse undulating contact w/ og-bn cy w/ numerous dbn-drd hm nodules @ top of interval, decreasing dh (± lm cores) | |
| D | RYP1206 | 2.7 | 2.9 | dyw dgn | RCLY | | | | 100 | 0 | | lam stk | | Yw RCLY w/ dgn mm-scale lam +stk, latter w/ flaky/striated texture. Non-magnetic | |
| D | RYP1207 | 0 | 0.3 | drd-bn | RLG | | | | 2 | 90 | | | | Mod magneitic subangular coarse sand-gravel mt-hm w/ sig lm-go cemented irregular angular cobbles. | |
| D | RYP1207 | 0.3 | 0.9 | gy-og-drd- | RL | | | | 10 | 50 | 30 | | | Gradual transition to nonmagnetic nodules of hm cement coated in gy silt. Forms mod resistant horizon. Gy colouring - og dh in transition to underlying RCLY. 30% silt. | |
| D | RYP1207 | 0.9 | 2.6 | dyw-bn-drd | RCLY | | | | 95 | 2 | | | | Gradual transition to drd-bn-yw stk RCLY, becoming paler + more yw-dominated dh. Mnr zones deep rd hm-stained + mnr dgy-dgn dis stk, non-mag. | |
| D | RYP1208 | 0 | 0.3 | drd bn | RLG | | | | 3 | 90 | | | | Loose subrounded-angular hm-mt silt-gravel. Wk-mod mag, mod-sorted w/ mnr cemented RLC cobbles. | |
| D | RYP1208 | 0.3 | 0.9 | gy og bl-g | RL | | | | 0 | 40 | 50 | stk | | Gy wk-moderately indurated silt w/ numerous mixed go-hm-lm veins + nodules. Non-magnetic. 50% silt. | |
| D | RYP1208 | 0.9 | 2.7 | og-bn drd- | RCLY | RLG | | | 0 | 0 | | | | Cy rich interval w/ numerous gravel-cobble irregular lm-go±hm cemented fragments ~20cm. Thick discontinuous RLC @ base of interval. Trace magnetic grains mnr hm-lm cemented nodules. | |
| D | RYP1208 | 2.7 | 3.8 | dyw-bn | RCLY | | | | 70 | 15 | | spt grn | | Non-magnetic dull dyw-bnsh RCLY w/ several lm-cemented subrounded clasts/cobbles + cy alt grn gravel-like texture in places. w/ dbn-pl spts. | |
| D | RYP1209 | 0 | 0.5 | drd bn gy | RLG | | | | 0 | 95 | | | | Moderately magnetic subangular to subrounded loose hm-mt. Coarse sand-gravel laterite. Irregular lm-hm cemented cobbles toward base of interval. Trace organics. Wt qz sand component. | |
| D | RYP1209 | 0.5 | 0.9 | gy og | RL | | | | 5 | 30 | 50 | | | Weakly cemented gravelly textured magnetic gy silt w/ mnr large lm-go cemented nodules. 50% silt. | |
| D | RYP1209 | 0.9 | 2.5 | dog-bn-rd | RCLY | | go | 1 | 85 | 5 | | | | Variably grainy-streaky textured crumbly cy w/ variable og-bn-rd colouring. Trace dbn go veins & spt. Mnr gy tinged siltier zones, partings & stks. Mnr rounded non-mag go(?) gravels. | |
| D | RYP1210 | 0 | 0.3 | dbn drd | RLG | | | | 0 | 95 | | pis | | Moderately sorted he-mt-go gravel. Moderately-strongly magnetic. Minor pieces of cemented laterite mixed in. Minor pisolite texture. Subangular-subrounded grains. | |
| D | RYP1210 | 0.3 | 0.9 | bn-gy | RLC | SILT | | | 0 | 50 | 50 | SILT | | RLC coated in gy-bn SILT. He-mt-go grains within solid RLC/large blocks of RLC. Some rd he staining. | |
| D | RYP1210 | 0.9 | 2 | rd-bn | RCLY | | go | 5 | 95 | 5 | | | | Massive RCLY unit w/ minor go veins (non mag). Colour change: rd cy at TOI, changes to bn cy at BOI. | |
| D | RYP1210 | 2 | 2.5 | bn | RCLY | | | | 100 | 0 | | | | Massive smooth bn clay. | |
| D | RYP1211 | 0 | 0.6 | drd dgy | RLG | | | | 0 | 95 | | | | he-mt RLG. Dark red iron staining. Moderately sorted. Subangular-subrounded gravel. Minor blocks of cemented laterite. Moderate magnetism. | |
| D | RYP1211 | 0.6 | 1.2 | drd dgy | RLC | | | | 0 | 95 | | | | Similar to interval above, but mostly cemented blocks. Gradational boundary w/ gravel above. Cemented he-mt-go grains. Minor blocks of qz (up to 3cm). Moderately magnetic. | |
| D | RYP1211 | 1.2 | 1.5 | bn-gy | RLC | SILT | | | 0 | 50 | 50 | SILT | | RLC coated in SILT. Magnetism has decreased since interval above. Massive bands of RLC - fairly competent. | |
| D | RYP1211 | 1.5 | 2.9 | og-bn rd | RCLY | | | | 95 | 2 | | | | Massive cy unit w/ very minor go-veins in top 20-30cm then decreased down-pit. BOI is solid, smooth og-bn clay. | |

Appendix F: EL45/2010 Test Pit Logs

| H1000 | Test_Pit | From_m | To_m | Colour | Lith1 | Lith2 | Vein_type | Vein | Clay% | Fe-oxide% | Other_alteration | Texture | Structures | Description | Comments | |
|-------|----------|--------|--------|------------|-------|-------|--------------|------|-------|-----------|------------------|---------|------------|---|----------------------------|--|
| H1001 | | metres | metres | | | | | % | % | % | | | | | | |
| D | RYPC1303 | 0 | 0.2 | rd-bn gy | RLG | | | | 0 | 95 | | | | loose gravel made up of he-mt-go w/ dry cy coating/matrix. Subangular-subrounded. Moderately sorted. | | |
| D | RYPC1303 | 0.2 | 3.3 | og-bn rd g | RLC | RCLY | go | 5 | 50 | 50 | | | | large interval of RLC at TOI that grades into gravelly cy w/ large boulders of RLC and go-veins in. some very large (m-scale) boulders of RLC that are moderately magnetic. Clay changes colour from rd-bn to og-bn near BOI. | | |
| D | RYPC1303 | 3.3 | 3.9 | og-bn yw-b | RCLY | | | | 90 | 10 | | stk | | yw-bn + og-bn RCLY w/ minor gy streaks and smears of mt (mag). Moderately hard clay. | | |
| D | RYPC1304 | 0 | 0.5 | dgy drd | RLG | | | | 5 | 95 | | | | Mixture of loose gravel and gravel w/ minor cy coating. Gravel is he-mt-go, subangular-subrounded. | | |
| D | RYPC1304 | 0.5 | 2.1 | drd-bn og- | RLC | RCLY | | | 25 | 70 | 5 SILT | stk | | cemented laterite w/ clay coating. Minor layer of RLC w/ gy SILT coating near TOI. Minor black/gy smears in of mt clay. Gritty clay and blocks of go-rich RLC in bottom half of interval. Colour change: rd-bn near TOI, og-bn near BOI. | | |
| D | RYPC1304 | 2.1 | 3.2 | rd-og-bn | RCLY | RLC | go | 10 | 80 | 10 | | stk | | Thick RCLY unit w/ go veins and small blocks of go-rich RLC. Clay is smooth - not gritty, as above. Weakly magnetic go-veins. | | |
| D | RYPC1304 | 3.2 | 3.7 | rd-bn dgy | RCLY | | | | 95 | 5 | | stk | | Smooth cy unit w/ minor streaks and smears of magnetic mt. Mt decreases towards BOI. Og-gy-gn cy near BOI. | | |
| D | RYPC1305 | 0 | 0.4 | gy rd | RLG | | | | 0 | 95 | | | | he-mt-go RLG. Magnetic. Subangular-subrounded gravel fragments. Moderately sorted. | | |
| D | RYPC1305 | 0.4 | 2.5 | rd-bn gy-b | RLC | SILT | | | 10 | 80 | 10 SILT | | | Large interval of RLC. Near top of interval: small layer of RLC coated in SILT. This grades into cemented laterite coated in clay. Near BOI, change to gritty RCLY (mt-go-he) + small blocks of RLC. Grit size is <1mm to 5mm - moderately well sorted. Grit an | | |
| D | RYPC1305 | 2.5 | 3.4 | og bn-rd | RCLY | | | | 90 | 10 | | stk | | Streaky og-bn-rd cy w/ minor streaks of weakly magnetic mt cy and mt grit throughout. Very little grit - mostly massive RCLY unit. | | |
| D | RYPC1306 | 0 | 0.4 | gy rd | RLG | | | | 0 | 95 | | | | Gravel laterite, made up of he-mt-go. Magnetic. Subangular-subrounded. Moderately sorted. | | |
| D | RYPC1306 | 0.4 | 1.8 | rd bn og | RLC | SILT | go | 2 | 10 | 70 | 20 SILT | | | mostly rd-bn-og RLC w/ SILT coating. Minor cy coating towards BOI. Go-veins. More crumbly towards BOI and cy-mixed. | | |
| D | RYPC1306 | 1.8 | 3 | rd og bn g | RCLY | | go | 5 | 90 | 10 | | stk | | Thick rd-og-bn streaky RCLY unit w/ go-veins + dgy veins of mt clay. Clay becomes more og towards BOI. | | |
| D | RYPC1306 | 3 | 3.6 | og rd-bn | RCLY | | | | 100 | 0 | | stk | | Massive unit of smooth, streaky og, rd-bn clay. | | |
| D | RYPC1307 | 0 | 0.6 | bl-gy lgy | RLG | | | | 0 | 95 | | | | blue-grey RLG: he-mt-go gravel. Moderately-strongly magnetic. Near BOI start getting blocks and chunks of RLC. | | |
| D | RYPC1307 | 0.6 | 1.1 | gy-bn rd-b | RLC | SILT | | | 0 | 60 | 40 SILT | | | rd-bn RLC coated in bl-gy SILT. Moderately competent + cemented. He-mt-go RLC blocks. | | |
| D | RYPC1307 | 1.1 | 6.5 | bn-rd dgy | RCLY | RLC | go | 10 | 70 | 30 | | stk | | Very thick, smooth RCLY unit w/ go-veins and RLC blocks throughout. RLC blocks vary in size (from <5cm to 10-20cm) and are non-magnetic (he-go). RLC + go-veins decrease towards BOI but still continue. Could not dig any deeper - RLC and go-veins potentiall | Unable to dig any deeper | |
| D | RYPC1308 | 0 | 0.5 | lgy | RLC | SILT | | | 0 | 40 | 40 SILT | | | RLC coated by lgy SILT. Weakly magnetic. Minor rd-bn streaks (he?). Mostly made up of go+mt. Thick SILT coating - difficult to see. Very minor void space in RLC blocks. | | |
| D | RYPC1308 | 0.5 | 1 | rd-bn | RLC | SILT | | | 5 | 50 | 45 SILT | | | Change to rd-bn RLC. Moderately-very competent/cemented. Still coated in SILT and minor clay. Weakly magnetic. Mostly go+he. | | |
| D | RYPC1308 | 1 | 3.3 | og bn rd | RCLY | | go | 5 | 95 | 5 | | stk | | Thick clay unit w/ very minor go-veins extending almost to BOI. Amount of veins decreases down-pit. Streaky og-bn smooth clay. | | |
| D | RYPC1309 | 0 | 0.5 | drd dbn | RLC | RCLY | | | 40 | 60 | | | | drd-dbn RLC chunks covered in drd cy. Near TOI, material is relatively soft - can break apart w/ fingers. Interval becomes more competent + cemented towards BOI. Moderate-strong magnetism (he-mt). | | |
| D | RYPC1309 | 0.5 | 1.5 | og bn rd d | RCLY | | mt 5 sr-mt 5 | 10 | 90 | 10 | | stk | | Large interval of smooth RCLY. Contains thin veins of mt - decreases towards BOI. At BOI, thick vein (10cm) of wt-gn ?sr w/ minor mt (weakly magnetic). Sr-mt vein is moderately hard - not very weathered. | | |
| D | RYPC1402 | 0 | 0.2 | gy rd-bn | RLG | | | | 5 | 95 | | | | RLG - he-mt-go gravel. Mostly loose gravel w/ minor clay matrix. | | |
| D | RYPC1402 | 0.2 | 0.9 | rd-bn dgy | RLC | | go | 1 | 10 | 90 | | | | competent interval of RLC w/ very minor cy coating. Mostly thick cemented laterite. Blocks of go and go-veins. Moderately-very hard - increases down pit. Moderate magnetism. | | |
| D | RYPC1402 | 0.9 | 1.8 | og-bn rd-b | RCLY | | | | 90 | 10 | | stk | | thick streaky clay unit, w/ streaks of gy mt throughout. Magnetism decreases down-pit. Smooth clay. | | |
| D | RYPC1403 | 0 | 1 | drd dbn | RLG | RCLY | | | 50 | 50 | | | | he-mt-go gravel coated in rd-bn clay matrix. Thick unit - uniform all the way down. Moderately magnetic. Gravel is moderately sorted. | | |
| D | RYPC1403 | 1 | 2 | rd bn og y | RCLY | | | | 95 | 5 | | stk | | thick clay unit w/ minor streaky and blotchy mt clay (dgy). Colour change: rd at TOI and yw-og at BOI. Smooth clay. | | |
| D | RYPC1404 | 0 | 0.6 | drd | RCLY | | | | 50 | 50 | | | | soft, drd RCLY - moderately magnetic w/ very fine grained grit in. | | |
| D | RYPC1404 | 0.6 | 1.6 | yw-og bn-c | RCLY | | | | 90 | 10 | | stk | | Massive, smooth clay unit w/ minor streaky mt clay (moderately magnetic). | No RLG or RLC in this pit. | |
| EOF | | | | | | | | | | | | | | | | |

Appendix G

Riley Block Model Sections



| | | | | | | | |
|--------------|---|---|---|--------------------------|-----------------|--|--|
| Image "LOGO" | Assays on right Fe ₂ O ₃ % 0 to 20 20 to 50 50 to 52 52 to 54 54 to 56 56 to 58 58 to 60 60 to 62 62 to 999 | Red outline = Resource Wireframe, Feb2012 Green outline = DTM RYlidar_gmrd Pit traces coloured by lithology: Green = hematitic gravel Pink = cemented Laterite Blue = clay 5x vertical exaggeration applied | X Scale = 1 : 1500 Y Scale = 1 : 300 | Plot Date 27-Apr-2012 | Sheet 1 of 1 | Section RYPA01 view towards MGA SE | Mt Lindsay Project Riley Creek DSO |
| | | | Plot File: RYPA01 | | | | |

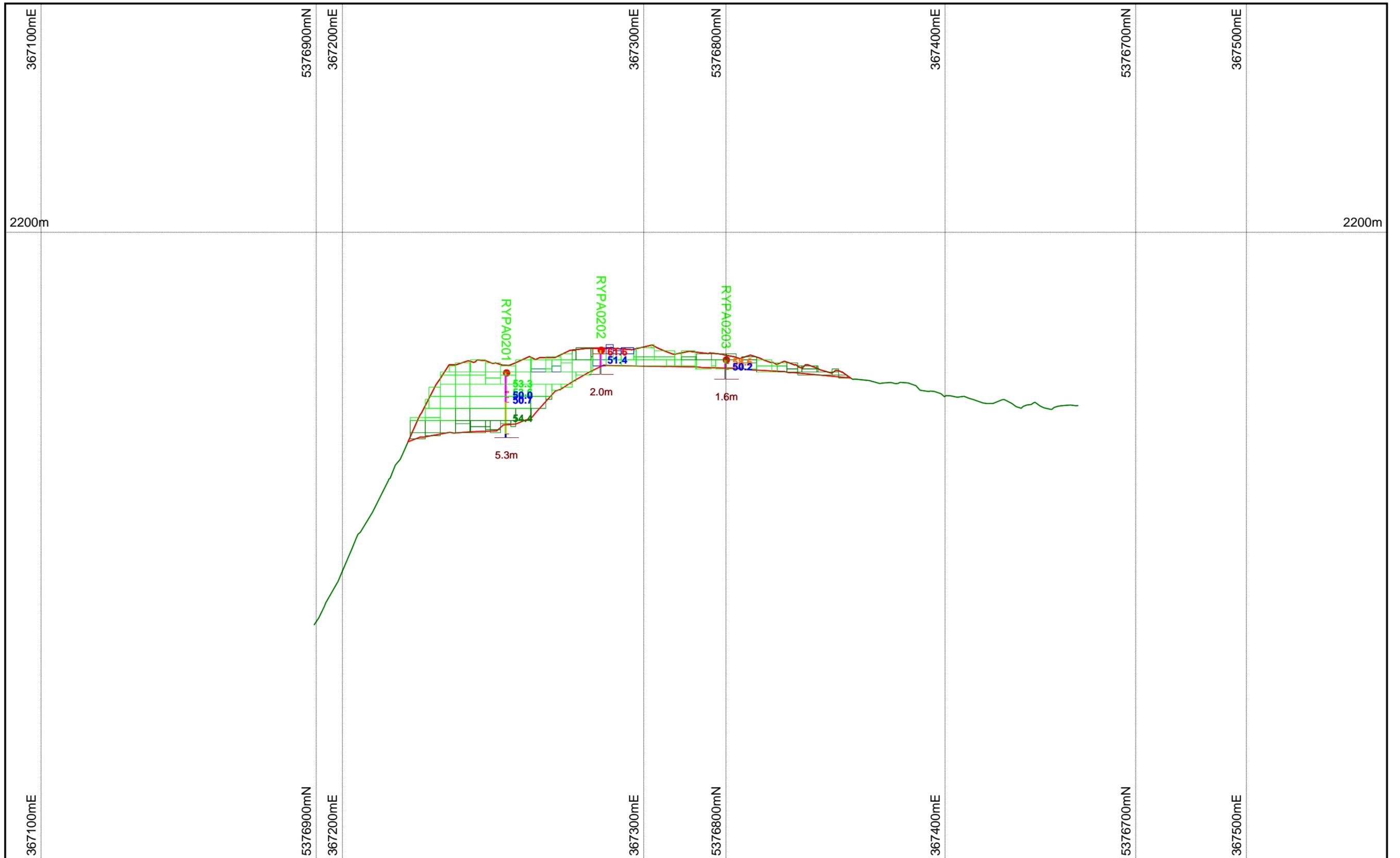
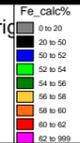


Image "LOGO"

Assays on right
Fe_%



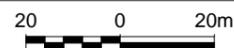
Red outline = Resource Wireframe, Feb2012
Green outline = DTM RYlidar_gmrd
Pit traces coloured by lithology:
Green = hematitic gravel
Pink = cemented Laterite
Blue = clay
5x vertical exaggeration applied

X Scale = 1 : 1500
Y Scale = 1 : 300

Plot Date
27-Apr-2012

Sheet
1 of 1

Plot File: RYPA02



Section RYPA02
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

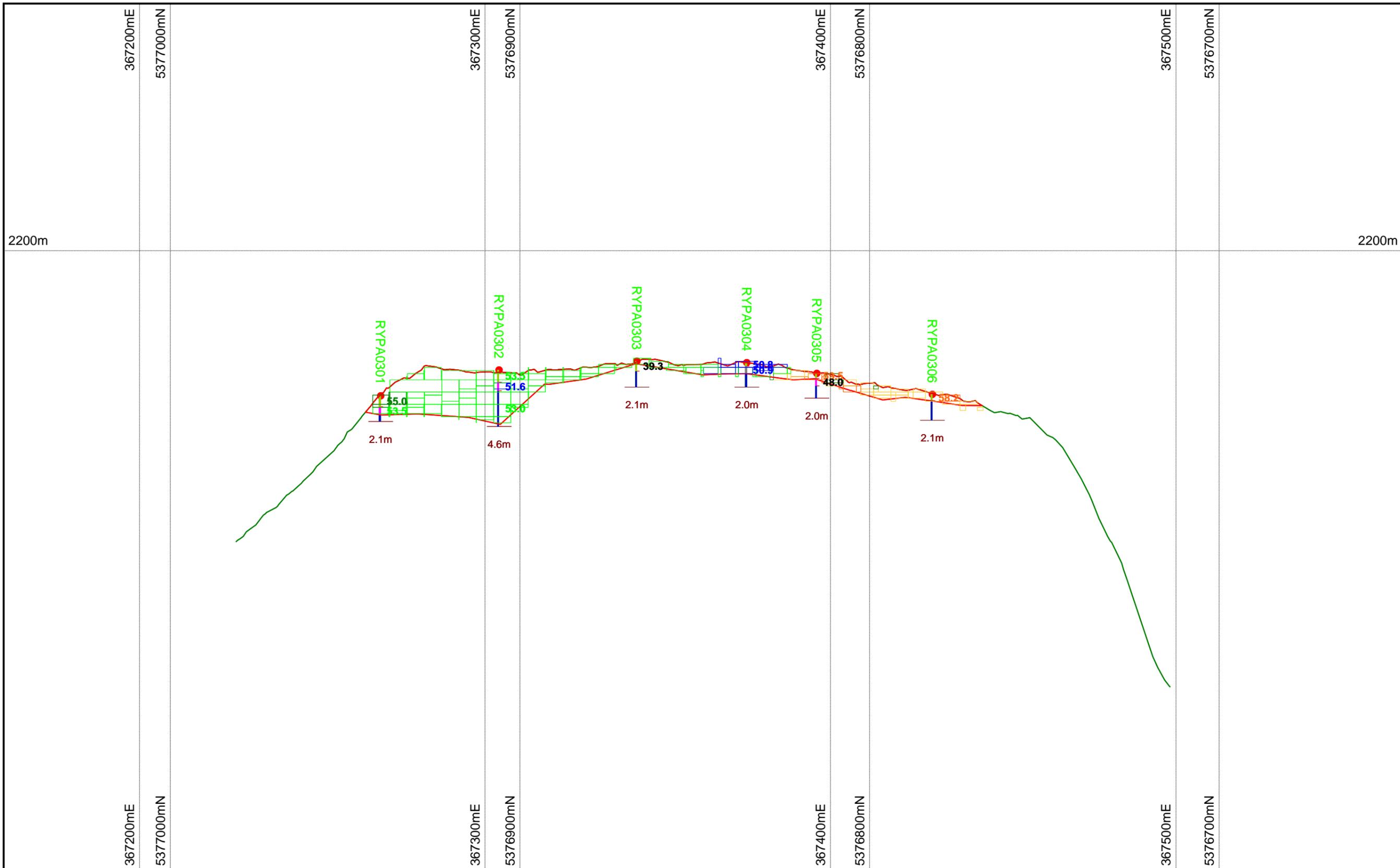
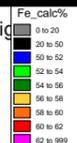


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Red outline = Resource Wireframe, Feb2012
Green outline = DTM RYlidar_gmrd
Pit traces coloured by lithology:
Green = hematitic gravel
Pink = cemented Laterite
Blue = clay
5x vertical exaggeration applied

X Scale = 1 : 1500
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Plot Date
27-Apr-2012

Sheet
1 of 1

Plot File: RYPA03



Section RYPA03
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

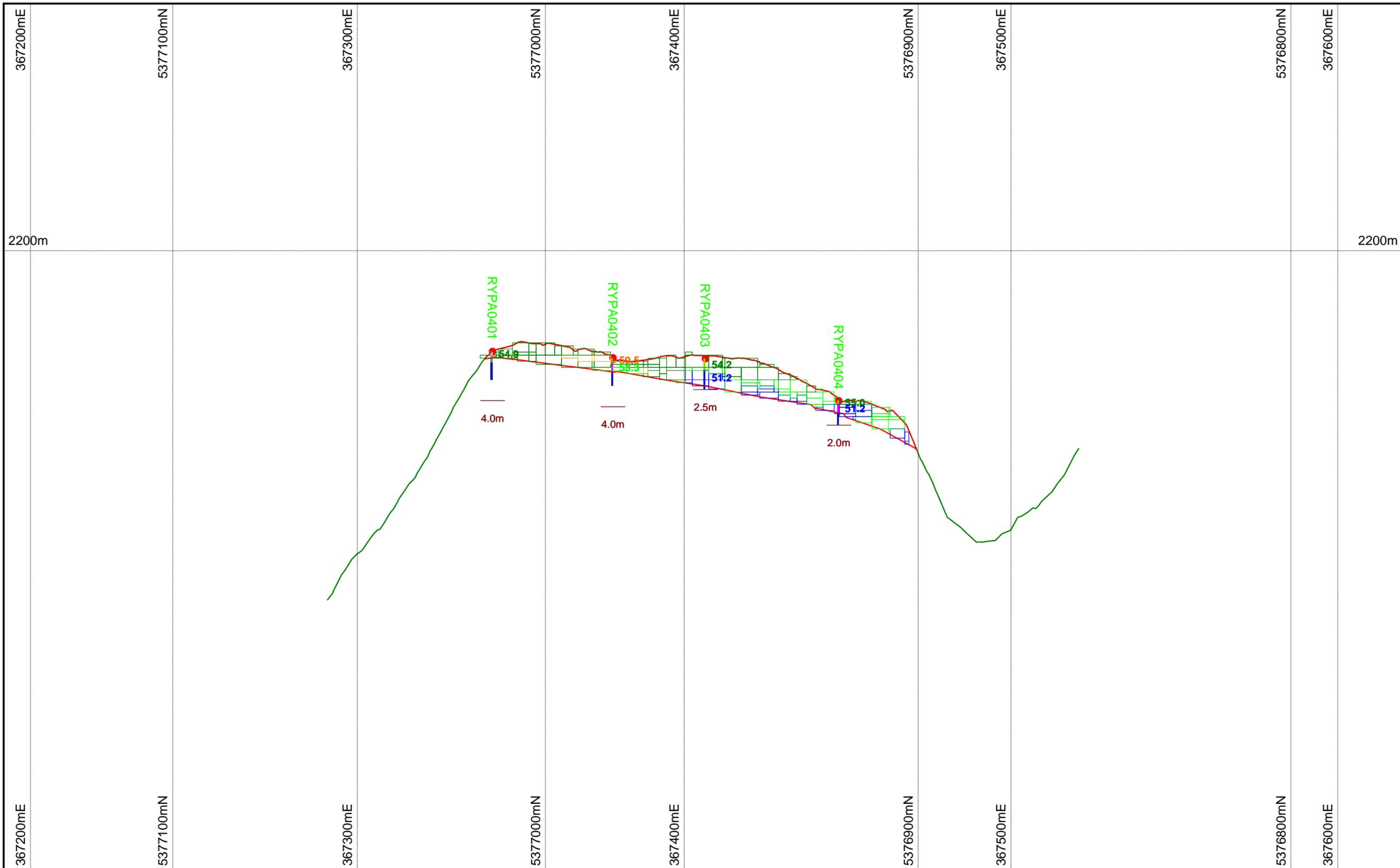
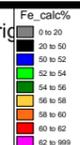


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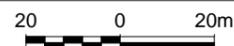
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27-Apr-2012

Sheet
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Plot File: RYPA04



Section RYPA04
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

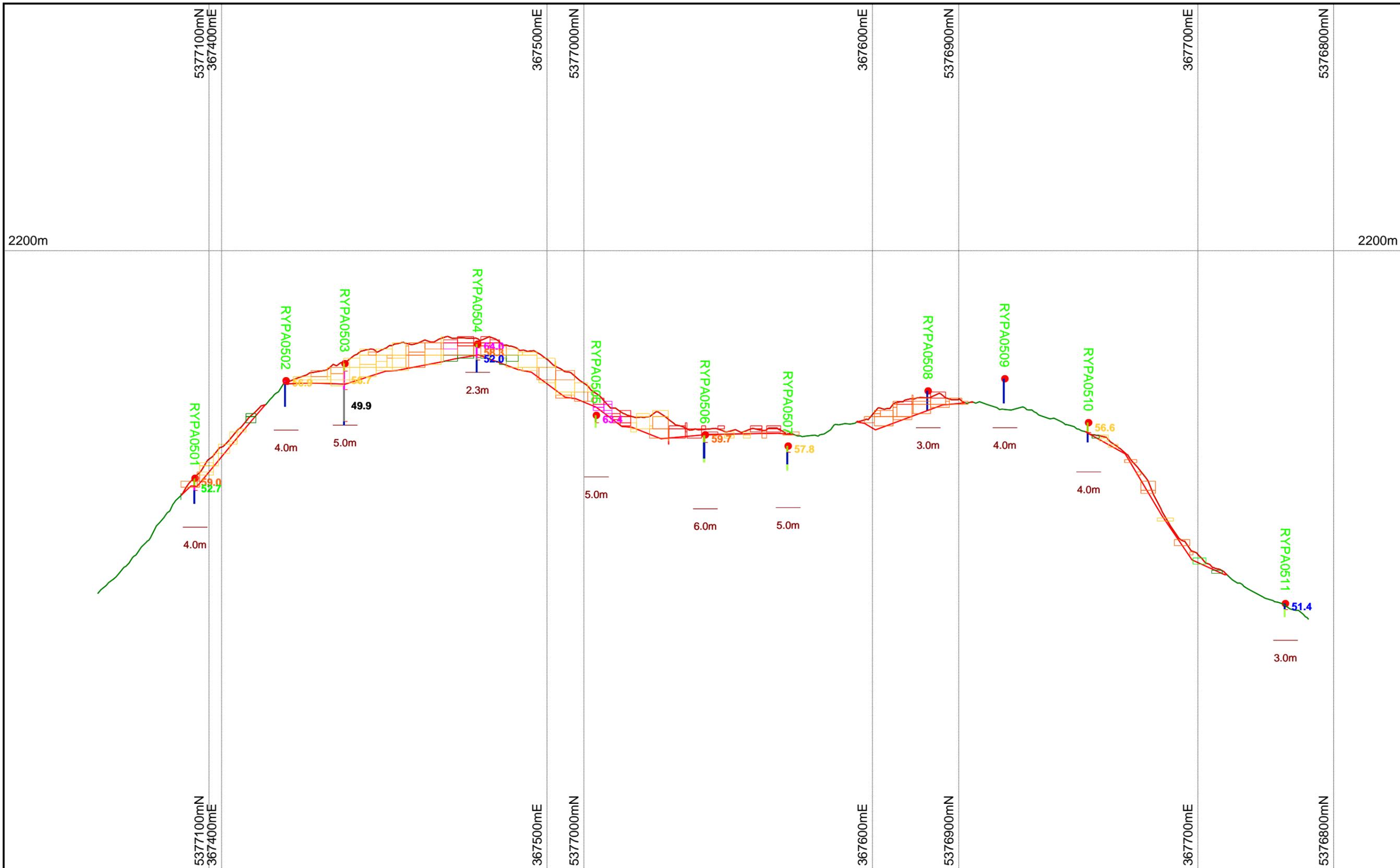
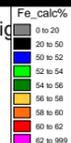


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Pit traces coloured by lithology:
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Plot Date
27-Apr-2012

Sheet
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Plot File: RYPA05



Section RYPA05
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Mt Lindsay Project
Riley Creek DSO

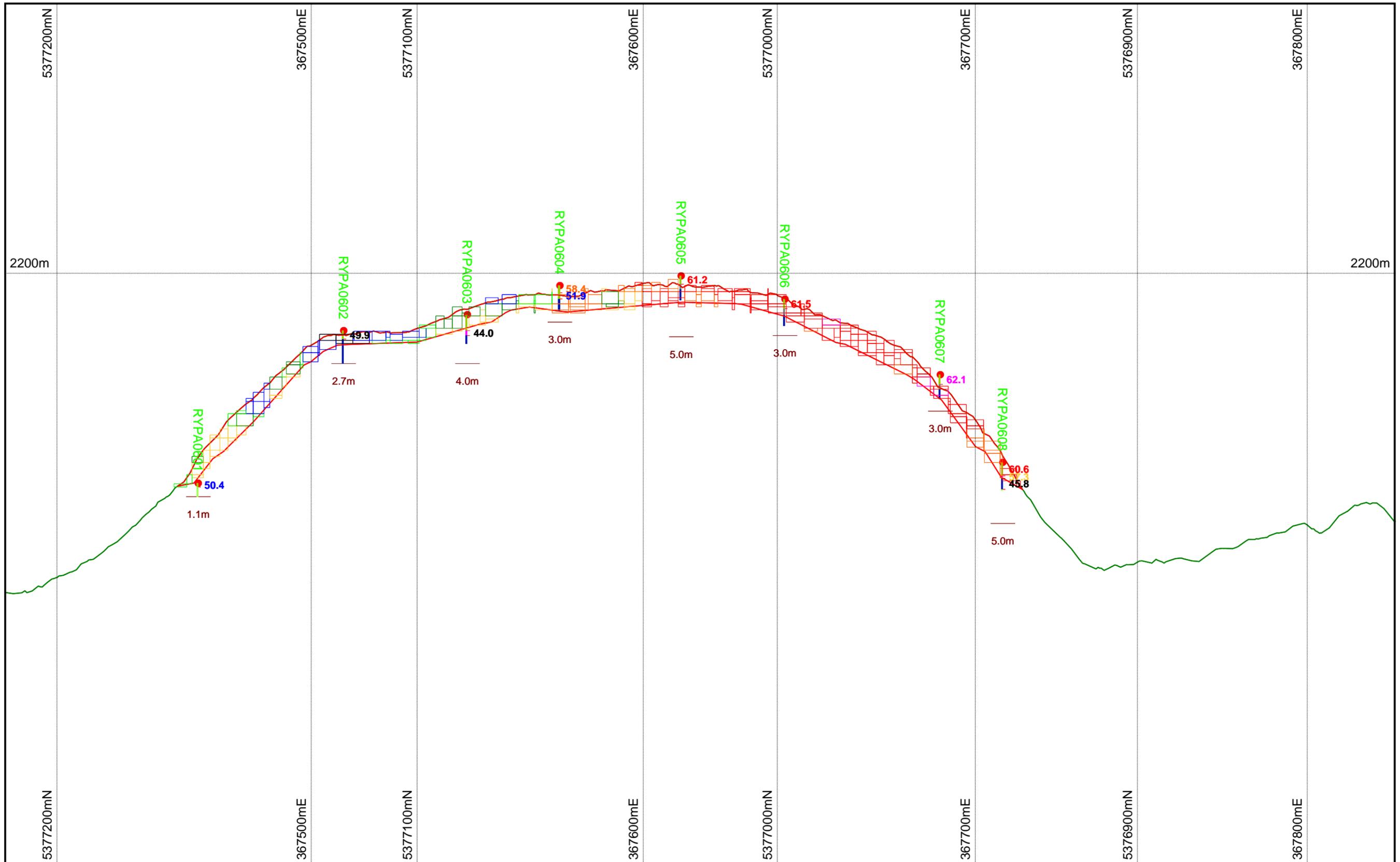


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 Pink = cemented Laterite
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Mt Lindsay Project
Riley Creek DSO

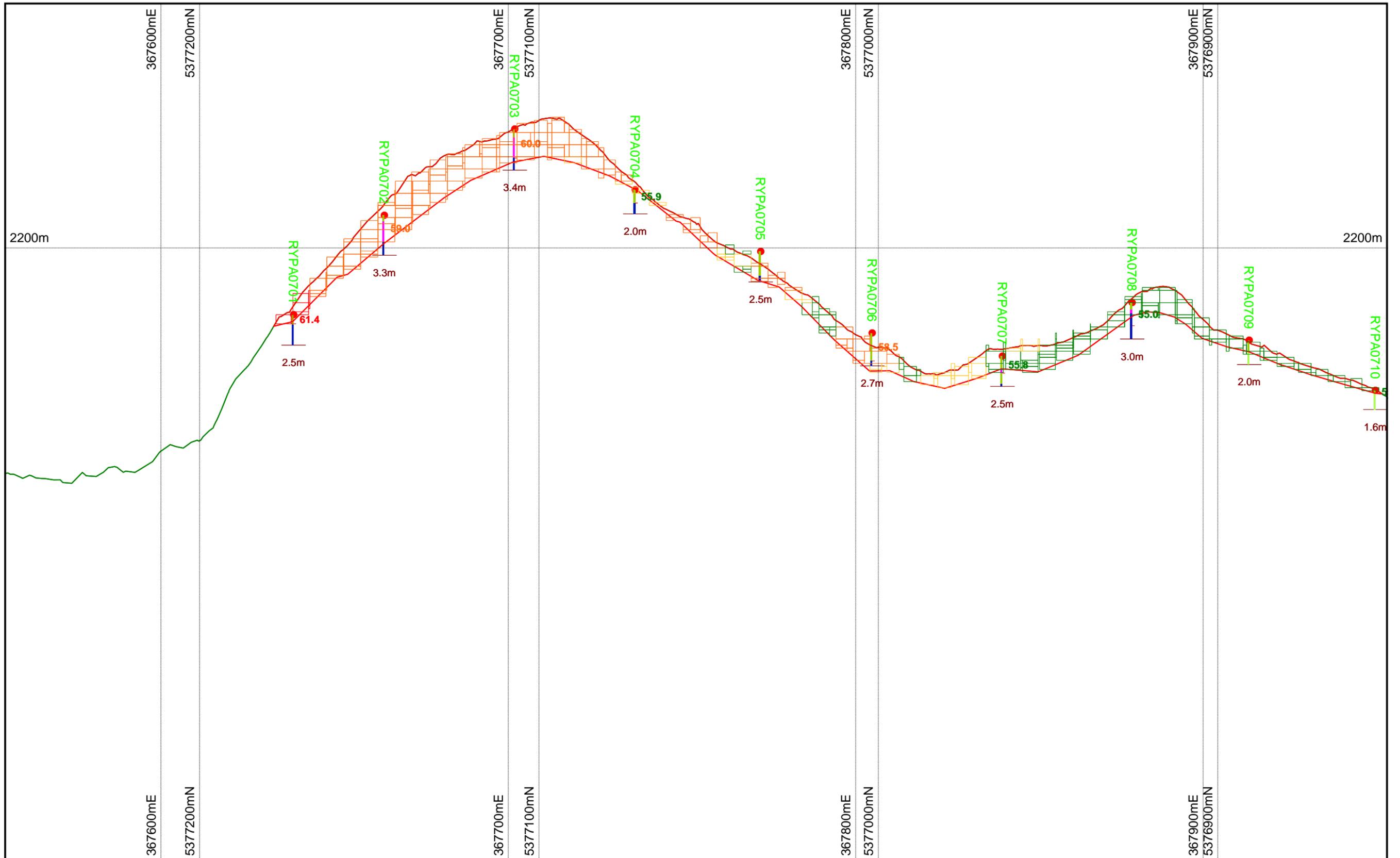


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 Pink = cemented Laterite
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Mt Lindsay Project Riley Creek DSO

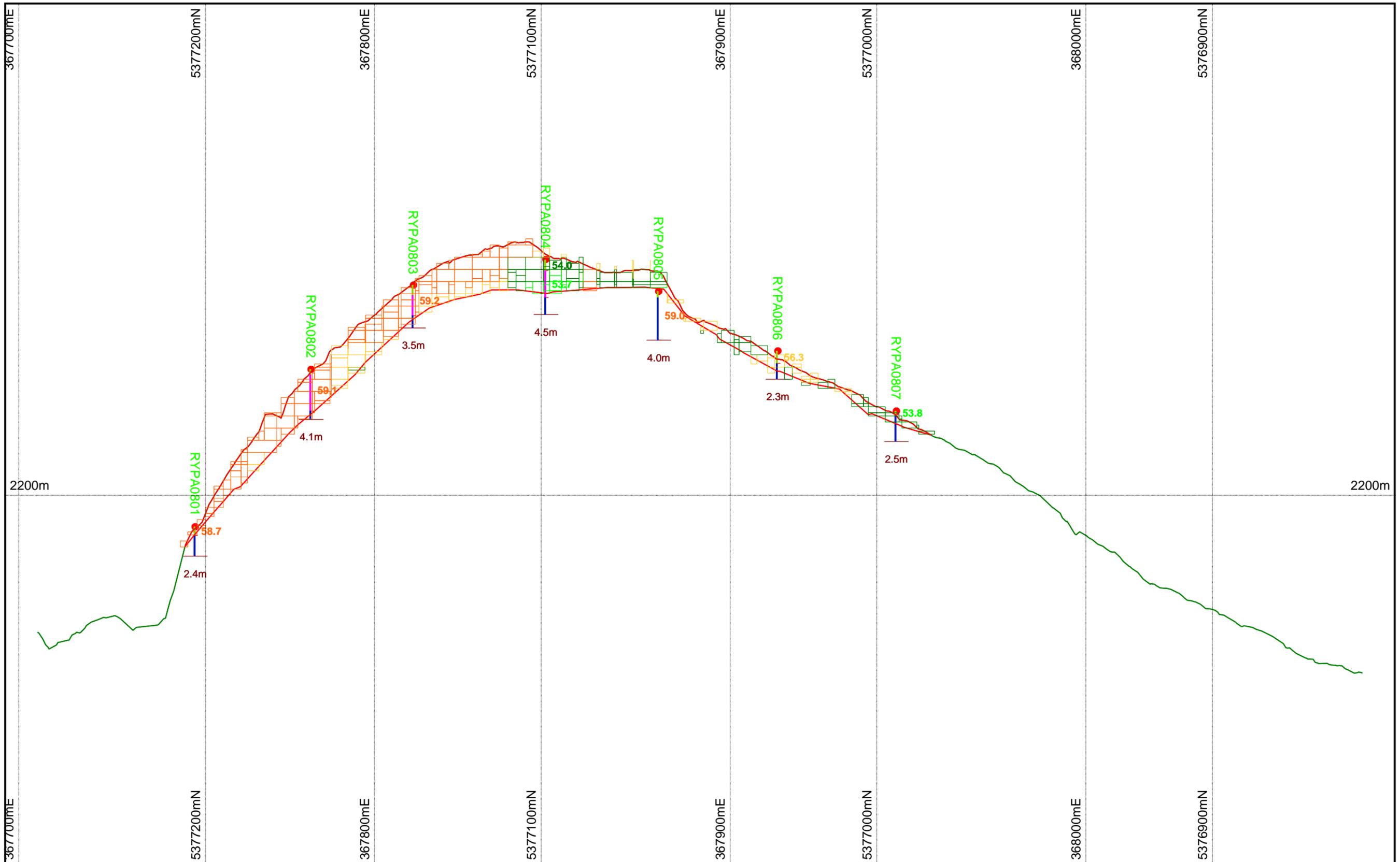
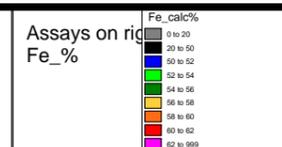


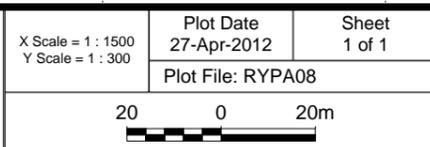
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Section RYPA08
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Mt Lindsay Project
Riley Creek DSO

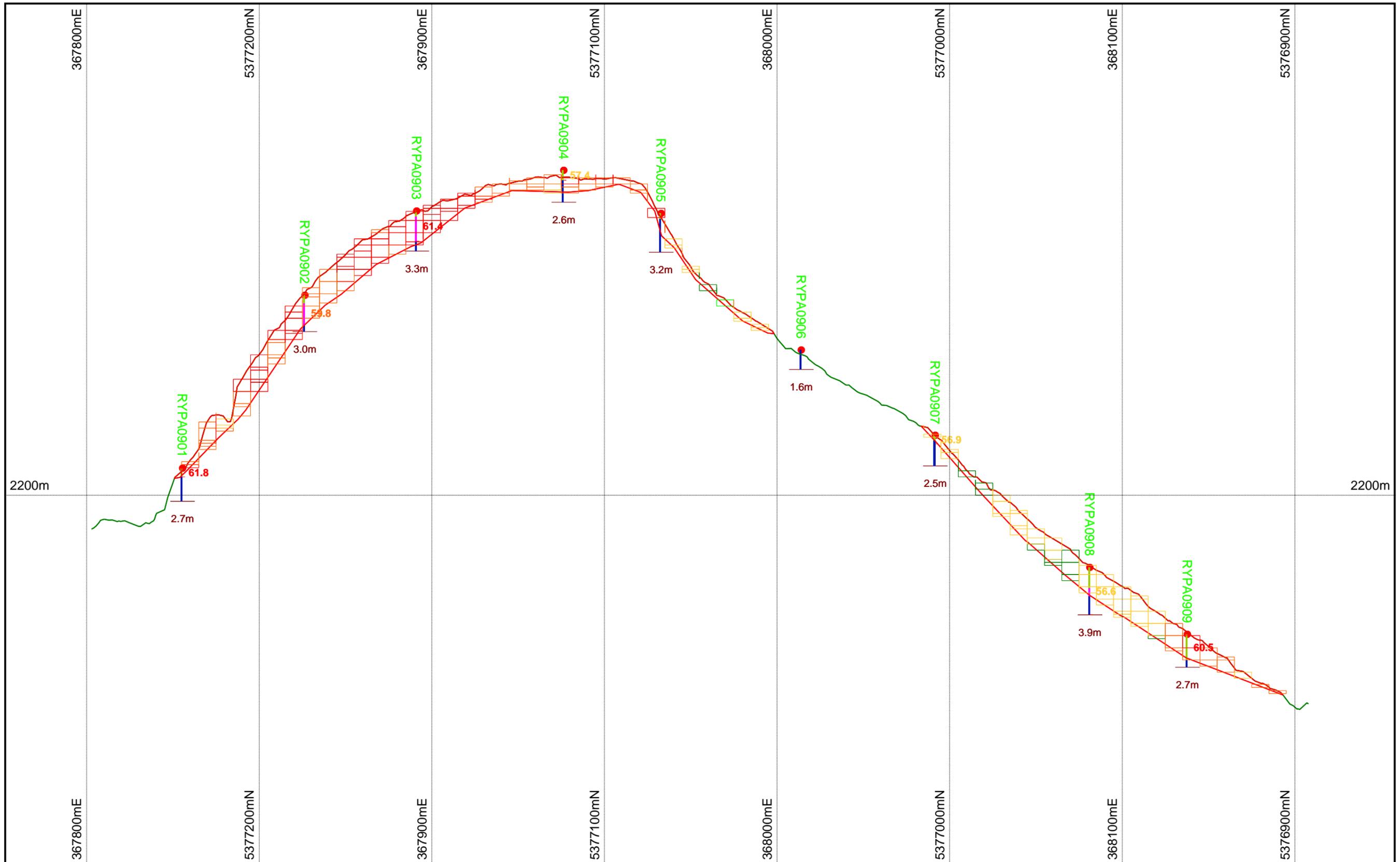
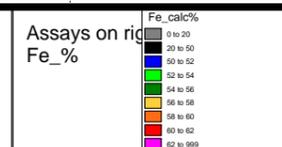


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Pit traces coloured by lithology:
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Pink = cemented Laterite
Blue = clay

5x vertical exaggeration applied

X Scale = 1 : 1500
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Plot File: RYPA09

Sheet 1 of 1

Section RYPA09
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

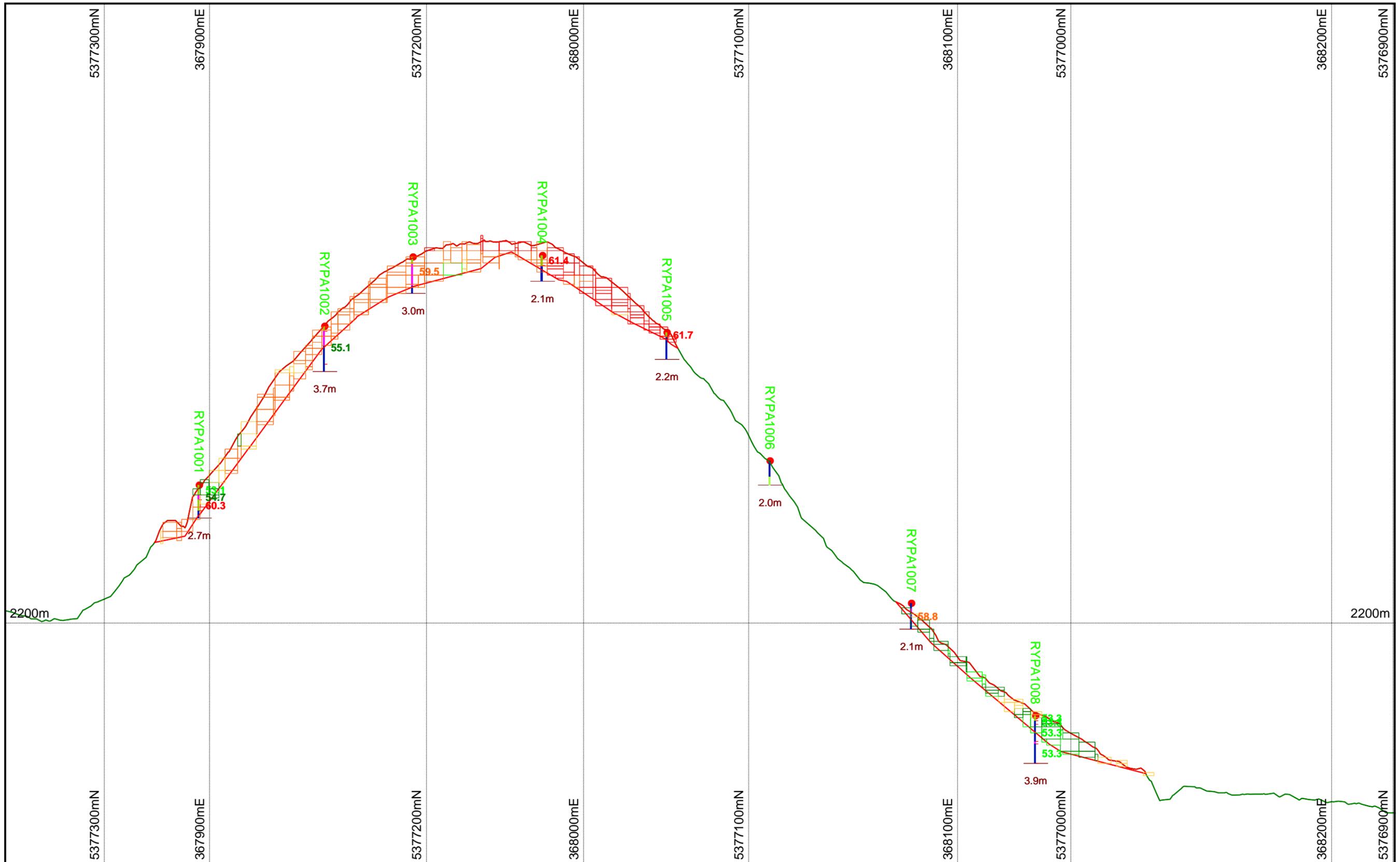
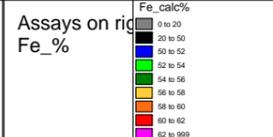


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 Pink = cemented Laterite
 Blue = clay
 5x vertical exaggeration applied

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 Plot File: RYPA10

Sheet: 1 of 1

Section RYPA10 view towards MGA SE

Mt Lindsay Project Riley Creek DSO

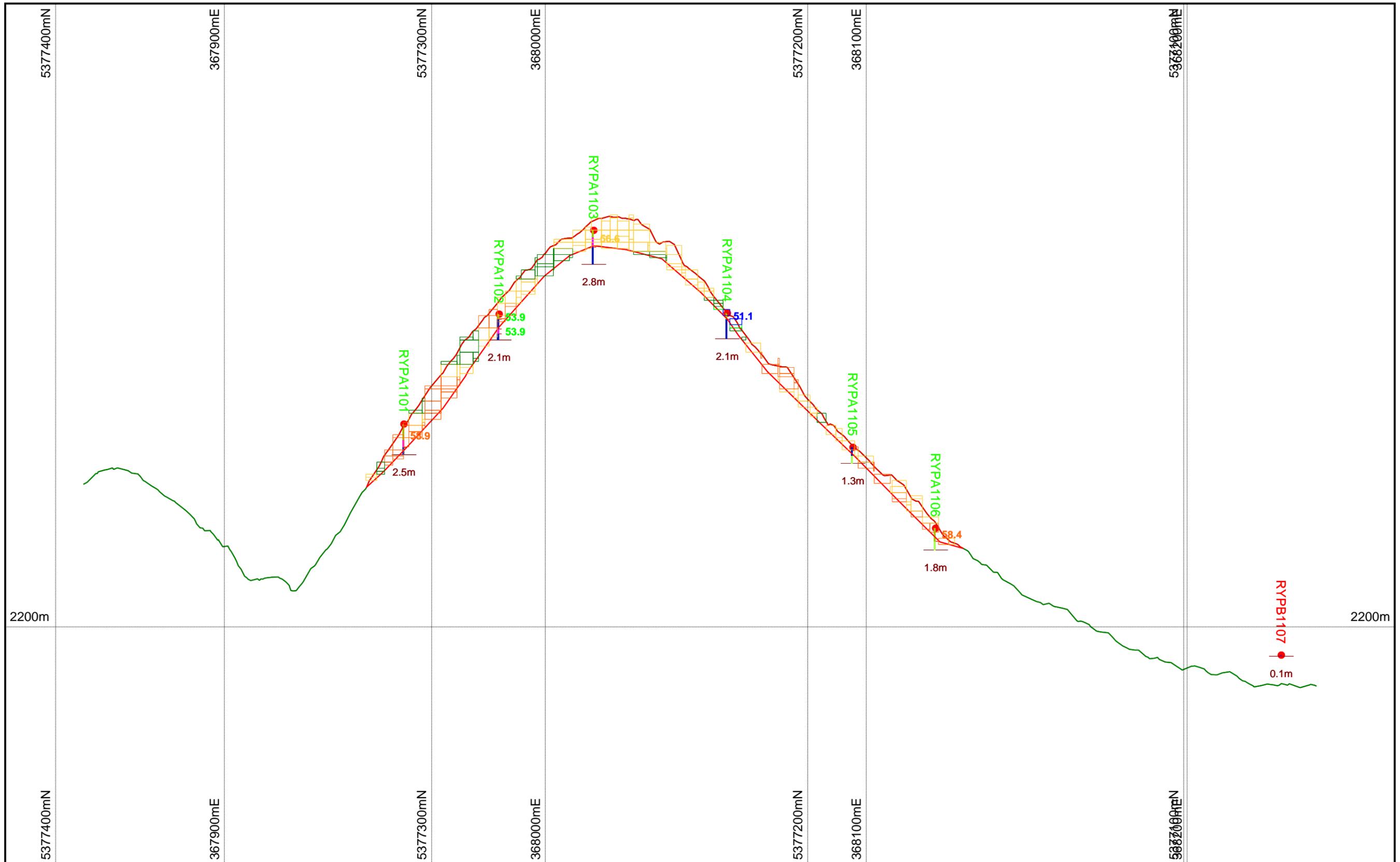
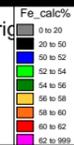


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Pit traces coloured by lithology:
Green = hematitic gravel
Pink = cemented Laterite
Blue = clay
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Section RYPA11
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

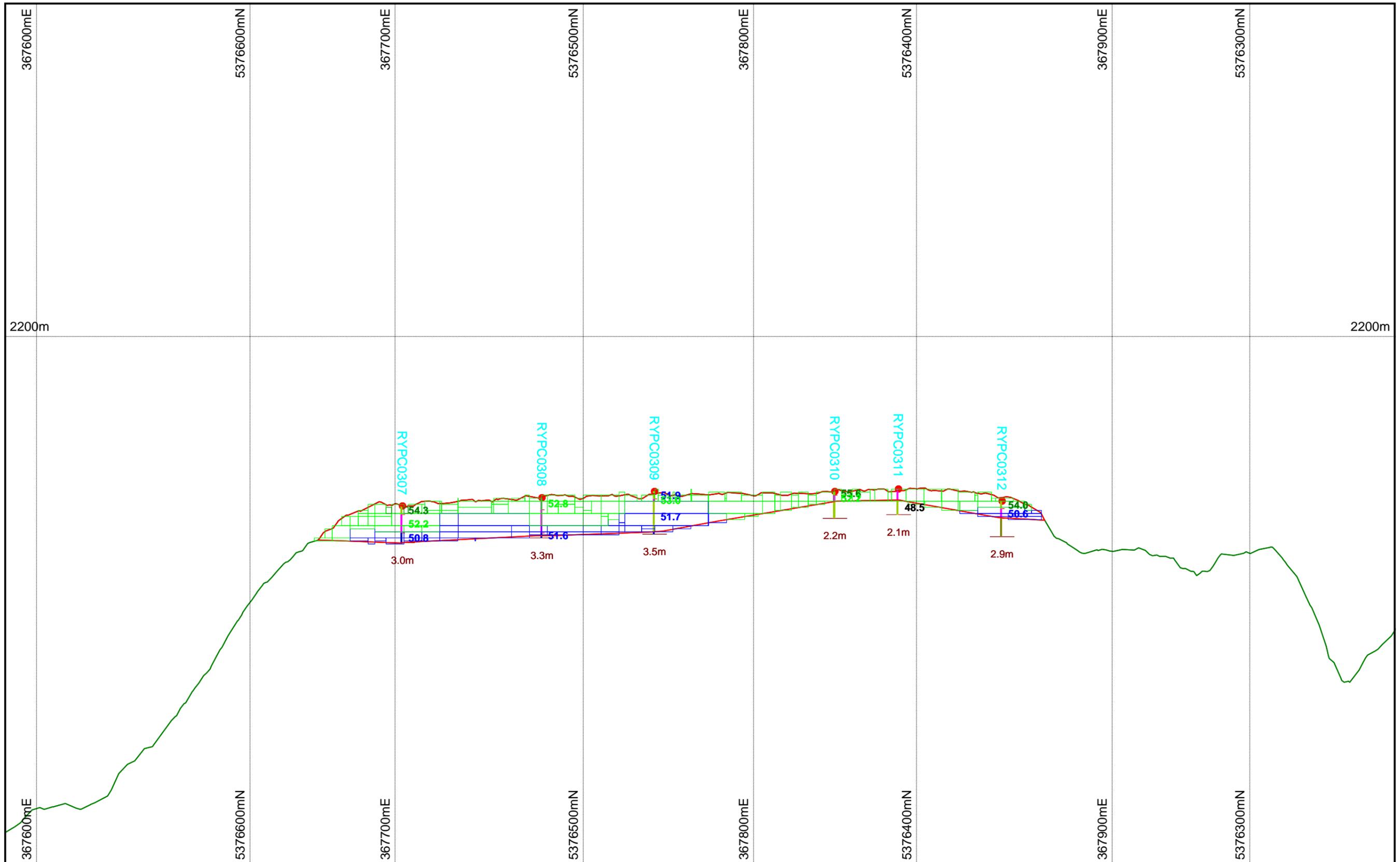
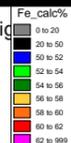


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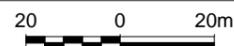
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Green = hematitic gravel
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5x vertical exaggeration applied

X Scale = 1 : 1500
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Plot Date
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Sheet
1 of 1

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Section RYPC03
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Mt Lindsay Project
Riley Creek DSO

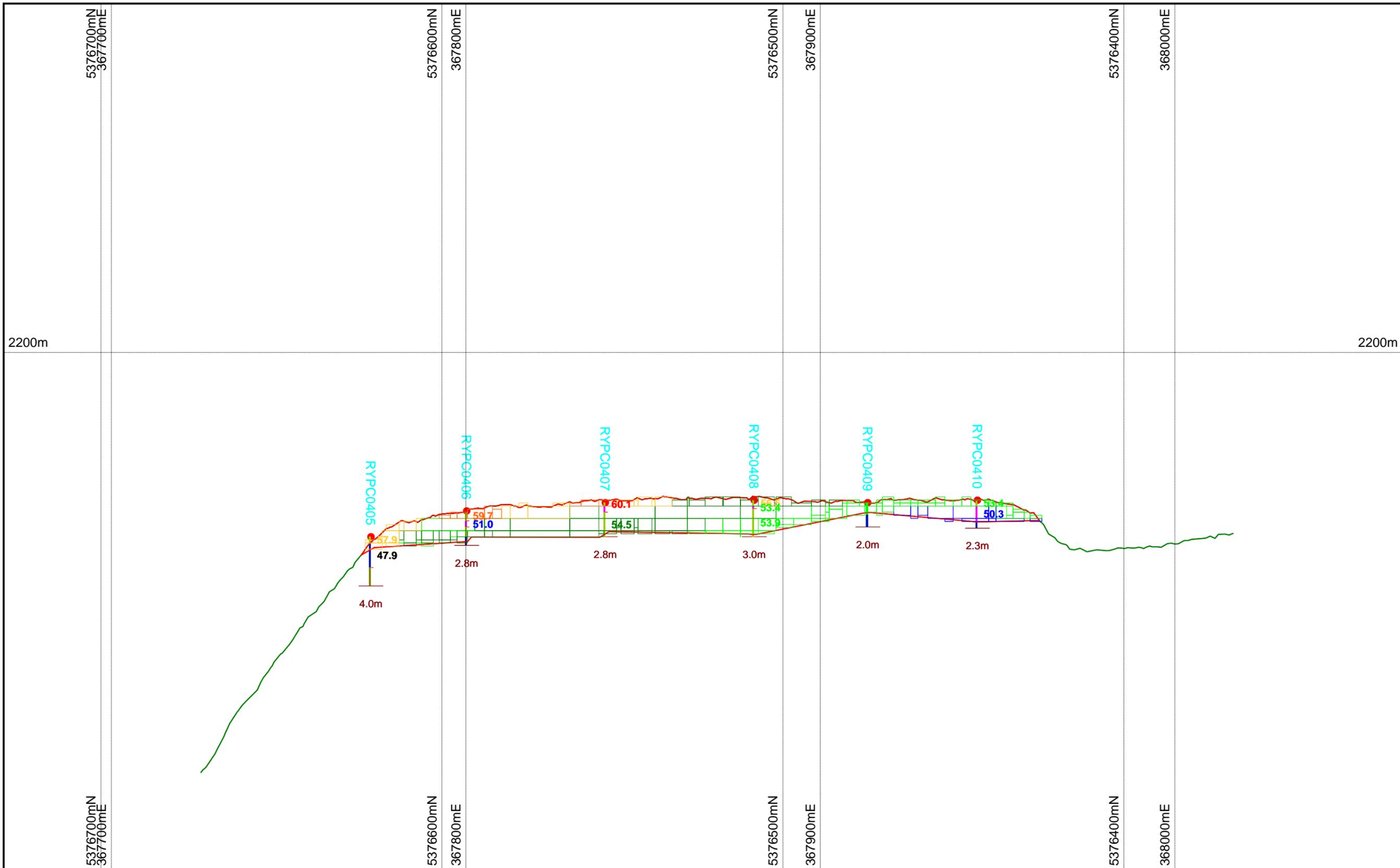


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| 60 to 62 |
| 62 to 999 |

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Section RPYC04 view towards MGA SE

Mt Lindsay Project Riley Creek DSO

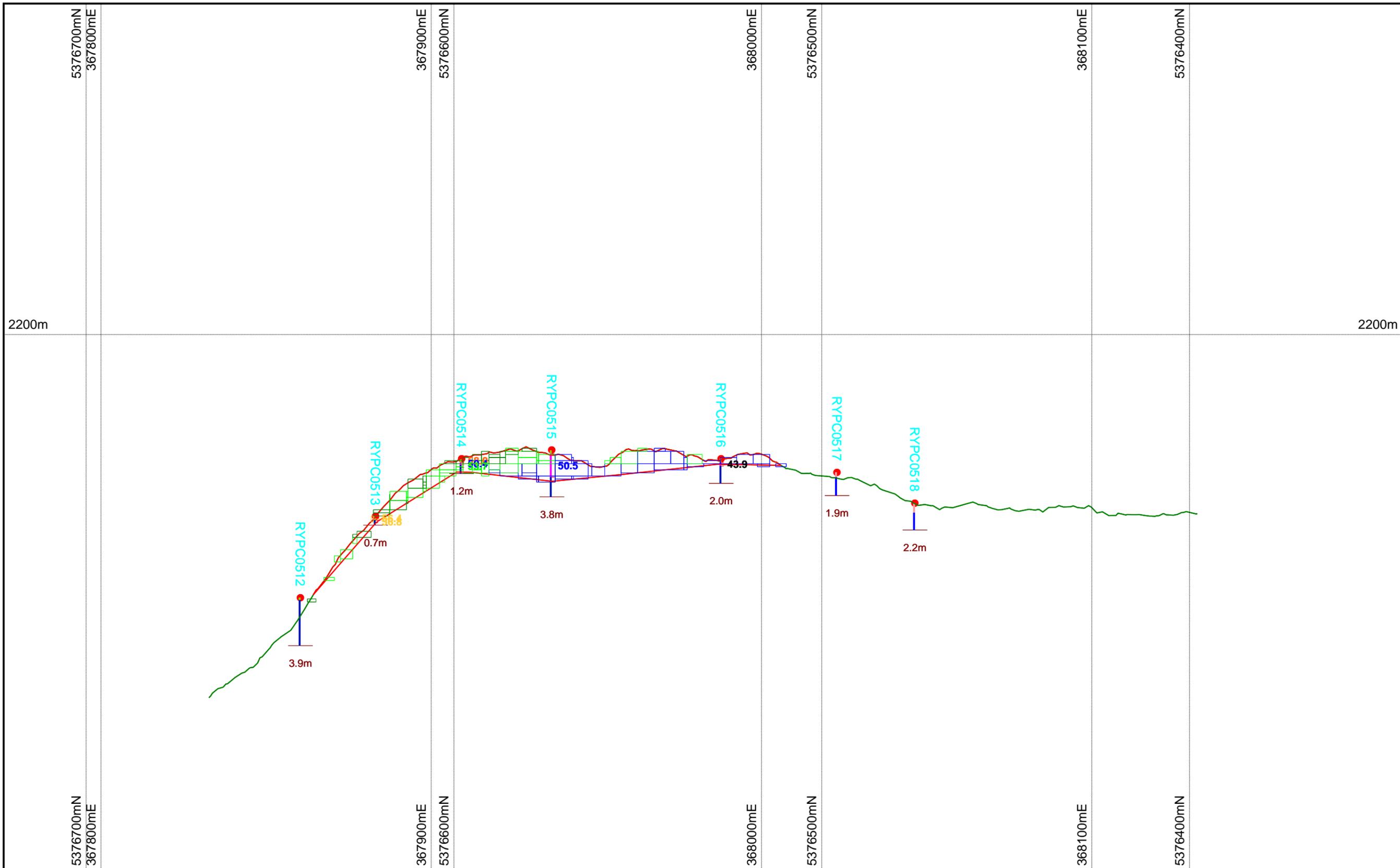
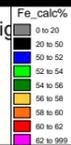


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Plot Date
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Plot File: RYPC05



Section RYPC05
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Mt Lindsay Project
 Riley Creek DSO

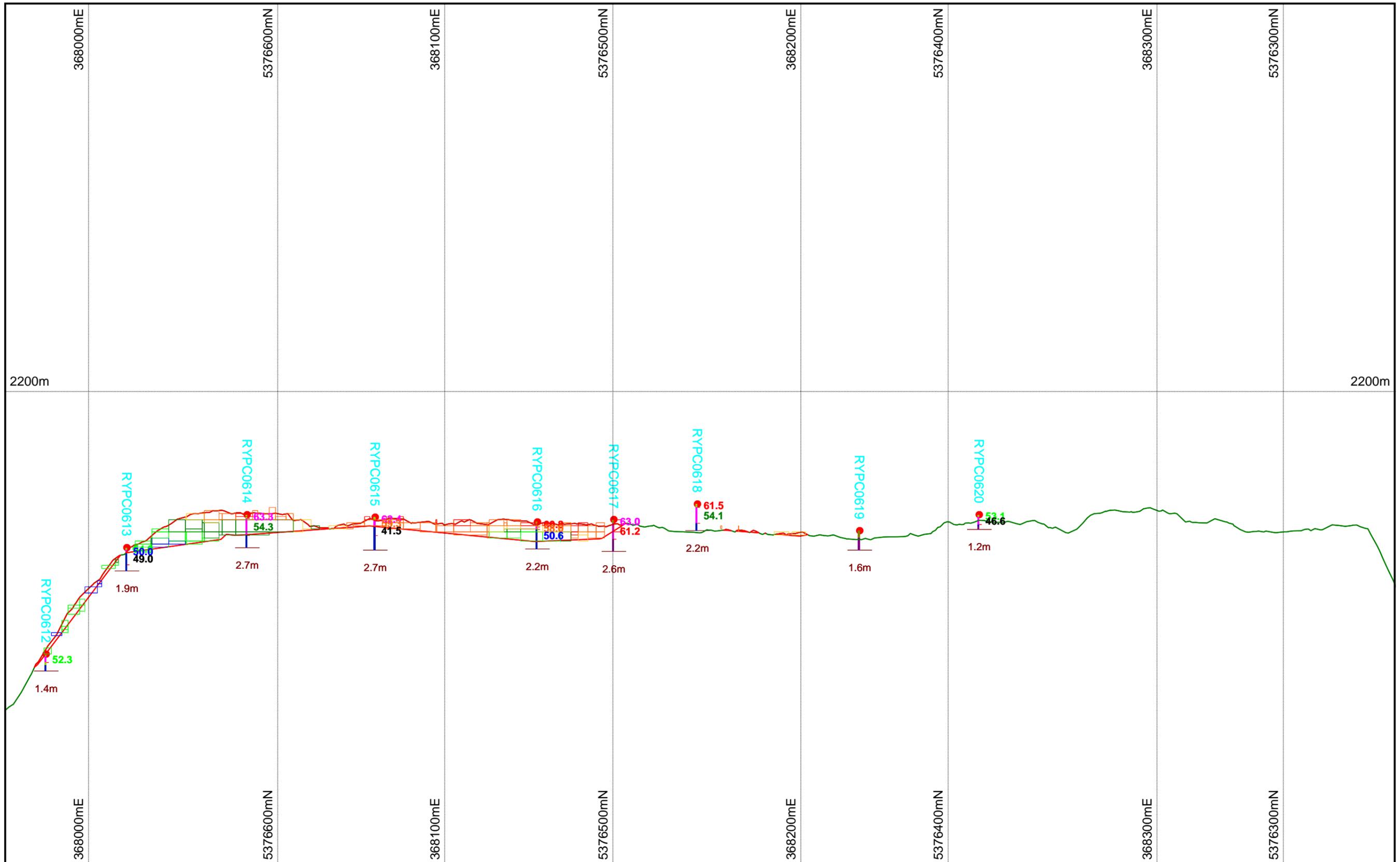
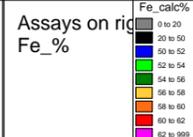


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Plot Date
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Sheet
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Section RYPC06
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

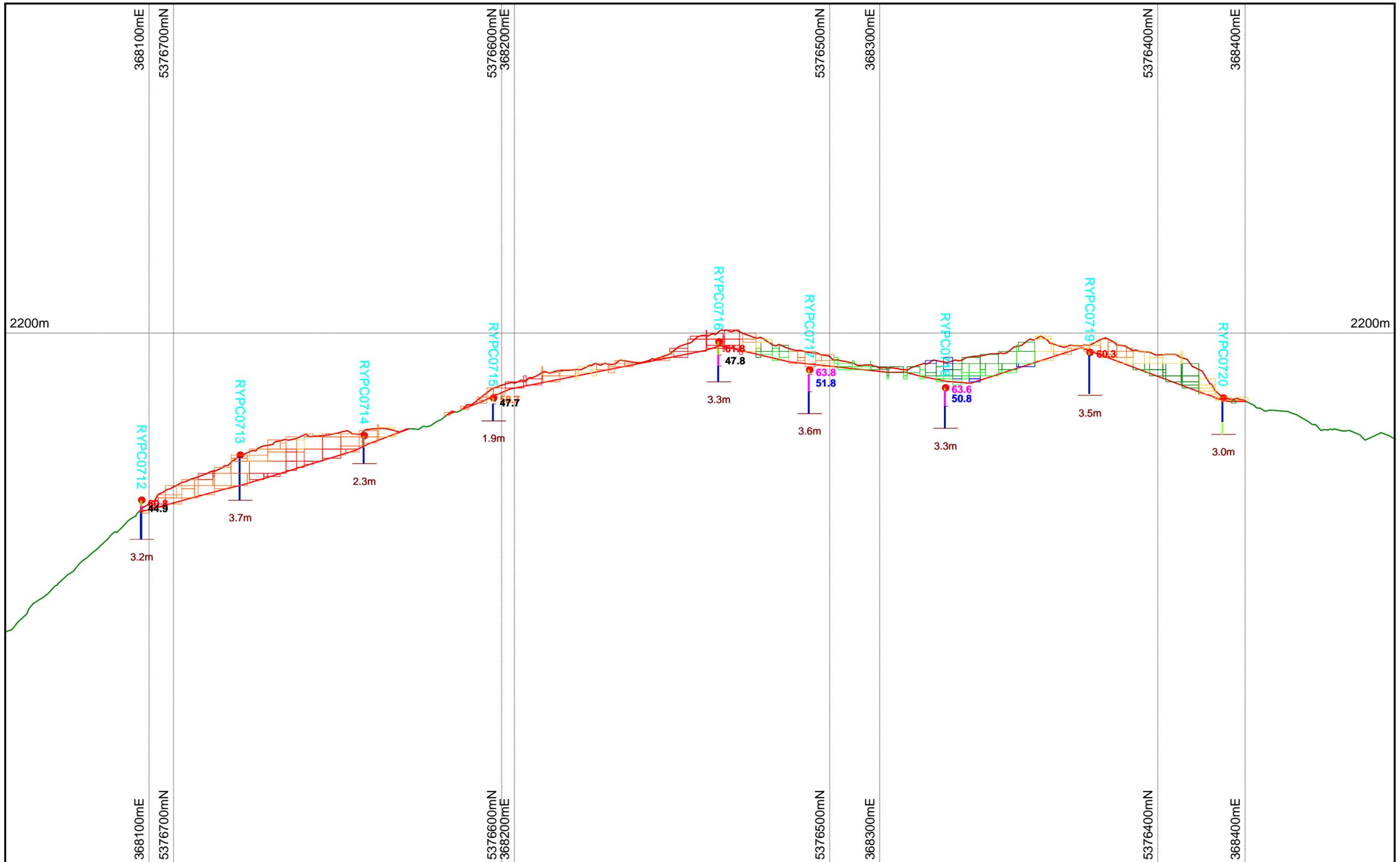
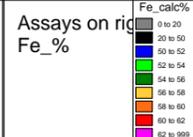


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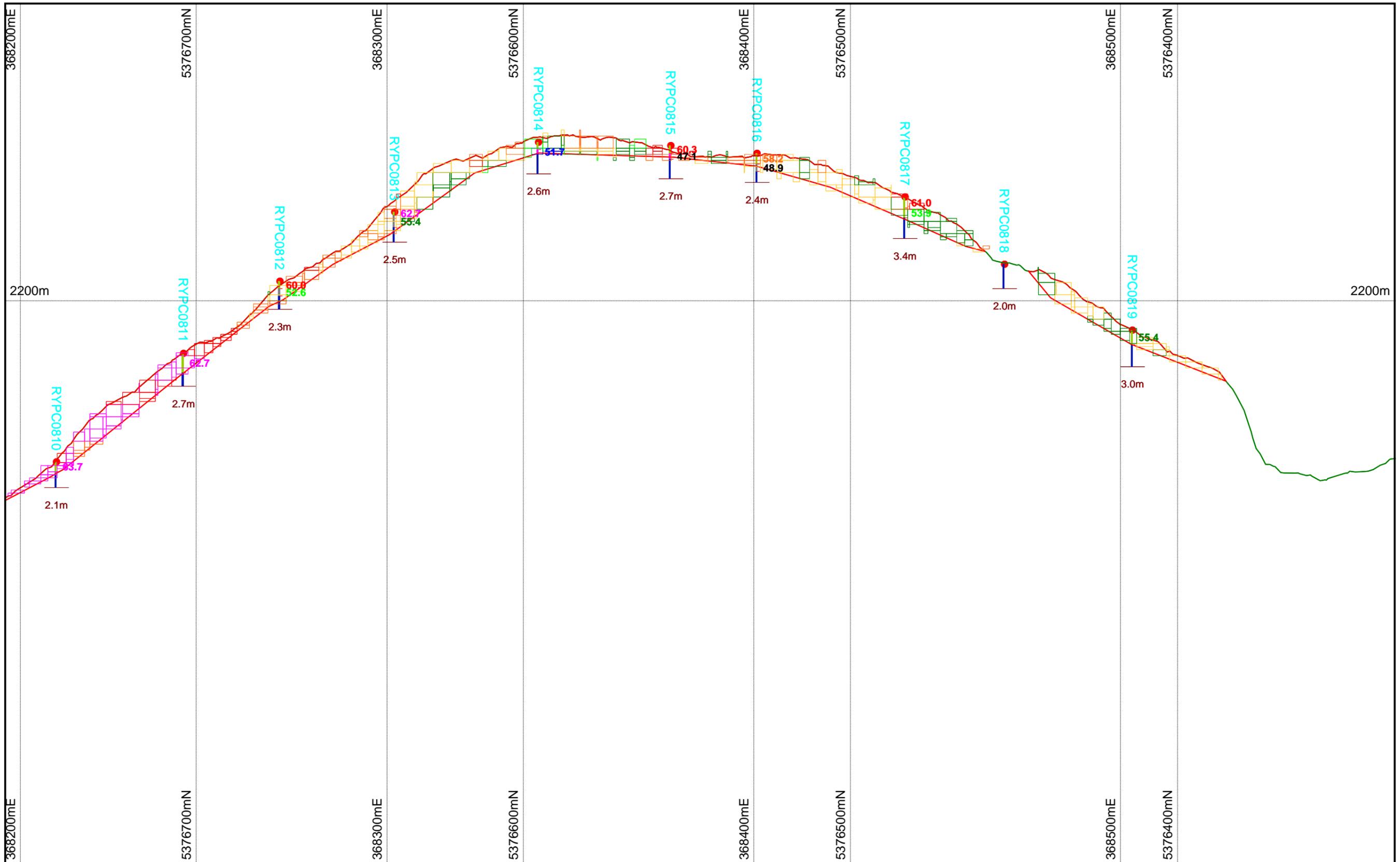


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Section RYPC07
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO



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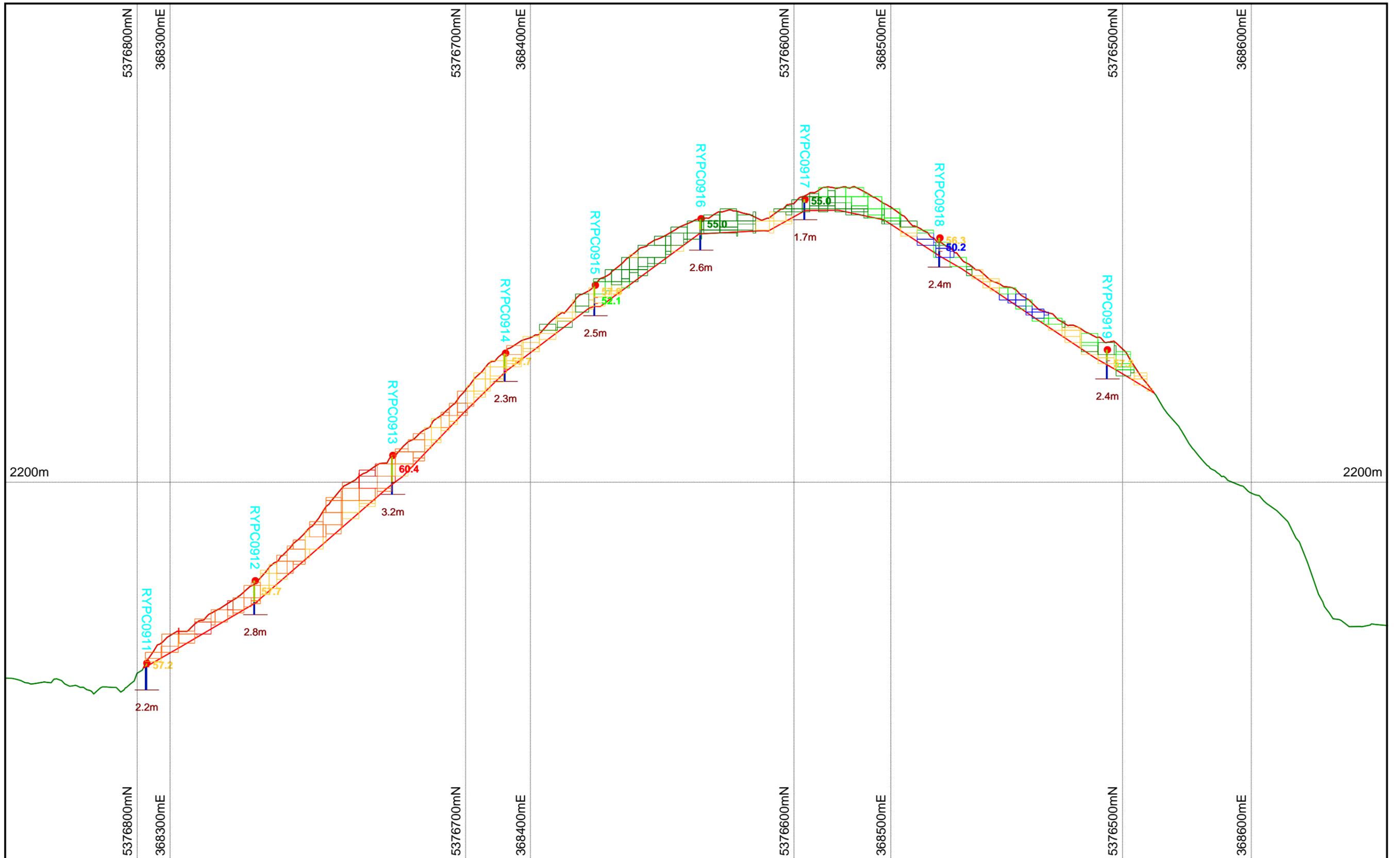
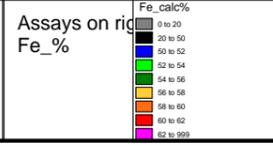
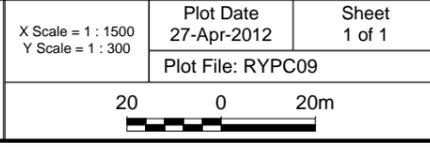


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Red outline = Resource Wireframe, Feb2012
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Pit traces coloured by lithology:
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Pink = cemented Laterite
Blue = clay
5x vertical exaggeration applied



Section RYPC09
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

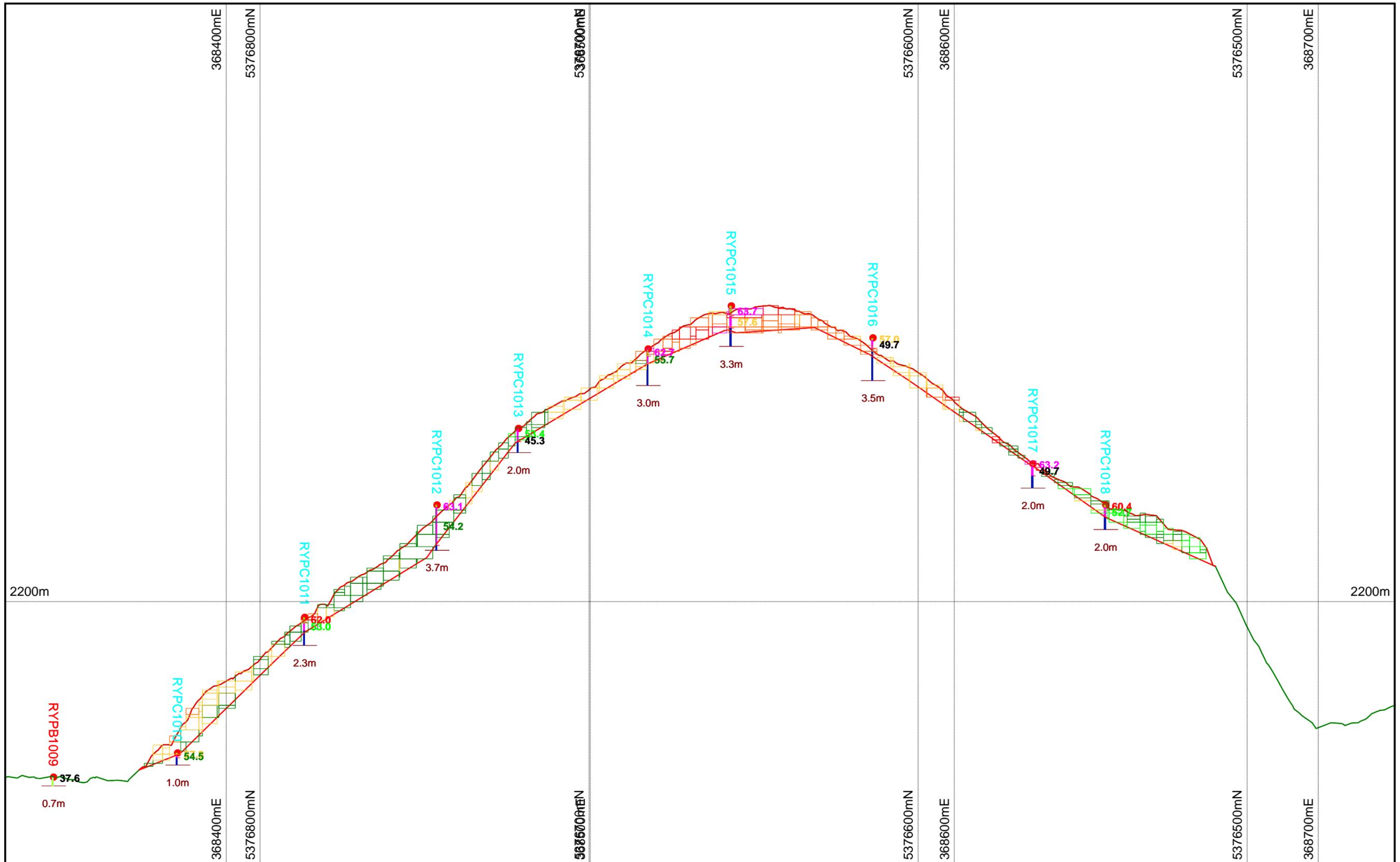
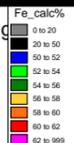


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Fe_%



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Pit traces coloured by lithology:
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Pink = cemented Laterite
Blue = clay
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Section RYPC10
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

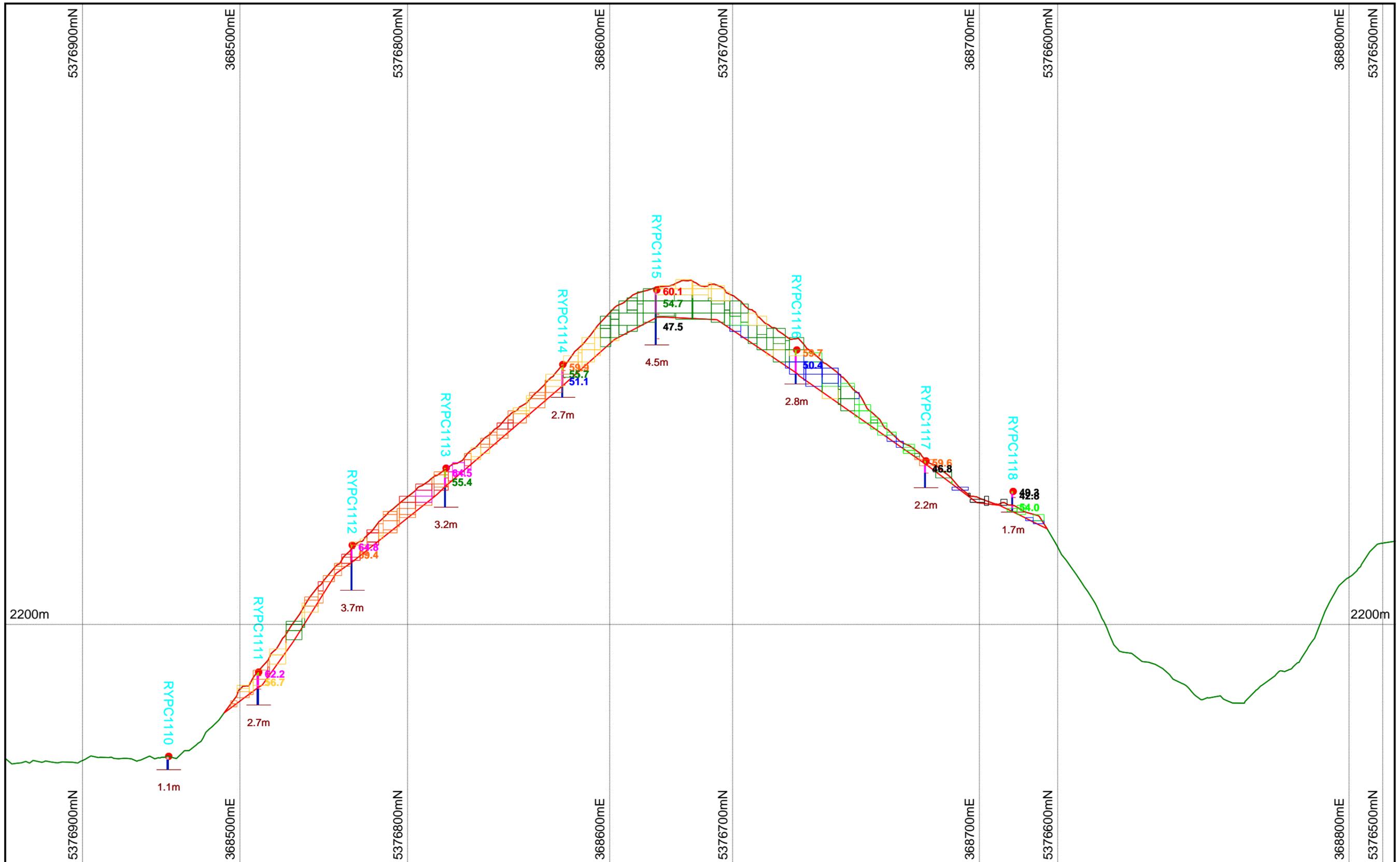
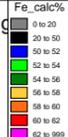


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Section RYPC11
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Mt Lindsay Project
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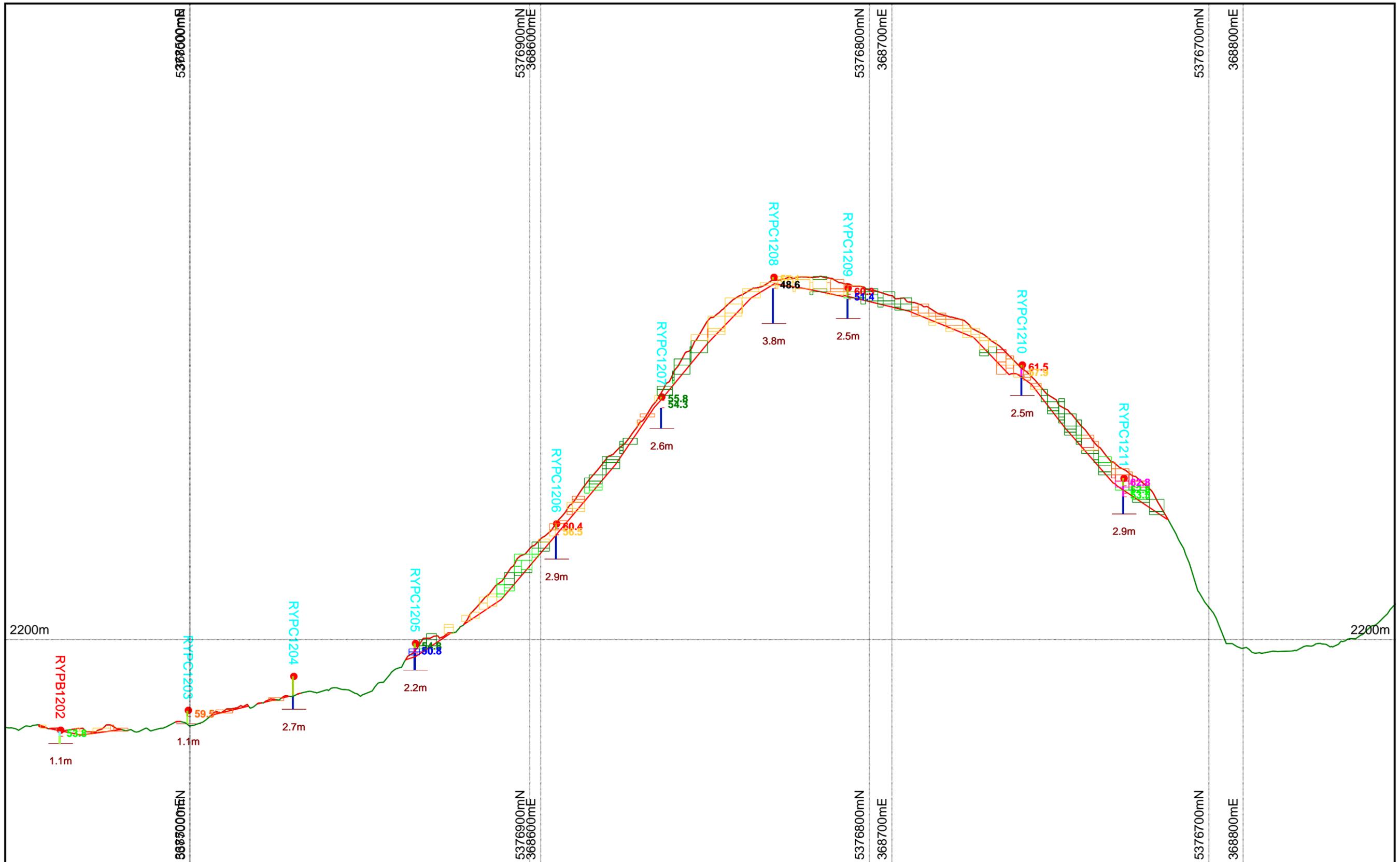
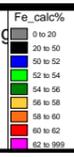


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Plot File: RYPC12



Section RYPC12
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Mt Lindsay Project
Riley Creek DSO

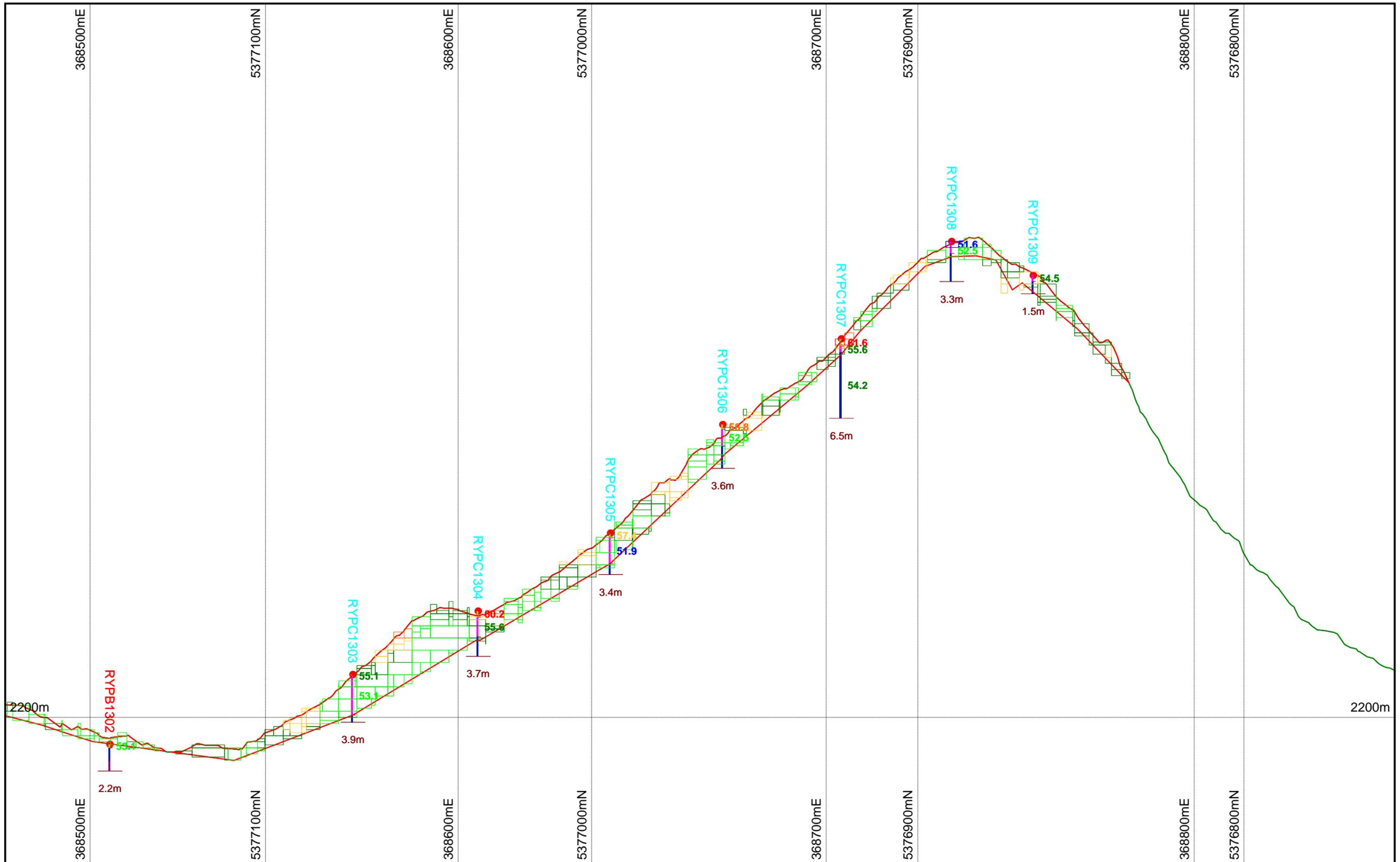


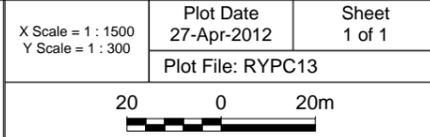
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Blue = clay

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Section RYPC13
view towards MGA SE

Mt Lindsay Project
Riley Creek DSO

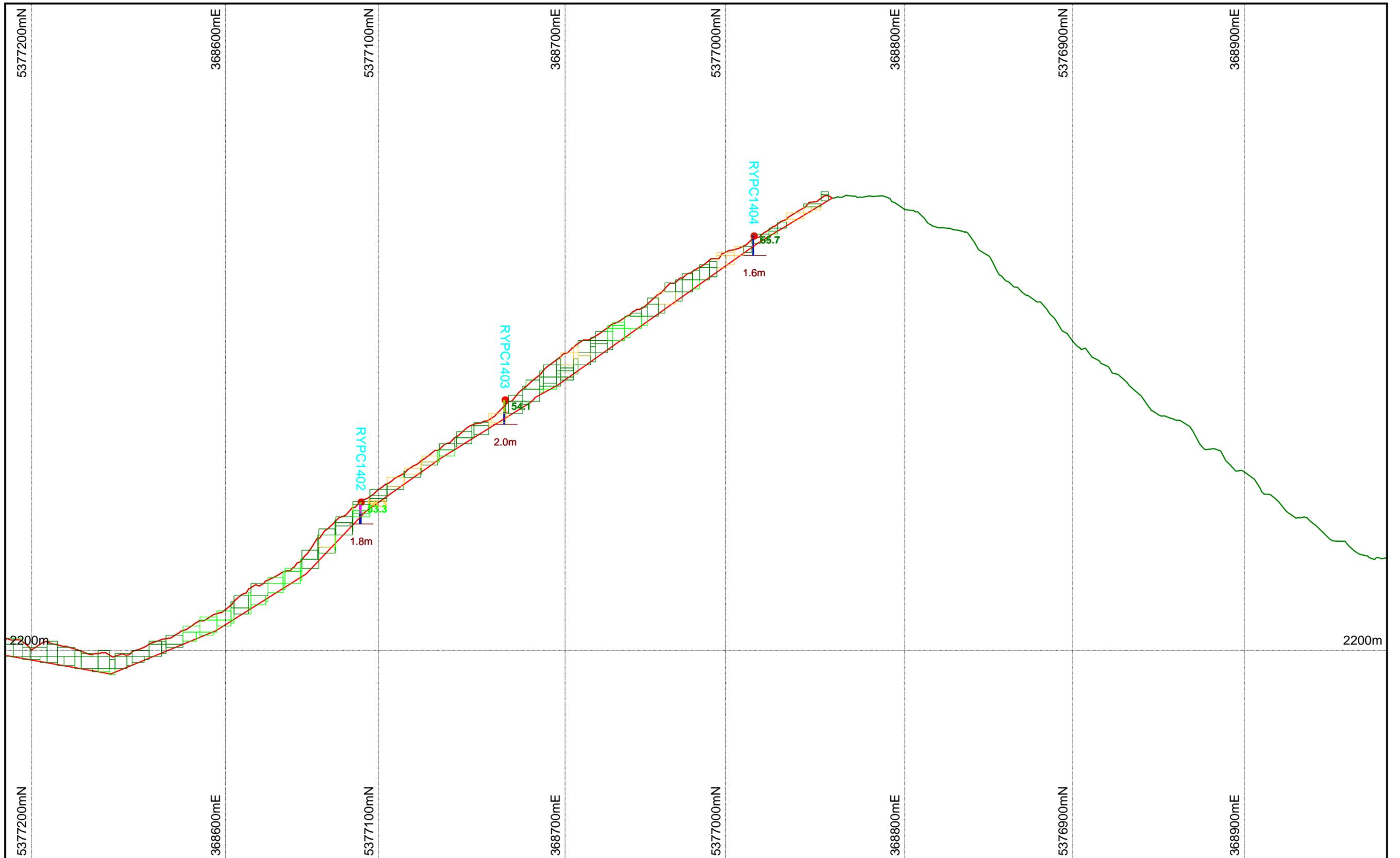
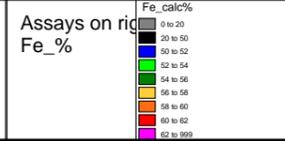
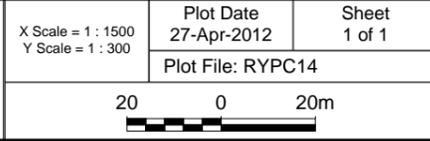


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Red outline = Resource Wireframe, Feb2012
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 Pit traces coloured by lithology:
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 Pink = cemented Laterite
 Blue = clay
 5x vertical exaggeration applied



Section RYPC14
 view towards MGA SE

Mt Lindsay Project
 Riley Creek DSO

Appendix H

Flora and Fauna Survey Reports

RILEY CREEK AND MERTON HILL EL 45/2010

EXPLORATION PROGRAM

BOTANICAL SURVEY

FOR VENTURE MINERALS LTD

8th October 2011



PHILIP MILNER LANDSCAPE CONSULTANT PTY LTD

144 Allisons Road, LOWER BARRINGTON
POSTAL: C/O Post Office, BARRINGTON, 7306
TASMANIA

Mobile: 0417 052 605
Home Phone: (03) 6492 3201
Email: philip.milner@bigpond.com

ABN No. 32 068 906 258

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1.1 Background

1.2 Objectives

1.3 Location of Study Area

1.4 Site Description

2.0 DESKTOP SURVEY OF NATURAL VALUES

2.1 Desktop Survey Results

3.0 FIELD SURVEY

3.1 Methodology

3.2 Limitations

3.3 Field Survey Results

4.0 CONCLUSIONS

5.0 RECOMMENDATIONS

APPENDIX 1

PHOTOS

1.0 INTRODUCTION:

1.1 Background:

Venture Minerals Ltd is undertaking an exploratory soil and stream sediment sampling program within the Riley Creek/ Merton Hill prospect EL45/2010. The work program will involve manual sampling of site soils and the sampling of sediments along stream beds. Sampling areas will be accessed from existing gravel roads and vehicular tracks. A botanical survey is required as part of the MRT license conditions in order to determine possible impacts on threatened species or threatened vegetation communities within the target areas.

1.2 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.

1.3 Location of Study Area:

EL45/2010 is located about 25 kilometres west of Tullah off the Pieman Road in western Tasmania. The Merton Hill proposed work area within the lease is located on the northern side of the Pieman Road and the Riley Creek work area is located to the south of this road.



MAP 1: Location of Study Area

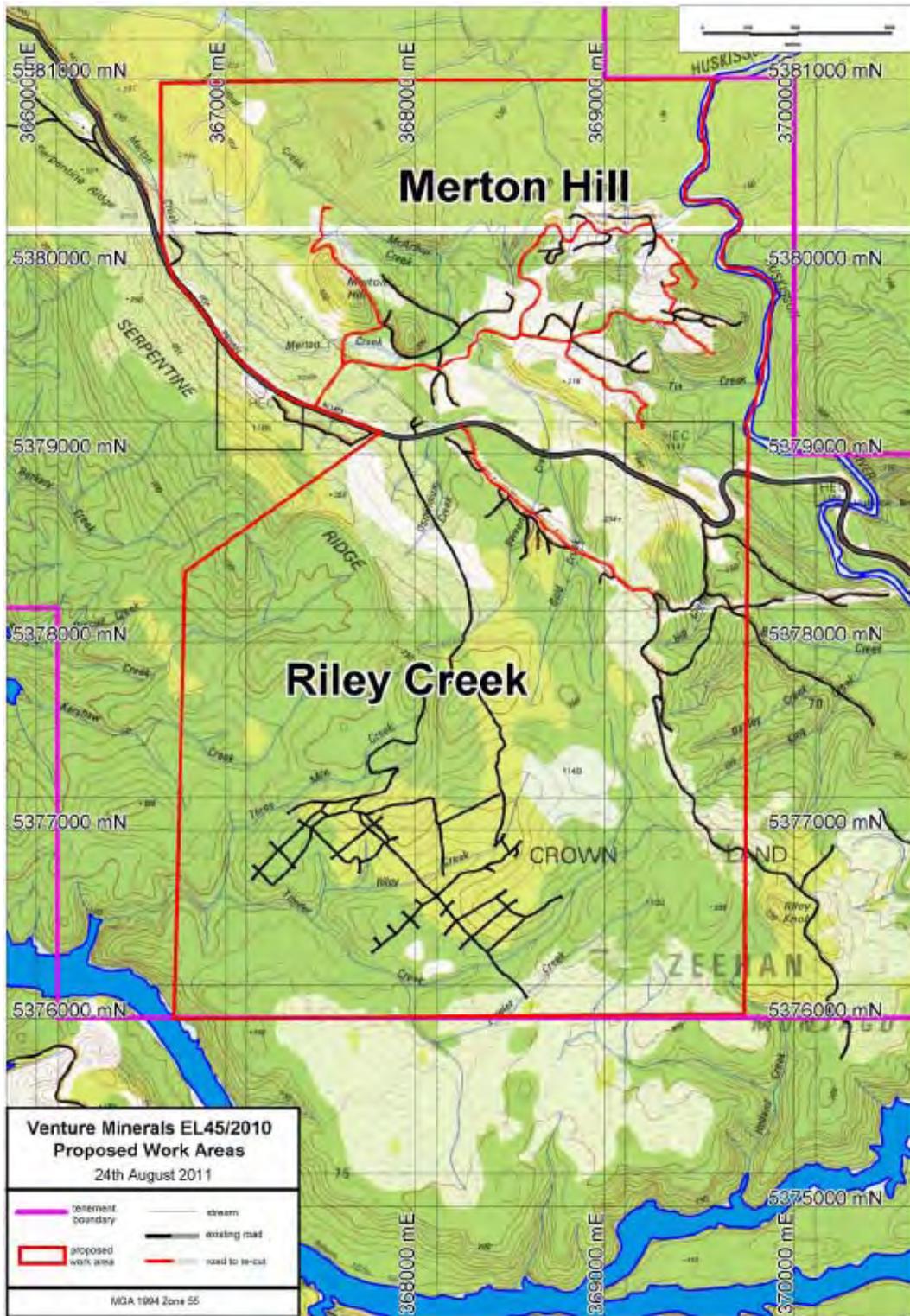
1.4 Site Description:

The proposed work area of Riley Creek extends southwards from the Pieman Road to Fowler Creek and Trinder Creek to the southern boundary of the EL. The work area also includes the south-eastern end of Serpentine Ridge near the western boundary of the work area, and the area in the vicinity of Gold Creek in the north-east of this defined work area.

Specific target areas include the laterite deposits on the low hills situated between Fowler Creek, Riley Creek and Three Mile Creek and two earlier alluvial gold workings sites located on Trinder Creek and on Riley Creek itself.

The Riley Creek work area is located partly within state forest which is managed by Forestry Tasmania and the balance is crown land. The Transend high tension power line easement extends across the north-eastern section of the Riley Creek work area.

The Merton Hill exploration work area is located adjacent to and to the north of the Pieman Road. The area includes a high tension power line easement managed by Transend, an area of the Meridith Range Regional Reserve and the balance is State Forest managed by Forestry Tasmania. An existing gravel road extends through the area as well as numerous vehicular tracks in varying state of repair and condition which extend from the gravel road. Previous land use history of the area includes clear-fell forestry which is now in a regrowth phase and other mineral exploration and small scale mining. The Huskisson River forms the eastern boundary of this work area.



MAP 2: Proposed Work Areas at Merton Hill and Riley Creek within EL45/2010

2.0 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, weeds known to be present in the locality, and the status of any reserved land in the area.

2.1 Desktop Survey Results:

RILEY CREEK STUDY AREA: Study area reference point GRID REF: 368000E – 5377500N.

VEGETATION COMMUNITIES: The following vegetation communities are mapped under the TasVeg mapping program as occurring within 1,500 metres of the study area reference point.

| VEGETATION COMMUNITY | TasVeg Code/ Map Colour | EXTENT IN STUDY AREA |
|--|---|---|
| <i>Nothofagus – Atherosperma</i> Rainforest (undifferentiated) | RMT / RMU / Dark blue | Limited to the south-western quadrat of the study area |
| <i>Eucalyptus nitida</i> Wet Forest (undifferentiated) | WNU / Bright blue with vertical lines | 3 localised patches in the NW and SE |
| <i>Eucalyptus obliqua</i> Wet Forest (undifferentiated) | WOU / Pale blue | Well distributed through the study area. |
| <i>Eucalyptus nitida</i> Dry Forest & Woodland | DNI / Bright green with zig zag lines | On the lower ridges in the eastern half of the study area. |
| <i>Eucalyptus obliqua</i> Dry Forest & Woodland | DOB / Dark green | Small localized patch north of Serpentine Ridge. |
| <i>Acacia melanoxylon</i> on Rises | NAR / Olive green with diagonal lines | One patch in the SW quadrat |
| <i>Leptospermum</i> Scrub | SLW / Pink with horizontal yellow lines | Along Serpentine Ridge and in the east of the study area. |
| Western Wet Scrub | SWW / Pink with yellow “x” | Most widespread community along Serpentine Ridge and along the access road. |
| <i>Melaleuca squarrosa</i> Scrub | SMR / Maroon with diagonal lines | Linear patch along streams in the north of the study area. |
| Buttongrass Moorland | MBU / Yellow with diagonal lines | On eastern and SE periphery of study area. |

TABLE 1: Vegetation Communities as per TasVeg within 1,500 metres of Riley Creek Study Area Ref Point. GRID REF: 368000E – 5377500N.

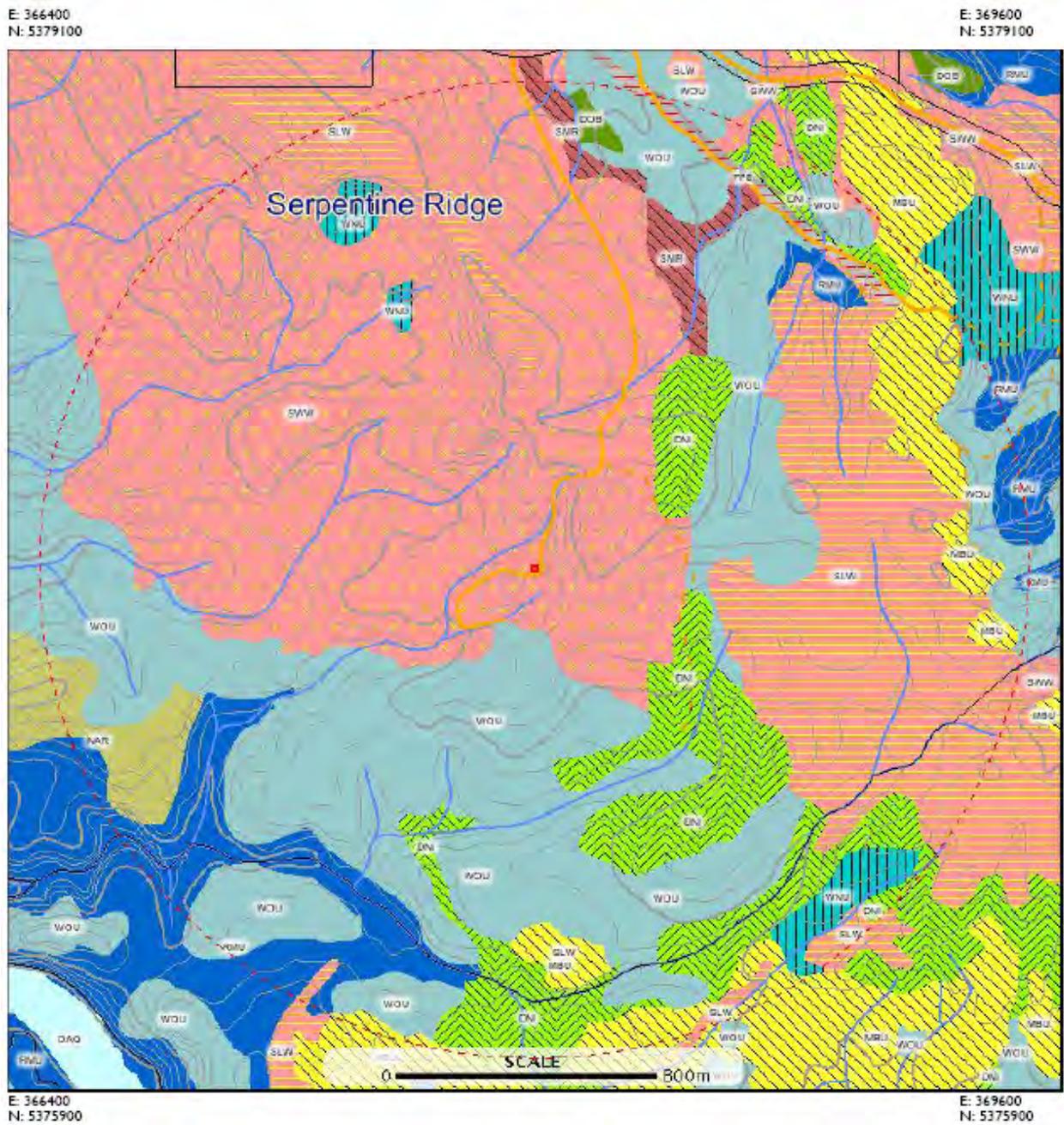


FIGURE 1: Vegetation communities as per TasVeg mapping program within 1,500 metres of the Riley Creek study area reference point. GRID REF: 368000E – 5377500N.

- CODE** RMT / RMU *Nothofagus- Atherosperma* Rainforest
 WOU *Eucalyptus obliqua* Wet Forest (undifferentiated)
 WNU *Eucalyptus nitida* Wet Forest (undifferentiated)
 DNI *Eucalyptus nitida* Dry Forest & Woodland
 NAR *Acacia melanoxylon* on Rises
 SWW *Melaleuca squarrosa* Scrub
 SLW *Leptospermum* Scrub
 SMR Western Wet Scrub
 MBU Buttongrass Moorland (undifferentiated)
 FUM Extra-urban miscellaneous

MERTON HILL STUDY AREA: Study area reference point, GRID REF: 368200E – 5380000N.

VEGETATION COMMUNITIES:

The following vegetation communities area mapped under TasVeg mapping program as occurring within 1,500 metres of the study area reference point.

| VEGETATION COMMUNITY | TasVeg Code / Map Colour | Extent in Study Area |
|---|---|--|
| <i>Nothofagus – Atherosperma</i> Rainforest | RMT / RMU / Dark blue | Extensive in the north and east of the study area. |
| <i>Nothofagus – Phyllocladus</i> Rainforest | RMS / RMU / Dark blue | Not differentiated from RMT on the map. |
| <i>Eucalyptus obliqua</i> Wet Forest (undifferentiated) | WOU / Light blue | Small scattered patches across the study area. |
| <i>Eucalyptus nitida</i> Wet Forest (undifferentiated) | WNU / Bright blue with vertical lines | A single patch on Merton Hill. |
| <i>Eucalyptus obliqua</i> Dry Forest & Woodland | DOB / Dark green | 2 small localized patches in the south-eastern quadrat. |
| <i>Eucalyptus nitida</i> Dry Forest & Woodland | DNI / Bright green with zig zag lines | Mainly along ridges in the western half. |
| <i>Leptospermum</i> Scrub | SLW / Pink with horizontal yellow lines | Mainly in the south-eastern quadrat. |
| Western Wet Scrub | SWW / Pink with yellow “x” | Mainly in the south-western quadrat. |
| <i>Melaleuca squarrosa</i> Scrub | SMR / Maroon with diagonal lines | Linear patches along streams in the south of the study area. |
| Buttongrass Moorland (undifferentiated) | MBU / Yellow with diagonal lines | Patches in the south-eastern quadrat. |
| Extra-urban miscellaneous (quarries etc) | FUM / Yellow- green with “z” | 2 quarries near the Pieman Road. |
| Permanent Easements | FPE / Mauve with horizontal red lines. | HEC power line easement south of the Pieman Road. |

TABLE 2: Vegetation Communities as per TasVeg within 1,500 metres of the Merton Hill Study Area Reference Point. GRID REF: 368200E – 5380000N.

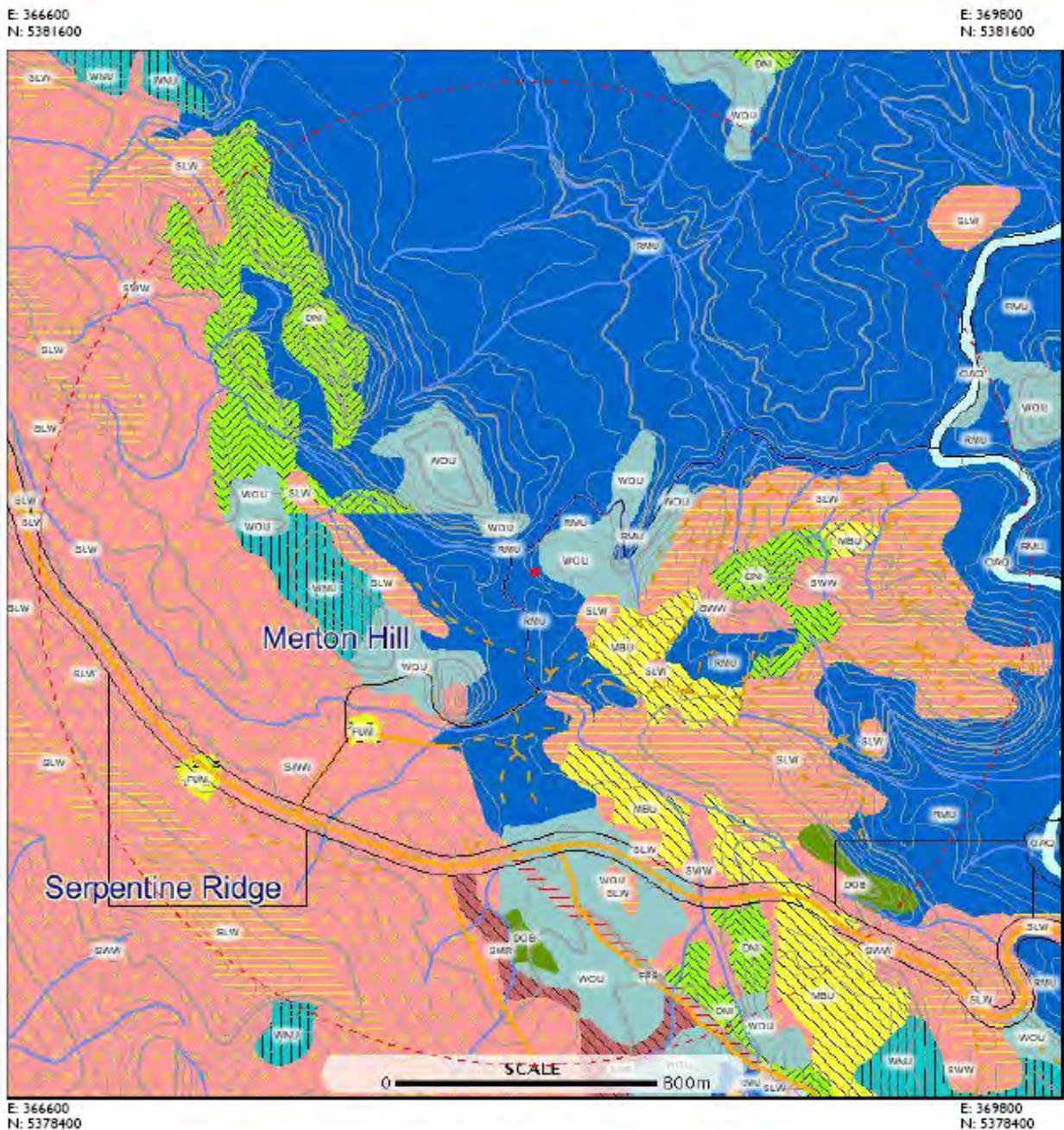


FIGURE 2: Vegetation Communities as per TasVeg Vegetation Mapping Program within 1,500 metres of the Merton Hill Study Area Reference Point. GRID REF: 368200E – 538000N.

| | | | | |
|------|-----------|-------|---|--|
| CODE | RMT / RMU | ..... | <i>Nothofagus - Atherosperma</i> Rainforest | |
| | RMS / RMU | ..... | <i>Nothofagus - Phyllocladus</i> Short Rainforest | |
| | WOU | ..... | <i>Eucalyptus obliqua</i> Wet Forest (undifferentiated) | |
| | WNU | ..... | <i>Eucalyptus nitida</i> Wet Forest (undifferentiated) | |
| | DOB | ..... | <i>Eucalyptus obliqua</i> Dry Forest & Woodland | |
| | DNI | ..... | <i>Eucalyptus nitida</i> Dry Forest & Woodland | |
| | SWW | ..... | Western Wet Scrub | |
| | SLW | ..... | <i>Leptospermum</i> Scrub | |
| | SMR | ..... | <i>Melaleuca squarrosa</i> Scrub | |
| | MBU | ..... | Buttongrass Moorland (undifferentiated) | |
| | FUM | ..... | Extra-urban Miscellaneous | |
| | FPE | ..... | Permanent Easements | |

THREATENED VEGETATION COMMUNITIES:

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

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE:

- *Eucalyptus nitida* Wet Forest (WNU) is a widespread community in western Tasmania and is well reserved, 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 (WOU) 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.
- *Eucalyptus nitida* Dry Forest (DNI) is a widespread community in western Tasmania and is well reserved although in its old-growth condition it is considered to be under-reserved in some bioregions.
- *Eucalyptus obliqua* Dry Forest & Woodland (DOB) is considered to be under-reserved in some bioregions and under-reserved state-wide in its old-growth condition.
- *Nothofagus – Phyllocladus* Short Rainforest (RMS) is well reserved in western Tasmania but is considered to be under-reserved in its old-growth condition in some bioregions.
- *Acacia melanoxylon* on Rises (NAR) is considered to be under-reserved in some bioregions.

THREATENED FLORA:

One species of plant which is listed as being rare under the *Tasmanian Threatened Species Protection Act 1995* is recorded on the “Natural Values Atlas” database as occurring in the location.

- *Micrantheum serpentinum* the Western Trident Bush is a serpentine endemic which occurs only on the ultramafic geology of this area of the west coast. There are 27 recorded locations for the species on the database from within the Riley Creek work area and 20 recorded locations from within the Merton Hill work area. The recorded locations within the Riley Creek work area are along the main access road and on the south-western slopes of Serpentine Ridge. In the Merton Hill work area the recorded locations are restricted to the area of the high tension power line easement between the Pieman Road and Merton Hill itself.



PHOTO 1: *Micrantheum serpentinum*

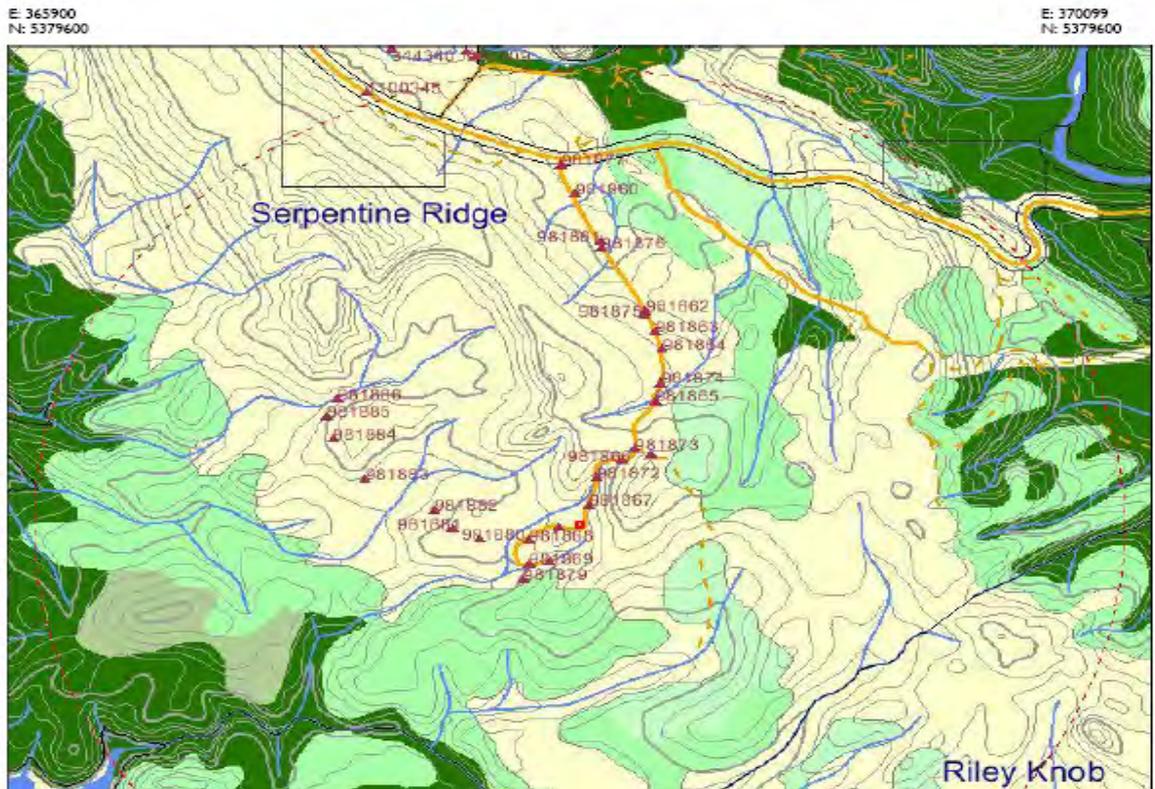


FIGURE 3: Recorded locations for *Micrantheum serpentinum* in Riley Creek work area.

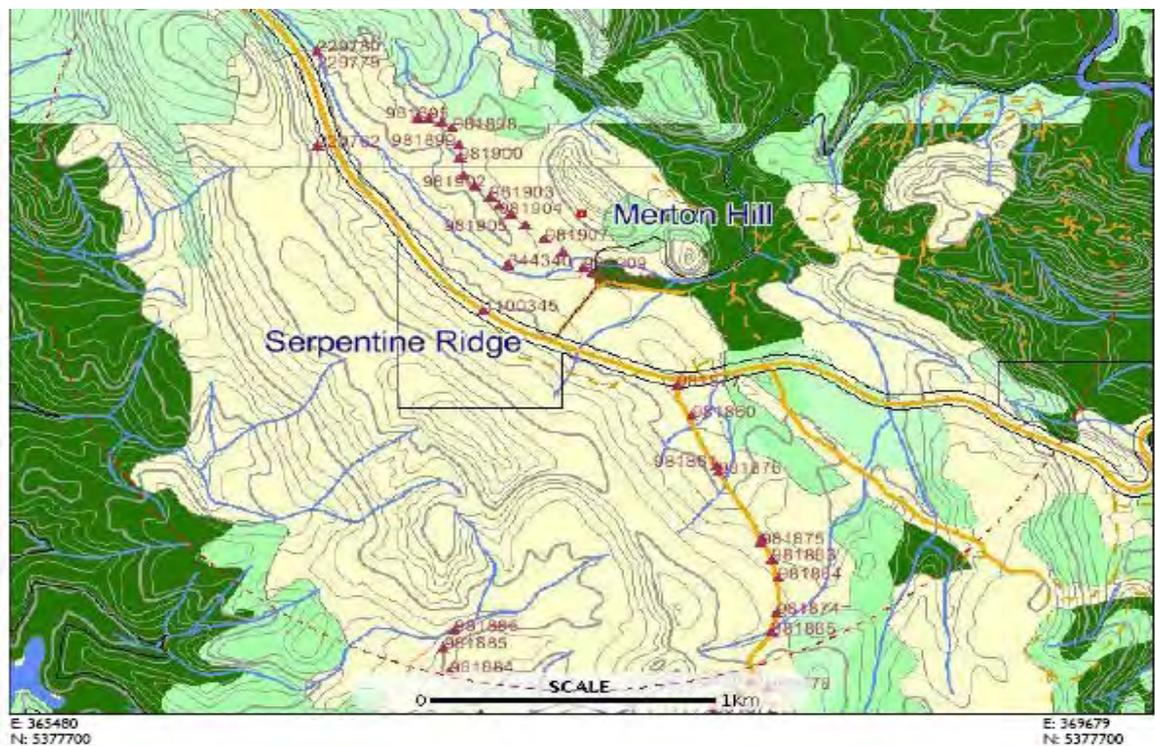


FIGURE 4: Recorded locations for *Micrantheum serpentinum* in Merton Hill work area.

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ENVIRONMENTAL WEEDS:

One species of environmental weed is recorded on the database as occurring within the study area.

- *Erica lusitanica* the Spanish Heath is recorded along the verge of the Pieman Road where it passes through the study area. There are 14 recorded locations on the database within the study area, all along the verge of the Pieman Road. Spanish Heath is a serious environmental weed which has the potential to invade natural vegetation and bushland.

RESERVE ESTATE:

A large proportion of the Merton Hill work area is located within the Meridith Range Regional Reserve, but also includes areas of state forest managed by Forestry Tasmania. The areas of retained forest mainly along creeks surrounding the previously logged areas in the Merton Hill area are managed by Forestry Tasmania as informal reserves.

Within the Riley Creek work area the northern boundary of the formal Lake Pieman Forest Reserve follows Trinder Creek from where it flows into the lake and eastwards towards Riley Knob, and across the southern portion of the work area. An informal linear reserve also managed by Forestry Tasmania extends along the northern side of Trinder Creek.

Informal reserves managed by Forestry Tasmania are also located over the low forested hills which extend southwards from the Pieman Road and across Sweeny Creek and Gold Creek.

3.0 Field Survey:

3.1 Methodology:

The field surveys were undertaken on foot and focused on the two work areas targeted for the proposed sampling program as detailed on Map 2, page 5 of this report. Survey routes generally followed existing vehicular roads and tracks in both the Merton Hill and Riley Creek work areas. The laterite deposits within the Riley Creek work area was a particular focus area for the botanical survey and two specific sites within the Riley Creek work area were also surveyed. Both were locations of earlier alluvial gold workings, one was located adjacent to Trinder Creek and the other was on Riley Creek itself.

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

The survey was conducted over 3 days on Monday 5th, Merton Hill work area, Thursday 8th Riley Creek work area, and Friday 9th, Trinder Creek and Riley Creek target areas of September 2011.

3.2 Limitations:

This survey was conducted in early spring prior to the flowering of many species of plants. 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.

3.3 Field Survey Results:

RILEY CREEK WORK AREA:

The gravel road which extends into the Riley Creek work area from the Pieman Road was upgraded by forestry related timber harvesting operations in 2007/08, and was used as the main survey route for this botanical survey. The road links with numerous old vehicular tracks which remain from previous mineral exploration undertaken by Callina Resources in the 1980's. Most of these tracks are located within the known laterite deposits. The two earlier alluvial gold mine sites located adjacent to Trinder Creek and Riley Creek respectively are also located next to the laterite deposits and were accessed via these existing tracks.

Gravel Roads and vehicular tracks have more recently been extended westwards across the lower south-western facing slopes of Serpentine Ridge and in the vicinity of Kershaw Creek and Biscuit Creek for the purpose of forest harvesting in areas of *Eucalyptus obliqua* forest. Logging operations are currently being undertaken in this location.

The high tension power line easement in the north-east of the Riley Creek work area was also surveyed from the Pieman Road to the crossing at Gold Creek.

VEGETATION COMMUNITIES:

Seven distinct vegetation communities were observed in the Riley Creek work area.

- *Eucalyptus nebulosa* Woodland
- *Eucalyptus nitida* Dry Forest (on laterite) (DNI)
- *Eucalyptus obliqua* Wet Forest (WOU)
- *Nothofagus – Atherosperma* Rainforest (RMT)
- *Leptospermum* Scrub (SLW)
- *Melaleuca squarrosa* Scrub (SMR)
- *Nothofagus – Phyllocladus* Short Rainforest (RMS)

The vegetation which occurs on the ultramafic geology and serpentine on Serpentine Ridge and along the access road is described under TasVeg as Western Wet Scrub, however it is not typical of that vegetation type and is considered to be more of a low shrubby woodland with trees almost mallee-like in stature. The Eucalypt which occurs in the locality and only on the ultramafics was considered to be a form of *Eucalyptus nitida* but is now considered to be distinct and to warrant specific status. This Eucalypt has now been described and named as *Eucalyptus nebulosa*. Therefore the vegetation community which occurs on the ultramafic geology of the location should be described as *Eucalyptus nebulosa* Woodland. This community name however has no formal status at this time.

The vegetation which is present on the sharply-drained deposits of laterite on the group of low hills located between Three Mile Creek, Riley Creek and Trinder Creek is a form of *Eucalyptus nitida* Dry Forest which has well developed but well spaced mature trees and with a tall but relatively open shrubby understorey, which presents a park-like appearance in places. The understorey includes species such as *Acacia mucronata* and the Native Plum *Cenarrhenes nitida* a species which is usually prevalent in rainforest or wet forest vegetation.

The vegetation to the west of Three Mile Creek and the lower southern slopes of Serpentine Ridge was comprised largely of tall forest of *Eucalyptus obliqua* Wet Forest which had an understorey of dense Teatree or rainforest species but this location also included areas of typical *Nothofagus- Atherosperma* Rainforest. The Eucalypt forest in this area is currently subject to forestry operations.

The vegetation in the riparian zone of both Riley Creek and Trinder Creek and the target areas of the old alluvial mine workings were composed of relatively mature *Leptospermum* Scrub which had a ground layer dominated by Cutting Grass *Gahnia grandis* and Swordsedge *Lepidosperma elatius*.

The vegetation adjacent to the high tension power line easement from the Pieman Road was mainly *Eucalyptus obliqua* Wet Forest although a scrub-like vegetation had developed where the easement itself had been previously cleared and the trees excluded. A small area of *Melaleuca squarrosa* Scrub was observed in the vicinity of Sweeny Creek and a localized area of *Nothofagus – Phyllocladus* Short Rainforest occurred along Gold Creek.

THREATENED VEGETATION COMMUNITIES:

No vegetation community listed under the Tasmanian *Nature Conservation Act 2002* was observed in the Riley Creek work area during the field survey.

VEGETATION COMMUNITY OF CONSERVATION SIGNIFICANCE:

- As *Eucalyptus nebulosa* Woodland only occurs on the west coast ultramafics it should be considered to have some conservation significance. The community however has no formal status at this time.
- The *Eucalyptus nitida* Dry Forest (DNI) which occurs on the laterite in the location is a distinctive form of that community and should also be considered to have some conservation significance.

THREATENED FLORA:

One species of plant which is listed as being rare under the Tasmanian *Threatened Species Protection Act 1995* was observed during the survey of the Riley Creek work area.

- *Micrantheum serpentinum* the Western Tridentbush was prevalent but restricted to the ultramafic geology of the location. The species has been previously mapped, mainly along the roadsides, although a number of these plants were most likely lost during road upgrading works undertaken as part of forestry operations 3 or 4 years ago. REF: Figure 3. of this report. Some further mapping of locations for this species was undertaken during this field survey and is detailed below.

| Location No. | EASTING | NORTHING |
|--------------|---------|----------|
| 1. | 367116 | 5378032 |
| 2. | 367489 | 5377555 |
| 3. | 367527 | 5377454 |
| 4. | 367541 | 5377473 |
| 5. | 367770 | 5377376 |
| 6. | 367830 | 5377325 |
| 7. | 367893 | 5377356 |
| 8. | 367963 | 5377480 |
| 9. | 367996 | 5378901 |
| 10. | 368049 | 5378807 |
| 11. | 368190 | 5378552 |
| 12. | 368250 | 5378280 |
| 13. | 368266 | 5378001 |
| 14. | 368217 | 5377820 |
| 15. | 368299 | 5378249 |
| 16. | 368306 | 5377793 |
| 17. | 368311 | 5378269 |
| 18. | 368344 | 5378276 |
| | | |

TABLE 1: Further plotted locations of *Micrantheum serpentinum* in the Riley Creek work area.

No species of plant listed under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* was observed or recorded during the field survey.

NON-THREATENED FLORA OF CONSERVATION SIGNIFICANCE:

- *Eucalyptus nebulosa* is considered to be of conservation significance and the species occurs on the ultramafic geology within the Riley Creek work area.

The proposed soil and stream sediment sampling program is unlikely to impact on this species or any other non-threatened flora of conservation significance.

ENVIRONMENTAL WEEDS:

No environmental weeds were observed within the Riley Creek work area however the Spanish Heath *Erica lusitanica* is known to be present along the Pieman Road where it passes through the study area.

PHYTOPHTHORA:

Unhealthy and some dead plants of *Banksia marginata* were observed along the verge of the Pieman Road adjacent to the access road to the Riley Creek work area. *Banksia marginata* is known to be susceptible to the fungal disease and it is quite possible that these symptoms are indicative of an infection of *Phytophthora cinnamomi* causing the decline and poor health of the plants in this location.

MERTON HILL WORK AREA:

The survey of the Merton Hill work area commenced from the high tension power line easement adjacent to and to the north of the Pieman Road and then followed the existing gravel road and vehicular tracks which are shown in red on the map included with this report, REF Map 2. The vehicular tracks were in varying condition and state of repair and most will require some clearing and re-cutting as proposed for ease of access for the exploration program. The track which extended from the high tension power line easement and around Merton Hill itself was followed as well as the longer loop through the previously logged areas in the eastern portion of the work area.

VEGETATION COMMUNITIES:

Seven distinct vegetation communities were observed within the Merton Hill work area during the field survey.

- *Eucalyptus nebulosa* Woodland
- *Eucalyptus nitida* Wet Forest (WNU)
- *Eucalyptus obliqua* Wet Forest (WOU)
- *Eucalyptus nitida* Dry Forest (DNI)
- *Nothofagus – Atherosperma* Rainforest (RMT)
- *Leptospermum* Scrub (SLW)
- Buttongrass Moorland (MBU)

Eucalyptus nebulosa Woodland as defined in the discussion of vegetation communities in the Riley Creek paragraph of this report is restricted in the Merton Hill work area to the high tension power line easement located between the Pieman Road and Merton Hill itself. This also is the extent of the ultramafic geology in this work area. The community has been modified by clearing works associated with the maintenance of the power line easement particularly with the removal of the trees, which does then give the appearance of a shrubby vegetation community. However the composition of the vegetation is much the same as that discussed in the Riley Creek work area.

The area upon and immediately surrounding Merton Hill itself is an area of mature *Eucalyptus nitida* Wet Forest which is in accordance with the TasVeg map although it could be further defined by the prevalence of Teatree *Leptospermum* in the understorey, particularly on the lower slopes with a tall *Leptospermum* Scrub community being present to the north of the hill. The track extended through this Teatree community. Merton Hill itself has not been subject to logging activities and is largely undisturbed forest with some old-growth trees present.

Eucalyptus obliqua is also present as a secondary tree within the vegetation of this location.

Rainforest vegetation was present as *Nothofagus- Atherosperma* Rainforest along the sheltered gullies and McArthur Creek located to the north of Merton Hill.

The gravel road and loop followed in the eastern portion of the work area extended along the lower hill slopes and mainly through *Eucalyptus obliqua* Wet Forest which was in a regrowth phase following earlier logging operations. The Eucalypt regrowth was generally in about 8 to 10 metres tall with a typically dense shrubby understorey which has also regenerated along with the Eucalypts.

Areas of *Eucalyptus nitida* Dry Forest in its original condition was present on the drier ridgelines, and rainforest vegetation followed the adjacent creek-lines.

A localized area of *Leptospermum* Scrub was present around GRID REF: 368401E – 5379668N and an area of Buttongrass Moorland adjoined this scrub about 200 metres to the north/north-west.

The proposed clearing and re-cutting of the existing but overgrown tracks will not impact on any areas of significant vegetation although care will need to be taken adjacent to any creeks and at any creek crossings.

THREATENED VEGETATION COMMUNITIES:

No vegetation community listed as threatened under the Tasmanian *Nature Conservation Act 2002* was observed in the Merton Hill work area during the field survey.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE:

- As *Eucalyptus nebulosa* Woodland only occurs on the west coast ultramafics it should be considered to be of some conservation significance. The community however has no formal status at this time.
- The *Eucalyptus nitida* Wet Forest (WNU) community on Merton Hill itself is a patch of mature forest which includes some old-growth trees. On that basis the small area would be considered to be of some conservation significance.

THREATENED FLORA:

One species of plant which is listed as being rare under the Tasmanian *Threatened Species Protection Act of 1995* was observed during the survey of the Merton Hill work area.

- *Micrantheum serpentinum* the Western Tridentbush was prevalent only within the area of the high tension power line easement between the Pieman Road and Merton Hill itself. The species has been previously mapped in the location, REF: Figure 4 of this report, and some further occurrences have been plotted as part of this survey to map the extent of the species.

| Location No. | EASTING | NORTHING |
|--------------|---------|----------|
| 19. | 367642 | 5379606 |
| 20. | 367761 | 5379482 |
| 21. | 367761 | 5379492 |
| 22. | 367828 | 5379479 |

TABLE 2: Further plotted locations of *Micrantheum serpentinum* in the Merton Hill work area.

No species of plant listed under the Commonwealth *Environmental Protection and Biodiversity Conservation Act of 1999* was observed during the field survey.

NON-THREATENED FLORA OF CONSERVATION SIGNIFICANCE:

The following species and occurrences of non-threatened flora are considered to be of conservation significance.

Old-growth Eucalypt trees with significant hollows which are potential habitat for threatened species of fauna were observed at the following locations:

- 367782E – 5379843N About 50 metres north of this point on the vehicular track near Merton Hill.
- 368034E – 5379484N *Eucalyptus obliqua* about 100 metres in from this point on the vehicular track.

ENVIRONMENTAL WEEDS:

No environmental weeds were observed within the Merton Hill work area during the survey, however the Spanish Heath *Erica lusitanica* is known to be present along the verge of the Pieman Road where it passes through the exploration license area. It is usually spread by road verge maintenance activities such as grading and slashing.

PHYTOPHTHORA:

A number of unhealthy, yellowing and dead plants of *Banksia marginata* were observed along the verge of the Pieman Road where it passes through the exploration license area. *Banksia marginata* is known to be susceptible to the fungal disease and can be used as an indicator plant for the presence of the disease. It is quite possible therefore that the symptoms displayed by these plants indicates that there is an infection of *Phytophthora cinnamomi* in this location.

4.0 Survey Conclusions:

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

Three vegetation communities considered to be of conservation significance were observed during the survey. *Eucalyptus nebulosa* Woodland was present in both survey areas. A form of *Eucalyptus nitida* Dry Forest which occurred on the laterite deposits within the Riley Creek work area was of interest and the small area of intact and mature *Eucalyptus nitida* Wet Forest on Merton Hill itself was also considered to be of some significance.

One species of flora *Micrantheum serpentinum* which is listed under the Tasmanian *Threatened Species Conservation Act 1995* was observed during the field survey.

No environmental weeds were observed in the survey areas although one species *Erica lusitanica* is known to be present along the verge of the Pieman Road.

No symptomatic evidence of the presence of Phytophthora was observed within the survey areas, however there is evidence of possible infection in *Banksia marginata* along the verge of the Pieman Road where it passes through the exploration license area.

The proposed soil and stream sediment sampling exploration program in both work areas, and the proposed clearing and re-cutting of the vehicular tracks within the Merton Hill work area will have minimal impact on the natural vegetation, vegetation communities and the native flora including the threatened species *Micrantheum serpentinum* which is present in parts of both work areas.

6.0 Recommendations:

VEGETATION COMMUNITIES:

The soil and stream sediment sampling program as proposed will have minimal impact on the vegetation communities observed in both work areas. All access will be from existing vehicular roads and tracks, some of which will require the clearing of fallen trees and debris and re-forming in some locations. No falling of trees or other clearing of natural vegetation will be required in preparation for the exploration program.

- Limit clearing of vegetation and fallen debris to existing vehicular tracks.
- Minimise impacts adjacent to creek-lines and at existing creek crossings.

THREATENED VEGETATION COMMUNITIES:

No threatened vegetation community was observed during the field survey and no specific action is required in addition to those detailed under Vegetation Communities.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE:

The proposed soil and stream sampling program will have minimal impact on the vegetation communities recognized as having conservation significance and no specific action is required in addition to those detailed under Vegetation Communities.

THREATENED FLORA:

- Although the soil sampling program is unlikely to impact on the threatened species *Micrantheum serpens* it is recommended as a pre-emptive measure to apply for and obtain a "Permit to Take" from DPI/PWE in order to cover any incidental impact on the species from field workers when present in the area where the species naturally grows.
- Ensure that staff working in the field are able to recognize *Micrantheum serpens* both when it is flowering and out of its flowering season to enable them to avoid impacting on the plant during the soil sampling operations. Field staff should also be able to distinguish *Micrantheum serpens* from other species with similar foliage which also occur in the locality such as *Westringia rubraefolia* and *Bauera rubioides*.

FLORA OF CONSERVATION SIGNIFICANCE:

The proposed exploration program will not impact on the flora of conservation significance observed in this survey and no further action in addition to those detailed under Vegetation Communities is required.

ENVIRONMENTAL WEEDS:

Spanish Heath *Erica lusitana* is known to be present along the verge of the Pieman Road within the EL although it was not observed within either work area. The proposed exploration program will not encourage the spread of this weed into either work area, however its extent should be monitored as part of the overall EL maintenance program.

- Monitor the extent of the weed *Erica lusitana* along the Pieman Road through the EL on at least an annual basis as part of the EL maintenance program.
- Ensure that field staff are able to recognize this weed both when it is in flower and at other times.

PHYTOPHTHORA:

A suspected infection of the pathogen is present along the verge of the Pieman Road where it passes through the EL area.

- Follow accepted protocols in regard to hygiene and washdown procedures for machinery and equipment to ensure that the pathogen is not inadvertently introduced into the work areas, by way of extraneous soil, mud or gravel adhered to tyres, workboots etc from the suspected infected areas along the adjacent verge area of the Pieman Road.
- Treatment stations are recommended at the entry point for both the Riley Creek and the Merton Hill work areas.

Philip Milner

Vegetation Consultant

APPENDIX 1: Vegetation Communities and Species Recorded

1. *Eucalyptus nebulosa* Woodland

This community is restricted to the ultramafic geology of the west coast and is widespread within the Riley Creek work area, particularly along the access road and the slopes of the adjacent Serpentine Ridge. The community does not occur on the laterite deposits of the Riley Creek work area. Within the Merton Hill work area the community occurred largely within the high tension power line easement between the Pieman Road and Merton Hill itself. The threatened species *Micrantheum serpentinum* (in bold text) only occurs in this vegetation community.

| DOMINANT TREES | COMMON NAME | FREQUENCY |
|---------------------------------------|-----------------------------|----------------------|
| <i>Eucalyptus nebulosa</i> | Serpentine Peppermint | common |
| TALL SHRUBS | | |
| <i>Acacia dealbata</i> (j) | Silver Wattle | occasional juveniles |
| <i>Acacia melanoxylon</i> (j) | Blackwood | occasional juveniles |
| <i>Acacia mucronata</i> | Caterpillar Wattle | occasional |
| <i>Banksia marginata</i> | Silver Banksia | common |
| <i>Hakea lissosperma</i> | Mountain Needlebush | uncommon |
| <i>Leptospermum lanigerum</i> | Woolly Teatree | uncommon |
| <i>Notelaea ligustrina</i> | Native olive | uncommon |
| MEDIUM SHRUBS | | |
| <i>Allocasuarina zephraea</i> | Western Sheoak | occasional |
| <i>Baeckia leptocaulis</i> | Slender Heathmyrtle | localised |
| <i>Bauera rubioides</i> | Wiry Bauera | common |
| <i>Coprosma quadrifida</i> | Native Currant | uncommon |
| <i>Hakea epiglottis</i> | Beaked Needlebush | common |
| <i>Leptospermum glaucescens</i> | Smoky Teatree | occasional |
| <i>Leptospermum scoparium</i> | Manuka | occasional |
| <i>Lomatia polymorpha</i> | Mountain Guitarplant | occasional |
| <i>Lomatia tinctoria</i> | Guitarplant | occasional |
| <i>Philotheca virgata</i> | Twiggy Waxflower | uncommon |
| <i>Pomaderris apetala</i> | Dogwood | uncommon |
| <i>Pomaderris elliptica</i> | Yellow Dogwood | occasional |
| <i>Pultenaea juniperina</i> | Prickly Beauty | occasional |
| <i>Spyridium gunnii</i> | Forest Dustymiller | occasional |
| SMALL SHRUBS | | |
| <i>Amperea xiphoclada</i> | Broom Spurge | uncommon |
| <i>Comesperma ericinum</i> | Heath Milkwort | uncommon |
| <i>Leptecophylla juniperina</i> | Pinkberry | occasional |
| <i>Micrantheum serpentinum</i> | Western Trident Bush | common |
| <i>Pimelea linifolia</i> | Slender Riceflower | uncommon |
| <i>Sprengelia incarnata</i> | Pink Swampheath | occasional |
| <i>Westringia rubiaefolia</i> | Sticky Westringia | common |

APPENDIX 1 (cont)

Eucalyptus nebulosa Woodland (cont)

CLIMBING PLANTS

| | | |
|---------------------------|---------------------|----------|
| <i>Cassytha pubescens</i> | Downy Dodder-laurel | uncommon |
|---------------------------|---------------------|----------|

HERBS & HERB-LIKE PLANTS

| | | |
|-------------------------|-------------------|------------|
| <i>Viola hederaceae</i> | Ivy-leafed Violet | occasional |
|-------------------------|-------------------|------------|

GRASSES & GRAMINOIDS

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

| | | |
|-------------------------|--------------|--------|
| <i>Lepidosperma sp.</i> | A Swordsedge | common |
|-------------------------|--------------|--------|

2. *Eucalyptus nitida* Dry Forest on Laterite (Mapped as TasVeg Code DNI)

This vegetation community occurred on the low hills of laterite deposits within the Riley Creek work area. The acute drainage of the gravelly hills has formed a distinctive dry forest community dominated by the Western Peppermint *Eucalyptus nitida*. The presence of the Native Plum *Cenarrhenes nitida* is unusual in that it is normally a component of rainforest or wet forest understoreys.

| DOMINANT TREES | COMMON NAME | FREQUENCY |
|--------------------------|--------------------|-----------|
| <i>Eucalyptus nitida</i> | Western Peppermint | common |

TALL SHRUBS

| | | |
|-------------------------|--------------------|------------|
| <i>Acacia mucronata</i> | Caterpillar Wattle | occasional |
|-------------------------|--------------------|------------|

| | | |
|----------------------------|---------------|----------|
| <i>Acacia verticillata</i> | Prickly Moses | uncommon |
|----------------------------|---------------|----------|

| | | |
|--------------------------|----------------|------------|
| <i>Banksia marginata</i> | Silver Banksia | occasional |
|--------------------------|----------------|------------|

| | | |
|---------------------------|-------------|------------|
| <i>Cenarrhenes nitida</i> | Native Plum | occasional |
|---------------------------|-------------|------------|

| | | |
|--------------------------|---------------------|------------|
| <i>Hakea lissosperma</i> | Mountain Needlebush | occasional |
|--------------------------|---------------------|------------|

| | | |
|-------------------------------|----------------|----------|
| <i>Leptospermum lanigerum</i> | Woolly Teatree | uncommon |
|-------------------------------|----------------|----------|

| | | |
|----------------------------|-------------------|----------|
| <i>Melaleuca squarrosa</i> | Scented Paperbark | uncommon |
|----------------------------|-------------------|----------|

| | | |
|----------------------------|-----------|------------|
| <i>Nematolepis squamea</i> | Satinwood | occasional |
|----------------------------|-----------|------------|

| | | |
|----------------------------|--------------|------------|
| <i>Notelaea ligustrina</i> | Native olive | occasional |
|----------------------------|--------------|------------|

MEDIUM SHRUBS

| | | |
|-------------------------------|--------|--------|
| <i>Leptospermum scoparium</i> | Manuka | common |
|-------------------------------|--------|--------|

| | | |
|------------------------|------------|--------|
| <i>Monotoca glauca</i> | Goldeywood | common |
|------------------------|------------|--------|

SMALL SHRUBS

| | | |
|-------------------------|--------------|------------|
| <i>Epacris impressa</i> | Common Heath | occasional |
|-------------------------|--------------|------------|

| | | |
|-----------------------------|------------------------|------------|
| <i>Hibbertia procumbens</i> | Spreading Guineaflower | occasional |
|-----------------------------|------------------------|------------|

| | | |
|---------------------------------|-----------|------------|
| <i>Leptecophylla juniperina</i> | Pinkberry | occasional |
|---------------------------------|-----------|------------|

| | | |
|-----------------------------|-----------------|------------|
| <i>Leucopogon ericoides</i> | Pink Beardheath | occasional |
|-----------------------------|-----------------|------------|

| | | |
|--------------------------|-------------|------------|
| <i>Lomatia tinctoria</i> | Guitarplant | occasional |
|--------------------------|-------------|------------|

| | | |
|-----------------------------|----------------|------------|
| <i>Pultenaea juniperina</i> | Prickly Beauty | occasional |
|-----------------------------|----------------|------------|

GRASSES & GRAMINOIDS

| | | |
|-----------------------|---------------|------------|
| <i>Gahnia grandis</i> | Cutting Grass | occasional |
|-----------------------|---------------|------------|

APPENDIX 1 (cont)

Eucalyptus nitida Dry Forest on Laterite (cont)

FERNS & ALLIED PLANTS

| | | |
|-------------------------------|----------------------|-----------|
| <i>Gleichenia microphylla</i> | Scrambling Coralfern | localised |
| <i>Pteridium esculentum</i> | Bracken | common |

3. *Eucalyptus nitida* Dry Forest & Woodland (TasVeg Code DNI)

This community was present within the Merton Hill work area and occurred on the gravelly hills and slopes and around the periphery of the forest areas which have been previously logged. Patches of Buttongrass and wet scrub vegetation also occurred along with the dry forest community and included the same species of plants in their composition but with varying frequencies.

| DOMINANT TREES | COMMON NAME | FREQUENCY |
|--------------------------|--------------------|-----------|
| <i>Eucalyptus nitida</i> | Western Peppermint | common |

TALL SHRUBS

| | | |
|---------------------------|--------------------|------------|
| <i>Acacia melanoxylon</i> | Blackwood | uncommon |
| <i>Acacia mucronata</i> | Caterpillar Wattle | occasional |
| <i>Banksia marginata</i> | Silver Banksia | occasional |

MEDIUM SHRUBS

| | | |
|---------------------------------|-------------------|------------|
| <i>Bauera rubioides</i> | Wiry Bauera | common |
| <i>Leptospermum glaucescens</i> | Smoky Teatree | occasional |
| <i>Leptospermum lanigerum</i> | Woolly Teatree | occasional |
| <i>Leptospermum scoparium</i> | Manuka | common |
| <i>Melaleuca squarrosa</i> | Scented Paperbark | occasional |
| <i>Pomaderris apetala</i> | | |

SMALL SHRUBS

| | | |
|-----------------------------|-----------------|------------|
| <i>Aotus ericoides</i> | Goldenpea | common |
| <i>Comesperma ericinum</i> | Heath Milkwort | uncommon |
| <i>Epacris impressa</i> | Common Heath | occasional |
| <i>Epacris lanuginosa</i> | Swamp Heath | common |
| <i>Pultenaea juniperina</i> | Prickly Beauty | occasional |
| <i>Sprengelia incarnata</i> | Pink Swampheath | common |

GRASSES & GRAMINOIDS

| | | |
|--------------------------------------|------------------|--------|
| <i>Gahnia grandis</i> | Cutting Grass | common |
| <i>Gymnoschoenus sphaerocephalus</i> | Button Grass | common |
| <i>Patersonia fragilis</i> | Short Purpleflag | common |

FERNS & ALLIED PLANTS

| | | |
|-------------------------------|----------------------|------------|
| <i>Gleichenia microphylla</i> | Scrambling Coralfern | occasional |
| <i>Schizaea sp.</i> | Comb Fern | localized |

APPENDIX 1 (cont)

4. *Eucalyptus obliqua* Wet Forest (TasVeg Code WOU)

This community was observed in both the Riley Creek and Merton Hill work areas during the field survey. In the Riley Creek work area it was limited to the low hills alongside the high tension power line easement between the Pieman Road and Gold Creek. In the Merton Hill work area the community has been subject to previous forest harvesting and is in a regrowth phase with sapling trees up to 8 metres in height. The understorey vegetation was also in the regrowth phase and varied from *Leptospermum* and other sclerophyllus species to rainforest saplings and understorey species.

| DOMINANT TREES | COMMON NAME | FREQUENCY |
|-----------------------------------|--------------------|----------------------|
| <i>Eucalyptus obliqua</i> | Stringybark | common |
| SECONDARY TREES | | |
| <i>Eucalyptus nitida</i> | Western Peppermint | occasional |
| TALL SHRUBS | | |
| <i>Acacia dealbata</i> | Silver Wattle | occasional saplings |
| <i>Acacia mucronata</i> | Caterpillar Wattle | common |
| <i>Banksia marginata</i> | Silver Banksia | occasional |
| <i>Cenarrhenes nitida</i> | Native Plum | uncommon |
| <i>Eucryphia lucida</i> | Leatherwood | occasional |
| <i>Leptospermum lanigerum</i> | Woolly Teatree | occasional |
| <i>Nematolepis squamea</i> | Satinwood | occasional |
| <i>Nothofagus cunninghamii</i> | Myrtle | occasional saplings |
| <i>Oxylobium arborescens</i> | Tall Shaggyea | uncommon |
| <i>Phyllocladus asplenifolius</i> | Celery-top Pine | occasional juveniles |
| MEDIUM SHRUBS | | |
| <i>Aristotelia peduncularis</i> | Heart Berry | uncommon |
| <i>Bauera rubioides</i> | Wiry Bauera | common |
| <i>Leptospermum scoparium</i> | Manuka | occasional |
| <i>Monotoca glauca</i> | Goldeywood | common |
| <i>Olearis stellulata</i> | Sawleaf Daisybush | uncommon |
| <i>Tasmannia lanceolata</i> | Native Pepper | occasional |
| <i>Telopea truncate</i> | Waratah | uncommon |
| <i>Ziera arborescens</i> | Stinkwood | occasional |
| SMALL SHRUBS | | |
| <i>Amperea xiphoclada</i> | Broom Spurge | localised |
| <i>Epacris impressa</i> | Common Heath | occasional |
| <i>Leptecophylla juniperina</i> | Pinkberry | occasional |
| <i>Pultenaea juniperina</i> | Prickly Beauty | occasional |

APPENDIX 1 (cont)

Eucalyptus obliqua Wet Forest (cont)

CLIMBING PLANTS

| | | |
|-------------------------------|--------------------|----------|
| <i>Billardiera longiflora</i> | Climbing Blueberry | uncommon |
| <i>Comesperma volubile</i> | Blue-love Creeper | uncommon |

HERBS & HERB-LIKE PLANTS

| | | |
|------------------------------|-------|------------|
| <i>Acaena novaezelandiae</i> | Buzzy | occasional |
|------------------------------|-------|------------|

GRASSES & GRAMINOIDS

| | | |
|----------------------------|------------------|------------|
| <i>Dianella tasmanica</i> | Tasman Flax-lily | occasional |
| <i>Gahnia grandis</i> | Cutting Grass | occasional |
| <i>Libertia pulchella</i> | Pretty Grassflag | localised |
| <i>Patersonia fragilis</i> | Short Purpleflag | uncommon |

FERNS & ALLIED PLANTS

| | | |
|-------------------------------|----------------------|------------|
| <i>Blechnum nudum</i> | Fishbone Waterfern | occasional |
| <i>Blechnum watsii</i> | Hard Waterfern | common |
| <i>Gleichenia microphylla</i> | Scrambling Coralfern | uncommon |
| <i>Hypolepis rugulosus</i> | Ruddy Groundfern | occasional |
| <i>Pteridium esculentum</i> | Bracken | common |

5. *Leptospermum* Scrub (TasVeg Code SLW)

This vegetation community was observed at both locations of the old alluvial gold mine workings on Trinder Creek and Riley Creek as well as the area to the north of Merton Hill although the species composition in the Merton Hill site had some differences and more diversity. The two creek sites had a very limited range of species within the community.

Leptospermum Scrub is a common and widespread vegetation community in western Tasmania.

| EMERGENT TREES | COMMON NAME | FREQUENCY |
|--------------------------|--------------------|------------|
| <i>Eucalyptus nitida</i> | Western Peppermint | occasional |

DOMINANT SPECIES

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

TALL SHRUBS

| | | |
|--------------------------|----------------|------------|
| <i>Banksia marginata</i> | Silver Banksia | occasional |
|--------------------------|----------------|------------|

MEDIUM SHRUBS

| | | |
|----------------------------|-------------------|------------|
| <i>Coprosma quadrifida</i> | Native Currant | occasional |
| <i>Hakea epiglottis</i> | Beaked Needlebush | occasional |

APPENDIX 1 (cont)

Leptospermum Scrub (cont)

GRASSES & GRAMINOIDS

| | | |
|-------------------------------|-----------------|------------|
| <i>Baloskion tetraphyllum</i> | Tassel Cordrush | occasional |
| <i>Gahnia grandis</i> | Cutting Grass | common |
| <i>Lepidosperma elatius</i> | Swordsedge | abundant |

FERNS & ALLIED PLANTS

| | | |
|-----------------------------|--------------------|------------|
| <i>Blechnum nudum</i> | Fishbone Waterfern | common |
| <i>Blechnum wattsii</i> | Hard Waterfern | occasional |
| <i>Dicksonia antarctica</i> | Soft Treefern | occasional |
| <i>Histiopteris incisa</i> | Bat's wing Fern | occasional |



PHOTO 2: *Eucalyptus nebulosa* Woodland in Riley Creek Work Area



PHOTO 3: *Eucalyptus nitida* Forest on Laterite in Riley Creek Work Area



PHOTO 4: *Leptospermum* Scrub near old alluvial mine workings on Riley Creek.



PHOTO 5: Overview of the Riley Creek work area looking northwards.



PHOTO 6: *Eucalyptus nitida* Wet Forest on Merton Hill



PHOTO 7: *Leptospermum* Scrub on northern side of Merton Hill

SURVEY OF SELECT THREATENED FAUNA FOR VENTURE MINERALS' PROPOSED MINING AT RILEY CREEK, TULLAH

INTRODUCTION

The Riley's Creek area.

The "general area" for which the Riley Creek survey was requested is about 320ha with about 170ha of "particular interest" (request's wording) located about 10km east- southeast of Mt Lindsay on the south-eastern end of Serpentine Ridge, Tullah (Figure 1). Tenure is State Forest.

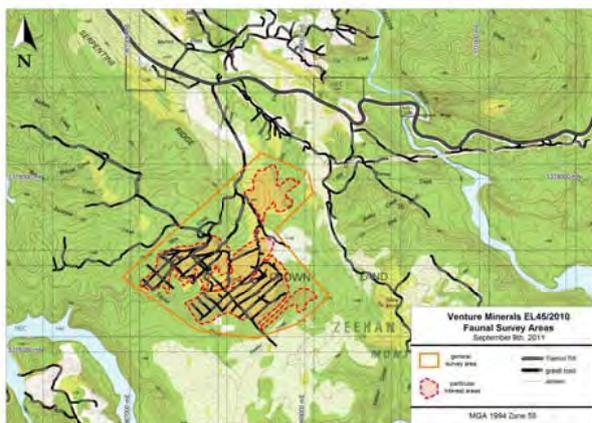


Figure 1. Location of Riley Ck.

The area (inevitably considering its geographic location) is of very high rainfall but unusual in its frequent 'park' like appearance on well drained sites, typically with large, old-growth eucalypts (mostly stringy barks, *Eucalyptus delegtensis* or *E. oblique* with an understory of equally scattered large old (to 70+ years by node count) banksias *Banksia marginata* and waratah *Telopea truncate* scattered across exposed ironstone gravel covered by extensive eucalypt leaf litter with many very large colonies of jack jumper ants.



Figure 2. Unusual eucalyptus woodland at Riley Ck.

The core area is crisscrossed by old mining exploration roads (and some trenches and workings) and dissected by high quality forestry roads travelling through the area westward (Figure 1.). Gullies have ferns and where previously disturbed, much cutting grass (which works well!). Some large wet flats gave extensive bauera *Bauera rubioides* scrub mixed with manuka (tea tree) *Leptospermum scoparium* interdispersed with eucalypts and banksias – itself an unusual combination. To the south-east, the area borders button grass *Gymnoschoenus sphaerocephalus* plain with dense tea tree *L. lanigerum* edges. Old (both in tree age and time on ground) eucalypt logs and stumps abound, about equally natural falls and felled, some obviously for firewood (Figure 2.).

Time available for survey was very limited considering the area's extent so only the area of particular interest could be surveyed and within that, areas were sampled (Figure 3.).

Key threatened Fauna Species (relevant to the survey request)

The key species requested for survey was the Tasmanian devil *Sarcophilus harrisii* (now *endangered* under both state and federal threatened species legislation). This species is a true 'landscape carnivore', known from all habitats on mainland Tasmania. Riley Creek habitats are superficially of reasonable quality for Tasmanian devils (ie elsewhere in the State they would likely hold reasonable densities, except for Devil Facial Tumour Disease (DPIPWE 2010)).

Other threatened Fauna Species (relevant to the survey request)

Based on habitat and rainfall, the area could also be occupied by spotted-tailed quoll *Dasyurus maculates* (Jones and Rose 1996, my observations), masked owl *Tyto novaehollandiae* (Mooney 1993) and wedge-tailed eagle *Aquila audax* (Mooney and Holdsworth 1991), especially considering area within 1 km of the area's nominated survey boundary (Indeed, some eucalypt forest looked excellent for nesting eagles). The area is of interest re wedge-tailed eagles also because there is a recorded nest only 8.5 km north-northwest of the areas centre – the scale of distance that often represents a nearest-neighbour distance (of active nests) in eucalypt forests. However, nests in such wet habitats (that adjacent nest is in mixed wet forest) are thought to be more than 10km apart (Mooney 2005) and the few regional nests known are deep in river gullies (although this may be a sample biased to search effort), slightly reducing the chances of a nest at Riley Ck. Regardless, it is an area of concern re nesting wedge-tailed eagles.

Correspondence with Forestry Tasmania's Murchison District staff shows that in 2006 areas, within 500m of their proposed South Merton Rd (the road going through Riley Ck) were searched with no nests being found. Subsequent helicopter nest searches of Riley Ck as a prelude to harvesting in the west and south of the area were conducted in 2009 and 2010 (these areas being re-searched due to the 3 year expiry date of the initial search) again with no nest being found. This more recent searching is still in date but it does not cover the main area of the requested search.

METHODS

Tasmanian devils

Formal advice and protocols for conserving devils in land 'development' (eg mining) is in its infancy, efforts perhaps sensibly focusing on reducing unnecessary risks to individuals (eg by accidents) and natal dens.

Devils could be expected to turn up almost anywhere, including Riley's Ck and the number or records that might be obtained is a function of both the number and behaviour of devils using the area and search effort (method and intensity).

Therefore, survey to inform development focuses on so-called “dens”, a very poorly defines concept in most search requests and reports, particularly in relation to natal dens (a place that a mother devil deposits her young after their term in the pouch).

Finding natal dens without electronic tagging and tracking relevant mother devils is very difficult and usually only happens by repeated visits to areas to refine knowledge of field sign or by luck. Devils are cryptic, mothers near natal dens particularly so (pers obs), and natal dens away from habitation are often only found via imps (devil ‘pups’) exploring the area and leaving field sign (typically small footprints) or being seen by knowledgeable people. However, at that point imps often use multiple holes and shelters, still making the identification of the natal den per se difficult. Even camera traps (cameras triggered by movement sensors) will not necessarily reveal the natal den because the camera itself can attract curious devils and itself become a focus.

Therefore, snapshot surveys for dens (typically single passes through the landscape) are unlikely to be successful however carefully carried out, especially in a landscape with a low density of devils but rich in potential dens.

Survey of Riley Ck was tiered as

1. Assessment of the area for devil density: This involves review of what is known of devils in such habitat, collection and comparison of field sign with sign from know densities (my unpublished data) and assessment of suitability of the area based on potential devil food.

2. Search of the area for dens: This involved sampling all habitats and aspects. A problem arises in defining a den. At times, adult devils lay up in dense vegetation but more usually in borrows (typically dug by wombats), small diameter but deep caves, in hollow logs, amongst log or bark piles or under buildings (pers obs, D. Pemberton pers comm). Dispersing young use a wider variety of lay-ups since they are often on unfamiliar ground and must be more opportunistic. Individual devils using most of these lay-ups are at risk during development (eg during vegetation clearing by heavy machinery) because they are reluctant to flush. The most sheltered lay-ups can be dens and some of these (presumably the best) natal dens. The author has examined many natal dens, most found via evidence of imps (eg footprints or vocalisations).

From the author’s unpublished data, essential attributes for a natal den appear to be

1. A dry, structurally stable inner chamber
2. An inner chamber at least several times the size (volume) of the mother that is defensible from like-sized predators. Typically the mouth of the inner chamber is a tight squeeze for the mother, usually as a horizontal slit or crack. A nest may be built in this chamber.
3. Bolt-holes as nooks and crannies for imps to hide in if threatened when the mother is not home.

Preferable attributes appear to be

1. Direct sun for part of the day near the entrance to the den (devils including imps love sunning).
2. Shelter from avian predators around the den mouth (relates to 1.)
3. A dearth of nearby, dangerous, predators (not other devils), eg devils rarely den under buildings with free-ranging aggressive dogs.

In areas of high devil density but comparatively few potential natal dens (eg pre Devil Facial Tumour Disease times on many stock farms where few if any log piles (a log being a fallen tree) or common wombat

Vombatus ursinus burrows exist and aggressive farm or house dogs are kept around infrastructure) devils have to take more risks using what I regard as substandard natal dens (eg damp, shallow and/or too near aggressive dogs). Where the ratio of devils to potential natal dens is lower, better quality dens appear to be used. If repeated successful use in areas of potential predators is a definition of a good natal den (a reasonable proposition) then the best natal dens I have recorded are narrow, deep, dry caves facing east and/or north with a complex of small entrances and scrub growing along the openings; typically the base of some cliffs.

Interestingly, most hollow logs have a (crudely) conical –shaped hollow core widest at the entrance with no inner chamber. Also, most trees fall downhill so the hollow base is somewhat exposed to rain and is therefore damp, as are most holes around tree roots.

Hollow stumps and tree-bases, as interesting as they seem, rarely have the attributes required for natal dens and I have never recorded such there.

The presence and position of spider webs and fragile fungi and debris and the absence of wear, hairs, scats, footprints all give field sign on use or not of any site.

The search team consisted of the principal (myself, Nick Mooney, wildlife biologist of decades experience in wildlife survey and conservation) and an assistant (Mr. Dene Miller, Venture Minerals' field technician, bushman and budding naturalist) and for a minority of the survey, Sophia Joughin, Venture Minerals' geologist).

The Riley Ck area was first classified into aspects and overall habitats to ensure all were sampled.

A brief on-site induction/discussion was then carried out to agree on what field sign was being looked for.

The on-ground technique was to proceed along a strip walking in parallel and within easy hailing distance (this distance varied with habitat), searching for dens by looking into and under likely places, be they hollow logs or boulders or under dense clumps of vegetation where wombats might be, using torches and intimate examination. The assistants' asked the principal for a second opinion when needed and the principal regularly checked on the assistants' decisions to make sure of consistency. On each aspect/habitat combination the strip width and length searched was recorded by the principal with GPS coordinates recorded at points of interest and his strip section edge points. The principal also calculated how many potential lay-ups and natal dens were within strips searched and strip width and search intensity was varied to try and maintain a detection probability of about .8, meaning 80% of potential lay-ups and natal dens would be found (reaching a detection probability approaching 1 would mean very little area could be searched).

The principal also kept a record of evidence of potential devil prey and other animals of interest.

While driving on gravel roads at Riley Ck, counts of what might be devil scats were made and when opportunity offered these or other roads and tracks were also walked to record scats (species identification of scats is more accurate on foot). Data from both these methods were used to compare with other counts already made by the principal in areas of known devil density (eg from trapping, my unpublished data). Any devil footprints seen were recorded.

The areas samples for survey represented about 23% of the area of "particular interest" and about 15% of the area of "general interest" (Figure 3).



Figure 3. Areas of Riley Ck searched on foot.

While driving on sealed roads between Tullah and the general area, counts of raptors and ravens were made to give another measure of the potential of the area for devils (being competitors of devils, these birds are indicators of a common resource).

This field assessment of the part of the Riley Ck site selected for survey was carried out on the 6th and 13th October 2011.

Spotted-tailed Quoll

Searching was encompassed in the devil searches.

Wedge-tailed Eagle

What suitable trees in and around the Riley Ck area could be seen while on foot were keenly searched for nests by binoculars and amounted to about 80% of the area of "special interest", about 60% of the area of "general interest" and about 15% of the area within 1km of the former. Searching wider was not possible since rotor-winged aircraft would be needed and that use at the search time (coinciding with eagle breeding) would be potentially harmful so it was not carried out. This is standard for eagle nest searches.

Masked Owl

Any potential tree hollows seen while searching were examined by binoculars and their underneath searched for pellets. Occasionally a voice imitation of the masked owl 'rasp' call was made at such trees and select potential nest trees scratched with a long stick - both techniques that occasionally flush masked owls.

Bird lists were recorded at strategic points (eg lunch breaks) for Birds Australia atlas.

RESULTS

Tasmanian Devil

Potential densities: Open, old growth eucalypt forest usually has medium –high densities of Tasmanian devils – estimated as about 2-3 devils/km², say, 2.5 devil/km² (eg DPIPWE 2010). The eucalypt/burea/ tea tree complex would have substantially less, say, 1 devil/km². Therefore, as a logical generalisation, the Riley Ck area of “special interest” and the area within 25m of its boundary (the usual consideration for disturbance to a devil natal den, say, a total of 172ha), likely supports a maximum of 4.4, say, 5 adult devils. In a non-dftd population, probably ¼ of the adult population are breeding females (ie., requiring a natal den, my calculation) so, on a simple area basis, the chances of a natal den existing in the Riley Ck area of “special interest” is about 1; there should be a natal den in or very near the area.

During nearly 260km of sealed road driving in the vicinity of the proposed RSF and to and from Tullah, no raptors and only 7 forest ravens *Corvus tasmanica* were recorded, reflecting a relatively low density of such birds in these closed, wet habitats. This again suggests a low potential for carnivores.

During 10 hours of habitat searching no evidence of possums was seen and no wallabies were flushed, contrasting markedly with what is normally seen in old, dry eucalypt woodland with scrubby gullies. Evidence of echidnas *Tachyglossus aculeatus* as digs was common (Indeed 1 devil scat examined contained echidna spines). Wallaby scats (usually of Bennett’s wallaby *Macropus rufogriseus*) were uncommon but widespread and scats of common wombat were common in the far south eastern end adjacent to tea tree and buttongrass moorland with its tea tree *Leptospermum lanigerum* edge. Bird diversity and abundance was low and no raptors nor forest ravens were seen, again contrasting strongly with what might be expected from superficial examination of the habitat. This dearth of the usual food of devils again suggests poor potential for the species.

Devil density Indices: Each day 7km of gravel road was driven and 2 fresh (ie apparently from the week before) devil scats were so recorded, both from outside the areas of “special” or “general” interest.



Fresh devil scat

This compares with the range of about 3.5 scats/km for a density of 5 devils/km², and 0.4 scats/km for a density of 0.2 devils /km² (my unpublished data). Over the survey, 1.8km of road was walked looking for scats for a total of 2 fresh devil scats (both from the south-east end) compared with about 20scats /km for a density of 5 devils/km² and 2 scats/km for a density of 0.2 devils /km². Only two sets of devil tracks were observed in the reasonably common mud puddles (possibly from the same individual since they had the same pes width and apparent age and were on the same track), again at the south-east end.



Devil footprints

Twenty seven old devil scats were found (old because degraded and /or covered in algae),



Degrading and algae-covered 'old' devil scats at a latrine.

very heavily concentrated in the south-east there being a substantial latrine at a typical place – track junction near dense scrub (0368123 E 5376685N). Importantly nearly every scat was of different ages consistent with suggesting few individuals.

All together, this suggests the searched area of Riley Ck has a density of devils lower than its superficial potential.

Potential Lay-ups and Natal Dens: Many potential lay-up places were found – most temporary ie., in degrading logs (Table 1.). Although their hollows could be large and reasonably dry (the site has reasonable drainage), few logs showed good potential as natal dens (mainly due to the nature of log hollows and the natural shape of most pith hollows).



Large hollow logs amongst tea tree and woodland

Although many potential lay-ups and a few (marginal) potential natal dens were found no with evidence of use by devils or spotted-tailed quolls was seen. No wombat burrows were found although evidence of at least temporary use of several hollow stumps was seen, all in the south-eastern end.

Table 1. Major habitat types and areas searched by foot on 6 and 13 October 2011, and estimated numbers of potential devil lay-ups and potential natal dens in the area of Riley Ck searched.

| | Eucalypt woodland and open forest | Tea-tree edge to button grass | Tea tree and bauera |
|---|-----------------------------------|-------------------------------|---------------------|
| Estimated total area (ha) | 145 | 5 | 20 |
| Area searched (ha) | 35 | 2 | 3 |
| Potential lay-ups counted /ha | 4 | 10 | 5 |
| potential lay-ups/ha corrected for detection probability | 5 | 13 | 6 |
| Estimated total potential lay-ups | 725 | 65 | 120 |
| Potential natal dens counted /ha | .1 | .2 | .2 |
| Potential natal dens/ha corrected for detection probability | .125 | .25 | .25 |
| Estimated total potential natal dens | 18 | 1 | 5 |
| Active natal dens found | 0 | 0 | 0 |

Spotted-tailed Quoll

One scat highly likely to be of this species (showing a classic doubled-backed trailing tip) was found by foot search of an overgrown road. No other evidence was found.

Wedge-tailed Eagle

No evidence was found.

Masked Owl

No evidence was found.

DISCUSSION

Indices of abundance of Tasmanian devils, their food and competitors at Riley Ck , suggests devils are at low densities, perhaps in the order of 0.2 devils/km², the searched area perhaps supporting 1 devil or, more realistically, helping support several more. This accords with a theoretical treatment of the area's extent and habitats for potential for devils. No active natal den or lay-up was found or is likely to exist in the area of

concern although it is probable wombat den(s) exist in the south-eastern corner, perhaps in or near the search area. One of these is the likely natal den site if one exists nearby.

Such may have been missed by the search (it was habitat *sampling* after all carried out in a short time) or occur just outside the area on the south eastern boundary near the concentration of wombat and devil activity. Any mining operations in this fringe area should probably be preceded by a precautionary search for wombat burrows and any found elsewhere should be checked for occupation by devils. One problem is that wombats dig burrows so the lifespan of this search is finite and a burrow might be dug in between search and operations but much the same applies to anything but cliff (permanent) sites.

Although assessment of any one such proposed development gives a low potential for actually harming devils the impacts are accumulative across projects and without substantial efforts at rehabilitation (a long-term potential) they will result in a net degradation of devil habitat and devils in an area with potential to save the species in the wild (so far it is free of DFTD).

Perhaps equally or even more important, is the attrition human activity can have via accidents to devils (eg road-kills, dog-kills, uncapped pipes or other holes devils cannot escape from such as some mine exploration pits) and persecution of devils (eg illegal trapping to protect poorly penned poultry in nearby Tullah) and accidents to (road-kills and pet-kills) and hunting of prey. The introduction of roads is also thought to help establish invasive species such as feral cats with their competition and diseases (eg toxoplasmosis). Unplugged drill holes (10cm diameter with a loose soil funnel entrance, such as found at Riley Ck, below) are a potential hazard to devil imps (pups) and other small animals. Even some auger holes (there are many thousands) can act as pitfalls and it is recommended they be plugged by loose stones and ground litter as a simple 'good practice' procedure.



Unplugged drill hole

It is possible that the mining industry could offset its many small, arguably inevitable impacts by alleviating some of these avoidable and unnecessary problems and even contributing to knowledge and conservation of Tasmanian devil off-site; all 'offsets' of a kind.

The author has experience in these matters and would be happy to advance the concepts.

Superficially from forest structure the area appears ideal for masked owls but the lack of evidence of owls, small mammals and birds (essential prey) suggests the potential is actually much lower.

Despite an apparent dearth of sightings and their usual prey, eagles may nest at Riley Ck (they are very mobile and could hunt out of the area). Since much of the core area considered has not been searched since 2006 there should be a post Xmass search by helicopter when eagles are not particularly sensitive to disturbance (Mooney and Holdsworth 1991).

Acknowledgments

All staff of Venture Minerals at Tullah concerned with the assessment were extremely cooperative and helpful, Mr. Dene 'Deno' Miller especially so and the development of in-house natural history skills is to be commended; so far it is a largely untapped resource. David Fulford of Forestry Tasmania, Murchison District was very cooperative in providing details of local eagle nest searches carried out by that organisation.

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20/10/11

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LIMESTONE CREEK TARGET AREA EL45/2010
ACCESS, GRID LINES, SOIL SAMPLING & TEST PIT LOCATIONS
BOTANICAL AND FAUNA HABITAT SURVEY
FOR VENTURE MINERALS LTD

15th February 2012



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1.0 INTRODUCTION:

1.1 Background:

Venture Minerals Ltd is proposing to undertake an exploration program within the catchment of Limestone Creek which is a minor tributary of the Wilson River. The program will involve the upgrading of a short walking track to enable vehicular access, the cutting of grid lines for soil sampling and formation of an access track along the valley of Limestone Creek to provide access to the proposed test pit locations across part of the site. The area is located within the exploration licence area EL45/2010. A botanical and fauna habitat survey is required as part of the MRT license conditions in order to determine possible impacts on threatened species or threatened vegetation communities by the clearing of the grid lines and the excavation of the test pits within the target area.

1.2 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 target area or in the vicinity.
- Undertake a field survey of the target area 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 potential habitat of threatened fauna.
- Determine the possible impacts of the proposed exploration program of test pit excavations and clearing of grid lines, as well as the access track upgrading and the proposed access track along the valley of Limestone Creek on the natural values present and make recommendations on how those impacts can be minimised.

1.3 Location of Study Area:

EL45/2010 is located about 28 kilometres west of Tullah and to the north of the Pieman Road in western Tasmania. Limestone Creek is a minor tributary of the Wilson River. The creek flows northwards from Serpentine Ridge for a distance of about 1.7 km to its confluence with the Wilson River.



MAP 1: Location of Study Area

1.4 Site Description:

Geographically the Limestone Creek target area is located at the north-western end of Serpentine Ridge but is separated from the main ridgeline by the Pieman Road.

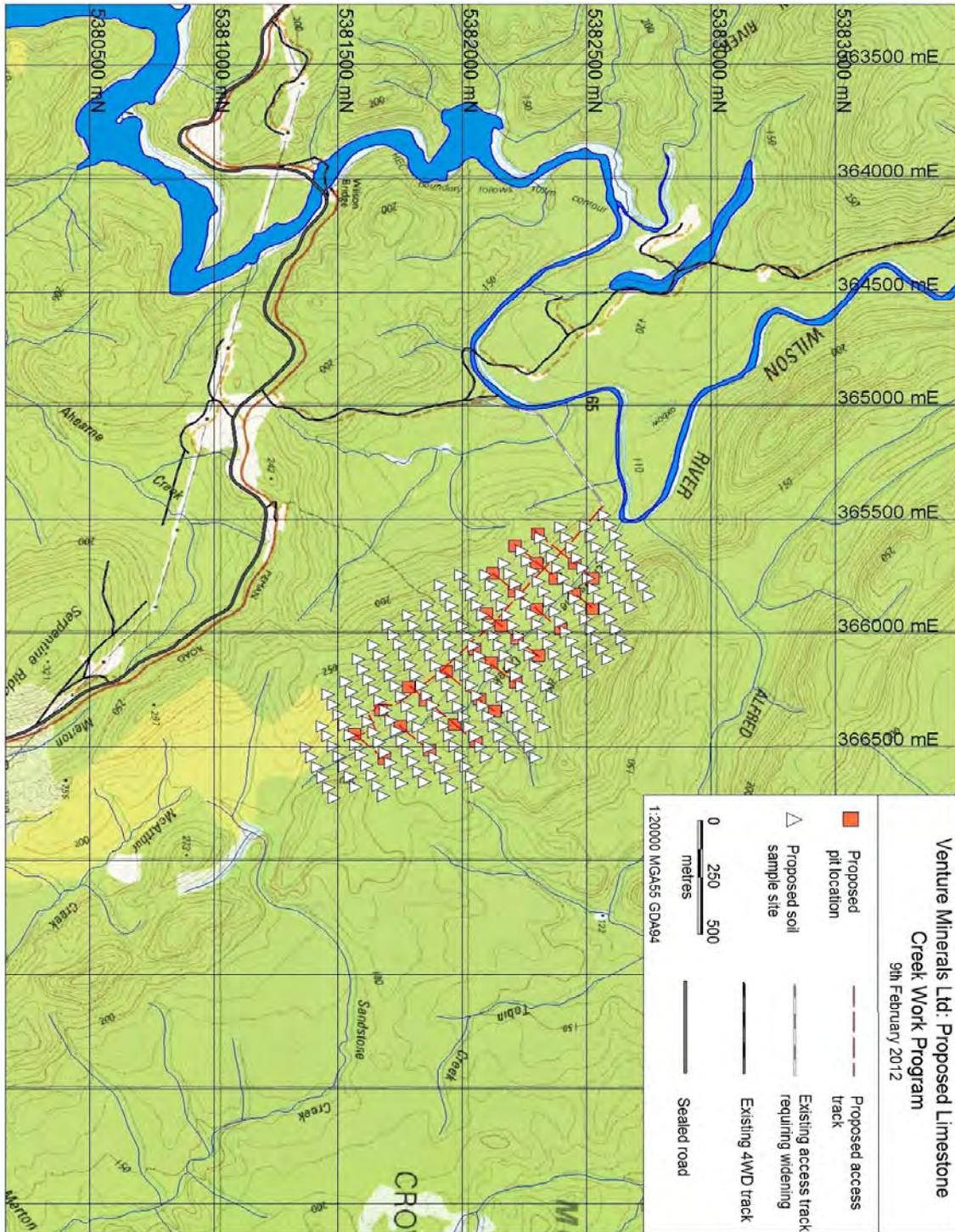
The study area is within a small enclosed catchment surrounded by hills and composed of one main creek (Limestone Creek) about 1.7km in length and one small tributary which flows from the south-east to the north-west and then into the Wilson River.

About 18 parallel grid lines are proposed and extend across the full width of the valley floor in an approximate north-easterly to south-west alignment as detailed on the following map, Map No.2. Nine of the proposed grid lines will include sites for test pit locations. The formation of a vehicular track along the valley of Limestone Creek will be necessary to provide access to each of the test pit locations.

As the name suggests the geology within the valley and target area is limestone which is in contrast to the adjacent valley to the west which is of ultramafic origin, and has been surveyed previously.

Access to the Limestone Creek target area is from the existing 4WD track which extends from the Pieman Road to a ford on the Wilson River. A previously cut and flagged walking track extends from this point for a distance of 500 metres or so to the confluence of Limestone Creek with the Wilson River and then the creek-line is followed upstream.

- Note that the map requires rotation for correct north orientation.



MAP 2: Limestone Creek area with access routes, grid lines and test pit excavation locations indicated.

2.0 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, weeds known to be present in the locality, and the status of any reserved land in the area.

2.1 Desktop Survey Results:

VEGETATION COMMUNITIES:

The following vegetation communities area mapped under TasVeg mapping program as occurring within 1,000 metres of the study area reference point. GRID REF: 365500E – 5382000N.

| VEGETATION COMMUNITY | TasVeg Code / Map Colour | Extent in Study Area |
|---|---|--|
| <i>Nothofagus – Phyllocladus</i> Short Rainforest | RMS / RMU / Dark blue | Not differentiated from RMU. Across the north and north-east of the study area and along Limestone Creek. |
| <i>Lagarostrobos franklinii</i> Rainforest & Scrub | RHP / Dark blue with diagonal lines | Along the Wilson River and at the river’s confluence with Limestone Creek. |
| <i>Eucalyptus obliqua</i> Wet Forest (undifferentiated) | WOU / Light blue | 3 patches, one on the slopes to the east of Limestone Creek. |
| <i>Eucalyptus nitida</i> Wet Forest (undifferentiated) | WNU / Bright blue with vertical lines | 2 small patches along Limestone Creek and a larger patch in the adjacent catchment to the east. |
| <i>Eucalyptus nitida</i> Dry Forest & Woodland | DNI / Bright green with zig zag lines | One small patch near lower reaches of Limestone Ck, more extensive to the west of the target area. |
| <i>Leptospermum</i> Scrub | SLW / Pink with horizontal yellow lines | The main community along the upper reaches of Limestone Creek and the lower slopes to the west of the creek. |
| Western Wet Scrub | SWW / Pink with yellow “x” | Extensive across the adjacent ridge and valley to the west of Limestone Creek. |

TABLE 1: Vegetation Communities as per TasVeg within 1,000 metres of the TSF target Area Reference Point. GRID REF: 365500E – 5382000N

BOTANICAL & FAUNA HABITAT SURVEY: LIMESTONE CREEK FOR VENTURE MINERALS LTD

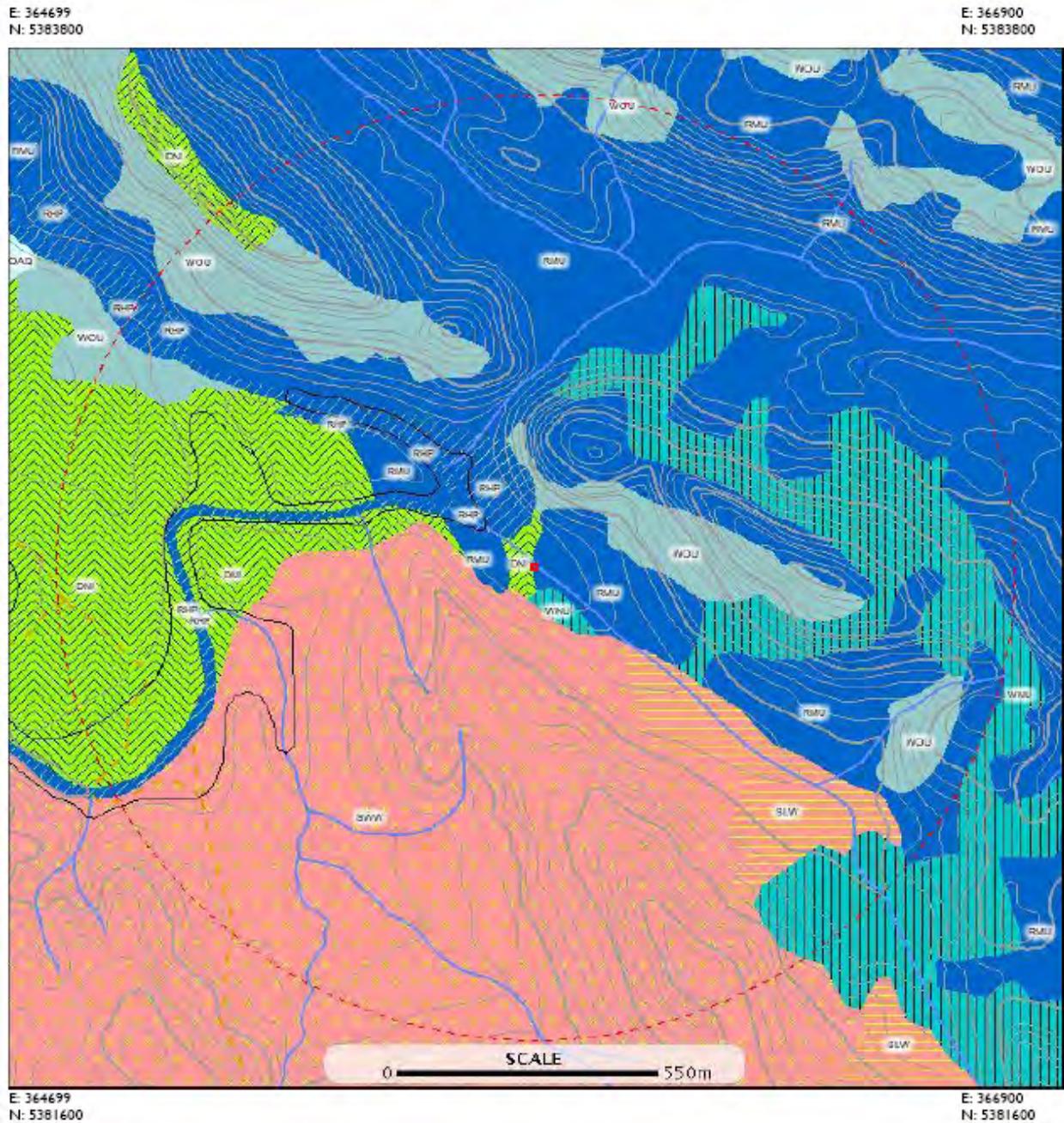


FIGURE 1: Vegetation communities as per TasVeg mapping program within 1,000 metres of the study area reference point. GRID REF: 365800E – 5382700N.

- CODE RMS / RMU *Nothofagus- Phyllocladus* Short Rainforest
 RHP *Lagarostrobos franklinii* Rainforest & Scrub
 WOU *Eucalyptus obliqua* Wet Forest (undifferentiated)
 WNU *Eucalyptus nitida* Wet Forest (undifferentiated)
 DNI *Eucalyptus nitida* Dry Forest & Woodland
 SWW Western Wet Scrub
 SLW *Leptospermum* Scrub

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 (RMS) is well reserved in western Tasmania but is considered to be under-reserved in its old-growth condition in some bioregions.
- *Lagarostrobos franklinii* Rainforest & Scrub (RHP). Although not listed as a threatened community under the above Act, Huon Pine Rainforest it is of high conservation value because it has a limited distribution, mainly within the riparian zone of rivers in the west and south-west of the state. The community has been subject to extensive logging since the days of early white settlement and more recently large areas of the community have been inundated by hydro-electric impoundments. Remaining old-growth stands of the community are restricted to inaccessible areas of the west and south-west.
- *Eucalyptus nitida* Wet Forest (WNU) is a widespread community in western Tasmania and is well reserved, 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 (WOU) 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.
- *Eucalyptus nitida* Dry Forest (DNI) is a widespread community in western Tasmania and is well reserved although in its old-growth condition it is considered to be under-reserved in some bioregions.
- Western Wet Scrub (SWW) is widespread in western Tasmania.

THREATENED FLORA:

One species of plant which is listed as being rare under the Tasmanian *Threatened Species Protection Act 1995* is recorded on the “Natural Values Atlas” database as occurring in the location.

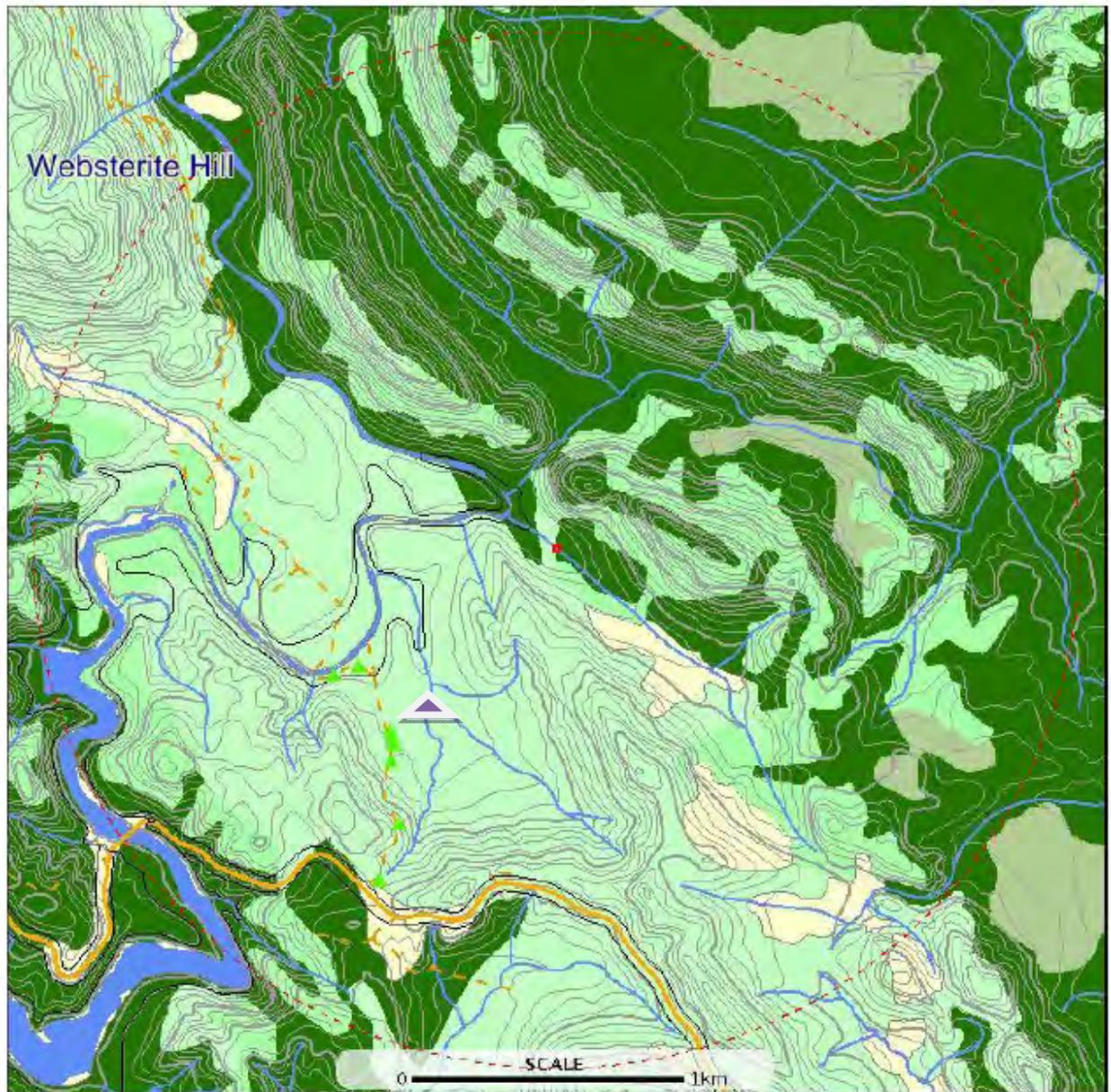
- *Micrantheum serpentinum* the Western Trident Bush is a serpentine endemic which occurs only on the ultramafic geology of this area of the west coast. There are 8 recorded locations for the species on the database from 2007 and all recorded from along the access track between the Pieman Road and the banks of the Wilson River within 1500 metres of this study area reference point.

A second species of threatened plant has been recently recorded within 1,000 metres of this location but has not yet been entered into the “Natural Values Atlas” database.

- *Epacris moscaliana* the Seepage Heath. A small population of this species was recorded in 2011 from along the creek-line within the adjacent catchment to the west of Limestone Creek. This creek-line also flows through the area of serpentinite.

E: 363700
N: 5384800

E: 367899
N: 5384800



E: 363700
N: 5380600

E: 367899
N: 5380600

FIGURE 2: Recorded locations for *Micranthemum serpentinum* (green) and *Epacris moscaliana* (purple) within 1,200 m of study area reference point.

THREATENED FAUNA:

There were no species of threatened fauna recorded on the database as occurring within 1,000 metres of the study area reference point.

One species of threatened fauna was recorded on the data base as occurring within 2,000 metres of the study area reference point.

- *Sarcophilus harrisii* the Tasmania Devil has one record dated from about 1996 (a sighting from along the Pieman Road) and two further sighting records also from along the Pieman Road but more recently in 2011. There are also numerous scat records from the Mt Lindsay area within 5,000 metres of this site.

The species is now listed as being endangered under both State and Commonwealth Acts.

There was one further threatened species of fauna recorded on the database from within 3,000 metres of the study area reference point.

- The Wedge-tailed Eagle, *Aquila audax* subsp *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. One nest tree record from the 1980's is located 4,000 metres north of the study area and about 1,000 metres north-east of Websterite Hill. There is also a sighting record from the same locality dated 1996.

A second nest tree is recorded within 5,000 metres of the study area.

Two further species of threatened fauna are recorded from within 5,000 metres of the study area.

- The Swift Parrot *Lathamus discolor* with 2 records from 1988 and one from 1994. This bird is listed as being endangered under both State and Commonwealth Acts.
- The Bowry Creek Hydrobiid Snail *Beddomeia bowryensis* with one 1989 record. The species is listed as being rare under the State Act.

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.

ENVIRONMENTAL WEEDS:

One species of environmental weed is recorded on the database as occurring within 1,000 metres of the study area reference point.

- *Erica lusitanica* the Spanish Heath is recorded along the verge of the Pieman Road to the south of the study area. There are 3 recorded locations on the database all along the verge of the Pieman Road. Spanish Heath is a serious environmental weed which has the potential to invade natural vegetation and bushland.

RESERVE ESTATE:

All of the target area located between the Pieman Road and the Wilson River is included within the Meridith Range Regional Reserve.

3.0 Field Survey:

3.1 Methodology:

The field survey was undertaken on foot and included the existing walking access track which extends from the existing 4WD track at the Wilson River as far as the confluence of the Wilson River with Limestone Creek. The survey then followed the valley of Limestone Creek upstream in a south-easterly direction.

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

The survey was conducted Monday 6th February 2012.

3.2 Limitations:

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.

The density of the vegetation in the location also precluded full access to the whole target area.

However all significant species known to occur in the study areas and their environs have been considered in this report.

3.3 Field Survey Results:

VEGETATION COMMUNITIES:

Four distinct vegetation communities were observed during the survey.

- *Nothofagus – Phyllocladus* Short Rainforest (RMS)
- Western Wet Scrub (SWW)
- *Leptospermum* Scrub (SLW)
- *Lagarostrobos franklinii* Rainforest (RHP)

The walking track which extended from the ford over the Wilson River towards Limestone Creek is to be upgraded to accommodate vehicles and to provide access to the Limestone Creek target area. The vegetation along this track comprises the community Western Wet Scrub with occasional emergent trees of *Eucalyptus nebulosa* which typically occurs on the ultramafic geology in the wider area. No threatened species of flora such as *Micranthemum serpentinum* were observed along this track even

though the geology was suitable. The geology changed with proximity to Limestone Creek and as the name suggests the valley of this creek is composed of limestone.

The vegetation within the riparian zone of the Wilson River in proximity to its confluence with Limestone Creek comprises a Huon Pine rainforest community, *Lagarostrobus franklinii* Rainforest, and four semi-mature trees of Huon Pine were observed in this location. The community did not extend upstream into Limestone Creek although a Rainforest community predominated the lower reaches of the creek and extended as a corridor along the creek-line to the south-east. The rainforest community along the creek was dominated by Myrtle *Nothofagus cunninghamii* with Sassafras *Atherosperma moschatum*, Leatherwood *Eucryphia lucida* and Blackwood *Acacia melanoxylon* being frequent as well as occasional emergent Eucalypt trees. There was a relatively high level of species diversity in the understorey which included species such as Horizontal *Anodopetalum biglandulosum*, Laurel *Anopteris glandulosus*, Heart Berry *Aristotelia peduncularis*, Native Pepper *Tasmannia lanceolata* and numerous ferns. Celery-top Pine *Phyllocladus asplenifolia* was not observed until the middle reaches of the creek and most plants observed were saplings up to 4 metres in height.

The middle reaches of Limestone Creek passes through an area of relatively mature *Leptospermum* Scrub which was dominated by *Leptospermum lanigerum* and *Melaleuca squarrosa* although Dogwood *Pomaderris apetala* was also present. *Gahnia grandis* and *Lepidosperma longitudinale* dominated the ground layer although *Baura rubioides* was also common. Saplings of Celery-top Pine *Phyllocladus asplenifolius* were also present in this community.

THREATENED VEGETATION COMMUNITIES:

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

VEGETATION COMMUNITY OF CONSERVATION SIGNIFICANCE:

- *Lagarostrobus franklinii* Rainforest was present only within the riparian zone of the Wilson River near its confluence with Limestone Creek and did not extend upstream along Limestone Creek itself. The community was not present within the actual target area of Limestone Creek and will not be impacted by the proposed exploration program. However the alignment of the access track, proposed for upgrading from a walking track to a vehicular track as previously discussed should be kept clear of the riparian zone of the Wilson River.

THREATENED FLORA:

No species of plant listed under the Tasmanian *Threatened Species Protection Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* were observed during the survey of Limestone Creek.

NON-THREATENED FLORA OF CONSERVATION SIGNIFICANCE:

- *Eucalyptus nebulosa* is considered to be of conservation significance as it is restricted to the ultramafic geology of the western Tasmania. The tree was observed along the proposed access track as an emergent tree of the Western Wet Scrub community, the only location in this survey area on ultramafic geology.
- *Lagarostrobus franklinii*. Four semi mature trees of Huon Pine were observed along the banks of the Wilson River near its confluence with Limestone Creek. GRID REF: 365556E – 5382819N. A single sapling of the species was observed nearby on Limestone Creek at GRID REF: 365636E – 5382778N.

The locations are outside of the target area and will not be impacted by the exploration program.

- Two mature old-growth Eucalypts were observed adjacent to the confluence of Limestone Creek with the Wilson River at GRID REF: 365609E – 5382793N and 365631E – 5382789N. Neither tree will be affected by the exploration program.

THREATENED FAUNA:

No species of threatened fauna was observed during the survey.

No evidence of the presence of Tasmanian Devils *Sarcophilus harrisii* such as scats was observed during the field survey.

THREATENED FAUNA HABITAT:

No potential habitat for threatened species of fauna known to occur within 5,000 metres of the study area or species which could occur based on their geographical range and habitat requirements was observed during the field survey.

No old-growth trees or trees with significant hollows which may form suitable habitat for Wedge-tailed Eagles, Masked Owls or Swift Parrots were observed during the survey. No large trees with basal hollows with potential as den sites for Tasmanian Devils or Spotted-tailed Quolls were observed during the survey. However only a small portion of the valley was surveyed and there is potential for mature and old-growth trees with significant hollows to be present, particularly across the more forested slopes on the eastern side of the valley.

The White Goshawk prefers mature wet forests and Blackwood forests and could potentially occur in the location.

The White-bellied Sea-eagle prefers open water such as on the nearby Lake Pieman hydro-electric impoundment.

The nearest suitable habitat for species such as the Azure Kingfisher was the Wilson River to the immediate north of the target area and the Grayling which is unlikely to be present because the Pieman dam prevents fish movements from the sea.

HABITAT FOR NON-THREATENED SPECIES OF FAUNA:

A species of Burrowing Crayfish *Engaeus sp.* was present along the lower reaches of Limestone Creek as numerous 'chimneys' which surround their burrow entrances were observed. The *Engaeus sp.* present is likely to be a widespread species such as *E. fossor* as the location is well outside the known range of any of the listed threatened species.

ENVIRONMENTAL WEEDS:

No environmental weeds were observed within the survey area however the Spanish Heath *Erica lusitanica* is known to be present along the Pieman Road where it passes to the south of the study area. The weed is often spread by road verge maintenance activities such as slashing and grading.

PHYTOPHTHORA:

There was no symptomatic evidence of the presence of *Phytophthora cinnamomi* within or adjacent to the survey area.

The presence of the pathogen is suspected along the verge of the Pieman Road about 4 kilometres to the east of this location where unhealthy and some dead plants of *Banksia marginata* were observed. *Banksia marginata* is known to be susceptible to the fungal disease and it is quite possible that these symptoms are indicative of an infection of *Phytophthora cinnamomi* causing the decline and poor health of the plants in this location.

4.0 Survey Conclusions:

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

One vegetation community considered to be of conservation significance was observed during the survey. *Lagarostrobos franklinii* Rainforest occurred along the banks of the Wilson River but did not extend upstream along Limestone Creek or into the target area.

No species of flora which are listed under the Tasmanian *Threatened Species Conservation Act 1995* and/or the Commonwealth *EPBC Act 1999* were observed during the survey.

No species of threatened fauna or evidence of their presence was observed during the survey.

No potential habitat for species of threatened fauna known to or could possibly occur in the locality was observed during the survey although potential habitat could occur in locations not surveyed within the Limestone Creek valley and catchment.

Good populations of a non-threatened species of Burrowing Crayfish were observed along the lower reaches of Limestone Creek.

No environmental weeds were observed in the survey area although one species *Erica lusitanica* is known to be present along the verge of the Pieman Road to the south of the survey area.

No symptomatic evidence of the presence of Phytophthora was observed within the survey areas, however there is evidence of possible infection in *Banksia marginata* along the verge of the Pieman Road about 4 kilometres to the east.

The upgrading of the existing walking track to enable vehicle access will have minimal impact on the vegetation in this location.

The proposed vehicle access track along the valley of Limestone Creek to link test pit sites has the potential to impact on Limestone Creek, the associated valley vegetation and habitat for Burrowing Crayfish.

5.0 Recommendations:

VEGETATION COMMUNITIES:

The formation of access tracks, grid line clearing and test pit excavations as proposed will have some impact on the vegetation communities observed in the target area.

- The upgrading of the existing walking track to enable vehicular access will require the clearing of fallen trees and the formation of the wider track by excavator. The track alignment passes through the Western Wet Scrub community which has emergent trees of *Eucalyptus nebulosa* where it extends over the ultramafic geology. Limit excavations as much as possible and minimise impacts at the one creek crossing. The track alignment and formation should be kept clear of the riparian vegetation alongside the Wilson River.
- The new access track proposed to extend along Limestone Creek and link proposed test pit locations should be located upslope of the creek-line in order to minimise impacts. The track alignment should also avoid any mature or old-growth trees. Minimise impacts on vegetation at creek crossings and avoid populations of Burrowing Crayfish at creek crossing locations.
- Minimise clearing widths of proposed grid lines to limit impacts on the vegetation and avoid large trees.

THREATENED VEGETATION COMMUNITIES:

No threatened vegetation community was observed during the field survey and no specific action is required in addition to those detailed under Vegetation Communities.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE:

The proposed exploration program will not impact on any vegetation community of conservation significance providing the alignment of the upgraded track is kept clear of the riparian zone along the Wilson River where *Lagarostrobos franklinii* Rainforest is present.

THREATENED FLORA:

The proposed exploration program will not impact on any species of threatened flora which is listed under the Tasmanian or Commonwealth Acts and no specific action is required.

FLORA OF CONSERVATION SIGNIFICANCE:

The proposed work program will not impact any non-threatened flora of conservation significance observed in this survey and no further action in addition to those detailed under Vegetation Communities is required.

THREATENED FAUNA:

No species of threatened fauna or evidence of their presence was observed during the field survey and no specific action is required.

THREATENED FAUNA HABITAT:

No potential habitat for species of threatened fauna was observed during this survey although there is potential for suitable habitat for species such as Tasmanian Devil, Spotted-tailed Quoll and possibly the White Goshawk to be present in other locations within the valley.

- A targeted threatened fauna habitat survey should be undertaken within the target area once access is improved.

NON-THREATENED FAUNA HABITAT:

Good populations of a species of Burrowing Crayfish *Engaeus sp.* were observed along the lower reaches of Limestone Creek.

- Avoid populations of the Burrowing Crayfish when forming the access track along Limestone Creek and particularly so at any crossing of Limestone Creek.

ENVIRONMENTAL WEEDS:

Spanish Heath *Erica lusitanica* is known to be present along the verge of the Pieman Road within the EL although it was not observed within the study area or target area. The proposed work program will not encourage the spread of this weed into study area.

PHYTOPHTHORA:

A suspected infection of the pathogen is present within a population of *Banksia marginata* along the verge of the Pieman Road about 4 km to the east where it passes through the EL area. Both white flowered species of threatened Epacris recorded from the study area would be susceptible to the disease.

- Follow accepted protocols in regard to hygiene and washdown procedures for machinery and equipment to ensure that the pathogen is not inadvertently introduced into the work areas, by way of extraneous soil, mud or gravel adhered to tyres, workboots etc from the suspected infected areas along the adjacent verge area of the Pieman Road.
- Treatment stations are recommended at the entry point from the Pieman Road.

Philip Milner

Vegetation Consultant

APPENDIX 1: Vegetation Communities and Species Recorded

1. Western Wet Scrub (TasVeg Code SWW)

This community was present along the walking track which is to be upgraded to provide vehicular access to the Limestone Creek target area.

The community Western Wet Scrub however is widespread in western Tasmania.

| EMERGENT TREES | COMMON NAME | FREQUENCY |
|-----------------------------------|----------------------|-------------|
| <i>Eucalyptus nitida</i> | Western Peppermint | common |
| TALL SHRUB CANOPY | | |
| <i>Acacia mucronata</i> | Caterpillar Wattle | common |
| <i>Banksia marginata</i> | Silver Banksia | common |
| <i>Hakea epiglottis</i> | Beaked Needlebush | occasional |
| <i>Leptospermum lanigerum</i> | Woolly Teatree | common |
| MEDIUM SHRUBS | | |
| <i>Baeckia leptocaulis</i> | Slender Heathmyrtle | localised |
| <i>Bauera rubioides</i> | Wiry Bauera | common |
| <i>Leptospermum scoparium</i> | Manuka | common |
| <i>Lomatia tinctoria</i> | Guitarplant | uncommon |
| <i>Lomatia polymorpha</i> | Mountain Guitarplant | uncommon |
| <i>Melaleuca squamea</i> | Swamp Honeymyrtle | localised |
| <i>Telopea truncata</i> | Waratah | localised |
| SMALL SHRUBS | | |
| <i>Euphrasia sp.</i> | An Eyebright | uncommon |
| <i>Philotheca virgata</i> | Twiggy Waxflower | occasional |
| <i>Pimelea linifolia</i> | Slender Riceflower | uncommon |
| <i>Pultenaea juniperina</i> | Prickly Beauty | occasional |
| <i>Sprengelia incarnata</i> | Pink Swampheath | occasional |
| GRASSES & GRAMINOIDS | | |
| <i>Calorophus elongatus</i> | Black Roperush | occasional |
| <i>Gahnia grandis</i> | Cutting Grass | common |
| <i>Lepidosperma longitudinale</i> | Spreading Swordsedge | very common |

FERNS & ALLIED PLANTS

| | | |
|-------------------------------|----------------------|------------|
| <i>Gleichenia microphylla</i> | Scrambling Coralfern | occasional |
|-------------------------------|----------------------|------------|

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

This is the predominant community along the lower and middle reaches of Limestone Creek although few trees of Celery-top Pine *Phyllocladus asplenifolius* was observed in the lower reaches. Myrtle was the dominant tree although a number of other species were frequent within the canopy. There was also a relatively high level of species diversity in the understorey which included thickets of Horizontal and numerous ferns in the ground layer.

| DOMINANT TREE | COMMON NAME | FREQUENCY |
|--------------------------------|-------------|-----------|
| <i>Nothofagus cunninghamii</i> | Myrtle | common |

| | | |
|--------------------------|--------------------|------------|
| EMERGENT TREE | | |
| <i>Eucalyptus nitida</i> | Western Peppermint | occasional |

| CO-DOMINANT TREES | | |
|-------------------------------|-------------|------------|
| <i>Acacia melanoxylon</i> | Blackwood | occasional |
| <i>Atherosperma moschatum</i> | Sassafras | occasional |
| <i>Eucryphia lucida</i> | Leatherwood | occasional |

| UNDERSTOREY TREES AND LARGE SHRUBS | | |
|------------------------------------|---------------|------------|
| <i>Anodopetalum biglandulosum</i> | Horizontal | common |
| <i>Anopteris glandulosus</i> | Laurel | common |
| <i>Cenarrhenes nitida</i> | Native Plum | occasional |
| <i>Pomaderris apetala</i> | Dogwood | occasional |
| <i>Tasmannia lanceolata</i> | Native Pepper | occasional |

| | | |
|---------------------------------|-------------|------------|
| SMALL SHRUBS | | |
| <i>Aristotelia peduncularis</i> | Heart Berry | occasional |

| | | |
|-----------------------|---------------|--------|
| GRASSES & GRAMINOIDS | | |
| <i>Gahnia grandis</i> | Cutting Grass | common |

| FERNS & ALLIED PLANTS | | |
|-------------------------------|--------------------|------------|
| <i>Blechnum nudum</i> | Fishbone Waterfern | common |
| <i>Blechnum wattsii</i> | Hard Waterfern | common |
| <i>Dicksonia antarctica</i> | Soft Treefern | common |
| <i>Grammitis billardieri</i> | Finger Fern | common |
| <i>Histiopteris incisa</i> | Bat's wing Fern | common |
| <i>Microsorium pustulatum</i> | Kangaroo Fern | occasional |

| | | |
|-------------------------------|-------------------|------------|
| <i>Polystichum proliferum</i> | Mother Shieldfern | common |
| <i>Sticherus tener</i> | Silky Fanfern | occasional |

3. *Leptospermum* Scrub. (TasVeg Code SLW)

A relatively mature facie of *Leptospermum* Scrub was the predominant community along the middle reaches of Limestone Creek and the adjacent western slopes of the valley. The community had a low level of species diversity and few ferns in the ground layer which was dominated by *Bauera*, *Swordsedge* and *Cutting Grass*..

| CANOPY TREES | COMMON NAME | FREQUENCY |
|-----------------------------------|------------------------|--------------------|
| <i>Leptospermum lanigerum</i> | Woolly Teatree | very common |
| <i>Melaleuca squarrosa</i> | Scented Paperbark | common |
| <i>Pomaderris apetala</i> | Dogwood | occasional |
| SECONDARY TREES AND LARGE SHRUBS | | |
| <i>Cenarrhenes nitida</i> | Native Plum | occasional |
| <i>Phyllocladus asplenifolius</i> | Celery-top Pine | occasional sapling |
| SHRUBS | | |
| <i>Bauera rubioides</i> | Wiry <i>Bauera</i> | common |
| GRASSES AND GRAMINOIDS | | |
| <i>Drymophila cyanocarpa</i> | Turquoise Berry | uncommon |
| <i>Gahnia grandis</i> | Cutting Grass | very common |
| <i>Lepidosperma longitudinal</i> | Tall <i>Swordsedge</i> | very common |
| FERNS AND ALLIED PLANTS | | |
| <i>Gleichenia microphylla</i> | Scrambling Coralfern | occasional |

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1. DPIPWE Website www.naturalvaluesatlas.dpiw.tas.gov.au
2. DPIPWE Website www.dpipwe.tas.gov.au/threatenedflora (and fauna)
3. Harris s, & Kitchener A, (2005), *From Forest to Fjaeldmark*, DPIW Tasmania
4. Wapstra H, A & M, Gilfedder L, *The Little Book of Common Names for Tasmanian Plants*



PHOTO 1: *Lagarostrobus franklinii* Semi-mature trees of Huon Pine on Wilson River, near Confluence of Limestone Creek.

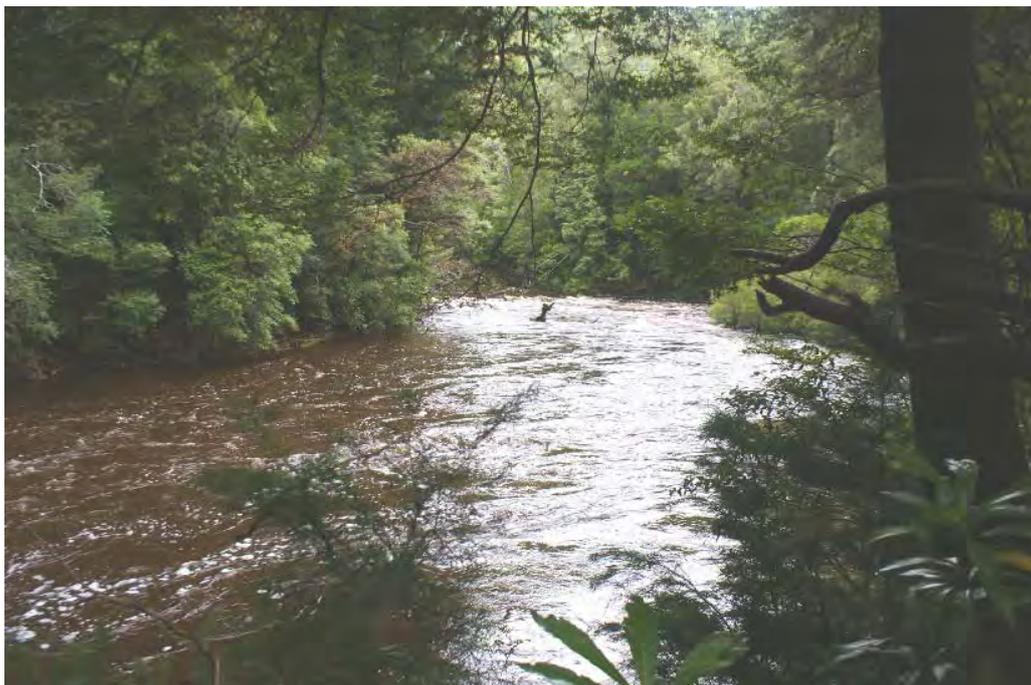


PHOTO 2: Wilson River near confluence of Limestone Creek.

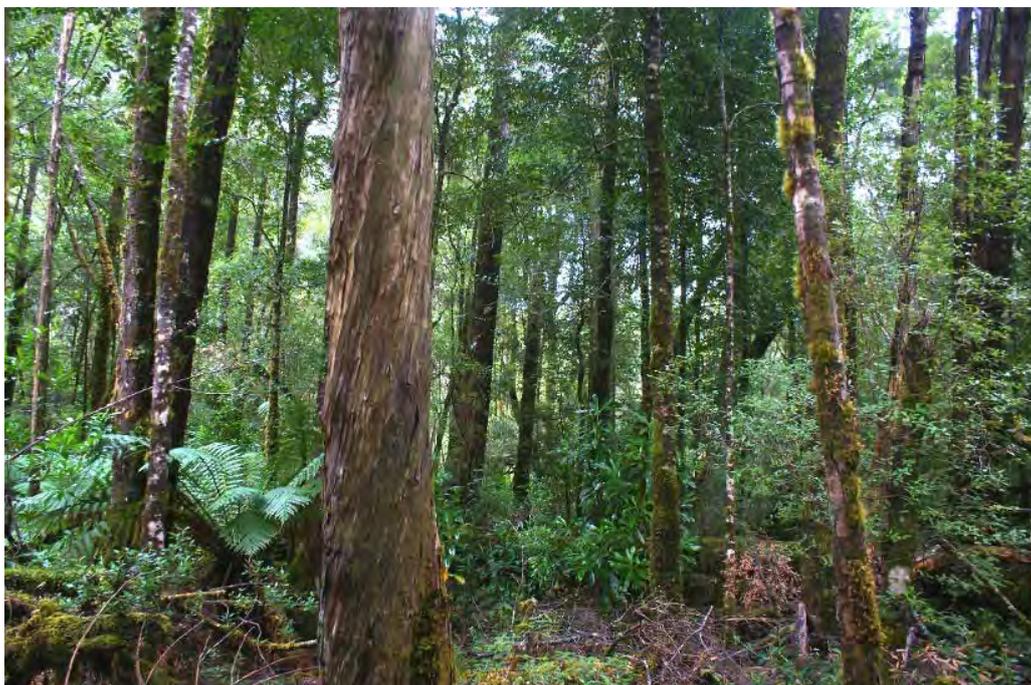


PHOTO 3: Rainforest lower reaches of Limestone Creek.



PHOTO 4: Low Rainforest near middle reaches of Limestone Creek.



PHOTO 5: *Leptospermum* Scrub with *Gahnia grandis* understory.



PHOTO 6: Middle reaches of Limestone Creek.

WILSON RIVER TARGET AREA EL45/2010

PROPOSED TSF SITE: SUPPLEMENTARY REPORT

SURVEY AND MAPPING OF *Epacris aff. moscaliana*/ *E. aff. virgata*

FOR VENTURE MINERALS LTD

8th December 2011



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1.0 INTRODUCTION:

1.1 Background:

The preferred site of the tailing storage facility (TSF) for Venture Minerals Ltd, Mt Lindsay Project is within an enclosed valley to the east of Mt Lindsay near the Wilson River.

A botanical and fauna habitat survey of the location was undertaken on the 31st October 2011 in order to assess the possible impacts of an initial site assessment which would involve the clearing of grid lines and the excavation of test pits.

During this survey a white flowered species of *Epacris* was observed and collected, and the samples were subsequently forwarded to the Tasmanian Herbarium for identification.

The Herbarium reported that the collection involved two species, one of which was provisionally identified as a species which is listed under the Tasmanian *Threatened Species Protection Act 1995* and the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* and the other listed under the Tasmanian Act only.

As a result the Conservation Branch of DPIPWE required a further survey to map the extent of the population of the *Epacris* in the location. At the same time other similar habitats within a radius of the location were also surveyed to see if other populations of the *Epacris* were present nearby.

This report should be read in conjunction with the previous report dated 10th November 2011.

1.2 Objectives:

The objectives of this survey were to:

- Survey and map the extent of the population of the *Epacris spp.* Within the proposed TSF area.
- Survey nearby locations of similar habitat identified from the Google Earth image of the wider area.
- Discuss options for conserving and future management of the *Epacris spp.* in the location.

1.3 Location of Survey Areas:

EL45/2010 is located about 28 kilometres west of Tullah off the Pieman Road in western Tasmania. The site of the proposed tailings storage facility and the location for this follow-up survey of the *Epacris spp.* is located within the area bounded by the Pieman Road, the Wilson River and the access track to the Wilson River, and by Limestone Creek.

Other nearby areas surveyed included Aherne Creek and an upper tributary of McArthur Creek.



MAP 1: Location of Study Area

1.4 Site Description:

Geographically the TSF target area is located at the north-western end of Serpentine Ridge but is separated from the main ridgeline by the Pieman Road.

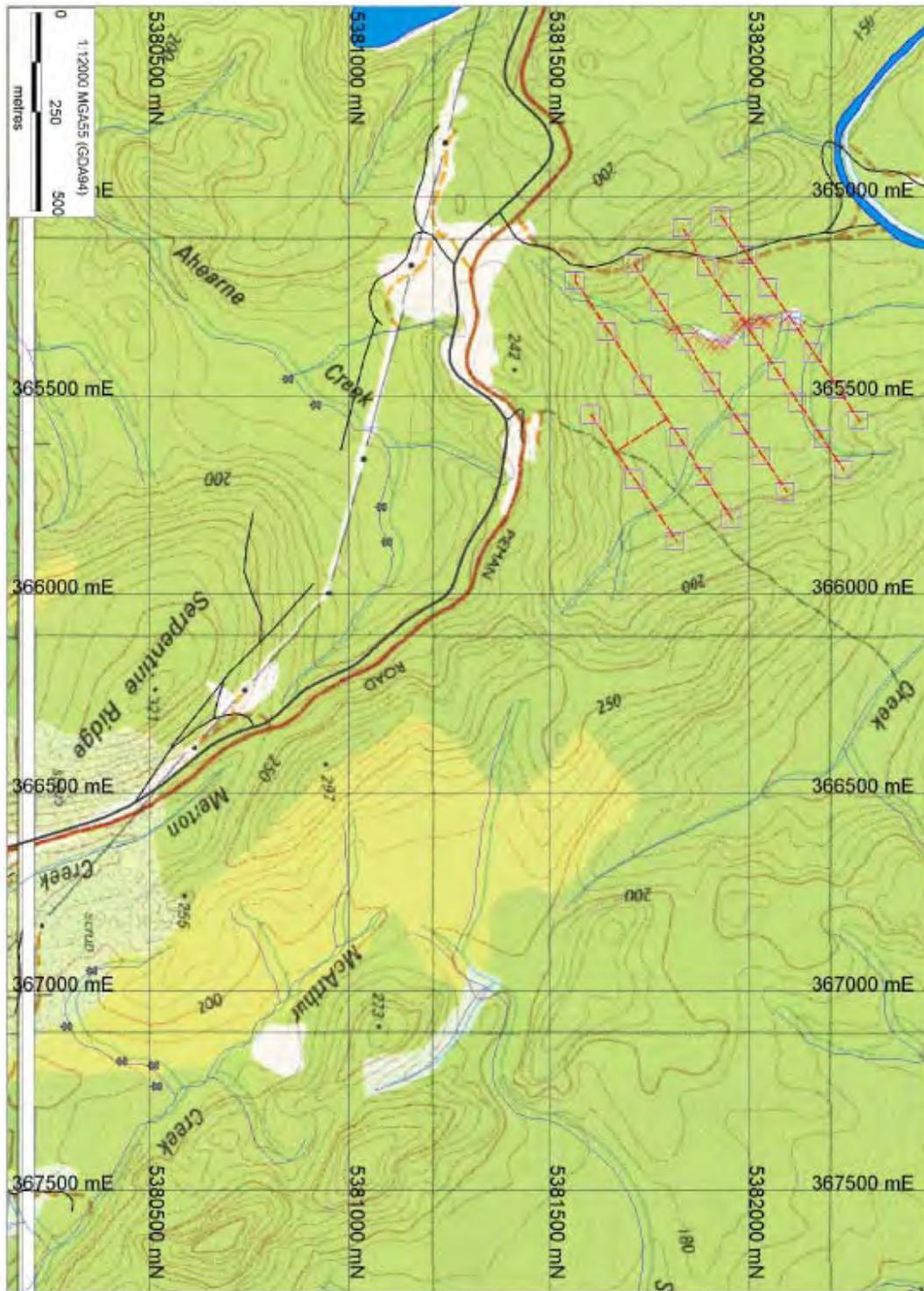
The study area is within a small enclosed catchment surrounded by hills and composed of one main creek and two small tributaries which flow into the Wilson River. The Wilson River is located to the immediate north of the TSF target area. Limestone Creek is located on the eastern side of the wider study area and within its own catchment which is located outside of the TSF target area.

The Pieman Road follows the ridge above and to the south of the TSF target area and the valley, and forms the southern boundary of the study area.

Aherne Creek is located in an adjacent catchment to the immediate south of the Pieman Road and south of the ridgeline along which it extends. McArthur Creek and the upper tributary which was surveyed is also located in an adjacent catchment but to the east of the TSF site.

The three survey areas are identified on the following map.

Note that the map requires rotation for correct north orientation.



MAP 2: Proposed Site of TSF with mapped locations of *Epacris* spp. X. Survey Locations at Ahearne Creek (4), and McArthur Creek (5).

2.0 Field Survey:

2.1 Methodology:

The field survey of the TSF area was undertaken on foot and focused on the known habitat along the creek-line and along the existing vehicular access track in the location. Suitable habitat along the creek-line was surveyed and regular locations where the *Epacris* was present was referenced and recorded. Aherne Creek was accessed from the existing high-tension power line easement which runs roughly parallel with the Pieman Road, and the McArthur Creek location was also accessed from another section of the power line easement service track.

2.2 Field Survey Results:

TSF TARGET AREA:

The vegetation across the valley floor in the location is composed of dense Western Wet Scrub which impeded access in places, however the vegetation on the flood plain adjacent to the main creek was very open and the vegetation was sparse. The geology of the flood plain consisted of a lateritic crust about 100mm thick which overlaid the serpentinite substrate. The crust formed a concrete-like layer which impeded the establishment of plants with the resultant sparse vegetation. This distinct habitat was the only area where the *Epacris* was observed except for a few outlying plants observed along the nearby vehicular access track. A trench has been previously dug along the line of the creek and through the crust in order to channel water, however the history of this work is not known.

The following table details the results of the mapping of the extent of *Epacris* aff. *moscaliana*/ *E.* aff. *virgata* along the creek-line and alongside the vehicular track within the TSF area, and are plotted on Map No.2 included with this report.

GRID REFERENCES are in GDA94

| Location No. | Easting | Northing | No. of Plants within 2m radius | Comments |
|--------------|---------|----------|--------------------------------|------------------------|
| EPMS001 | 365422 | 5382224 | 1 | Sample collection site |
| EPMS002 | 365418 | 5382212 | 1 | Sample collection site |
| EPMS003 | 365423 | 5382181 | 1 | Sample collection site |
| EPMS004 | 365429 | 5382180 | 1 | Sample collection site |
| EPMS005 | 365432 | 5382152 | 1 | Sample collection site |
| EPMS006 | 365476 | 5382126 | 1 | Sample collection site |
| EPMS007 | 365480 | 5382095 | 1 | Sample collection site |
| EPMS008 | 365472 | 5382062 | 1 | Sample collection site |
| EPMS009 | 365460 | 5382042 | 1 | Sample collection site |
| EPMS010 | 365444 | 5381990 | 1 | Sample collection site |
| EPMS011 | 365428 | 5382227 | 3 | |
| EPMS012 | 365421 | 5382274 | 1 | |
| EPMS013 | 365433 | 5382234 | 4 | |
| EPMS014 | 365426 | 5382229 | 23 | |
| EPMS015 | 365428 | 5382220 | 7 | |
| EPMS016 | 365430 | 5382197 | 5 | |
| EPMS017 | 365449 | 5382191 | 5 | |
| EPMS018 | 365430 | 5382187 | 3 | |
| EPMS019 | 365430 | 5382171 | 3 | |

SURVEY AND MAPPING OF EPACRIS SPP.: PROPOSED TSF SITE FOR VENTURE PTY LTD

| | | | | |
|---------------------|--------|---------|-----|--|
| EPMS020 | 365442 | 5382159 | 1 | |
| EPMS021 | 365452 | 5382151 | 5 | |
| EPMS022 | 365470 | 5382140 | 16 | |
| EPMS023 | 365491 | 5382122 | 2 | |
| EPMS024 | 365480 | 5382115 | 34 | Spoil heap from trench |
| EPMS025 | 365497 | 5382098 | 7 | |
| EPMS026 | 365447 | 5382001 | 1 | |
| EPMS027 | 365445 | 531985 | 4 | |
| EPMS028 | 365454 | 5382052 | 2 | |
| EPMS029 | 365474 | 5382082 | 8 | Spoil heap from trench |
| EPMS030 | 365483 | 5382091 | 53 | Spoil heap from trench |
| EPMS031 | 365481 | 5382107 | 20 | |
| EPMS032 | 365474 | 5382130 | 16 | |
| EPMS033 | 365428 | 5382157 | 2 | |
| EPMS034 | 365424 | 5382204 | 8 | |
| EPMS035 | 365422 | 5382220 | 2 | |
| EPMS036 | 365415 | 5382250 | 10 | |
| EPMS037 | 365419 | 5382277 | 38 | Including juveniles 30+/- Sample collected The only plant still in flower |
| EPMS038 | 365439 | 5382312 | 1 | |
| EPMS039 | 365437 | 5382313 | 25 | |
| EPMS040 | 365436 | 5382366 | 1 | Sample collected |
| EPMS041 | 365285 | 5382170 | 1 | Along vehicular track |
| EPMS042 | 365297 | 5382124 | 9 | Along vehicular track |
| TOTAL No. of plants | | | 330 | (estimate only, conservative number) |

TABLE 1: Plotted locations of *Epacris aff. moscaliana*/ *E.aff. virgata* within the TSF Target area.

The *Epacris* was restricted to the sparsely vegetated flood plain of the creek. Where the vegetation became more dense both upstream and downstream of the open areas and alongside and parallel to the creek's floodplain the *Epacris* was not present. Plants of the *Epacris* tended to be concentrated in locations where there were small spoil heaps resulting from previous disturbance to the lateritic crust, (Reference sites No. 24 and 30), and where an organic layer had accumulated over the top of the crust over a considerable period of time.

Grid line clearing and excavation of test pits should avoid these areas of high density.

The *Epacris* was in full flower at the time of the previous survey on the 31st October but had finished flowering and green fruits had formed at the time of this survey on the 28th November. There was one exception with a single mature plant at reference site No.37 which was still flowering well.

A summary of the microclimatic conditions under which the *Epacris* is growing involved full sun and an open position with minimal competition, and shallow highly mineralized soils which would be prone to extremes of moisture due to the underlying lateritic crust.

Samples were collected from 12 plants located across the extent of the population and forwarded to the Tasmanian Herbarium for further examination and clarification of identification. The Senior Curator of Botany at the Herbarium confirmed on the 22nd December that all the samples as being *Epacris moscaliana*. This species is listed as being rare under the Tasmanian *Threatened Species Protection Act of 1995*.

AHERNE CREEK:

Aherne Creek is located in the adjacent catchment to the south of the proposed TSF site. The creek arises from the ridge along which the Pieman Road follows and which separates the two catchments. The high tension power line easement crosses Aherne Creek and the vehicular service track was used as the access point, and the creek-line was surveyed upstream and downstream from this crossing point. The geology along Aherne Creek was the same as that observed in the TSF area with a lateritic crust overlaying the ultramafic substrate. There had also been some previous trenching activities with resultant small spoil heaps along the line of Aherne Creek.

This geology resulted in relatively open and lightly vegetated areas where the crust was most intact, and these locations are plotted on Map 2 included with this report.

The surrounding vegetation was dense western wet scrub.

Although the area presented suitable habitat, no Epacris was observed or recorded in the location.

The location may be suitable for the relocation or planting of Epacris from the TSF site should that be considered a suitable mitigation measure.

McARTHUR CREEK:

McArthur Creek is contained within an adjacent catchment to the east of the TSF site and includes a number of small tributaries in its upper catchment area. A number of open areas along these minor tributaries were evident on the Google Earth image of the location, however very dense vegetation restricted access to a single creek-line which is plotted on Map No.2. This creek was accessed from a further section of the service track for the high tension power line easement, and initially passed through *Eucalyptus nebulosa* Scrubby Woodland to reach the open area along the creek. Again the geology was similar to the previous two sites although the lateritic crust tended to be thinner and more fragmented. No plants of Epacris were observed in the locations surveyed and it is extremely unlikely that the species is present within the catchment of McArthur Creek. The open areas along the creek may however be a suitable site for relocation of plants in order to establish a further population.

The vegetation downstream of this open area became progressively more dense, particularly with Cutting Grass *Gahnia grandis* which prevented access to other open areas located on other minor creeks.



PHOTO 1: *Epacris* aff. *moscaliana* TSF Site



PHOTO 2: *Epacris* aff. *moscaliana* TSF Site

3.0 Survey Conclusions:

- *Epacris* aff. *moscaliana*/ *E.* aff. *virgata* is restricted to the flood plain of the main creek within the TSF location and its extent has been mapped and plotted.
- No plants of *Epacris* aff. *moscaliana*/ *E.* aff. *virgata* were observed in the area along Aherne Creek although the geology was the same as the TSF site and suitable habitat was present. It is extremely unlikely that the *Epacris* is present elsewhere within the Aherne Creek catchment.
- No plants of *Epacris* aff. *moscaliana*/ *E.* aff. *virgata* were observed in the areas surveyed along the minor tributary of McArthur Creek although the geology and habitat was similar to the TSF site. It's absence from the area surveyed indicates that it is extremely unlikely that the *Epacris* is present in other locations within the catchment of McArthur Creek.
- Further clarification of the taxonomic status of the *Epacris* which occurs within the TSF Target area should be undertaken, and samples collected during this field survey will be forwarded to the Tasmanian Herbarium for study, although it should be noted that only one of the collected samples still had flowers, and the balance possessed green fruits. Therefore further samples may need to be collected for the purpose during the 2012 flowering season.
- The Tasmanian Herbarium confirmed on the 22nd December that all 12 *Epacris* samples have been identified as *Epacris moscaliana*.

4.0 Discussion:

The preferred option for the conservation of a threatened species is the retention of the original habitat in which the species naturally occurs.

If an alternative site for the TSF cannot be found then other options for the conservation of the Epacris will need to be considered.

This may include the establishment of new populations in other suitable habitat such as the locations surveyed on Aherne Creek and possibly the tributary of McArthur Creek. It is most unlikely that mature plants would translocate successfully from the TSF site to a new location although a number of juvenile plants were observed during the survey and these may re-establish successfully following transplanting. It may also be possible to collect seed from the mature plants in the TSF area and direct sow into the alternative sites discussed. There is no guarantee of success with seeding into a new area however as many plant species including Epacris rely on soil mycorrhizal associations in order to grow and establish. Epacris seed also has a reputation for being very difficult to germinate and establish in a nursery situation.

Specialist nurseries usually propagate other species of Epacris from tip cuttings and this would be the preferred method of propagating and growing new plants of the Epacris for the purpose of establishing new populations in the locations described above. The key for successful propagation would be the collection of suitable cutting material at the optimum time of year, usually with the flush of growth which follows the flowering season in late spring.

Should such a program be contemplated it would require considerable planning and a number of seasons before a new self-sustaining population of the Epacris could be achieved.

It should be noted that the translocation of plant species is not considered to be an appropriate off-set and will not be considered in negotiations involving the use of an off-set as a mitigation measure, however such actions may be included within "permit to take" conditions.

Philip Milner

Vegetation Consultant



PHOTO 3: *Epacris aff. moscaliana* floodplain habitat within TSF Target area.



PHOTO 4: Floodplain within TSF area showing excavated trench and spoil heaps.



PHOTO 5: Floodplain habitat and vegetation within TSF Target area.
NOTE: Location of threatened species *Epacris aff. moscaliana*.



PHOTO 6: Overview of TSF site in valley taken from ridge above the Pieman Road.
NOTE: Open creek area in centre of photo as detailed in photos No.3 & 5..



PHOTO 7: Geology and vegetation along Aherne Creek .



PHOTO 8: Geology and vegetation along the minor tributary of McArthur Creek.

WILSON RIVER TARGET AREA EL45/2010
PROPOSED TSF SITE: GRID LINES & TEST PIT LOCATIONS
BOTANICAL AND FAUNA HABITAT SURVEY
FOR VENTURE MINERALS LTD
10th November 2011



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APPENDIX 1

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1.0 INTRODUCTION:

1.1 Background:

Venture Minerals Ltd is proposing to undertake the excavation of test pits in a grid across the site proposed for the tailings storage facility associated with the Mt Lindsay Project. The area at this stage is located within the exploration licence area which adjoins the Mt Lindsay Prospect, EL45/2010. A botanical and fauna habitat survey is required as part of the MRT license conditions in order to determine possible impacts on threatened species or threatened vegetation communities by the clearing of the grid lines and the excavation of the test pits within the target area.

1.2 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 target area or in the vicinity.
- Undertake a field survey of the target area 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 potential habitat of threatened species.
- Determine the possible impacts of the proposed program of test pit excavations and clearing of grid lines on the natural values present and make recommendations on how those impacts can be minimised.

1.3 Location of Study Area:

EL45/2010 is located about 28 kilometres west of Tullah off the Pieman Road in western Tasmania. The site of the proposed tailings storage facility is within the area bounded by the Pieman Road, the Wilson River and the access track to the Wilson River, and by Limestone Creek.



MAP 1: Location of Study Area

1.4 Site Description:

Geographically the TSF target area is located at the north-western end of Serpentine Ridge but is separated from the main ridgeline by the Pieman Road.

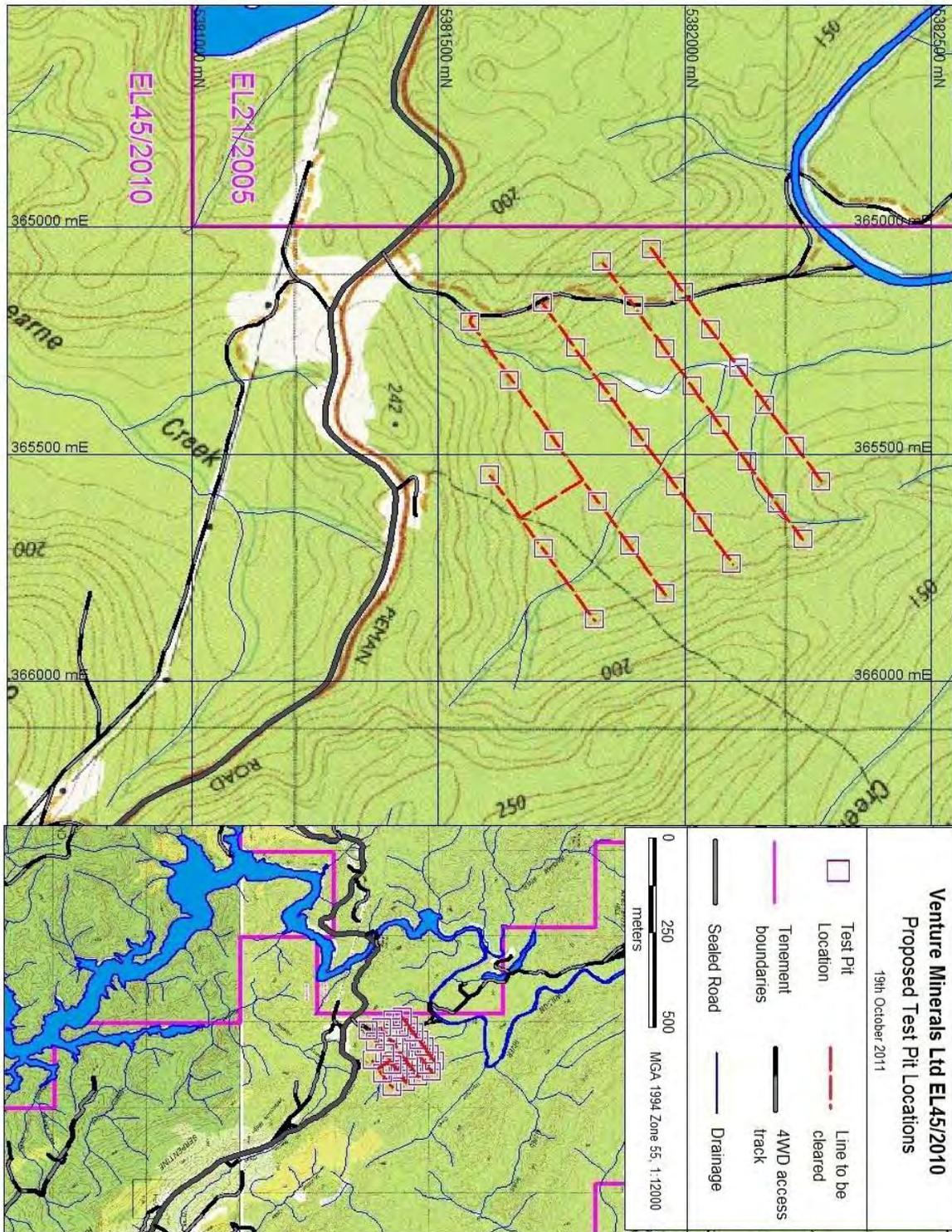
The study area is within a small enclosed catchment surrounded by hills and composed of one main creek and two small tributaries which flow into the Wilson River. The Wilson River is located to the immediate north of the TSF target area. Limestone Creek is located on the eastern side of the wider study area and within its own catchment which is located outside of the TSF target area.

The Pieman Road follows the ridge above and to the south of the TSF target area and the valley, and forms the southern boundary of the study area.

The five proposed parallel grid lines extend across the full width of the valley floor in an approximate north-easterly direction from the existing vehicular track which provides access to the Wilson River. The north-eastern ends and the south-western ends of each grid line extend into the lower slopes of the surrounding hills and above the valley floor.

31 test pits are proposed for excavating along the lengths of the grids. The grid lines and proposed test pit locations are detailed on the following map, Map No.2.

- Note that the map requires rotation for correct north orientation.



MAP 2: Proposed Site of TSF, grid lines and test pit excavation locations within EL45/2010

2.0 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, weeds known to be present in the locality, and the status of any reserved land in the area.

2.1 Desktop Survey Results:

VEGETATION COMMUNITIES:

The following vegetation communities area mapped under TasVeg mapping program as occurring within 1,000 metres of the study area reference point. GRID REF: 365500E – 5382000N.

| VEGETATION COMMUNITY | TasVeg Code / Map Colour | Extent in Study Area |
|---|---|---|
| <i>Nothofagus – Phyllocladus</i> Rainforest | RMS / RMU / Dark blue | Not differentiated from RMU on the map. Outside of the actual target area |
| <i>Lagarostrobos franklinii</i> Rainforest & Scrub | RHP / Dark blue with diagonal lines | Along the Wilson River only and outside of the target area |
| <i>Eucalyptus obliqua</i> Wet Forest (undifferentiated) | WOU / Light blue | NE & SW and outside of the target area |
| <i>Eucalyptus nitida</i> Wet Forest (undifferentiated) | WNU / Bright blue with vertical lines | At the eastern periphery of the study area |
| <i>Eucalyptus nitida</i> Dry Forest & Woodland | DNI / Bright green with zig zag lines | Mainly north of and adjacent to the Wilson River. |
| <i>Leptospermum</i> Scrub | SLW / Pink with horizontal yellow lines | To the east along Limestone Creek and south of the Pieman Road |
| Western Wet Scrub | SWW / Pink with yellow “x” | The predominant community across the target area. |
| Extra-urban miscellaneous (quarries etc) | FUM / Yellow- green with “z” | One area south of the Pieman Road. |

TABLE 1: Vegetation Communities as per TasVeg within 1,000 metres of the TSF target Area Reference Point. GRID REF: 365500E – 5382000N

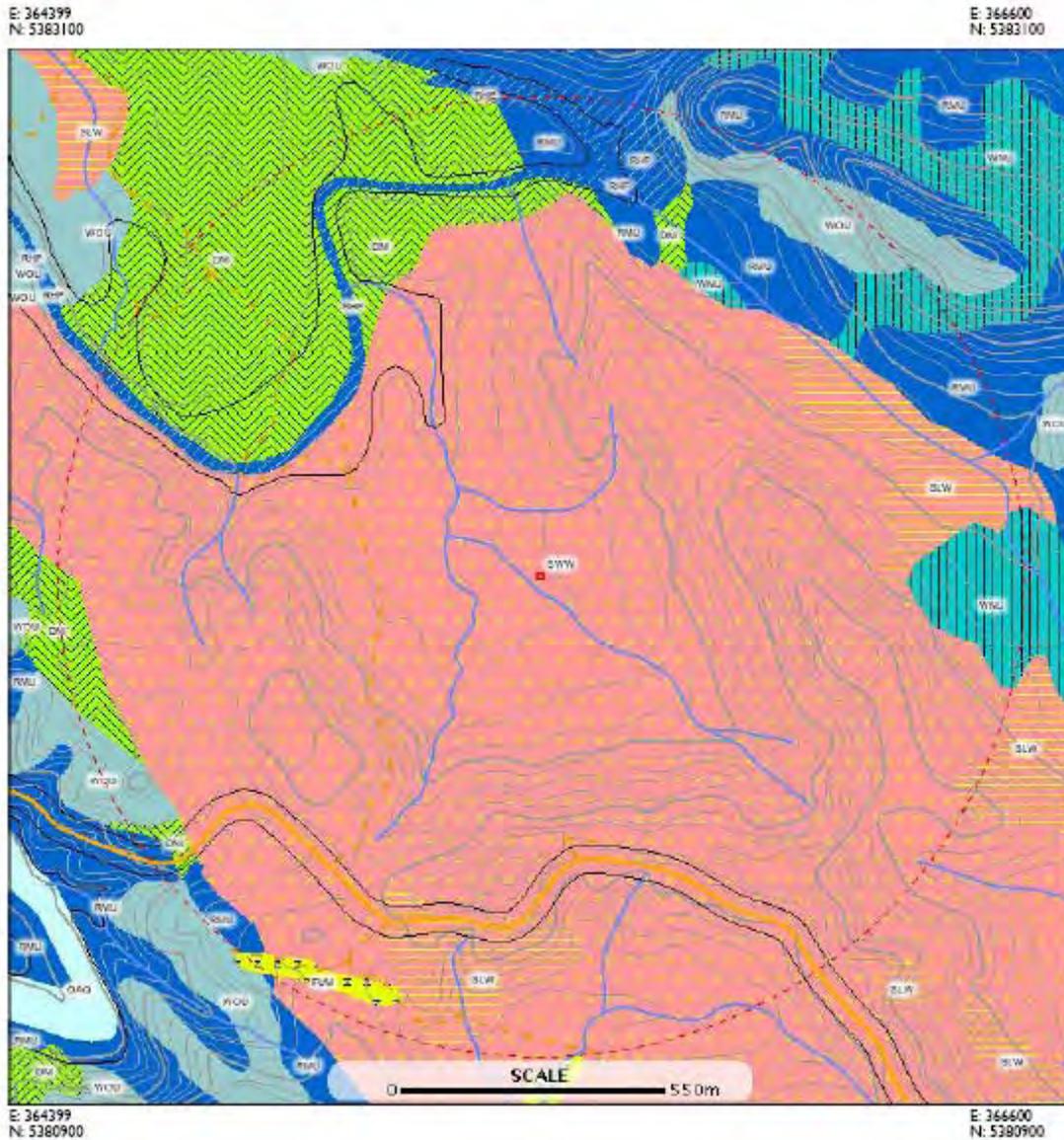


FIGURE 1: Vegetation communities as per TasVeg mapping program within 1,000 metres of the study area reference point. GRID REF: 365500E – 5382000N.

- CODE RMS / RMU *Nothofagus- Phyllocladus* Short Rainforest
- RHP *Lagarostrobos franklinii* Rainforest & Scrub
- WOU *Eucalyptus obliqua* Wet Forest (undifferentiated)
- WNU *Eucalyptus nitida* Wet Forest (undifferentiated)
- DNI *Eucalyptus nitida* Dry Forest & Woodland
- SWW Western Wet Scrub
- SLW *Leptospermum* Scrub
- FUM Extra-urban miscellaneous

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 (RMS) is well reserved in western Tasmania but is considered to be under-reserved in its old-growth condition in some bioregions.
- *Lagarostrobos franklinii* Rainforest & Scrub (RHP). Although not listed as a threatened community under the above Act, Huon Pine Rainforest it is of high conservation value because it has a limited distribution, mainly within the riparian zone of rivers in the west and south-west of the state. The community has been subject to extensive logging since the days of early white settlement and more recently large areas of the community have been inundated by hydro-electric impoundments. Remaining old-growth stands of the community are restricted to inaccessible areas of the west and south-west.
- *Eucalyptus nitida* Wet Forest (WNU) is a widespread community in western Tasmania and is well reserved, 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 (WOU) 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.
- *Eucalyptus nitida* Dry Forest (DNI) is a widespread community in western Tasmania and is well reserved although in its old-growth condition it is considered to be under-reserved in some bioregions.
- Western Wet Scrub (SWW) is widespread in western Tasmania.

THREATENED FLORA:

One species of plant which is listed as being rare under the Tasmanian *Threatened Species Protection Act 1995* is recorded on the “Natural Values Atlas” database as occurring in the location.

- *Micrantheum serpentinum* the Western Trident Bush is a serpentine endemic which occurs only on the ultramafic geology of this area of the west coast. There are 8 recorded locations for the species on the database, all from along the access track between the Pieman Road and the banks of the Wilson River.



PHOTO 1: *Micrantheum serpentinum*



PHOTO 2: *Micrantheum serpentinum*

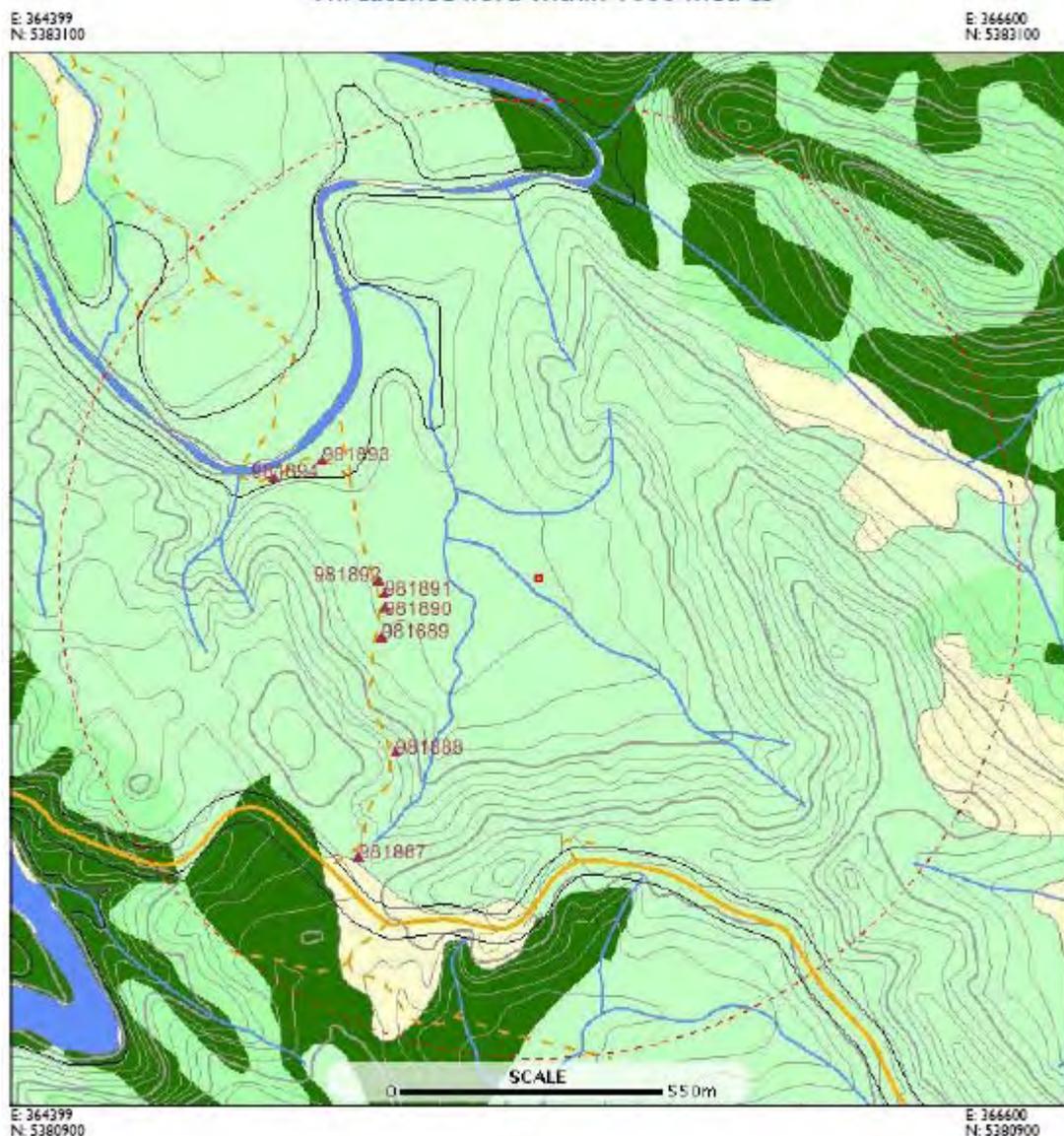


FIGURE 2: Recorded locations for *Micranthemum serpentinum* within 1,000 m of study area reference point.

THREATENED FAUNA:

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

One species of threatened fauna was recorded on the data base as occurring within 1,000 metres of the study area reference point.

- *Sarcophilus harrisii* the Tasmania Devil has one record dated from about 1996 and was a sighting from along the Pieman Road. There is a second sighting record also from along the Pieman Road from the same time within 2,000 metres and a further 2 from 3,000 metres. There are also numerous scat records from the Mt Lindsay area and within 5,000 metres of this site. The species is now listed as being endangered under both State and Commonwealth Acts.

There was one further threatened species of fauna recorded on the database from within 3,000 metres of the study area reference point.

- The Wedge-tailed Eagle, *Aquila audax* subsp *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. One nest tree record from the 1980's is located 3,000 metres north of the study area and about 1,000 metres north-east of Websterite Hill. There is also a sighting record from the same locality dated 1996. A second nest tree is recorded within 5,000 metres of the study area.

Two further species of threatened fauna are recorded from within 5,000 metres of the study area.

- The Swift Parrot *Lathamus discolor* with 2 records from 1988 and one from 1994. This bird is listed as being endangered under both State and Commonwealth Acts.
- The Bowry Creek Hydrobiid Snail *Beddomeia bowryensis* with one 1989 record. The species is listed as being rare under the State Act.

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.

ENVIRONMENTAL WEEDS:

One species of environmental weed is recorded on the database as occurring within 1,000 metres of the study area reference point.

- *Erica lusitanica* the Spanish Heath is recorded along the verge of the Pieman Road where it passes through the study area. There are 3 recorded locations on the database within the study area, all along the verge of the Pieman Road. Spanish Heath is a serious environmental weed which has the potential to invade natural vegetation and bushland.

RESERVE ESTATE:

All of the target area located between the Pieman Road and the Wilson River is included within the Meridith Range Regional Reserve.

3.0 Field Survey:

3.1 Methodology:

The field survey was undertaken on foot and focused on the existing access tracks and mapped grid lines as detailed on Map No.2 included with this report.

The vehicular access track from the Pieman Road to the Wilson River was utilized as a survey transect for part of the survey and a second transect followed the northern most grid line from the vehicular track in a north-easterly direction to cross the main creek and a secondary creek-line.

A third transect followed the approximate line of a foot track marked on the map which extends from the Pieman Road in a north-easterly direction in order to survey the southern-most grid line. Dense vegetation precluded access to all of the grid lines within the TSF target area.

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

The survey was conducted Monday 31st October 2011.

3.2 Limitations:

This survey was conducted in spring 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 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.

The density of the vegetation in the location also precluded full access to the whole target area.

However all significant species known to occur in the study areas and their environs have been considered in this report.

3.3 Field Survey Results:

Three transects within the TSF target area were utilized in order to survey and sample the vegetation of the locality.

The vehicular access track which extends for about 1.5 km from the Pieman Road to the Wilson River traverses the mid to lower slopes of the hills on the south-western side of the valley for a distance of about one kilometre to the northern most grid line. The last 500 metres of the track passes through valley floor vegetation to the river itself which is outside of the target area. The vegetation along the vehicular track provided an ideal traverse and cross-section of the vegetation growing on the ultramafic hill slopes of the location.

The northern-most grid line was utilized as the transect to survey and sample the vegetation typical of the valley floor and of the vegetation along the creek-lines within the target area.

The third transect surveyed the vegetation of the upper and mid slopes located at the head of the valley and the southern portion of the target area.

VEGETATION COMMUNITIES:

Two distinct vegetation communities were observed in the TSF target area.

- *Eucalyptus nebulosa* Dry (Open) Forest and Woodland
- Western Wet Scrub (SWW)

The vegetation which occurs on the ultramafic geology and serpentine along Serpentine Ridge and on the hill slopes within the TSF target area is described under TasVeg as Western Wet Scrub, however it is

not typical of that vegetation type and is considered to be more of a low shrubby woodland with trees almost mallee-like in stature along the ridgelines but grading into an open low shrubby forest vegetation across the slopes. The Eucalypt which occurs in the locality and only on the ultramafics was considered to be a form of *Eucalyptus nitida* but is now considered to be distinct and to warrant specific status. This Eucalypt has now been described and named as *Eucalyptus nebulosa*. Therefore the vegetation community which occurs on the ultramafic geology across the hill slopes of the location should be described as ***Eucalyptus nebulosa* Dry (Open) Forest and Woodland**. This community name however has no formal status at this time.

The vegetation across the valley floor where drainage is more impeded is more typical of **Western Wet Scrub** vegetation although it graded into *Leptospermum* Scrub in some locations where drainage is most impeded. The vegetation structure and species composition along the main creek was also distinct from the wet scrub vegetation of the valley floor being much more open and with more low shrubs. The substrate was exposed along the main creek giving the appearance of a gravelly bed and may be the result of previous alluvial mine workings. A white flowered heath was observed and collected from this creek-side vegetation and forwarded to the Tasmanian Herbarium for identification. The result was not conclusive but has been identified as being closest to a species called *Epacris moscaliana* which has not been recorded in western Tasmania previously. *E. moscaliana* is a listed threatened species with the nearest known location being from the Mersey River and Gog Range to the east of Sheffield. This plant is further discussed under threatened flora.

THREATENED VEGETATION COMMUNITIES:

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

VEGETATION COMMUNITY OF CONSERVATION SIGNIFICANCE:

- As *Eucalyptus nebulosa* Dry (Open) Forest and Woodland only occurs on the west coast ultramafics it should be considered to have some conservation significance. The community however has no formal status at this time.

THREATENED FLORA:

Three species of plant which are listed under the Tasmanian *Threatened Species Protection Act 1995* and/or the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* were observed during the survey of the TSF target area.

- *Micrantheum serpentinum* the Western Tridentbush was prevalent but restricted to the better drained slopes and above the valley floor. No plants of the species were observed on the valley floor where the vegetation was taller and particularly dense, and where drainage conditions were more impeded. The species has been previously mapped, mainly alongside the existing vehicular track.

REF: Figure 3. of this report. Some further mapping of locations for this species was undertaken during this field survey and is detailed below.

| Location No. | EASTING | NORTHING |
|--------------|---------|----------|
| 1. | 365217 | 5382085 |
| 2. | 364949 | 5382209 |
| 3. | 365071 | 5382242 |
| 4. | 365169 | 5382000 |
| 5. | 365182 | 5381935 |
| 6. | 365117 | 5381882 |
| 7. | 365165 | 5381827 |
| 8. | 365152 | 5381747 |
| 9. | 365197 | 5381678 |
| 10. | 365206 | 5381628 |
| 11. | 365207 | 5381573 |
| 12. | 365103 | 5381414 |
| 13. | 365592 | 5381416 |
| 14. | 365569 | 5381491 |
| 15. | 365588 | 5381587 |
| 16. | 365595 | 5381547 |

TABLE 2: Further plotted locations of *Micrantheum serpentinum* in TSF target area.

- Key locations for *Micrantheum serpentinum* within the TSF target area will be the sections of grid lines and the two test pits located at the western end of each proposed grid line and the test pits located at the eastern end of each grid line, as well as along the existing vehicular track should it require upgrading or widening.

Two further species of plants which were observed during the site survey are potentially species listed under the Tasmania Act, and one is also potentially listed under the Commonwealth *EPBC Act*. Both are species of *Epacris* and samples collected and forwarded to the Tasmanian Herbarium were provisionally identified as the following species.

- *Epacris* aff. *virgata* Pretty Heath. The species *Epacris virgata* is listed as being vulnerable under the Tasmanian Act and endangered under the Commonwealth Act. The species is endemic to Tasmania and occurs in two disjunct but geographically distinct locations in the north of the state near Beaconsfield where it grows on serpentinite and in the south of the state near Kettering where it grows on dolerite.

A single plant was observed during the survey alongside the existing vehicular track to the Wilson River in the vicinity of where the second grid line from the north crosses the track. The Tasmanian Herbarium have examined the sample collected and determined that it is closest to *Epacris virgata* even though it is well outside the known range of distribution for the species. Therefore for the purpose of this survey and report the plant is considered to be a threatened species and will be referred to as *Epacris* aff. *virgata*.

A further search for this species will be needed to locate more plants and to plot its occurrence in the locality and to collect samples in order to further determine its taxonomic status by the Tasmanian Herbarium.

There may be future implications for the development of the TSF from this plant record.

- Epacris* aff. *moscaliana* Seepage Heath. Numerous plants of another white flowered heath were observed adjacent to the main creek-line and along the second transect surveyed. The heath was mainly observed on an open gravelly bed which extended along both sides of the creek. It is possible that this gravelly bed is a result of previous alluvial mine workings.

Epacris moscaliana is a recently described species which is listed as being rare under the Tasmanian Act. It is mainly a riparian species with its main natural distribution within the Eastern Tiers near Fingal, but it also occurs on the Mersey River in the Gog Range to the east of Sheffield and that is the nearest known location of the species to this study area.

Botanists at the Tasmanian Herbarium have examined collected samples and determined that this species is closest to *Epacris moscaliana* even though it also is outside of the known range for the species.

Therefore for the purpose of this survey and report this plant is considered to be a threatened species and will be referred to as *Epacris* aff. *moscaliana*.

Further mapping of this species will be necessary in order to determine its extent in the locality and to further determine its taxonomic status by the Tasmanian Herbarium.

There may be future implications for the development of the TSF from this plant record.

| Location No. | Easting | Northing |
|--------------|---------|----------|
| 1. | 365312 | 5382084 |
| | | |

TABLE 3: Plotted location for *Epacris* aff. *moscaliana*



PHOTO 3: *Epacris* aff. *moscaliana*



PHOTO 4: *Epacris* aff. *moscaliana*

NON-THREATENED FLORA OF CONSERVATION SIGNIFICANCE:

- *Eucalyptus nebulosa* is considered to be of conservation significance and the species occurs on the slopes above the valley floor and on the ultramafic geology within the TSF target area area.

THREATENED FAUNA:

One species of threatened fauna was observed during the survey.

- Wedgetailed Eagle *Aquila audax* subsp. *fleayii*. One bird was observed in flight and at a height above the study area.
- No evidence of the presence of Tasmanian Devils *Sarcophilus harrisii* such as scats was observed during the field survey.

THREATENED FAUNA HABITAT:

No potential habitat for threatened species of fauna known to occur within 5,000 metres of the study area or species which could occur based on their geographical range and habitat requirements was observed during the field survey.

No old-growth trees or trees with significant hollows which may form suitable habitat for Wedge-tailed Eagles, Masked Owls or Swift Parrots were observed during the survey. No large trees with basal hollows with potential as den sites for Tasmanian Devils or Spotted-tailed Quolls were observed during the survey. The White Goshawk prefers mature wet forests and Blackwood forests and the White-bellied Sea-eagle prefers open water such as on the nearby Lake Pieman hydro electric impoundment. The nearest suitable habitat for species such as the Azure Kingfisher and the Grayling was the Wilson River to the immediate north of the target area.

ENVIRONMENTAL WEEDS:

No environmental weeds were observed within the TSF target area however the Spanish Heath *Erica lusitanica* is known to be present along the Pieman Road where it passes through the study area. The weed is often spread by road verge maintenance activities such as slashing and grading.

PHYTOPHTHORA:

There was no symptomatic evidence of the presence of *Phytophthora cinnamomi* within or adjacent to the TSF target area.

The presence of the pathogen is suspected along the verge of the Pieman Road about 4 kilometres to the east of this location where unhealthy and some dead plants of *Banksia marginata* were observed.

Banksia marginata is known to be susceptible to the fungal disease and it is quite possible that these symptoms are indicative of an infection of *Phytophthora cinnamomi* causing the decline and poor health of the plants in this location.

4.0 Survey Conclusions:

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

One vegetation community considered to be of conservation significance was observed during the survey. *Eucalyptus nebulosa* Dry (Open) Forest and Woodland was present on the hill slopes above the valley floor.

Three species of flora which are listed under the Tasmanian *Threatened Species Conservation Act 1995* were observed during the field survey. One of those species is also listed under the Commonwealth *EPBC Act 1999*. *Micratheum serpentinum*, *Epacris* aff. *virgata* and *Epacris* aff. *moscaliana*.

One species of threatened fauna was observed during the survey, the Wedge-tailed Eagle. No potential habitat for species of threatened fauna known to or could possibly occur in the locality was observed during the survey.

No environmental weeds were observed in the survey area although one species *Erica lusitanica* is known to be present along the verge of the Pieman Road.

No symptomatic evidence of the presence of Phytophthora was observed within the survey areas, however there is evidence of possible infection in *Banksia marginata* along the verge of the Pieman Road about 4 kilometres to the east.

6.0 Recommendations:

VEGETATION COMMUNITIES:

The grid line clearing and test pit excavations as proposed will have some impact on the vegetation communities observed in the target area. Access will be from the existing vehicular track which will require the clearing of fallen trees and possibly widening or upgrading in some sections.

- Limit the widening of the existing vehicular track to minimise impact on the adjacent understorey vegetation.
- Minimise clearing widths of proposed grid lines to limit impacts on the vegetation.
- Minimise impacts to all vegetation adjacent to creek-lines and at creek crossings.

THREATENED VEGETATION COMMUNITIES:

No threatened vegetation community was observed during the field survey and no specific action is required in addition to those detailed under Vegetation Communities.

VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE:

The proposed grid lines will extend into the *Eucalyptus nebulosa* Dry (Open) Forest and Woodland community at both the north-eastern and south-eastern ends on the lower hill slopes.

- Compliance with the recommendations under Vegetation Communities should limit impacts on this vegetation community.

THREATENED FLORA:

The clearing of grid lines, the excavation of at least some of the test pits and the clearing and possible upgrading of the existing vehicular track has the potential to impact on each of the three threatened species of plants recorded in the study and target area.

- An application for a "Permit to Take" from the Conservation Branch of DPIWE is recommended in order to cover any incidental impact on each of the three species referred to in this report.
- The clearing of grid lines in the vicinity of and where they cross the main creek should endeavour to avoid plants of *Epacris* aff. *moscaliana*.
- The clearing of grid lines in the vicinity of and where they cross the existing vehicular track should endeavour to avoid plants of *Micrantheum serpentinum* and *Epacris* aff. *virgata*.
- The upgrading and widening of the existing vehicular track should be limited in order to minimise impacts on both *Micrantheum serpentinum* and *Epacris* aff. *virgata*.
- Ensure that staff working in the field are able to recognize *Micrantheum serpentinum* both when it is flowering and out of its flowering season. Field staff should also be able to distinguish

Micrantheum serpentinum from other species with similar foliage which also occur in the locality such as *Westringia rubiaefolia* and *Bauera rubioides*.

- Ensure that staff working in the field are able to recognize the two species of white flowered heaths, *Epacris* aff. *virgata* and *Epacris* aff. *moscaliana* and be familiar with the locality and habitat in which the latter occurs. Staff should also be able to recognize each species when not flowering.

FLORA OF CONSERVATION SIGNIFICANCE:

The proposed work program will not impact any non-threatened flora of conservation significance observed in this survey and no further action in addition to those detailed under Vegetation Communities is required.

THREATENED FAUNA:

One species of threatened fauna was observed over-head during the survey, the Wedge-tailed Eagle, however no specific action is required.

THREATENED FAUNA HABITAT:

No potential habitat for species of threatened fauna was observed during this survey and no specific action is required.

ENVIRONMENTAL WEEDS:

Spanish Heath *Erica lusitanica* is known to be present along the verge of the Pieman Road within the EL although it was not observed within the study area or target area. The proposed work program will not encourage the spread of this weed into study area, however its extent should be monitored as part of the overall EL maintenance program.

- Monitor the extent of the weed *Erica lusitanica* along the Pieman Road through the EL on at least an annual basis as part of the EL maintenance program.
- Ensure that all field staff are able to recognize this weed both when it is in flower and at other times.

PHYTOPHTHORA:

A suspected infection of the pathogen is present within a population of *Banksia marginata* along the verge of the Pieman Road about 4 km to the east where it passes through the EL area. Both white flowered species of threatened *Epacris* recorded from the study area would be susceptible to the disease.

- Follow accepted protocols in regard to hygiene and washdown procedures for machinery and equipment to ensure that the pathogen is not inadvertently introduced into the work areas, by way of extraneous soil, mud or gravel adhered to tyres, workboots etc from the suspected infected areas along the adjacent verge area of the Pieman Road.
- Treatment stations are recommended at the entry point from the Pieman Road.

Philip Milner

Vegetation Consultant

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APPENDIX 1: Vegetation Communities and Species Recorded

1. *Eucalyptus nebulosa* Dry (Open) Forest & Woodland

This community is restricted to the ultramafic geology of the west coast and is widespread within the area of Serpentine Ridge and is considered to have conservation significance. The threatened species *Micrantheum serpentinum* and *Epacris* aff. *virgata* (in bold text) were observed and recorded in this vegetation community. There is no TasVeg Code for this vegetation community.

| DOMINANT TREES | COMMON NAME | FREQUENCY/ TRANSECT | |
|---|-----------------------------|---------------------|------------|
| <i>Eucalyptus nebulosa</i> | Serpentine Peppermint | common | 1,3 |
| TALL SHRUBS | | | |
| <i>Acacia mucronata</i> | Caterpillar Wattle | occasional | 1 |
| <i>Banksia marginata</i> | Silver Banksia | common | 1,3 |
| <i>Leptospermum lanigerum</i> | Woolly Teatree | uncommon | 1 |
| <i>Nematolepis squamea</i> | Satinwood | occasional | 1 |
| <i>Notelaea ligustrina</i> | Native olive | uncommon | 1 |
| MEDIUM SHRUBS | | | |
| <i>Allocasuarina zephraea</i> | Western Sheoak | occasional | 1 |
| <i>Bauera rubioides</i> | Wiry Bauera | common | 1,3 |
| <i>Hakea epiglottis</i> | Beaked Needlebush | common | 1 |
| <i>Leptospermum scoparium</i> | Manuka | occasional | 1,3 |
| <i>Lomatia polymorpha</i> | Mountain Guitarplant | occasional | 1 |
| <i>Lomatia tinctoria</i> | Guitarplant | occasional | 1 |
| <i>Pomaderris elliptica</i> | Yellow Dogwood | occasional | 1,3 |
| <i>Pultenaea juniperina</i> | Prickly Beauty | occasional | 1,3 |
| <i>Spyridium gunnii</i> | Forest Dustymiller | occasional | 1 |
| SMALL SHRUBS | | | |
| <i>Epacris impressa</i> | Common Heath | occasional | 1 |
| <i>Epacris</i> aff. <i>virgata</i> | Pretty Heath | rare | 1 |
| <i>Leptecophylla juniperina</i> | Pinkberry | occasional | 1 |
| <i>Micrantheum serpentinum</i> | Western Trident Bush | occasional | 1,3 |
| <i>Pimelea linifolia</i> | Slender Riceflower | occasional | 1 |
| <i>Sprengelia incarnata</i> | Pink Swampheath | uncommon | 1 |
| <i>Westringia rubiaefolia</i> | Sticky Westringia | occasional | 1 |
| CLIMBING PLANTS | | | |
| <i>Cassytha pubescens</i> | Downy Dodder-laurel | uncommon | 1 |
| <i>Comesperma volubile</i> | Blue-love Creeper | occasional | 1 |
| HERBS & HERB-LIKE PLANTS | | | |
| <i>Viola hederaceae</i> | Ivy-leafed Violet | occasional | 1 |

APPENDIX 1 (cont)

Eucalyptus nebulosa Dry (Open) Forest & Woodland (Cont)

ORCHIDS

| | | | |
|-------------------------------|------------------------|-----------|---|
| <i>Acianthus pusilla</i> | Small Mosquito-orchid | localised | 1 |
| <i>Pterostylis melagramma</i> | Black-tongue Greenhood | localised | 1 |

GRASSES & GRAMINOIDS

| | | | |
|-----------------------------------|----------------------|-------------|-----|
| <i>Gahnia grandis</i> | Cutting Grass | common | 1,3 |
| <i>Lepidosperma longitudinale</i> | Spreading Swordsedge | very common | 1,3 |

FERNS & ALLIED PLANTS

| | | | |
|-------------------------------|----------------------|------------|-----|
| <i>Gleichenia microphylla</i> | Scrambling Coralfern | localised | 1 |
| <i>Pteridium esculentum</i> | Bracken | occasional | 1,3 |

2. Western Wet Scrub)TasVeg Code SWW)

This community was present across the valley floor of the target area, along the creek-lines and where drainage was impeded. The community graded into *Eucalyptus nebulosa* Forest and Woodland on the surrounding slopes which have improved drainage conditions. The threatened species *Epacris* aff. *moscaliana* was observed along the main creek-line which extends through the valley. The community Western Wet Scrub however is widespread in western Tasmania.

| EMERGENT TREES | COMMON NAME | FREQUENCY/TRANSECT | |
|---------------------------------------|---------------------|--------------------|----------|
| <i>Eucalyptus nitida</i> | Western Peppermint | common | 2 |
| TALL SHRUB CANOPY | | | |
| <i>Acacia mucronata</i> | Caterpillar Wattle | common | 2 |
| <i>Banksia marginata</i> | Silver Banksia | common | 2 |
| <i>Hakea epiglottis</i> | Beaked Needlebush | occasional | 2 |
| <i>Leptospermum lanigerum</i> | Woolly Teatree | common | 2 |
| MEDIUM SHRUBS | | | |
| <i>Baekia leptocaulis</i> | Slender Heathmyrtle | localised | 2 |
| <i>Bauera rubioides</i> | Wiry Bauera | common | 2 |
| <i>Leptospermum scoparium</i> | Manuka | common | 2 |
| <i>Melaleuca squamea</i> | Swamp Honeymyrtle | localised | 2 |
| <i>Telopea truncata</i> | Waratah | localised | 2 |
| SMALL SHRUBS | | | |
| <i>Epacris</i> aff. <i>moscaliana</i> | Swamp Heath | localised | 2 |
| <i>Euphrasia</i> sp. | | uncommon | 2 |
| <i>Pultenaea juniperina</i> | Prickly Beauty | occasional | 2 |
| <i>Sprengelia incarnata</i> | Pink Swampheath | occasional | 2 |
| GRASSES & GRAMINOIDS | | | |
| <i>Calorophus elongatus</i> | Black Roperush | occasional | 2 |

APPENDIX 1 (cont)

Western Wet Scrub (cont)

| | | | |
|----------------------------------|----------------------|-------------|---|
| <i>Gahnia grandis</i> | Cutting Grass | common | 2 |
| <i>Lepidosperma longitudinal</i> | Spreading Swordsedge | very common | 2 |

FERNS & ALLIED PLANTS

| | | | |
|-------------------------------|----------------------|------------|---|
| <i>Gleichenia microphylla</i> | Scrambling Coralfern | occasional | 2 |
|-------------------------------|----------------------|------------|---|



PHOTO 5: *Eucalyptus nebulosa* Woodland on mid slopes to the south of the valley floor.



PHOTO 6: *Eucalyptus nebulosa* Open Forest on the slopes above the valley floor.



PHOTO 7: Western Wet Scrub along access track towards the Wilson River



PHOTO 8: Western Wet Scrub along access track to the Wilson River.



PHOTO 9: Creek-side vegetation and possible previous alluvial workings.
NOTE: Location of threatened species *Epacris* aff. *moscaliana*.



PHOTO 10: Overview of TSF site in valley taken from ridge above the Pieman Road.
NOTE: Open creek area in centre of photo as detailed in photo No.9.

25/25

EXPLORATION PROGRAM EL45/2010
PROPOSED DRILL SITES NEAR WILSON RIVER
BOTANICAL AND FAUNA HABITAT SURVEY
For VENTURE MINERALS
25th March 2012



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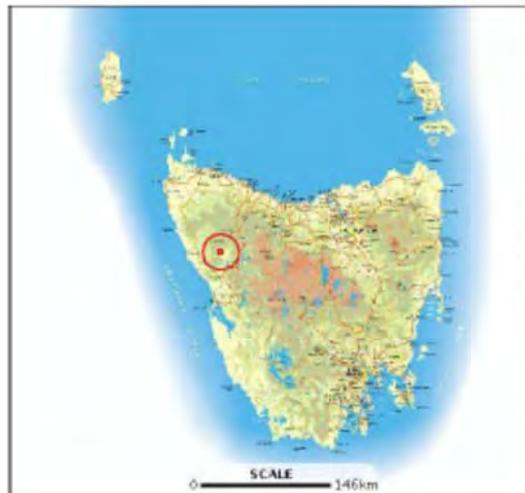
1.0 Introduction:

1.1 Background Venture Minerals Ltd is planning an exploratory drilling program near the middle reaches of the Wilson River which will involve the clearing of five drill pads to enable helicopter access. A botanical and fauna habitat survey is required of each drill pad site as part of the MRT licence conditions in order to determine any likely impacts on threatened species, threatened vegetation communities or potential fauna habitat.

1.2 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 and in the vicinity, and in particular records of threatened species and vegetation communities.
- Undertake a field survey of the proposed drill pad sites and surrounds 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, and of potential habitat for threatened species of 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.

1.3 Location of Study Areas:



MAP REF: Tasmap 1:25,000 Parsons, 3638

BIOREGION: West

The target area is located adjacent to the Little Wilson River and to the immediate west of the middle reaches of the Wilson River.

- Proposed drill site locations.

BW1: GRID REF: 364630E – 5387660N

BW2: GRID REF: 364515E – 5387435N

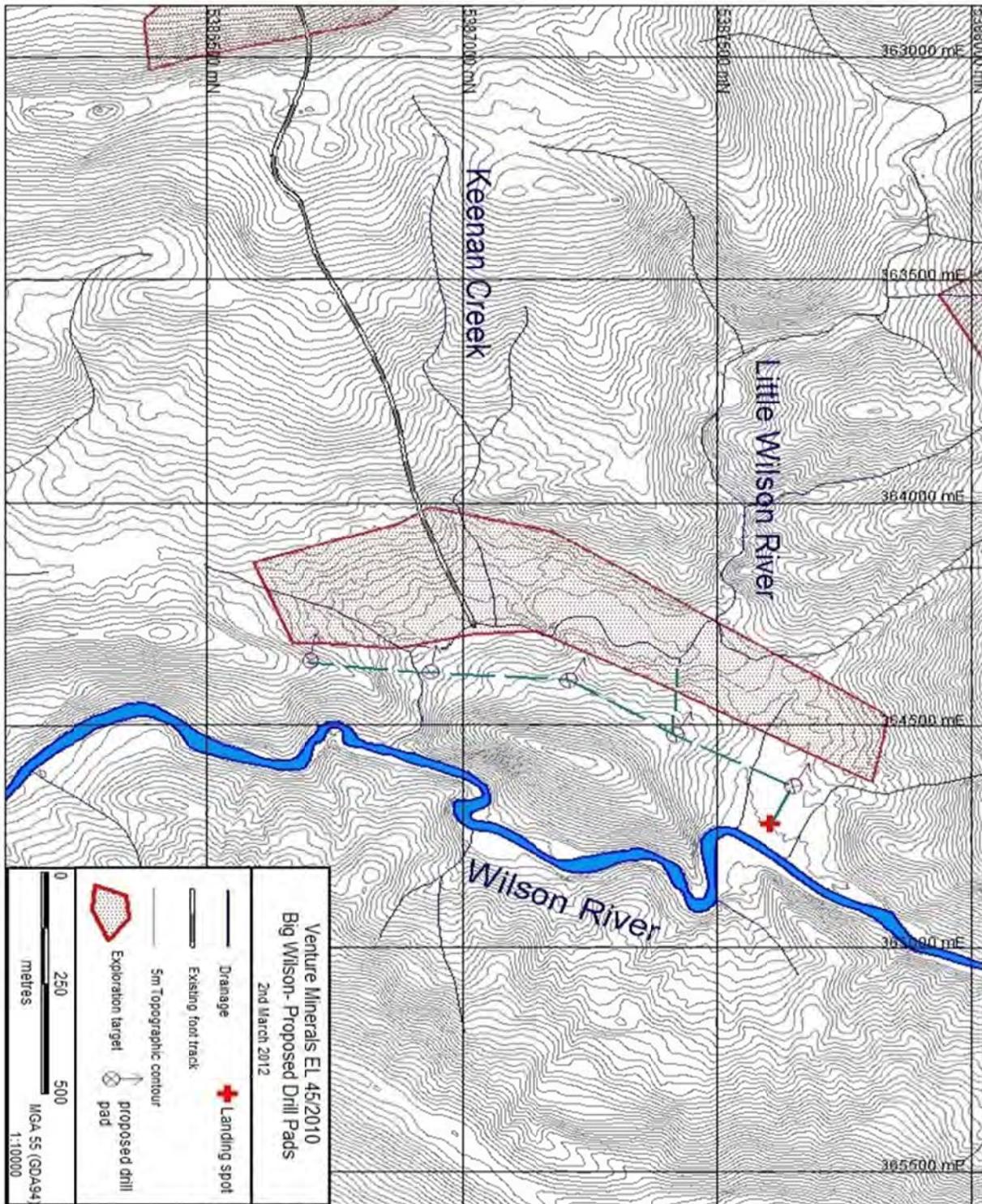
BW3: GRID REF: 364395E – 5387220N

BW4: GRID REF: 364380E – 5386945N

BW5: GRID REF: 364360E – 5386705N

(All Grid References MGA Zone 55 GDA94)

1.4 Site Description: The exploration target area is located about 4km to the north-east of Parsons Hood, to the immediate west of the Wilson River and in the vicinity of the Little Wilson River. The underlying geology of the proposed drill site locations is limestone.



2.0 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 species of fauna known or with potential to occur in the vicinity. REF POINT for the locality: 364395E – 5387220N. (BW3)

2.1 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 point.

| VEGETATION COMMUNITY | TasVeg Code / Map colour | EXTENT IN STUDY AREA |
|---|---|--|
| <i>Nothofagus – Atherosperma</i> Rainforest | RMT / RMU Dark Blue | Not differentiated from RMU on map but widespread in the locality |
| <i>Nothofagus – Phyllocladus</i> Short Rainforest | RMS / RMU Dark Blue | Not differentiated from RMU on TasVeg map but widespread in the locality |
| <i>Lagarostrobos franklinii</i> Rainforest & Scrub | RHP / Dark blue with diagonal lines | Along the Wilson River and an area to the north of the reference point. |
| <i>Eucalyptus obliqua</i> Wet Forest (undifferentiated) | WOU / Light blue | Mainly in the SE of the study area with smaller patches in the western half. |
| <i>Eucalyptus nitida</i> Wet Forest (undifferentiated) | WNU / Aqua with vertical lines | In the NW and SW of the study area. |
| <i>Eucalyptus nitida</i> Dry Forest & Woodland | DNI / Bright green with diagonal lines | Over the hill in the centre and in the west of the study area. |
| <i>Leptospermum</i> Scrub | SLW / Pink with horizontal yellow lines | Small patch at helicopter landing spot, bigger patch next to DNI and larger area due west in study area. |

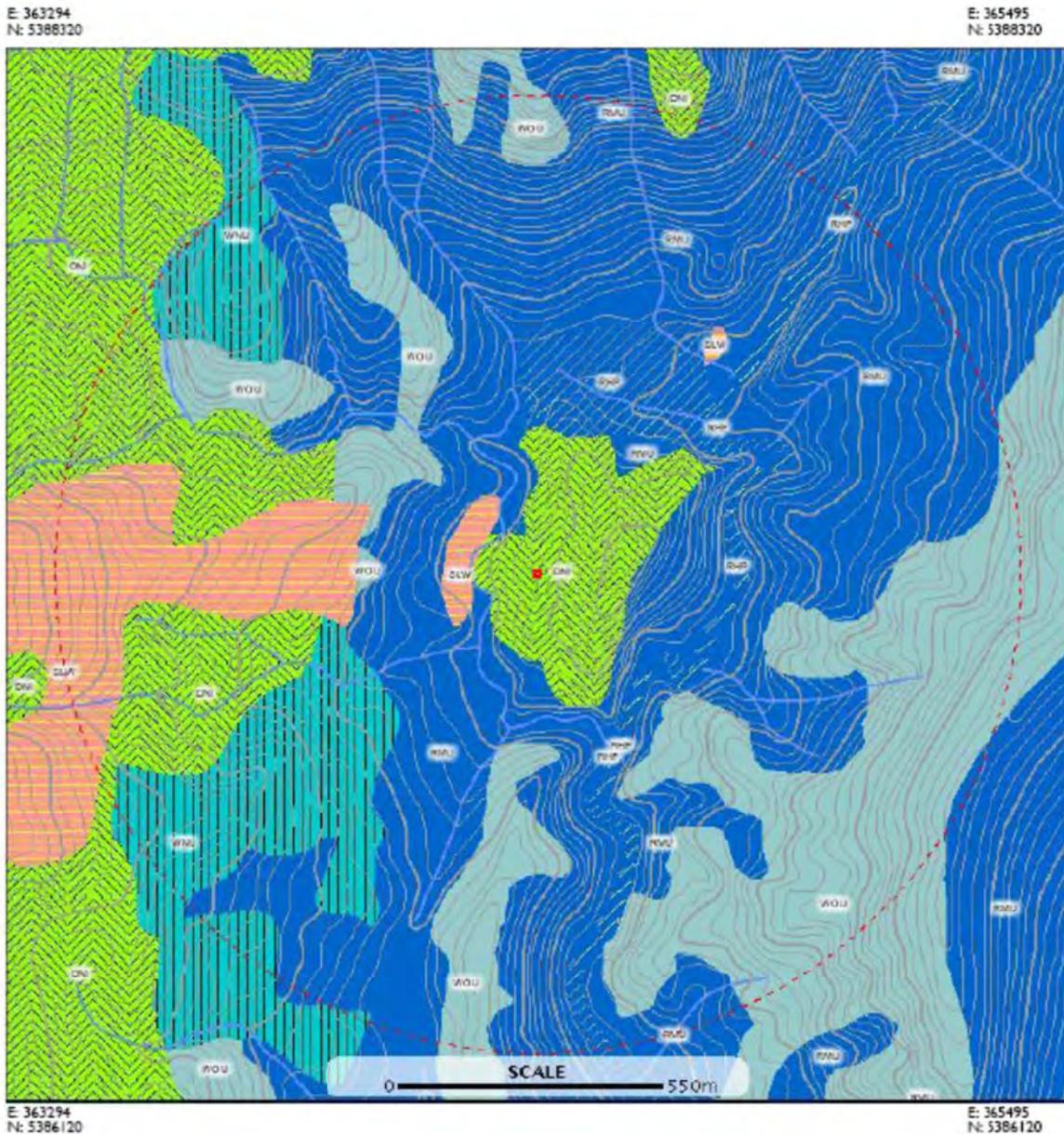


FIGURE 1: Vegetation communities as per TasVeg mapping program within 1,000 metres of study area reference point GRID REF: 364395E – 5387220N (Drill Pad BW3).

- CODE: RMS / RMU*Nothofagus / Phyllocladus* Short Rainforest**
RMT / RMU ... *Nothofagus / Atherosperma* Rainforest
RHP*Lagarostrobos franklinii* Rainforest & Scrub
SLW*Leptospermum* Scrub.
DNI *Eucalyptus nitida* Dry Forest & Woodland
WNU*Eucalyptus nitida* Wet Forest
WOU*Eucalyptus obliqua* Wet Forest

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 (RHP). Although not listed as a threatened community under the above Act, Huon Pine Rainforest it is of high conservation value because it has a limited distribution, mainly within the riparian zone of rivers in the west and south-west of the state. The community has been subject to extensive logging since the days of early white settlement and more recently large areas of the community have been inundated by hydro-electric impoundments. Remaining old-growth stands of the community are restricted to inaccessible areas of the west and south-west.
- *Nothofagus / Atherosperma* Rainforest (RMT) is generally well reserved in western Tasmania, with old-growth forest having high conservation value.
- *Nothofagus- Phyllocladus* Short Rainforest (RMS) is adequately reserved in the west of the state however in some bioregions it is inadequately reserved particularly in its old-growth condition.
- *Eucalyptus obliqua* Wet Forests (WOU). Old-growth forest of this community is of conservation significance.
- *Eucalyptus nitida* Wet Forest (WNU) is adequately reserved in western Tasmania although in its old-growth condition it is under-reserved in some bioregions.
- *Eucalyptus nitida* Dry Forest and Woodland (DNI) is generally well reserved in western Tasmania.
- *Leptospermum* Scrub (SLW) in its many forms is widespread and found across the state.

THREATENED FLORA:

No 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.

THREATENED FAUNA:

One species of threatened fauna is recorded on the database as occurring within 5,000 metres of the study area reference point.

- 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 within old-growth forest for nesting.
There is a known nest tree recorded on the database about 2,500 metres south of the study area at reference point, GRID REF: 364972E – 5384904N (0 +/-). The record is dated from the 1980's and it is not known if the nest is currently active.

The following five 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 White (Grey) Goshawk *Accipiter novae-hollandiae* is listed as being endangered in Tasmania. The bird requires mature wet forest as habitat and often nests within dense riparian canopy vegetation.

- The Masked owl *Tyto novaehollandiae* ssp *castinops*. The Tasmanian subspecies of the Masked Owl is listed as endangered under the state Act. The bird requires large tree hollows for nesting and mature open forest as habitat.
- 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 over the hydro impoundment of Lake Pieman to the south of the study area.
- The Azure Kingfisher, *Ceyx azurea* is endangered in Tasmania and is restricted to riparian habitat along western and north-western rivers. It could possibly occur along the Wilson River.
- The Australian Grayling, *Prototroctes mareana* is a fish which is listed as being vulnerable under both State and Commonwealth Acts. The Reece Dam on the Pieman hydro-electric impoundment most likely acts as a barrier for this species and it is unlikely to be present in the location.

ENVIRONMENTAL WEEDS:

No environmental weeds are recorded on the database as occurring within 5,000 metres of the study area reference point.

RESERVE ESTATE:

All of the target area located in the area of the Wilson River is included within the Meridith Range Regional Reserve.

3.0 Field Survey:

3.1 Background

Each of the proposed drill sites was accessed on foot from the helicopter landing spot detailed on the accompanying map. The actual drilling of the exploratory drill holes will be undertaken by a portable drill rig brought in by helicopter which will necessitate the clearing of understorey vegetation for a radius of about 25 metres around each drill pad site.

The field survey focused on each of the 5 proposed drill pad sites.

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 Tuesday 20th March 2012.

3.2 Limitations: This survey was conducted in early 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.

3.3 Field Survey Results:

HELICOPTER LANDING SITE:

The helicopter landing area will be utilized to provide walking access only so there should be minimal impact on the location. The localized area of impeded drainage is less than one hectare in area and is shown on the accompanying map as Teatree Scrub, however the vegetation is actually a Sedgeland dominated by *Baloskion tetraphyllum* with very few emergent shrubs. The community fits generally into the community defined under TasVeg as Restionaceae Rushland (MRR). The localized area is treeless and the sedges are generally less than one metre in height, although that height increases, as well as the woody vegetation around the margin and periphery of the open area. A single young tree of Huon Pine and a few Pandani *Richea pandanifolia* were growing around the margin of the open area.

DRILL SITE BW1: GRID REF: 364630E – 5387660N.

The first proposed drill pad site BW1 is located about 100 metres to the north-west of the helicopter landing spot, and within an area of *Nothofagus - Phyllocladus* Short Rainforest (RMS) dominated by dense tangled Horizontal, *Anodopetalum biglandulosum* and with emergent trees of mature Celery-top Pine *Phyllocladus asplenifolius*. Pandani *Richea pandanifolia* was also present, including a single plant of a branched specimen which is most likely the subspecies *R. p.* subsp. *ramulosa*. Up to six mature emergent Celery-topped Pines were observed in proximity to the proposed drill pad site and it is recommended that the drill pad be moved 15 metres or so towards the west in order to limit impact on these trees. The clearing of the drill pad should also endeavour to limit impacts on the Pandani growing in the location.

No Huon Pines *Lagarostrobos franklinii* were observed in the vicinity of this location.

DRILL SITE BW2: GRID REF: 364515E- 5387435N

Proposed drill pad site BW2 is located about 250 metres to the south-west of BW1, on the western facing slopes of the hill and ridge which separates the exploration target area from the Wilson River. The drainage across the hill slopes is excellent and the underlying geology is limestone.

The vegetation in the location comprises large old-growth trees of *Eucalyptus obliqua* with a mature rainforest understorey of predominantly Myrtle *Nothofagus cunninghamii* and Sassafras *Atherosperma moschatum*. This vegetation forms a closed canopy which limits the growth of shrubs or regrowth trees with the result of a very open lower understorey and a very open ground layer limited to occasional tree ferns and patches of ground ferns and mosses.

Due to the presence of about 8 very large Eucalypts in close proximity to the proposed pad site it is recommended that the drill pad be moved about 15 – 20 metres towards the north-east to GRID REF: 364523E – 5387441N to where 3 small Myrtles, one small Eucalypt and 2 small dead trunks will need to be felled to accommodate the drill pad..

DRILL SITE BW3: GRID REF: 364395E – 5387220N

Proposed drill pad site BW3 is located a further 250 metres to the south-west of BW2 on the same western facing hill slopes.

The vegetation is the same as that described around BW2 although there is just one large Eucalypt within 10 metres of the drill pad site. There is a further 6 large Eucalypts within 50 metres and 2 mature Myrtles within 30 metres.

The drill pad site as proposed will be suitable for use in the exploration program.

DRILL SITE BW4: GRID REF: 364380E – 5386945N

Proposed drill pad site BW4 is located about 260 metres south of BW3, just to the north of the Little Wilson River. The vegetation which extended along and close to the river tended towards a denser implicate type of rainforest, similar to *Nothofagus – Phyllocladus* Short Rainforest (RMS) although no Celery-top Pines were observed. No emergent Eucalypts were observed in the location or in proximity to the proposed drill pad site. A recent tree fall (mature Myrtle) has left a relatively open area at the drill pad site location and so will require limited clearing.

Because of the sites close proximity to Little Wilson River, the containment of silt, sediments and contaminants during the exploratory drilling program will require careful management and vigilance.

DRILL SITE BW5: GRID REF: 364360E – 5386705N

Proposed drill pad site BW5 is located about 250 metres to the south of BW4 and about 220 metres south of the crossing over the Little Wilson River. The site is located on an elevated and relatively narrow ridgeline which runs approximately north-south and which slopes steeply down to the Wilson River towards the east.

There were numerous large Eucalypts around the site including 7 within 20 metres and a further 10 within 50 metres and the associated understorey trees of mainly Myrtle were also relatively frequent and tall. There were also two Celery-top Pines at the location, one small tree and one sapling. No mature or old-growth Celery-top Pines were observed in the vicinity.

There was difficulty in placing or relocating the drill pad without impacting on large trees and it is suggested that this drill pad site location be re-assessed following the drilling of the previous 4 holes.

VEGETATION COMMUNITIES:

The vegetation communities observed during the survey included Restionaceae Rushland (MRR) in the location planned as the helicopter landing spot, *Nothofagus – Phyllocladus* Short Rainforest (RMS) with emergent Celery-top Pine in the vicinity of BW1, and a facie of the community without Celery-top Pine in the vicinity of BW4 and along the Little Wilson River. The balance of the vegetation observed during the survey was an old-growth facie of *Eucalyptus obliqua* Wet Forest over Rainforest understorey (WOR) and included the locations of BW2, BW3, and BW5. This area is mapped under TasVeg as being *Eucalyptus nitida* Dry Forest (Ref: attached TasVeg map) however none of this community was observed during the survey but could be present on the drier ridgelines in the wider area.

No *Lagarostrobos franklinii* Rainforest community was observed during the survey although it is known to be present in the riparian zone of the nearby Wilson River.

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:

- *Lagarostrobos franklinii* Rainforest and Scrub (RHP) is mapped as occurring along the Wilson River and also in the vicinity of Drill Site BW1 however the community was not present in this location. The vegetation community around Drill Site BW1 was

Atherosperma- Phyllocladus Short Rainforest which had a dense understorey of Horizontal *Anodopetalum biglandulosum*.

- The *Eucalyptus obliqua* Wet Forest with a rainforest understorey (WOR) which extends across the target area of BW2, BW3, BW4 and BW5 is of high conservation significance because of the size, maturity and old-growth condition of the Eucalypt trees within the community.

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:

- Mature and old-growth trees of Huon Pine *Lagarostrobus franklinii* are known to be present nearby along the banks of the Wilson River, however the river is outside of the area targeted for this survey and will not be affected by the proposed exploration program.. No mature, old-growth or juvenile trees of Huon Pine were observed or recorded within or adjacent to the areas surveyed. A single young tree of Huon Pine was observed growing within the area of open *Balaskion* Sedgeland which is being utilized for helicopter access.
- Five or six mature old-growth trees of Celery-top Pine *Phyllocladus asplenifolius* were observed in the vicinity of Drill Pad BW1. Moving the drill pad about 15 metres westwards will ensure that these trees are not directly impacted by the clearing of the proposed drill pad.
- Large, mature old-growth trees of *Eucalyptus obliqua* which are prevalent in the exploration target area are also considered to be of high conservation value. Proposed drill pad site BW2 will need to be moved some 15 to 20 metres towards the north-east of the original site in order to avoid up to eight large trees. The planned locations of drill pad sites BW3 and BW4 will not impact on any large mature Eucalypts. Drill site BW5 is located on a narrow ridge with numerous large trees in close proximity. The drilling of this site should be deferred until the results of the other four sites are known.

THREATENED FAUNA:

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

- Two Tasmanian Devil Scats were observed, one in the vicinity of Drill Site BW3 at GRID REF: 364411E – 5387168N (8m +/-) and at the crossing of the lower reaches of the Little Wilson River, in the vicinity of Drill Site BW4 at GRID REF: 364600E – 538800N (20m +/-).

THREATENED FAUNA HABITAT:

- The tall, mature old-growth *Eucalyptus obliqua* Forest presents significant potential habitat for fauna including a number of threatened species. Many of the mature trees in the area would contain significant hollows and potential habitat for species such as the Masked Owl. The large old-growth trees could also provide potential nest sites for Wedge-tailed Eagles although no birds were observed during the survey and the nearest

known nest tree is some 2,500 metres distance. The mature forest is also potential habitat for the White (Grey) Goshawk, and the vegetation along the creeks and streams with greater canopy density would be favoured nesting habitat for that species.

No actual den sites for Tasmanian Devils or Spotted-tailed Quolls were observed during the survey although a number basal hollows with den potential were observed. The presence of Tasmanian Devils was confirmed by the scats observed.

Suitable habitat for the Azure Kingfisher is present along the Wilson River however the proposed exploration program will not impact on the riverbank vegetation.

ENVIRONMENTAL WEEDS:

No environmental weeds were observed during the field survey.

PHYTOPHTHORA:

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

4.0 Survey Conclusions:

The area of the survey is in an almost pristine state with no impacts from previous exploration evident in the location.

Strict management of the exploratory drilling program will be necessary in order to ensure minimal environmental impacts on the significant natural values of the area.

5.0 Recommendations:

- BW1: Move the drill pad site about 15 metres towards the west in order to avoid a number of mature emergent Celery-top Pines. Avoid impacting on the Pandani growing in the location when clearing the drill pad site.
- BW2: Due to the presence of about 8 large Eucalypts in close proximity to the proposed pad site it is recommended that it be moved some 15 – 20 metres to the vicinity of GRID REF: 364523E – 5387441N.
- BW3: The drill pad site as proposed is acceptable for ensuring minimal impact on the mature trees and vegetation in the location.
- BW4: The drill pad site as proposed is acceptable for ensuring minimal impact on the adjacent vegetation. Ensure the containment of all silt, sediment and contaminants resulting from the drilling program to avoid impacting on the Little Wilson River which is located close to the site.
- BW5: It is suggested that the location of this drill pad site be reassessed following the drilling of the previous 4 sites in order to determine a more suitable site which would have less impact on the large trees.

VEGETATION COMMUNITIES and VEGETATION COMMUNITIES OF CONSERVATION SIGNIFICANCE:

- 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, and creek-side vegetation.

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:

- The mature emergent trees of Celery-top Pine in the vicinity of BW1 are considered to be of conservation significance. The relocation of BW1 and care during the clearing of the pad site and good management of the drilling operation should ensure that there is no impact on these trees.
- There are also a number of mature Pandani including a Branching Pandani in the area of BW1. Care will also be needed to minimize impact on these plants during the clearing of the drill pad and during the drilling operation.
- The mature, old-growth Eucalypts which are present in the vicinity of BW2, BW3 and BW5 are also of conservation significance because of their age and size. Relocate BW2 as previously recommended and defer site BW5 to minimize impacts on the big trees.

THREATENED FAUNA:

- No species of threatened fauna were observed during the field survey although traces of Tasmanian Devils were observed. A targeted Devil Den survey may be 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 and threatened fauna above.

ENVIRONMENTAL WEEDS:

- No weeds were observed during the survey however in order to limit the risk of the 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 machinery, work-boots and equipment.

Philip Milner

Vegetation Consultant

Appendix 1: Vegetation Communities and Species Recorded

1. *Eucalyptus obliqua* Wet Forest over Rainforest (TasVeg Code WOR)

This is the predominant community across the area surveyed and occurred on the slopes surrounding drill sites BW2, BW3 and BW5. The area is characterized by large and very large mature and old-growth trees of *Eucalyptus obliqua* and with a mature rainforest understorey of predominantly Myrtle and Sassafras. The ground layer is quite open with occasional tree ferns and patches of ground ferns.

This community is widespread in the high rainfall zones of western and south-western Tasmania but is considered to be significant in this location due to the maturity of the Eucalypts..

| EMERGENT TREES | COMMON NAME | FREQUENCY |
|------------------------------------|---------------------|---------------------|
| <i>Eucalyptus obliqua</i> | Stringybark | common |
| UNDERSTOREY TREES | | |
| <i>Acacia melanoxylon</i> | Blackwood | uncommon |
| <i>Atherosperma moschatum</i> | Sassafras | common |
| <i>Eucryphia lucida</i> | Leatherwood | common |
| <i>Nothofagus cunninghamii</i> | Myrtle | common |
| <i>Phyllocladus asplenifolius</i> | Celery-top Pine | BW1 & near BW5 only |
| <i>Pittosporum bicolor</i> | Cheesewood | near BW5 only |
| TALL SHRUBS | | |
| <i>Cenarrhenes nitida</i> | Native Plum | uncommon |
| MEDIUM SHRUBS | | |
| <i>Leptecophylla juniperina</i> | Pinkberry | near BW5 only |
| GRASSES & GRAMINOIDS | | |
| <i>Dianella tasmanica</i> | Tasman Flax-lily | occasional |
| <i>Drymophila cyanocarpa</i> | Turquoiseberry | occasional |
| FERNS & ALLIED PLANTS | | |
| <i>Blechnum wattsii</i> | Hard Waterfern | common |
| <i>Crepidomanes venosum</i> | Bristle Filmyfern | occasional |
| <i>Dicksonia antarctica</i> | Soft Treefern | common |
| <i>Grammitis billardierei</i> | Common Fingerfern | occasional |
| <i>Histiopteris incisa</i> | Bat's wing Fern | common |
| <i>Hymenophyllum cupressiforme</i> | Common Filmyfern | occasional |
| <i>Hypolepis rugulosus</i> | Ruddy Groundfern | occasional |
| <i>Microsorium pustulatum</i> | Kangaroo Fern | common |
| <i>Rumohra adiantiformis</i> | Leathery Shieldfern | occasional |
| <i>Tmesipteris obliqua</i> | Common Forkfern | uncommon |

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

This community was present in the vicinity of the first drill pad site BW1 and is located adjacent to the Restionacea Rushland community in the low lying area of impeded drainage near the Wilson River.

It is characterized by a dense tangled mass of Horizontal in the understorey and with mature emergent trees of Celery-top Pine. Pandani is also present.

It is a widespread community in western Tasmania although the presence of mature Celery-top Pine is significant.

A facie of the community without Celery-top Pine or Pandani also occurred at drill pad site BW4 and along the adjacent Little Wilson River.

EMERGENT TREES

| | | |
|-----------------------------------|-----------------|------------|
| <i>Phyllocladus asplenifolius</i> | Celery-top Pine | occasional |
|-----------------------------------|-----------------|------------|

CANOPY TREES

| | | |
|-----------------------------------|-------------|-------------|
| <i>Anodopetalum biglandulosum</i> | Horizontal | very common |
| <i>Eucryphia lucida</i> | Leatherwood | occasional |
| <i>Nothofagus cunninghamii</i> | Myrtle | common |

UNDERSTOREY TREES & TALL SHRUBS

| | | |
|--|-------------------|------------|
| <i>Anopterus glandulosa</i> | Laurel | common |
| <i>Cenarrhenes nitida</i> | Native Plum | occasional |
| <i>Richea pandanifoli</i> | Pandani | occasional |
| <i>Richea pandanifolia</i> subsp <i>ramulosa</i> | Branching Pandani | uncommon |

OTHER SHRUBS

| | | |
|------------------------|--------------|------------|
| <i>Trochocarpa</i> sp. | Purple berry | occasional |
|------------------------|--------------|------------|

GRASSES & GRAMINOIDS

| | | |
|-------------------------------|-----------------|------------|
| <i>Baloskion tetraphyllum</i> | Tassel Cordrush | occasional |
| <i>Gahnia grandis</i> | Cutting Grass | uncommon |

FERNS & ALLIED PLANTS

| | | |
|-------------------------|----------------|--------|
| <i>Blechnum wattsii</i> | Hard Waterfern | common |
|-------------------------|----------------|--------|

3. Restionaceae Rushland (TasVeg Code MRR)

A localized area mapped as *Leptospermum* Scrub on TasVeg. A low lying area with impeded drainage is located not far from the Wilson River and at about the same level. The patch is less than one hectare in area and is treeless although the vegetation becomes more shrubby and woody around the periphery.

Restionaceae Rushland presents in various forms in Tasmania however the facie dominated by *Baloskion tetraphyllum* is not as common as rushland dominated by other Restionaceae species.

DOMINANT SPECIES

| | | |
|--|-----------------|----------|
| <i>Baloskion tetraphyllum</i> subsp. <i>tetraphyllum</i> | Tassel Cordrush | abundant |
|--|-----------------|----------|

EMERGENT & PERIPHERAL SHRUBS

| | | |
|---------------------------------|-------------------|----------------|
| <i>Bauera rubioides</i> | Wiry Bauera | common |
| <i>Lagarostrobos franklinii</i> | Huon Pine | single sapling |
| <i>Leptospermum lanigerum</i> | Woolly Teatree | occasional |
| <i>Leptospermum nitidum</i> | Shiny Teatree | common |
| <i>Melaleuca squamea</i> | Swamp Honeymyrtle | common |
| <i>Richea pandanifolia</i> | Pandani | occasional |

GRASSES & GRAMINOIDS

| | | |
|-------------------------------|-----------------|----------|
| <i>Calorophus elongates</i> | Long Roperush | common |
| <i>Baloskion tetraphyllum</i> | Tassel Cordrush | abundant |

FERNS & ALLED PLANTS

| | | |
|-------------------------------|----------------------|--------|
| <i>Gleichenia microphylla</i> | Scrambling Coralfern | common |
|-------------------------------|----------------------|--------|

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PHOTO No.1: Helicopter Landing Spot, Restionaceae Rushland (MRR).



PHOTO No.2: *Nothofagus* - *Phyllocladus* Short Rainforest (RMS) near BW1.



PHOTO No.3: *Eucalyptus obliqua* Wet Forest with Rainforest Understorey (WOR) BW2 & BW3



PHOTO No.4. *Eucalyptus obliqua* Wet Forest with Rainforest Understorey. (WOR) BW2 & BW3.



PHOTO No.5: *Eucalyptus obliqua* Wet Forest with Rainforest u/storey (WOR) Old-growth canopy



PHOTO No.6 : *Nothofagus* – *Phyllocladus* Short Rainforest (RMS) BW4.



PHOTO No.7: *Eucalyptus obliqua* Wet Forest with Rainforest Understorey (WOR) BW5



PHOTO No.8: Old-growth *Eucalyptus obliqua* near BW2.